

कार्य योजना  
**ACTION PLAN**  
**2023**

गैर सरकारी संस्थानों  
एवं  
शिक्षण संस्थानों के कृषि विज्ञान केंद्र  
**KVKs OF NGO**  
and  
**EDUCATIONAL**



भाकृअनुप-कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान (अटारी), कानपुर  
**ICAR-Agricultural Technology Application Research Institute (ATARI)**  
**Kanpur - 208002**



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**Published**

2022

**Citation**

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***Action Plan (2023)***

ICAR-Agricultural Technology Application Research Institute (ATARI)  
Kanpur

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## **Published by**

Director, ICAR-ATARI, Kanpur

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# INTRODUCTION

The Indian Council of Agricultural Research (ICAR) is an autonomous organisation under the Department of Agricultural Research & Education (DARE), Ministry of Agriculture and Farmers Welfare, Government of India. Agricultural Extension Division is one of the Subject Matter Division where the major activities are of Assessment and Demonstration of Technology/Products through a network of 731 Krishi Vigyan Kendras (KVKs).

ICAR-Agricultural Technology Application Research Institute (ATARI), Kanpur is one of the 11 ICAR-ATARIs formerly known as Zonal Project Directorates (ZPDs) and the erstwhile Zonal Coordination Unit (ZCU) functioning under Division of Agricultural Extension established in the year 1979. ICAR has established a vast network of KVKs all over the country under the administrative control of various ICAR institutes, State Agricultural Universities (SAUs), State Department of Agriculture, Non-Governmental Organisations (NGOs) and other institutes for implementing the central governmental projects/schemes. In the Zone, 3 Agricultural Technology Information Centres (ATICs) are working for delivering the “Single Window” delivery system. Since, Zonal Project Directorate has been elevated as ICAR-Agricultural Technology Application Research Institute (ATARI).

## **The major functions of the ICAR-ATARI, Kanpur are:**

Planning, monitoring and reviewing of KVK activities in the zone; to identify, prioritize and implement various activities related to technology integration and dissemination

Coordinating with SAUs, ICAR institutes/organizations, line departments and voluntary organizations in the zone for implementation of KVK mandated activities and

Facilitating financial and infrastructural support to KVKs for effective functioning.

## **KVK and its mandate**

In Zone-III, 89 KVKs have been established by the ICAR in Uttar Pradesh across 75 districts.

The mandate of KVK is – Technology Assessment and Demonstration for its Application and Capacity Development (TADA-CD).

Besides, KVKs also act to

- Provide farm advisories using ICT and other media means on varied subjects of interest to farmers.
- Produce quality technological products (seed, planting material, bio-agents, livestock) and make it available to farmers, organize frontline extension activities, identify and document selected farm innovations and converge with ongoing schemes and programmes within the mandate of KVK.

## AGRO-CLIMATIC ZONES

Uttar Pradesh is divided into 9 agro climatic zones (Bhabhar and Tarai, Western Plain, Mid Western Plain, South Western Semi Arid, Central Plain, Bundelkhand, North Eastern Plain, Eastern Plain and Vindhyan Zone), depicted as in the following figure -



### Distribution of 88 KVKs in U.P.

<span style="color: green;">◆</span>	SAU KVKs	67
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">○</span>	ICAR KVKs	07
<span style="color: orange;">●</span>	NGO KVKs	12
<span style="color: blue;">■</span>	Educational KVKs	03
	<b>Total</b>	<b>89</b>

**Note:** Districts with two KVKs : Azamgarh, Gonda, Bahraich, Sultanpur, Jaunpur, Ghazipur, Budaun, Moradabad, Muzaffarnagar, Lakhimpur Kheri, Hardoi, Sitapur, Gorakhpur, Prayagraj



## KVKS AT A GLANCE

### KVKS in Uttar Pradesh at a Glance

No. of Districts in U.P.	No. of KVKS under				Total KVKS
	SAU	ICAR	NGO	Other (Educational)	
75	67	7	12	3	89

### Host wise list of KVKS with their establishment year

S.N.	Name of the KVK	Year of establishment	S.No.	Name of the KVK	Year of establishment
<b>NDUA&amp;T, Faizabad (25)</b>					
1	Bahraich	1983	14	Chandauli	2005
2	Ballia	1989	15	Jaunpur-I	2005
3	Basti	1984	16	SantKabir Nagar	2009
4	Mau	1989	17	Ambedkar Nagar	2010
5	Varanasi	1989	18	Amethi	2018
6	Siddharthnagar	1992	19	Bahraich-II	2018
7	Faizabad	2004	20	Gonda-II	2018
8	Gorakhpur	2004	21	Sultanpur-II	2018
9	Maharajganj	2004	22	Jaunpur-II	2018
10	Sonbhadra	2004	23	Ghazipur-II	2018
11	Azamgarh-I	2004	24	Shravasti	2020
12	Barabanki	2004	25	Azamgarh-II	2021
13	Bairampur	2005			
<b>CSAUA&amp;T, Kanpur (15)</b>					
26	Raebareli	1984	33	Firozabad	2004
27	Fatehpur	1989	34	Lakhimpur Kheri	2005
28	Aligarh	1992	35	Farukhabad	2005
29	Kannauj	2004	36	Hardoi-I	2005
30	Etawah	2004	37	Mahamaya Nagar	2009
31	Mainpuri	2004	38	Kasganj	2018
32	Kanpur Dehat	2004	39	Auraiya	2007
			40	Raebareli-II	2021
<b>BUAT, Banda (7)</b>					
41	Jhansi	1984	45	Lalitpur	2005
42	Mahoba	2004	46	Banda	2007
43	Hamirpur	2005	47	Prayagraj-II	2021
44	Jalaun	2005			
<b>SVPUA&amp;T, Meerut (20)</b>					
48	Bijnor	1992	58	Moradabad-I	2005
49	Rampur	1992	59	Gautam Budha Nagar	2005
50	Badaun-I	1992	60	Bulandshahar	2004
51	Saharanpur	1992	61	Badaun-II	2018
52	Ghaziabad	1992	62	Sambhal	2018
53	Sahajahanpur	1994	63	Shamli	2018
54	Meerut	1994	64	Amroha	2018
55	Muzaffarnagar-I	1994	65	Hapur	2018
56	Pilibhit	1998	66	Muzaffarnagar-II	2019
57	Baghpat	2004	67	Moradabad-II	2020
<b>ICAR KVKS (7)</b>					
<b>Indian Veterinary Research Institute, Bareilly</b>					
68	Bareilly	1985			
<b>Indian Institute of Sugarcane Research, Lucknow</b>					
69	Lucknow	1994	70	Lakhimpur Kheri-II	2019
<b>Indian Institute of Vegetables Research, Varanasi</b>					
71	Kushinagar	2005	73	St. Ravidas Nagar	2008
72	Deoria	2009			
<b>ICAR-Central Soil Salinity Research Institute, Karnal</b>					
74	Hardoi-II	2018			
<b>NGO KVKS (12)</b>					
<b>Kamla Nehru Memorial Trust, Sultanpur</b>					
75	Sultanpur	1976			
<b>RBS College, Agra</b>					
76	Etah	1992	77	Agra	2002
<b>Deendayal Research Institute, Gonda</b>					
78	Gonda-I	1989	79	Chitrakoot	1992
<b>Raja Avadesh Singh Memorial Society, Pratnagarh</b>					
80	Pratapgarh	1999			
<b>Kunwar Ram Bux Singh Educational Society, Lucknow</b>					
81	Unnao	1999			
<b>Post Graduate College, Gazipur</b>					
82	Gazipur	2002			
<b>Manav Vikas Evam Seva Sansthan, Lucknow</b>					
83	Sitapur-I	2005			
<b>Dr.Bhimrao Ambedkar Welfare Society, Allahabad</b>					
84	Kaushambi	2006			
<b>RanvirRananjay Degree College Association, Sultanpur</b>					
85	Sitapur-II	2011			
<b>Guru Gorakshnath Sewa Sansthan</b>					
86	Gorakhpur-II	2016			
<b>Educational KVKS (3)</b>					
<b>U.P. Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwa Vidyalaya Evam Go Anusandhan Sansthan, Mathura</b>					
87	Mathura	1984			
<b>SHUATS, Allahabad</b>					
88	Allahabad	1992			
<b>BHU, Varanasi</b>					
89	Mirzapur	1984			

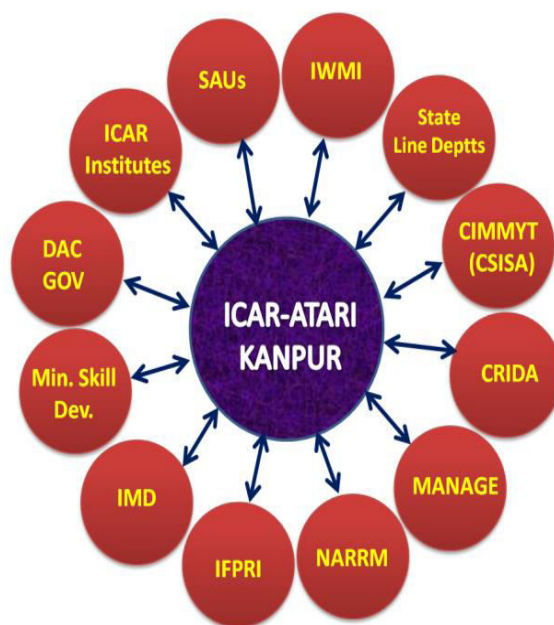
## Projects and Special programmes

This institute is handling 13 different projects and special programmes. These project/special programmes are being funded by ICAR, Government of India funded and Institute funded projects. A brief details and its KVKs/Institutes are given below -

S.No.	Programme Name & no. of KVKs implementing	Number of KVKs/Institutes
1.	NICRA (National Innovation on Climate Resilient Agriculture)	13 KVKs
2.	ARYA (Attracting & Retaining of Youth in Agriculture)	10 KVKs
3.	TSP (Tribal Sub Plan)/ KSHAMTA (Knowledge Systems and Home Based Agricultural Management in Tribal Areas)	8 KVKs
5.	CRM (Crop Residue Management)	23 KVKs
6.	ASCI (Agriculture Skill Council of India)	36 KVKs and 6 ICAR Instt.
7.	Pulses Seed Hub	8 KVKs
8.	Aspirational District Scheme	8 KVKs
9.	NARI programme (Nutrition-sensitive Agricultural Resources and Innovation)	All 89 KVKs
10.	SCSP (Schedule Caste Sub Plan)	10 KVKs
11.	SBA (Swachha Bharat Abhiyaan)	All 89 KVKs
12.	Farmers FIRST (Farm, Innovations, Resources, Science & Technology)	7 ICAR Institutes
13.	MGMG (Mera Gaon Mera Gaurav)	13 ICAR Institutes

### Functional Linkage with State, National & International Organizations

1. SAUs (SVPUAT, CSAUAT, NDUAT & BUAT) linked for technological backstopping to KVKs of Uttar Pradesh
2. Linkage with MANAGE Hyderabad for Agri-business & Agri Clinic Scheme & also knowledge up gradation of KVK staff in ICT.
3. Interface on KVK-ATMA linkage held at State level with Principal Secretary Agriculture & Director Agriculture for effective linkage.
4. IIVR, Varanasi for providing suitable technologies for vegetable production.
5. Linkage with CRIDA, Hyderabad for promoting climate resilient technologies in 13 districts of U.P.
6. Fodder development programme initiated in collaboration with IGFRI, Jhansi.
7. Linkage with National Rain fed Area Authority for development of Bundelkhand region.
8. Senior level interactions and meetings organized with line department officials for better convergence & linkage.



## Summary Report of Action Plan 2023 under NGOs & Educational KVKs

S.N.	Name of KVK	OFT		FLD		Training		Extension Activities	
		No of OFTs	No of farmers	Area (ha)	No of Farmers	No of Courses	No of Participants	No of Activities	No of Participants
1.	Agra	12	282	51.50	589	100	2000	500	5000
2.	Chitrakoot	14	118	97	288	106	2143	592	24093
3.	Etah	12	299	38.12	283	118	2714	106	6198
4.	Ghazipur-I	10	45	36.65	160	124	2365	1709	12320
5.	Gonda-I	12	75	200	350	100	2000	400	20000
6.	Gorakhpur-II	09	45	33	230	58	1060	1030	7565
7.	Kaushambi	11	54	75.00	212	100	2000	301	8554
8.	Sitapur-II	10	50	70.92	386	135	2712	1032	10365
9.	Sitapur-I	10	68	215	565	176	4125	655	11065
10.	Sultanpur-I	11	44	33.06	157	118	2075	280	9878
11.	Unnao	14	130	300	1100	146	3510	180	15000
12.	Pratapgarh	12	76	27.5	100	100	1826	383	2885
13.	Mirzapur	11	46	100	400	101	200	392	3576
14.	Mathura	9	45	50	200	100	200	250	10000
15.	Allahabad-I	10	41	114	375	104	2080	270	6130
	<b>Total</b>	<b>167</b>	<b>1418</b>	<b>1441.75</b>	<b>5395</b>	<b>1686</b>	<b>31010</b>	<b>8080</b>	<b>152629</b>

S.N.	Name of KVK	Seed Production in (Qtl.)	Planting Materials in (No.)	Live Stock (No.)		Fish seed prod. (Nos)	Soil Samples (No.)	Development of soil health cards(No.)	No. of Sampling Distribution
				No of unit	No of Farmers				
1.	Agra	200	20000	0	0	0	0	0	0
2.	Chitrakoot	278	614700	12	0	2800000	250	100	545000
3.	Etah	710.10	23650	24	0	0	300	3000	30000
4.	Ghazipur-I	247	21100	0	2575	0	600	3000	21100
5.	Gonda-I	200	20000	0	0	0	3000	0	0
6.	Gorakhpur-II	313	20000	0	0	0	152	1500	0
7.	Kaushambi	200	20000	0	0	0	0	0	20000
8.	Sitapur-II	126.025	39800	25	200	0	1500	0	0
9.	Sitapur-I	224.50	122500	0	0	0	0	0	0
10.	Sultanpur-I	200	20000	0	0	0	300	0	0
11.	Unnao	200	20000	0	200	0	600	3500	46000
12.	Pratapgarh	200	20000	0	0	0	0	0	0
13.	Mirzapur	200	20000	0	0	0	2000	0	0
14.	Mathura	200	20000	0	0	0	1000	3000	20000
15.	Allahabad-I	204	20000	0	0	0	720	3000	0
	<b>Total</b>	<b>3702.625</b>	<b>1021750</b>	<b>61</b>	<b>2975</b>	<b>2800000</b>	<b>10422</b>	<b>17100</b>	<b>682100</b>

## Action Plan-2023 of KVK Agra

### 1. GENERAL INFORMATION ABOUT THE KVK

#### 1.1. Name and address of KVK with phone, fax and e-mail:

Address	Telephone		E mail
	Office	Fax	
KVK, Bichpuri, R.B.S. College, Agra	0562-2636440	-	kvkagra2002@gmail.com

#### 1.2. Name and address of host organization with phone, fax and e-mail:

Address	Telephone		E mail
	Office	Fax	
R.B.S. College, Agra	0562-2520075	0562-2520075	rbscagra_2007@rediffmail.com

#### 1.3. Name of the Sr. Scientist cum Head with phone & mobile No:

Name	Telephone / Contact		
	Office	Mobile	E mail
Dr. Rajendra Singh Chauhan	9412373128	8433032225	kvkagra2002@gmail.com chauhanraj5985@gmail.com

#### 1.4. Year of sanction: 2002

#### 1.5. Staff Position (as on 1<sup>st</sup> April, 2023)

S. No	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale as per 7 <sup>th</sup> CPC (Rs.)	Date of joining	Permanent/Temporary	Category (SC/ST/OBC/Other)	Age	Email Id with Mobile Number
1.	Sr. Scientist cum Head	Dr. Rajendra Singh Chauhan	Sr. Scientist cum Head	Plant Pathology	139400.00	01.02.20	Permanent	Other	54	chauhanraj5985@gmail.com 9412373128
2.	Subject Matter Specialist	Dr. Sandeep Singh	SMS	Soil Science	96900.00	21.07.03	Permanent	OBC	44	chaudhrys1973@gmail.com 9675431005
3.	Subject Matter Specialist	Sh Dharvendra Singh	SMS	AH & D	59500.00	01.02.20	Permanent	Other	29	dharvendrasingh151@gmail.com 9719959212
4.	Subject Matter Specialist	Km. Deepti Singh	SMS	Home Science	57800.00	22.02.21	Permanent	Other	26	deeptisingh.kanpur@gmail.com 9005190410
5.	Subject Matter Specialist	Sh Shivam Pratap	SMS	Ag. Extension	57800.00	22.02.21	Permanent	Other	24	shivamthakur01731@gmail.com 8445379279
6.	Subject Matter Specialist	Sh Anupam Dubey	SMS	Horticulture	57800.00	22.02.21	Permanent	Other	24	dubeyanupam45@gmail.com 7037671669
7.	Subject Matter Specialist	Vacant	SMS	Agronomy	0.00	-	-	-	-	08.06.2021
8.	Programme Assistant	Sri Ajit Kumar Singh	Computer	-	71800.00	24.06.04	Permanent	Other	42	ajitkumarsingh276@gmail.com 9411205795
9.	Farm Manager	Dr. Kaptan Singh Narwar	Farm Man.	-	67000.00	05.05.05	Permanent	OBC	52	9411961817
10.	Programme Assistant	Sh Pawan Kumar	Lab Tech.	-	36500.00	22.02.21	Permanent	SC	30	pawanmodipuram@gmail.com 9012469676
11.	Assistant	Shri. Dugendra Pratap Singh	Assistant	-	42300.00	25.06.16	Permanent	Other	29	dj.thakur1988@gmail.com 8938964961
12.	Steno	Sri. Sandeep Agrawal	Steno	-	53600.00	01.12.02	Permanent	Other	40	sandeepkvk2003@gmail.com 9411205019
13.	Jeep Driver	Sh Ravi Solanki	Driver Tractor	-	23100.00	01.02.20	Permanent	OBC	-	9808047084

14.	Tractor Driver cum Mechanic	Sh Jaipal Singh	Driver Jeep		23100.00	01.02.20	Permanen t	OBC		9149288066
15.	Supporting Staff	Sri. Chetram	S. staff	-	44100.00	14.06.94	Permanen t	Other	40	8954174517
16.	Supporting Staff	Sri Sanju Kumar	S. staff	-	39200.00	13.02.96	Permanen t	Other	40	9639534542

### 1.6 Total land with KVK (in 20 ha):

S. No.	Item	Area (ha)
1.	Under Buildings	0.140
2.	Under Demonstration Unit	0.600
3.	Under Crops	9.120
4.	Orchard/Agro-forestry	6.490
5.	Others	3.650

### (a.) 1.7. Infrastructural Development:

S. No.	Name of building	Source of Funding	Stage					
			Complete			Incomplete		
			Complete Date	Plinth area (m <sup>2</sup> )	Expenditure (Rs.)	Starting Date	Plinth area (m <sup>2</sup> )	Status of construction
1.	Admin. Building	ICAR	July 2005	600	26,12,107.00	-	-	-
2.	Staff Quarters (6)	ICAR	Sept. 2007	400	23,92,906.00	-	-	-
3.	Demo Units :Seed Processing	ICAR	Sept. 2007	One	7,32,482.00	-	-	-
4.	Fencing	ICAR	Sept. 2007		8,31,847.00	-	-	-
5.	Threshing floor	ICAR	Dec. 2006	-	-	-	-	-
6.	Farm Godown	ICAR	-	150			-	-
7.	Seed Processing building	RBS College Agra.	Sept. 2007	244	8,64,998.00	-	-	-
8.	Open Stage 15X26 feet for Gosthis	ICAR	Sept. 2019	390sqf	20,000.00			

### b.) Laboratory/Units:

#### i) Information Technology Unit [ITU]

This unit is established in 2017 funded by ICAR, New Delhi [Rs. 8.00 lac ] well-furnished and equipped with One Sony Digital Camera, 02 Air Conditioners, 55' Sony LED TV, DVD player, 650 VA Inverter, 02 LED board etc.

#### ii) Information Computer Laboratory [ICT]

This unit is established in 2017 funded by ICAR, New Delhi [Rs.3.00 lac] well-furnished and equipped with 03 Desktop and one Laptop, 01 HP printer and 01 Air Conditioners.

#### iii) E-Connectivity facility

VK is well connected with 4 Mbps speed internet facility SASA Broadband Technologies Pvt. Ltd., Agra through 18 feet high tower.

#### iv) Processing Demonstration Unit [SDU]

KVK has well equipped seed processing demonstration unit established in 2007 inaugurated by Dr. P. Das, DDG, ICAR, New Delhi and Dr. A. K. Singh, ZPD, Zone IV, Kanpur funded by ICAR [Rs. 7,32, 482.00]. However, the building fund was provided by host institution.

The unit capacity is 1 tons per hour equipped with 04 processing machines *ie.* Air Screen Cleaner, Intended Cylindrical Separator, Gravity Separator and Slurry Treated. During this QRT

period this unit processed 1089 Quintals of Wheat and 43 Quintals of Mustard seed which were sold to farmers at nominal price of Agra and nearby districts of Rajasthan and Madhya Pradesh.

**v) Integrated Farming System Model [Pound-Poultry Based]:**

KVK has well developed Pound-Poultry based IFS model started from October 2020.

• Layer Birds [CARI Nirbhik]	89
• Fingerlings 03 Varieties [Rohu, Katla, Nain]	2500
• Layer Birds [CARI Nirbhik]	Eggs Sold Out 2664
<b>Total</b>	<b>5253</b>

**vi) Soil Testing Laboratory:**

Soil Testing Lab was established at KVK during the financial year 2012-13 inaugurated by Dr. A. K. Singh, DDG Ag. Extension, ICAR, PUSA, New Delhi. The lab is equipped with following equipments and 02 Soil testing kit.

S. No.	Lab Equipment	Source of Fund	Year of Purchase	Quantity	Cost of Instruments
1.	Rotary Shaker	ICAR	2011-12	01	28778.00
2.	Hot Plate	ICAR	2011-12	02	6998.00
3.	Digital Balance	ICAR	2011-12	01	6760.00
4.	Augur 75mm	ICAR	2011-12	02	3740.00
5.	Augur 100 mm	ICAR	2011-12	02	5740.00
6.	Automatic Digestion System	ICAR	2011-12	One Unit	258300.00
7.	KeepusMire Digestion System				
8.	Acid Neutralizer Scuber for digestion system Model				
9.	Shimazadu Analytical Balance	ICAR	2011-12	01	50660.00
10.	Remi Model R8C	ICAR	2011-12	01	12535.00
11.	Remi R88 Optical	ICAR	2011-12	01	4712.00
12.	Navyug Model no NU101	ICAR	2011-12	01	18084.00
13.	Navyug Model no NU127	ICAR	2011-12	01	1575.00
14.	Systronic type 306	ICAR	2011-12	01	14568.75
15.	Systronic type 117	ICAR	2011-12	01	113575.00
16.	Systronic type 361	ICAR	2011-12	01	13650.00
17.	Systronic type 128	ICAR	2011-12	01	39375.00
18.	Glassware's	ICAR	2011-12	-	-
19.	Soil Testing Kit	ICAR	2017-18	02	160000.00

**Vermi-compost Unit:**

KVK has well developed 15 pits of 10X3 size for Vermi-compost preparation. KVK also sold Vermi-compost @ Rs. 10 per kg and Earthworm @ Rs. 200 per kg.

**B) Vehicles**

Types	Year of purchase	Cost (Rs.)	Total Run (Km)	Present Status
Bolero jeep	2016	8,98,000.00	127000	New Good
Tractor	2006	4,99,966.61	4544 hours	2006 model bad condition
Motor cycle	2012	60000.00	8022	Good

### C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
LCD	2007	90,000.00	Good
Photo State Machine	2007	54075.00	Replacement / Need Heavy repairing
Video camera	2012	25,000.00	Good
Camera	2012	10,000.00	Good
PA System	2012	50,000.00	Good
Soil Testing Kit	2017	170000.00	Good
Multure	2018	156000.00	Transferred to KVK Varanasi as per ICAR-ATARI, Kanpur
Happy Seeder	2018	151000.00	
Paddy Straw Chopper	2018	52520.00	
Zero seed cum Fer. Drill [3]	2018	99000.00	
Rev. MB Plough	2018	117600.00	
Rotavetor [2]	2019	193000.00	

#### 1.8. Details SAC meeting\* conducted in the year:

S. No.	Year	Date
1	2023	As per year planner of ATARI, Kanpur

#### 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No.	Farming system/enterprise
1.	Agriculture+ Animal Husbandry
2.	Agriculture+ Horticulture+ Animal Husbandry

#### 2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No.	Agro-climatic Zone	Characteristics
1.	Semi-arid Zone- IV of U.P.	<p>Agra district is situated in South-West semi-arid zone of UP. It is located at altitude of 27.2<sup>0</sup> North and longitude of 77.9<sup>0</sup> easts. River Chambal makes the southern boundary of district and flows from West to East separating district Bhind (M.P) In the North Agra is bounded by districts of Firozabad and Etawah.</p> <p>The average rainfall (annual) of the district is 750 mm. Temperature varies from 4<sup>0</sup>C (During December-January) to 48<sup>0</sup>C (During May-June) respectively. The district is comprised of six thesils, 15 blocks and 904 villages. The total reported population is 3.62 million with density of 899/ km<sup>2</sup> and literacy of 62.60%. The total reported area of the district is 398460 ha, out of which net sown area is 285496 ha and irrigated area is 235063 ha with cropping intensity of 139.51%.</p> <p>The soils of the district are loam sandy loam ravines and wasteland. The fertility status of the soil is poor to very poor.</p> <p>The major crops of the district are Bajra (115736 ha with the productivity of 16.68q/ha), Rice (5215 ha, with the productivity of 21.59 q/ha), Sorghum (4289 ha with the productivity of 7.55q/ha), Arhar (827 ha with the productivity of 6.95q/ha), Urd (179 ha with the productivity of 6.37 q/ha), Til (1885ha with the productivity of 1.98 q/ha), in kahrif. In Rabi major crops are grown wheat (140427 ha with the productivity of 37.03 q/ha), Mustard (52639 ha with the productivity of 17.41q/ha), Potato (56303 ha with the productivity of 263.77 q/ha), Barley (7058 ha with the productivity of 32.98q/ha), Gram (1281 ha with the productivity of 18.57q/ha) and other vegetables. The total consumption of NPK (90.53, 37.34 and 5.09 kg/ha) was 132.95 kg/ha.</p> <p>As per livestock census 2003 Agra district have 160929 cattle, 710522 buffaloes, 72296 sheep, 250990 goats, 41855 pig and 61317 poultry. The district also has 641ponds covering 359 ha of land.</p>

### 2.3 Soil type/s

S. No	Soil type	Area in (ha)
1.	Sandy Soil	49741
2.	Sandy Soil	169532
3.	Erosion Soil	17940
4.	Micronutrient Deficiency	7800
5.	Others	60924

### b. Topography

S. No	Agro ecological situation	Characteristics
1.	AES.I	<b>AES I</b> is having sandy loam soil of average Ph 8 with problem of irrigation water (saline and oily water). Blocks comprising this AES are Akola, Achnera, Fatehpur Sikari and Kheragarh. The soils of this AES are alkaline in reaction and low in organic carbon contain.
2.	AESII	<b>AES II</b> is having sandy loam soil of average ph 8 with medium quality to saline and oily irrigation water, canal tube wells irrigated. This AES comprised of Etmadpur, Khandauli, Barauli Ahir, Shamshabad, Bichpuri, Saiyan & Fatehabad Blocks. The soil of this AES is deficient in major and micronutrients, alkaline in reaction and low organic carbon contain.
3.	AES III.	<b>AES III</b> is having sandy-to-sandy loam with soil erosion affected, average pH 8 with medium quality of irrigation water, canal tube wells irrigated. In some areas the underground water is salt affected. This AES comprised of Bah, Jetpurkala, Pinahat and Jagner Blocks of the district.

### 2.4 Area, Production and Productivity of major crops cultivated in the district:

S. No	Crop	Area (ha)	Production (Q)	Productivity (Q/ha)
1.	Paddy	5215	112590	21.59
2.	Wheat	140427	5199640	37.03
3.	Barley	7058	232750	32.98
4.	Jwar	103	1010	9.74
5.	Bajra	115736	2046640	16.68
6.	Maize	129	2220	17.21
7.	Urd	179	1140	6.37
8.	Moong	255	1700	6.67
9.	Lentil	581	10500	18.07
10.	Gram	1281	23790	18.57
11.	Pea	82	1840	22.46
12.	Arhar	827	5750	6.95
13.	Mustard	52639	916480	17.41
14.	Til	1885	3730	1.98
15.	Potato	56303	14851040	263.77
16.	Cotton	370	990	2.67

### 2.5. Weather data (Data provided by DAMUs Metrological lab RBS College, Agra)

Month		Rainfall (mm)	Temperature ° C		Relative Humidity (%)	
January	2022	40.00	23.00	5.00	100.00	66.00
February	2022	8.75	28.00	5.00	90.00	50.00
March	2022	NIL	39.00	10.00	91.00	36.00
April	2022	NIL	40.00	19.00	92.00	23.00
May	2022	11.78	41.00	24.00	92.00	26.00
June	2022	92.45	44.00	23.00	100.00	27.00



July	2022	299.95	39.10	20.70	100.00	52.00
August	2022	168.90	38.00	28.00	100.00	73.00
September	2022	-	-	-	-	-
October	2022	-	-	-	-	-
November	2022	-	-	-	-	-
December	2022	-	-	-	-	-

## 2.6 Production and productivity of livestock, Poultry, Fisheries etc. in the district:

Category	Male Population	Female Population	Production	Productivity
<b>Cattle</b>	6842	275946	-	-
Crossbred	-	-	-	-
Indigenous	-	-	-	-
<b>Buffalo</b>	36486	1030312	-	-
<b>Sheep</b>	1899	16679	-	-
Crossbred	-	-	-	-
Indigenous	-	-	-	-
<b>Goats</b>	17427	147937	-	-
<b>Pigs</b>	4251	14029	-	-
Crossbred	-	-	-	-
Indigenous	-	-	-	-
<b>Poultry</b>	30212	31555	-	-
Hens	-	-	-	-
Ducks	-	-	-	-
<b>Fish</b>	359 ha	-	-	-

## 2.7 Details of Operational area / Villages (2023)

S. No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.		Achenera/Bichpuri/Bah	Nagla Mansha, Madhepura,	Bajra, Wheat, Mustard, Potato, Tili, Paddy, Vegetables & dairy	<p>Low yield of crops and Vegetables.</p> <p>Problem of weeds in Wheat, Mustard &amp; Bajra.</p> <p>Attack of insect pest on Crops &amp; vegetable.</p> <p>Non-availability of good Seeds</p> <p>Low milk yield from dairy animals</p> <p>Adulteration in fertilizers.</p> <p>Seed production of Wheat &amp; Mustard.</p> <p>Nursery raising of Vegetables.</p> <p>Anoestrous in Buffaloes.</p> <p>Mortality in Buffalo calves and goats</p>	<p>Use balanced dose of Fertilizers in crops &amp; vegetables on the basis of soil testing.</p> <p>Control of weeds in wheat, Mustard &amp; Bajra.</p> <p>Plant protection in crops &amp; vegetables.</p> <p>Supply of good seeds through seed village scheme.</p> <p>Feeding and management of dairy animals.</p> <p>Provide knowledge about adulteration in fertilizers.</p> <p>Provide knowledge About seed production and seed processing through KVK.</p> <p>Provide knowledge About developing good/ off season nursery of vegetables.</p> <p>Control of anoestrous in Buffaloes.</p> <p>Control of parasites in Buffalo calves and goats</p>

					Non-availability of good Seeds	Supply of good seeds through seed village scheme.
					Low milk yield from dairy animals	Feeding and management of dairy animals.
					Adulteration in fertilizers.	Provide knowledge about adulteration in fertilizers.
					Seed production of Wheat & Mustard	Provide knowledge about seed production and seed processing through KVK.
					Nursery raising of Vegetables.	Provide knowledge about developing good/ off-season nursery of vegetables.
					Anoestrous in Buffaloes.	Control of anoestrous in Buffaloes.
					Mortality in Buffalo calves and goats.	Control of parasites in Buffaloes calves and goats
					Unemployment.	Employment through sewing, cultivation of flowers, preparation of vermi compost.

S. No	Taluk	Name of the block	Name of the village	Major crops	Major problem identified	Identified Thrust Areas
3.		Kheragarh/Fathepur Sikri/	Baruer, Chandni, Nagarya Ninwaha, Sale Nagar, Aurangpur, Bah Soniga, Jajau, Arhera, Noorpur	Bajra, Wheat, Mustard, Potato, Tili & dairy	Low yield of crops and vegetables.	Use balanced dose of fertilizers in crops & vegetables on the basis of soil testing.
					Problem of weeds in Wheat, Mustard & Bajra.	Control of weeds in Wheat, Mustard & Bajra.
					Attack of insect pest on crops & vegetables.	Plant protection in crops & vegetables.
					Non-availability of good seeds.	Supply of good seed through seed village scheme.
					Low milk yield from dairy animals.	Feeding and management of dairy animals.
					Adulteration in fertilizers.	Provide knowledge about adulteration in fertilizers.
					Seed production of Wheat & Mustard.	Provide knowledge about seed production and seed processing through KVK.
					Nursery raising of vegetables.	Provide knowledge about developing good/ off-season nursery of vegetables.
					Anoestrous in Buffaloes.	Control of anoestrous in Buffaloes.
					Mortality in Buffalo calves and goats.	Control of parasites in Buffalo, calves and goats

## 2.8 Priority thrust areas

Problem 1- Low yield of Crops / Vegetables and Fruits			
S.N.	Causes	S.N.	Priorities
1.	Use of imbalanced dose of fertilizers.	1.	Use of balanced dose of fertile. on the basis of soil testing and recommendation of scientists
2.	No use of proper dose of micro-nutrients	2.	Use of micronutrients-Zinc, Sulphur, Boron etc in proper dose on the basis of recommended by Scientist.

3.	No scientific method , dose and time in the use of herbicides for weed control	3.	Use of herbicides in proper dose, at proper time through scientific method
4.	Plant protection measures are improperly and untimely used in the fields.	4.	Scientific plant protection measures (IPM)
5.	Lack of knowledge and availability of seeds/seedlings of high yielding varieties of crops/vegetables	5.	Knowledge and supply of seeds/seedlings of high yielding varieties of crops/vegetables
6.	Poor nursery raising/transplanting method of vegetables/fruit plants	6.	Nursery raising in scientific way in poly-house /green house etc with method of scientific transplanting.
7.	No soil and seed treatment by farmers	7.	Provide knowledge about treatment of soil and seed in production of crops/vegetables
<b>Problem 2- Problem of fertilizers</b>			
1.	Adulteration in fertilizers	1.	Provide knowledge about adulteration in fertilizers
2.	Un availability of fertilizers at time	2.	Preparation and use of bio-fertilizers and use of balanced dose of fertilizers.
<b>Problem – 3- Poor soil health</b>			
1.	Use of imbalanced dose of fertilizers	1.	Use of balanced fertilizers on the basis of soil testing and recommendation of scientists
2.	Poor use /no use of organic fertilizers	2.	Preparation and use of bio-fertilizers/FYM/vermicompost.
3.	Un-scientifically/improper dose of chemicals	3.	Use of essential elements on the basis of soil testing.
4.	No use of bio-fertilizers.	4.	Use of different cultures in crops and vegetable
<b>Problem – 4- Low milk yield in dairy animals</b>			
1.	Imbalanced feeding to milch animals	1.	Balanced feeding of milch animals, balanced green fodder production
2.	Improper management of animals	2.	Scientific management of dairy animals
3.	No proper use of mineral supplements to milch animals.	3.	Proper use of minerals/elements-calcium etc .to dairy animals
4.	No proper vaccination/diseases control in animals.	4.	Timely vaccination through state department of Animal Husbandry.
<b>Problem – 5- Mortality/ no proper growth of buffalo calves/kids</b>			
1.	Un-scientifically control of endo and ecto parasites.	1.	Control of endo/ecto parasites in buffalo calves/ kids
2.	No colostrum feeding to calves	2.	Provide knowledge about colostrum feeding to calves
<b>Problem- 6- Anoestrus in buffaloes</b>			
1.	No proper use of mineral supplements to buffaloes.	1.	Proper use of minerals/elements to buffaloes
2.	No proper treatment.	2.	Timely treatment of anoestrus
<b>Problem- 7- Losses of grains</b>			
1.	Use improper method of grain storage	1.	Scientific method of grain storage
2.	Storage in mud kuthiya.	2.	Storage in grain bin with neem leaves and chemicals
<b>Problem- 8- Problem of self-employment</b>			
1.	No knowledge about activities of self-employment	1.	Self-employment through Seed production , Nursery raising , Fruit preservation Tailoring , animal keeping and milk production , back yard poultry etc.

### 3. A. Details of target (As per ICAR) of mandatory activities by KVK.

OFT		FLD	
1		2	
Number of OFTs	Number of Farmers	Area of FLDs (ha)	Number of Farmers
12	282	51.50+200 Animals	589

Training		Extension Activities	
3		4	

Number of Courses	Number of Participants	Number of activities	Number of participants
100	2000	500	5000

Seed Production (Q)	Planting material (Nos.)
5	6
200	20000

### 3. B. Abstract of interventions undertaken:

S	Thrust Area	Crop/enterprise	Identified Problem	Interventions					
				Title of OFT If any	Title of FLD If any	Title of Training If any	Training for extension. Person If any	Extension activities	Supply of seeds, planting material
1.	Use of Balanced Fertilizer	BajraTil Wheat Mustard Barley Potato	Low yield of crops due to use of unbalanced fertilizers	To show the yield perfor. by using bala. Fert. In Bajra,Wheat, Barley and Mustard	To show the yield perfor. by using bal.fert. In Wheat Barley, Potato Mustard BajraTil	Cultivation of Wheat, Mustard, with use of bal. fertilizers. Fertilizer management in Cucurbitaceous crops. Balanced fertilizers in Bajra crop Fertilizer management in Cotton & Bhindi.	-	Field days Scientist visits	Fertilizers ZnSO <sub>4</sub> Sulphur Borax
2.	Use of Micro nutrients	Sulphur. Zinc Boron	Low yield of crops due to not use of Micro-nutri.	To show the yield performance of potato by using micronutrient	-	Deficiency of micronutrients in soil and use of bio-fertilizers. Importance and of trace elements in crops	-	Scientist visits	-
3.	Weed Control	Phaiaris Parthenium Chenopodium Bisakhpara	Low yield of crops due to Weeds	Weed control in Bajra	Weed control in Wheat and Potato	Control of Weeds	-	Field days Scientist visits	Weedicide

4.	Seed Produ. Varietal	Wheat Mustard Potato, Methi, Chili, Sem & Pumpkin	Not available of good seed of crops	-	Wheat, Chili Marigold Bhindi Mustard. Til, Sem, Pumpkin	Seed Production of Wheat, Mustard, Potato. Methi and Coriander	Seed prod, of Wheat. Potato	Field days Scientist visits	Seed
5.	Seed Processes.	Wheat Mustard	Not available of good seed of crop	-	-	Seed Processing of Wheat Mustard		Scientist visits	
6.	Plant protection	Crops Vegetables Fruit plants	Low yield of crops, vege. and fruit plants due to infestation of insect/pests & diseases	Control of Termite in Wheat, Shoot & Fruit borer in Brinjal, Phyllody control in Til	Late blight control in Potato	Control of Termite in Wheat, Shoot & Fruit borer in Brinjal, Phyllody control in Til	Control of Termite in Wheat, Shoot & Fruit borer in Brinjal, Phyllody control in Til	Field days Scientist visits	Fungicide, Insecticide
7.	Seed and Soil treatment	Crops and Vegetables	Low yield of crops and vegetables due to seed and soil borne diseases	-	Seed and soil treatment in Mustard for root and Stem rot disease	Seed and Soil treatment for crops and vegetables	-	Scientist visits	Fungicide
8.	Cultivation of Crops	Wheat Mustard Barley Potato BajraTil	Low yield of crops	-	-	Cultivation of Crops	Cultiv. Of Bajra in Zaid, Cultiv. of Bhindi	Scientist visits	Seed Fert.
9.	Nursery raising of Vegetable	Tomato Chili Cole crops Brinjla Onion	Low yield of vegetables due to good seedlings are not available	-	-	Nursery raising of Vegetables	-	Scientist visits	Seedlings
10.	Storage of Grains	Wheat Barley Mustard	Loss of grains in storage	-	Storage of Grains	Storage of Grains	-	Scientist visits	Celphos
11.	Sell Employ.	Knitting embroidery Fruit preservati	Unemployment In Farm Women	-	-	Self Employment through knitting, embroidery, fruit preservation	-	-	-

		on							
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### 3.1 Technologies to be assessed and refined

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oil Seed	Pulses	Commercial Crop	Vegetables	Fruit	Flower	Plantation Crop	Tuber Crop	TOTAL
Varietal Evaluation	2	-	-	1	1	-	-	-	-	4
INM	2	-	-	-	-	-	-	-	-	2
Other	-	-	-	-	2	-	-	-	-	2
<b>Total</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8</b>

#### A.2. Abstract on the number of technologies to be refined in respect of crops

Thematic areas	Cereal	Oil seed	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crop	Tuber Crop	TOTAL
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

#### A.3. Abstract on the number of tech no. to be assessed in respect of live-stock /enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	Total
Feed and Fodder	2	-	-	-	-	-	-	2

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	Total
<b>Total</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>

#### A.4. Abstract on the number of technologies to be refined in respect of livestock /enterprises

##### B. Details of On Farm Trials:

Trial 2 (Agro) Crop: Wheat Total Cost Rs: 3500.00 No. of Farmers: 4 Area : 1.00ha

1.	<b>Title</b>	To evaluate the yield performance of barley by using high yielding variety.
2.	<b>Problem diagnosed/defined</b>	Low yield of Barley due to use of low yielded variety.
3.	<b>Details of technologies selected for assessment/refinement</b>	T <sub>1</sub> - Farmers Practice use of Seed variety-PL 172 T <sub>2</sub> - Use of Variety DWRB-160
4.	<b>Source of technology</b>	ICAR-IIWBR, Karnal
5.	<b>Production system</b>	Bajra – Barley
6.	<b>Thematic area</b>	Varietal Evaluation.
7.	<b>Critical Input</b>	Seed - Variety RWRUB-64 100 Kg

8.	<b>Performance of the Technology with performance indicators</b>	Technical	Yield/Quintal Increase/decrease in yield over farmers practice
		Economic	Benefit Cost Ratio
			Net Profit /ha

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**Trial 2 (Agro) Crop: Wheat Total Cost Rs: 3500.00 No. of Farmers: 4 Area : 1.00ha**

1.	<b>Title</b>	To evaluate the yield performance of Wheat by using HYV.	
2.	<b>Problem diagnosed/defined</b>	Low yield of wheat due to use of old Varieties.	
3.	<b>Details of technologies selected for assessment/refinement</b>	T <sub>1</sub> - Use of PBW 343 T <sub>2</sub> - Use of HD 3226	
4.	<b>Source of technology</b>	PUSA, New Delhi	
5.	<b>Production system</b>	Bajra – Wheat	
6.	<b>Thematic area</b>	Nutritional Management	
7.	<b>Critical Input</b>	Seed-120kg	
8.	<b>Performance of the Technology with performance indicators</b>	Technical	Yield Q/ha Increase/decrease in yield over farmers practice
		Economic	Benefit Cost Ratio
			Yield in Q/ha Net Profit /ha

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**Trial 3 (Horti.) Crop: potato Total Cost Rs: 7500.00 No. of Farmers: 2 Area : 0.10ha**

1	<b>Title</b>	To evaluate the yield performance of potato by using high yielding variety.	
2	<b>Problem diagnosed/defined</b>	Low yield of Potato due to use of variety 3797 (Kufri Bahar)	
3	<b>Details of technologies selected for assessment /refinement</b>	T <sub>1</sub> – Use of variety 3797 (Kufri Bahar) T <sub>2</sub> – Kufri Mohan	
4	<b>Source of technology</b>	CPRI, Shimla	
5	<b>Production system</b>	Fallow	
6	<b>Thematic area</b>	Varietal evaluation	
7	<b>Critical input</b>	Seed 3.50 Q	
8	<b>Performance of the Technology with performance indicators</b>	i. Technical:	No. of tubers/plant Size of tuber
		ii. Economic:	Benefit Cost Ratio Yield in Q/ha Net Profit /ha

**Trial 4 (Hort.) Crop: Chili Total Cost Rs: 3000.00 No. of Farmers: 4 Area : 1.00ha**

1	<b>Title</b>	To evaluate the yield performance of new variety of Chilli.
2	<b>Problem diagnosed/defined</b>	Low yield of Chilli due to use of variety- Disha.
3	<b>Farmers' Practice</b>	Use of variety- Disha
4	<b>Details of technologies selected for assessment/refinement</b>	T <sub>1</sub> – farmers practice use of variety- Disha T <sub>2</sub> – Use of variety- Arka Meghna [F <sub>1</sub> ]
5	<b>Source of technology</b>	ICAR-IIHR, Bengaluru

6	<b>Production system</b>	Bajra-Chilli
7	<b>Thematic area</b>	Varietal evaluation
8	<b>Critical Input</b>	Seed
9	<b>Performance of the Technology with performance indicators</b>	<p>i. Technical: Plant height Number of branches/plant No of fruits /plant Size of fruit Yield Q/ha</p> <p>ii. Economic: Benefit Cost Ratio &amp; Net Profit/ ha</p>

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**Trial 5 (Soil ) Crop: Wheat Total Cost Rs: 8500.00 No. of Farmers: 4 Area : 1.00ha**

1.	<b>Title</b>	To evaluate the yield performance of Wheat by using balanced dose of fertilizers. (Soil testing based fertilizer).	
2.	<b>Problem diagnosed/defined</b>	Low yield of wheat due to use of unbalanced dose of fertilizers	
3.	<b>Details of technologies selected for assessment/refinement</b>	T <sub>1</sub> - Use of NPK@ 100:46:0 Kg/ha T <sub>2</sub> - Use of NPK @ 120:60:40 + 12.50 kg Zn (33%) & 20 Kg Sulphur/ha	
4.	<b>Source of technology</b>	Department of Soil Science, RBS College, Agra	
5.	<b>Production system</b>	Bajra – Wheat	
6.	<b>Thematic area</b>	Nutritional Management	
7.	<b>Critical Input</b>	Seed-120kg, Urea -210 Kg, DAP-130 Kg, by farmer MOP -67 Kg, Zinc-(33%)-12.5 Kg , S- 20 Kg.	
8.	<b>Performance of the Technology with performance indicators</b>	Technical	Yield Q/ha Increase/decrease in yield over farmers practice
		Economic	Benefit Cost Ratio  Yield in Q/ha Net Profit /ha

**Trial 6 (Soil) Crop: Mustard Total Cost Rs: 7100.00 No. of Farmers: 4 Area : 1.00ha**

1.	<b>Title</b>	To evaluate the yield performance of Mustard by using balance fertilizers (Soil testing based fertilizer)	
2.	<b>Problem diagnosed/defined</b>	Low yield of Mustard due to use of imbalance dose of fertilizer	
3.	<b>Details of technologies selected for assessment/refinement</b>	T <sub>1</sub> - Use of N.P.K @ 64:46:0 Kg/ha T <sub>2</sub> - Use of N.P.K@ 100:60:40 Kg/h.40 kg Sulphur with 12.50 kg Zn (33%) Borax- 10 kg + 16 Bags City Compost	
4.	<b>Source of technology</b>	DRMR, Sewar, Bharatpur	
5.	<b>Production system</b>	Fallow –Mustard	
6.	<b>Thematic area</b>	Integrated Nutritional Management with varietal evaluation.	
7.	<b>Critical input</b>	5.00 kg Seed , 166 kg Urea ,130 Kg- DAP- by farmer, 67 Kg MOP, 40 kg S and Zn (33%) 12.50 Kg, Borax- 10 kg	
8.	<b>Performance of the Technology with performance indicators</b>	Technical	No. of pods/plant,
		Economic	Benefit Cost Ratio Yield in Q/ha Net Profit /ha

**Trial 7 (Agri. Ext.) Crop: Mustard Total Cost Rs: 7100.00 No. of Farmers: 10 Area : 1.00ha**

1.	<b>Title</b>	Assessment of knowledge gain by vegetable growing farmers through printed extension literature.
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2.	<b>Problem diagnosed/de fined</b>	Lack of technical knowledge for farmers in need.
3.	<b>Details of technologies selected for assessment/ refinement</b>	T <sub>1</sub> - Farmers practices existing agricultural technical knowledge. T <sub>2</sub> -Printed literature supply like KVK News Letter, Booklet, Folders, Leaflet & Bulletin etc.
4.	<b>Thematic area</b>	Information Communication Technology
5.	<b>Source of Technology</b>	IARI, New Delhi
6.	<b>Target</b>	Farmers and farm women
7.	<b>Number of trials</b>	100
8.	<b>Critical Input</b>	Supply of printed literature like KVK News Letter, Folders, Leaflet & Bulletin etc.
9.	<b>Performance of the Technology with performance indicators</b>	Need & time based information Applicability & acceptability of print media Knowledge gain by farmers Change in net income
1.	<b>Farmers Practices</b>	Assessment of the effectiveness of different source of Agro advisory services provided to the farmers of the Agra district.
2.	<b>Problem diagnose</b>	Different source of Agro Advisory service are not giving better impact for solving the problems.
3.	<b>Name of Technology</b>	Agro Advisory services
4.	<b>Details of technology selected for assessment</b>	T <sub>1</sub> : Farmers generally get advice through neighboring farmers. T <sub>2</sub> : Framers' receiving Agro-Advisory through GKMS
5.	<b>Source of technology (Year)</b>	KVK Agra [DAMU project]
6.	<b>No of respondent</b>	120
7.	<b>Performance indicator/parameter</b>	<ul style="list-style-type: none"> <li>• Knowledge before after</li> <li>• Extend of problem solving</li> <li>• Constraints by farmers during Agro-advisory services</li> </ul>

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**Enterprises: 9 (Home Science) Food Security Total Cost Rs: 2500.00 Farm 20 women**

1.	<b>Thematic Area</b>	Nutritional Security
2.	<b>Problem diagnosed</b>	Low Nutritional status and Malnutrition of Farm women
3.	<b>Title of OFT</b>	Assessment of the effective supplementation of fortified wheat flour for improvement of nutritional status of Farm Women
4.	<b>Details of technologies selected for assessment/ refinement</b>	T <sub>1</sub> : Farmer Practice- Wheat flour only (Protein 10-11%, Iron 1.0-1.2 mg/100 gm) T <sub>2</sub> : Recommended practice- Fortified wheat flour (75%)+ Gram Flour (20%) + Barley Flour (5%) for 180 days ((Protein 14-15%, Iron 2.0-2.4 mg/100 gm)
5.	<b>Source of Technology</b>	NIN, Hyderabad
6.	<b>Year</b>	2012
7.	<b>Critical Input</b>	Gram Flour(80 gm/day) + Barley Flour (20 gram/day)
8.	<b>Expenditure</b>	Rs. 1000/ trial
9.	<b>Parameter observation</b>	<b>Technical:</b> i) Energy Adequacy (Height, Weight, BMI) ii) Perceived rate of exertion (Brog's 10 point scale) iii) Haemoglobin level <b>Social :</b> i) Availability & Adoption of technology

**Enterprises: 9 (Home Science) Food Security Total Cost Rs: 2500.00 Children's : 20**

1.	<b>Title</b>	Improvement of health status of 6 Months to 2 years children's through supplementary food.
2.	<b>Problem diagnosed/defined</b>	Low nutritional status of 6 Months to 2 years children's.
3.	<b>Details of technologies selected for assessment/ refinement</b>	T <sub>1</sub> : Normal Practice (simple milk) T <sub>2</sub> : Wheat Payasam {Wheat (Roasted Powder 30gms) +

		Roasted Bengal Gram flour 15gms + Roasted & cursed groundnut 5gms+ Sugar 15gms+ Water for cooking as per required}.
4.	<b>Source of technology</b>	NIN, Hyderabad
5.	<b>Production system</b>	Food security
6.	<b>Thematic area</b>	Food security
7.	<b>Critical Input</b>	Fortified Wheat Flour
8.	<b>Performance of the Technology with performance indicators</b>	<b>Technical:</b> i) Energy Adequacy (Height, Weight, BMI) ii) Perceived rate of exertion (Brog's 10 point scale) iii) Haemoglobin level <b>1. Social :</b> i) Availability & Adoption of technology

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**Trial: 11 Enterprise: Livestock (Buffalo/Cow) Total Cost Rs. 6000.00 No. of farmers: 5 Animals: 5**

1.	<b>Title</b>	Evaluation of different feed supplement to check the infertility in milch animals.
2.	<b>Problem diagnosed/defined</b>	Infertility
3.	<b>Micro Farming Situation</b>	Crop Production and Animal Husbandry
4.	<b>Details of technologies Identified for Solution</b>	T <sub>1</sub> - Farmer practice Use of common Salt. T <sub>2</sub> - Dewormer+ Mineral Mixture+ Fertilisule
5.	<b>Source of technology</b>	IVRI, Izatnagar, Bareilly/ NDRI Karnal
6.	<b>Duration</b>	60 days
7.	<b>Thematic area</b>	Nutritional Management
8.	<b>Critical Input</b>	Dewormer, Mineral Mixture, Fertilisule
9.	<b>Observation to be Recorded</b>	i) Annual calving ii) Milk production iii) C:B ratio

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**Trial: 12 Enterprise: Livestock (Buffalo/Cow) Total Cost Rs. 5000.00 No. of farmers: 15 Animals: 15**

1.	<b>Title</b>	Low fat in Milk
2.	<b>Problem diagnosed/defined</b>	Disturb rumen microflora & pH
3.	<b>Farmers' Practice</b>	Irregular feeding of common salt
4.	<b>Details of technologies selected for assessment/ refinement</b>	Cattle & Buffalo- 100 gm fat plus per day per lactating animal.
5.	<b>Source of technology</b>	NDRI, Karnal
6.	<b>Production system</b>	Mixed farming (crop + dairy)
7.	<b>Thematic area</b>	Nutritional Management
8.	<b>Critical Input</b>	Nutritional supplement for maintaining microflora, pH and Fat.
9.	<b>Performance of the Technology with performance indicators</b>	i) Increase fat percent in milk. ii) Normal rumen microflora & Ph

### 3.2 FRONTLINE DEMONSTRATIONS

#### A. Details of FLDs to be organized

S. No.	Crop	Thematic area	Tech for Demonstration	Critical inputs/ha (Cost for total FLD)	Season & year	Area (ha)	No. of farmers/Demo.	Parameters identified
1.	<b>Bajra</b>	INM	Balance Fertilizer	Hybrid Seed Variety Super Boss 5 Kg/ha Rs. 7500.00 <b>Total- Rs-7500.00</b>	Kharif 2023	3	12	Yield (Q/ha) Benefit cost ratio.
2.	<b>Barley</b>	Varietal	Narendra -3/ K-508/, N-2/ RD 2660/ 2552/	Seed-180 Kg Rs 6300.00 <b>Total- Rs- 6300.00</b>	Rabi 2023-2024	2.00	8	No. of ears/plant Grain yield-Q/ha B C ratio
3.	<b>Wheat</b>	Varietal Timely sown	Varietal-PBW 550/DRW 17/ HD-2851/HD-2687/HD 2967	Seed-600kg. Rs. 21000.00 <b>Total- Rs- 21000.00</b>	Rabi 2023-2024	5.00	20	No. of plant/m <sup>2</sup> No. of tillers /plant Grain yield-Q/ha B C ratio
4.	<b>Wheat</b>	INM	Balance Fertilizer	Urea - 140 Kg + SSP by farmer MOP-268 Kg Rs. 5092.00 Zinc (33%)-50 Kg Rs. 4375.00 Sulphur- 80 Kg Rs. 2800.00 <b>Total- Rs-12267.00</b>	Rabi 2023-2024	4.00	16	No. of plants/m <sup>2</sup> No. of tillers/plant Grain yield-Q/ha Benefit cost ratio
5.	<b>Til</b>	Varietal+ Balance Fertilizer	Varietal + Balance Fertilizer	Urea & DAP -65Kg- by Farmers Seed –Shekhar/Pragati /Tarun/HT-3/RT 351, HT-2 - 8 kg Rs. 1500.00 Sulphur-80kg Rs. 2800.00 <b>Total- Rs 4300.00</b>	Kharif 2023	2.00	8	Yield in Q/ha. BC ratio. No. of grains in a ear
6.	<b>Mustard (CFLD)</b>	Variety	Variety + Balance Fertilizer	NRCDR-2/NRCHB101/RH-479/T-31/IJ 31 Seed - 100 kg Rs. 10000.00 Compost-16000 kg Rs. 58720.00 Sulphur-800 kg Rs. 28000.00 Borax-200 kg Rs. 16000.00 <b>Total- Rs.112720.00</b>	Rabi 2023-2024	20.00	50	No of Plants/mt <sup>2</sup> No of Fruits/plant Yield Q/ha BC Ratio
7.	<b>Green Gram (CFLD)</b>	Variety	Variety + Balance Fertilizer	Seed Variety IPM 420-3, IPM 205-7 Seed - 150 kg Rs. 18750.00 Compost-120 kg Rs. 22200.00 Zinc (33%)-125 kg	Rabi 2023-2024	10.00	25	No of Plants/mt <sup>2</sup> No of Fruits/plant Yield Q/ha BC Ratio

				Rs. 11000.00 Liquid Fertilizer 25 lts Rs. 25000.00 <b>Total- Rs.76950.00</b>				
8.	<b>Bhindi</b>	Varietal	Variety- Arka Anamica	Seed- 12 Kg Rs.2,400.00 <b>Total-2,400.00</b>	Kharif 2023	0.50	3	Yield Q/ha. Benefit cost ratio
9.	<b>Potato</b>	INM	Use of Balanced fertilizer	ZnSO <sub>4</sub> 33%-25Kg Rs. 1.250.00 Sulphur 25Kg. Rs. 2.500.00 Borax 16Kg. Rs 1,920.00 <b>Total-5,670.00</b>	Rabi 2023- 2024	2.00	8	Yield of crop Q/ha. Size of tuber Cracking in tubers (%) Benefit cost ratio.
10.	<b>Marig old</b>	Varietal	Variety- PUSA Narang	Seed- 1 Kg Rs 4,000.00 <b>Total-4000.00</b>	Kharif 2023	1.00	4	Yield Q/ha. Benefit cost ratio
11.	Agricul ture technic al knowle . improv ement after popula rization of Print media	ICT	Booklet printing	Agril. technical knowledge improvement after popularization of Print media Rs. 3000.00	2023	-	250	1. Need & time based information 2. Applicability of the Print media 3. Impact of Technology
12.	Farme rs work efficien cy throug h "Farm ers Club"/ FIG	ICT	"Farmers Club"	Group approach (selected villages)	2023	-	30	No. of technology adopted, work efficiency, saving time Net increase in annual income

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#### A. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1.	Field days- <ul style="list-style-type: none"> <li>• Mustard</li> <li>• Barley</li> <li>• Wheat</li> <li>• Bajra</li> <li>• Til</li> </ul>	6 2 3 2 1	January February March October October	300 100 150 80 50
2.	Farmers Training	20	Whole year	300
3.	Media coverage	8	Whole year	-

4.	Training for extension functionaries	6	Whole year	100
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## DETAILS OF FLD ON ENTERPRISES

### LIVESTOCK ENTERPRISES

#### A. Details of FLDs

Enterprise	Breed	No. of farmers	No. of Calves/Goats/ Area/ Buffalo	Critical inputs	Performance parameters / indicators
Deworming of Buffalo Calves	Murrah/ Non decreteive Buffalo	105	200	Wormicide: Rs.10000.00 <b>Total-10000.00</b>	1. Mortality percentage 2. Body weight of calves after nine months
Oat	Feed And Fodder Technology	10	1 ha	Variety : Kent / As Per Availability Seed Req 100 kg Total Cost: 5000/- approx	1. Production of Performance 2. Yield / ha 3. No. of Cutting
Berseem	Feed And Fodder Technology	10	1 ha	Variety : (BL-42) Seed: Req 60 kg Rs6000.00	1. Production of Performance 2. Yield / ha 3. No. of Cutting

#### B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	3	Feb., June & July	225
2	Farmers Training	8	Nov., Dec. Jan., Feb., May, July, Sept., Oct.	145
3	Media coverage	3	Feb., June & July	-
4	Training for extension functionaries	1	February	20

## HOME SCIENCE ENTERPRISES

#### A. Details of FLD

<b>Thematic Area</b>	Food and Nutritional Security
<b>Problem diagnosed</b>	Malnutrition due to lack of vegetables in daily routine diet
<b>Title</b>	Round year production / availability of seasonal vegetables through nutritional garden for food and nutritional security
<b>Farmers Practice</b>	Irregular cultivation and improper management
<b>Technology to be demonstrated</b>	Round year production (Rabi, Kharif & Zaid) / availability of seasonal vegetables (Green leafy, Fruits, Beans, Root & Tubers) through proper layout, provide good quality seed and planting materials
<b>Critical Input</b>	Vegetables Seed and Seedlings
<b>Expenditure</b>	Rs. 200X30 per demonstration Total Cost: 6000/-
<b>Parameter observation</b>	<b>Technical :</b> i) Availability of vegetables gram/ day ii) Requirements fulfilled (%)

	<b>Economic:</b> i) Cost of cultivation ii) B:C Ratio <b>Social :</b> i) Feedback of the farmers
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**B. Extension and Training activities under FLDs**

1. International Woman Day [8 March 2023]
2. National Nutrition Week/Poshan Maah/ [1<sup>st</sup> to 31<sup>st</sup> September 2023]
3. Krashak Mahila Divas [15<sup>th</sup> October 2023]
4. World Food Day [16<sup>th</sup> October 2023]
5. Woman Health Camps as per requirement

**3.3 TRAINING (INCLUDING THE SPONSORED AND FLD TRAINING PROGRAMMES):**

**A) ON Campus**

Thematic area	ON CAMPUS									
	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	Total
<b>I Crop Production</b>										
Weed Management	1	10		10	5	0	5	15	0	15
Resource Conservation Technologies	6	90		90	30		30	120	0	120
Others	1	15	0	15	5	0	5	20	0	20
<b>Total</b>	<b>8</b>	<b>115</b>	<b>0</b>	<b>115</b>	<b>40</b>	<b>0</b>	<b>40</b>	<b>155</b>	<b>0</b>	<b>155</b>
<b>II Horticulture</b>										
<b>a) Vegetable Crops</b>										
Production of low value and high volume crops				0			0	0	0	0
Off-season vegetables	3	50		50	9		9	59	0	59
Nursery raising	2	30		30	7		7	37	0	37
<b>Total (a)</b>	<b>5</b>	<b>80</b>	<b>0</b>	<b>80</b>	<b>16</b>	<b>0</b>	<b>16</b>	<b>96</b>	<b>0</b>	<b>96</b>
<b>b) Fruits</b>										
Total (b)	0	0	0	0	0	0	0	0	0	0
<b>c) Ornamental Plants</b>										
<b>Total (c)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>d) Plantation crops</b>										
Production and Management technology	1	15		15			0	15	0	15
<b>Total (d)</b>	<b>1</b>	<b>15</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>15</b>
<b>e) Tuber crops</b>										
Production and Management technology	2	30		30	10		10	40	0	40
<b>Total (e)</b>	<b>2</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>40</b>	<b>0</b>	<b>40</b>
<b>f) Spices</b>										
<b>Total (f)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>g) Medicinal and Aromatic Plants</b>										
<b>GT (a-g)</b>	<b>8</b>	<b>125</b>	<b>0</b>	<b>125</b>	<b>26</b>	<b>0</b>	<b>26</b>	<b>151</b>	<b>0</b>	<b>151</b>
<b>III Soil Health and Fertility Management</b>										
Soil fertility management	2	30		30	10		10	40	0	40

Integrated Nutrient Management	2	30		30	10		10	40	0	40
Nutrient Use Efficiency	2	30		30	15		15	45	0	45
Soil and Water Testing	2	30		30	20		20	50	0	50
<b>Total</b>	<b>8</b>	<b>120</b>	<b>0</b>	<b>120</b>	<b>55</b>	<b>0</b>	<b>55</b>	<b>175</b>	<b>0</b>	<b>175</b>
<b>IV Livestock Production and Management</b>										
Dairy Management	1	20		20			0	20	0	20
Poultry Management	1	20		20			0	20	0	20
Piggery Management	1	20		20			0	20	0	20
Rabbit Management	1	20		20			0	20	0	20
Animal Nutrition Management	1	15		15	15		15	30	0	30
Disease Management	1	10		10	5	5	10	15	5	20
Feed & fodder technology	1	20		20	10		10	30	0	30
Production of quality animal products	1	10		10	10		10	20	0	20
Others				0			0	0	0	0
<b>Total</b>	<b>8</b>	<b>135</b>	<b>0</b>	<b>135</b>	<b>40</b>	<b>5</b>	<b>45</b>	<b>175</b>	<b>5</b>	<b>180</b>
<b>V Home Science/Women empowerment</b>										
Household food security by kitchen gardening and nutrition gardening	3		45	45		14	14	0	59	59
Design and development of low/minimum cost diet	1		15	15		5	5	0	20	20
Designing and development for high nutrient efficiency diet	1		15	15		5	5	0	20	20
Minimization of nutrient loss in processing	1		20	20		0	0	0	20	20
Processing and cooking	1		15	15		5	5	0	20	20
Gender mainstreaming through SHGs	1		15	15		5	5	0	20	20
Storage loss minimization techniques	1		15	15		5	5	0	20	20
Value addition	1		15	15		5	5	0	20	20
Women empowerment	1		15	15		5	5	0	20	20
Location specific drudgery reduction technologies	1		15	15		5	5	0	20	20
Rural Crafts				0			0	0	0	0
Women and child care				0			0	0	0	0
Others				0			0	0	0	0
<b>Total</b>	<b>12</b>	<b>0</b>	<b>185</b>	<b>185</b>	<b>0</b>	<b>54</b>	<b>54</b>	<b>0</b>	<b>239</b>	<b>239</b>
<b>VI Agril. Engineering</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>X Capacity Building and Group Dynamics</b>										
Leadership development	3	50		50	13		13	63	0	63
Group dynamics	1	15		15	5		5	20	0	20
Formation and Management of SHGs	1	20		20	3		3	23	0	23
Mobilization of social capital	1	15		15	5		5	20	0	20

Entrepreneurial development of farmers/youths	1	15		15	5		5	20	0	20
WTO and IPR issues	1	15		15	4		4	19	0	19
Others	1	15		15	4		4	19	0	19
<b>Total</b>	<b>9</b>	<b>145</b>	<b>0</b>	<b>145</b>	<b>39</b>	<b>0</b>	<b>39</b>	<b>184</b>	<b>0</b>	<b>184</b>
<b>XI Agro-forestry</b>										
<b>GRAND TOTAL</b>	<b>53</b>	<b>640</b>	<b>185</b>	<b>825</b>	<b>200</b>	<b>59</b>	<b>259</b>	<b>840</b>	<b>244</b>	<b>1084</b>

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#### B) Rural Youths

Area of Training	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	Total
Seed production	4	57		57	20		20	77	0	77
Dairying	1	20		20	5		5	25	0	25
Other	3	45		45	15		15	60	0	60
<b>TOTAL</b>	<b>8</b>	<b>122</b>	<b>0</b>	<b>122</b>	<b>40</b>	<b>0</b>	<b>40</b>	<b>162</b>	<b>0</b>	<b>162</b>

#### C) Extension Functionaries

Area of Training	No. of courses	ON CAMPUS								
		Participants								
		Others			SC/ST			Grand Total		
M	F	T	M	F	T	M	F	T		
Other	9	145	50	195	5		5	150	50	200
<b>TOTAL</b>	<b>9</b>	<b>145</b>	<b>50</b>	<b>195</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>150</b>	<b>50</b>	<b>200</b>

### 3.3 TRAINING (INCLUDING THE SPONSORED AND FLD TRAINING PROGRAMMES):

#### A) OFF Campus

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	Total
<b>I Crop Production</b>										
Weed Management	2	15	0	15	5	0	5	20	0	20
Resource Conservation Technologies	4	80		80	45		45	125	0	125
Integrated nutrient management	1	15		15	5		5	20	0	20
Others	1	15		15	5		5	20	0	20
<b>Total</b>	<b>8</b>	<b>125</b>	<b>0</b>	<b>125</b>	<b>60</b>	<b>0</b>	<b>60</b>	<b>185</b>	<b>0</b>	<b>185</b>
<b>II Horticulture</b>										
<b>a) Vegetable Crops</b>										
Production of low value and high volume crops	3	50		50	9		9	59	0	59
Off-season vegetables		0		0			0	0	0	0
Nursery raising	3	57		57	7		7	64	0	64
Others	1	15		15	5		5	20	0	20
<b>Total (a)</b>	<b>7</b>	<b>122</b>	<b>0</b>	<b>122</b>	<b>21</b>	<b>0</b>	<b>21</b>	<b>143</b>	<b>0</b>	<b>143</b>
<b>b) Fruits</b>										
Training and Pruning	1	15		15	5		5	20	0	20



Total (b)	1	15	0	15	5	0	5	20	0	20	
<b>c) Ornamental Plants</b>											
<b>Total (c)</b>	0	0	0	0	0	0	0	0	0	0	
<b>d) Plantation crops</b>											
<b>Total (d)</b>	0	0	0	0	0	0	0	0	0	0	
<b>e) Tuber crops</b>											
<b>Total (e)</b>	0	0	0	0	0	0	0	0	0	0	
<b>f) Spices</b>											
<b>Total (f)</b>	0	0	0	0	0	0	0	0	0	0	
<b>g) Medicinal and Aromatic Plants</b>											
<b>GT (a-g)</b>	<b>8</b>	<b>137</b>	<b>0</b>	<b>137</b>	<b>26</b>	<b>0</b>	<b>26</b>	<b>163</b>	<b>0</b>	<b>163</b>	
<b>III Soil Health and Fertility Management</b>											
Soil fertility management	2	25		25	10		10	35	0	35	
Micro nutrient deficiency in crops	2	30		30	10		10	40	0	40	
Nutrient Use Efficiency	0	0		0			0	0	0	0	
Balance use of fertilizers	1	15		15	5		5	20	0	20	
Soil and Water Testing	1	15		15	10		10	25	0	25	
Others	2	45		45	20		20	65	0	65	
<b>Total</b>	<b>8</b>	<b>130</b>	<b>0</b>	<b>130</b>	<b>55</b>	<b>0</b>	<b>55</b>	<b>185</b>	<b>0</b>	<b>185</b>	
<b>IV Livestock Production and Management</b>											
Dairy Management	1	15		15	5		5	20	0	20	
Poultry Management	1	20		20	5		5	25	0	25	
Piggery Management	1	15		15	5		5	20	0	20	
Rabbit Management	1	15		15	5		5	20	0	20	
Animal Nutrition Management	1	15		15	5		5	20	0	20	
Disease Management	1	15		15	10		10	25	0	25	
Feed & fodder technology	1	15		15	5		5	20	0	20	
Production of quality animal products	1	15		15	10		10	25	0	25	
Others	1	20		20	0		0	20	0	20	
<b>Total</b>	<b>9</b>	<b>145</b>	<b>0</b>	<b>145</b>	<b>50</b>	<b>0</b>	<b>50</b>	<b>195</b>	<b>0</b>	<b>195</b>	
<b>V Home Science/Women empowerment</b>											
Household food security by kitchen gardening and nutrition gardening	1	0	15	15			4	4	0	19	19
Design and development of low/minimum cost diet	1		15	15			5	5	0	20	20
Designing and development for high nutrient efficiency diet	1		15	15			4	4	0	19	19
Minimization of nutrient loss in processing	1		15	15			5	5	0	20	20
Processing and cooking	1		15	15			4	4	0	19	19
Gender mainstreaming through SHGs	1		15	15			5	5	0	20	20

<b>Total</b>	<b>6</b>	<b>0</b>	<b>90</b>	<b>90</b>	<b>0</b>	<b>27</b>	<b>27</b>	<b>0</b>	<b>117</b>	<b>117</b>
<b>VI Agril. Engineering</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VIII Fisheries</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IX Production of Inputs at site</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>X Capacity Building and Group Dynamics</b>										
Leadership development	2	30		30	9		9	39	0	39
Group dynamics	1	15		15	5		5	20	0	20
Formation and Management of SHGs	1	15		15	4		4	19	0	19
Mobilization of social capital	1	15		15	5		5	20	0	20
Entrepreneurial development of farmers/youths	1	15		15	4		4	19	0	19
WTO and IPR issues	1	15		15	5		5	20	0	20
Others	1	15		15	4		4	19	0	19
<b>Total</b>	<b>8</b>	<b>120</b>	<b>0</b>	<b>120</b>	<b>36</b>	<b>0</b>	<b>36</b>	<b>156</b>	<b>0</b>	<b>156</b>
<b>XI Agro-forestry</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GRAND TOTAL</b>	<b>47</b>	<b>657</b>	<b>90</b>	<b>747</b>	<b>227</b>	<b>27</b>	<b>254</b>	<b>884</b>	<b>117</b>	<b>1001</b>

#### TRAINING (INCLUDING THE SPONSORED AND FLD TRAINING PROGRAMMES):

##### On + Off Campus

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	Total
<b>I Crop Production</b>										
Weed Management	3	25	0	25	10	0	10	35	0	35
Resource Conservation Technologies	10	170	0	170	75	0	75	245	0	245
Integrated nutrient management	1	15	0	15	5	0	5	20	0	20
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Others	2	30	0	30	10	0	10	40	0	40
<b>Total</b>	<b>16</b>	<b>240</b>	<b>0</b>	<b>240</b>	<b>100</b>	<b>0</b>	<b>100</b>	<b>340</b>	<b>0</b>	<b>340</b>
<b>II Horticulture</b>										
<b>a) Vegetable Crops</b>										
Production of low value and high volume crops	3	50	0	50	9	0	9	59	0	59
Off-season vegetables	3	50	0	50	9	0	9	59	0	59
Nursery raising	5	87	0	87	14	0	14	101	0	101
Others	1	15	0	15	5	0	5	20	0	20
<b>Total (a)</b>	<b>12</b>	<b>202</b>	<b>0</b>	<b>202</b>	<b>37</b>	<b>0</b>	<b>37</b>	<b>239</b>	<b>0</b>	<b>239</b>
<b>b) Fruits</b>										

Training and Pruning	1	15	0	15	5	0	5	20	0	20
Total (b)	1	15	0	15	5	0	5	20	0	20
<b>c) Ornamental Plants</b>										
<b>Total ( c)</b>	0	0	0	0	0	0	0	0	0	0
<b>d) Plantation crops</b>										
Production and Management technology	1	15	0	15	0	0	0	15	0	15
<b>Total (d)</b>	1	15	0	15	0	0	0	15	0	15
<b>e) Tuber crops</b>										
Production and Management technology	2	30	0	30	10	0	10	40	0	40
<b>Total (e)</b>	2	30	0	30	10	0	10	40	0	40
<b>f) Spices</b>										
<b>Total (f)</b>	0	0	0	0	0	0	0	0	0	0
<b>g) Medicinal and Aromatic Plants</b>										
<b>GT (a-g)</b>	<b>16</b>	<b>262</b>	<b>0</b>	<b>262</b>	<b>52</b>	<b>0</b>	<b>52</b>	<b>314</b>	<b>0</b>	<b>314</b>
<b>III Soil Health and Fertility Management</b>										
Soil fertility management	4	55	0	55	20	0	20	75	0	75
Integrated Nutrient Management	2	30	0	30	10	0	10	40	0	40
Micro nutrient deficiency in crops	2	30	0	30	10	0	10	40	0	40
Nutrient Use Efficiency	2	30	0	30	15	0	15	45	0	45
Balance use of fertilizers	1	15	0	15	5	0	5	20	0	20
Soil and Water Testing	3	45	0	45	30	0	30	75	0	75
Others	2	45	0	45	20	0	20	65	0	65
<b>Total</b>	<b>16</b>	<b>250</b>	<b>0</b>	<b>250</b>	<b>110</b>	<b>0</b>	<b>110</b>	<b>360</b>	<b>0</b>	<b>360</b>
<b>IV Livestock Production and Management</b>										
Dairy Management	2	35	0	35	5	0	5	40	0	40
Poultry Management	2	40	0	40	5	0	5	45	0	45
Piggery Management	2	35	0	35	5	0	5	40	0	40
Rabbit Management	2	35	0	35	5	0	5	40	0	40
Animal Nutrition Management	2	30	0	30	20	0	20	50	0	50
Disease Management	2	25	0	25	15	5	20	40	5	45
Feed & fodder technology	2	35	0	35	15	0	15	50	0	50
Production of quality animal products	2	25	0	25	20	0	20	45	0	45
Others	1	20	0	20	0	0	0	20	0	20
<b>Total</b>	<b>17</b>	<b>280</b>	<b>0</b>	<b>280</b>	<b>90</b>	<b>5</b>	<b>95</b>	<b>370</b>	<b>5</b>	<b>375</b>
<b>V Home Science/Women empowerment</b>										
Household food security by kitchen gardening and nutrition gardening	4	0	60	60	0	18	18	0	78	78
Design and development of low/minimum cost diet	2	0	30	30	0	10	10	0	40	40
Designing and development for	2	0	30	30	0	9	9	0	39	39

high nutrient efficiency diet										
Minimization of nutrient loss in processing	2	0	35	35	0	5	5	0	40	40
Processing and cooking	2	0	30	30	0	9	9	0	39	39
Gender mainstreaming through SHGs	2	0	30	30	0	10	10	0	40	40
Storage loss minimization techniques	1	0	15	15	0	5	5	0	20	20
Value addition	1	0	15	15	0	5	5	0	20	20
Women empowerment	1	0	15	15	0	5	5	0	20	20
Location specific drudgery reduction technologies	1	0	15	15	0	5	5	0	20	20
<b>Total</b>	<b>18</b>	<b>0</b>	<b>275</b>	<b>275</b>	<b>0</b>	<b>81</b>	<b>81</b>	<b>0</b>	<b>356</b>	<b>356</b>
<b>VI Agril. Engineering</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VII Plant Protection</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VIII Fisheries</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IX Production of Inputs at site</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>X Capacity Building and Group Dynamics</b>										
Leadership development	5	80	0	80	22	0	22	102	0	102
Group dynamics	2	30	0	30	10	0	10	40	0	40
Formation and Management of SHGs	2	35	0	35	7	0	7	42	0	42
Mobilization of social capital	2	30	0	30	10	0	10	40	0	40
Entrepreneurial development of farmers/youths	2	30	0	30	9	0	9	39	0	39
WTO and IPR issues	2	30	0	30	9	0	9	39	0	39
Others	2	30	0	30	8	0	8	38	0	38
<b>Total</b>	<b>17</b>	<b>265</b>	<b>0</b>	<b>265</b>	<b>75</b>	<b>0</b>	<b>75</b>	<b>340</b>	<b>0</b>	<b>340</b>
<b>XI Agro-forestry</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GRAND TOTAL</b>	<b>100</b>	<b>1297</b>	<b>275</b>	<b>1572</b>	<b>427</b>	<b>86</b>	<b>513</b>	<b>1724</b>	<b>361</b>	<b>2085</b>

## DETAILS OF TRAINING PROGRAMMES

Annexure I

### i) Farmers & Farm women I. CROP PRODUCTION

Month/Date	Clientele	Title of the training programme	Duration (Days)	Venue (Off/ On Campuses)	Number of participants			Number of SC/ST		
					M	F	Total	M	F	Total
January	3 PF	Weed control in late sown Wheat.	1	On	10	-	10	5	-	5
February	12 PF	Varieties, seed treatment and fertilizer management in Zaid Bajra.	1	On	15	-	15	5	-	5

March	3	PF	Harvesting, threshing and storage of Barley and Wheat.	1	On	15	-	15	5	-	5
April	21	PF	Cultivation of new varieties Moong and Urd and use of liquid fertilizers NPK, ZSB and PSB.	1	On	15	-	15	5	-	5
June	4	PF	Cultivation of Bajra - New Hybrid varieties with use of balanced fertilizer sulphur & zinc.	1	On	15	-	15	5	-	5
August	16	PF	Weed management in Kharif season crops.	1	On	15	-	15	5	-	5
September	11	PF	New varieties of Rabi crops Mustard, balanced dose of fertilizers and use of sulphur & zinc.	1	On	15	-	15	5	-	5
November	20	PF	New varieties of Wheat their fertilizer management in relation to late sown condition.	1	On	15	-	15	5	-	5
December	4	PF	Weed control in timely sown Wheat.	1	Off	15	-	15	10	-	10
February	12	PF	Varieties, seed treatment and fertilizer management in Zaid Bajra.	1	Off	15	-	15	5	-	5
March	3	PF	Harvesting, threshing and storage of Barley and Wheat.	1	Off	15	-	15	5	-	5
July	10	PF	New varieties, seed treatment and fertilizer management for Bajra	1	Off	10	-	10	10	-	10
September	10	PF	Cultivation of Mustard use of balanced fertilizers with Sulphur and Zn.	1	Off	15	-	15	5	-	5
October	20	PF	New release varieties & seed treatment in Wheat and Barley.	1	Off	15	-	15	5	-	5
November	12	PF	New release varieties & seed treatment in Wheat.	1	Off	15	-	15	10	-	10
December	10	PF	New varieties of Wheat & seed treatment in late sown condition.	1	Off	15	-	15	5	-	5

## II. HORTICULTURE

Months/ Date	Cientele	Title of the training programme	Duration (Days)	Venu e (Off/ On Camp us)	Number of participants			Number of SC/ST			
					M	F	Total	M	F	Total	
January	7	PF	Cultivation of Bhindi in zaid season.	1	On	15	-	15	5	-	5
February	1 2	PF	Cultivation of Gwar and Lobia.	1	On	15	-	15	5	-	5
March	6	PF	Production technology of Tuberose.	1	On	10	-	10	5	-	5
May	8	PF	Rejuvenation of Beal & Guava orchards.	1	On	15	-	15	2	-	2
July	1 6	PF	Nursery raising of vegetable crops- Chili, Capsicum, Cauliflower and Cabbage.	1	On	15	-	15	5	-	5
October	6	PF	Cultivation of Potato crop.	1	On	20	-	20	5	-	5
November	1 1	PF	Transplanting and fertilizer management of late varieties of cauliflower and Tomato.	1	On	15	-	15	5	-	5
December	1 7	PF	Early Nursery raising of Cucurbitaceous crop-Bottle gourd, Cucumber and Round-gourd under	1	On	15	-	15	5	-	5

			low tunnel poly house.								
February	1 2	PF	Cultivation of Bhindi in Zaid season.	1	Off	1 5	-	15	5	-	5
March	5	PF	Fertilizer and weed management in cucurbitaceous crop.	1	Off	1 5	-	15	5	-	5
May	2 2	PF	Rejuvenation of old Ber and Guava orchards.	1	Off	1 5	-	15	5	-	5
June	5	PF	Early Nursery raising of crop Chili, Capsicum and Brinjal.	1	Off	1 5	-	15	5	-	5
September	6	PF	Early Nursery raising of vegetable crop-Cauliflower, Broccoli, Tomato and Cabbage.	1	Off	2 2	-	22	2	-	2
October	1 7	PF	Transplanting spacing, fertilizer and weed management of Cabbage, Broccoli and Tomato.	1	Off	2 0	-	20	-	-	-
November	1 9	PF	Cultivation of Sonf and Coriander for seed production.	1	Off	2 0	-	20	-	-	-
December	2 3	PF	Cultivation of Gladiolus.	1	Off	1 5	-	15	4	-	4

### III. SOIL SCIENCE

Month/Date	Cientele	Title of the training programme	Dura t. (Day s)	Venue (Off/ On Campu s)	Number of participants			Number of SC/ST			
					M	F	Total	M	F	Total	
January	5	PF	Compost preparation by Waste Decomposer.	1	On	15	-	15	5	-	5
February	10	PF	Compost preparation by Vermin-culture.	1	On	15	-	15	5	-	5
April	3	PF	Soil sampling techniques and its collection.	1	On	15	-	15	10	-	10
May	10	PF	Soil sampling techniques and its collection.	1	On	15	-	15	10	-	10
June	20	PF	Use of Gypsum and Dencha for soil health improvement.	1	On	15	-	15	5	-	5
June	3	PF	Use of saline water in Agriculture.	1	On	15	-	15	10	-	10
July	16	PF	INM in Til and Bajra.	1	On	15	-	15	10	-	10
September	7	PF	Use of sulphur in Mustard under moisture stress condition.	1	On	15	-	15	5	-	5
January	3	PF	Use of liquid fertilizers and benefits.	1	Off	10	-	10	5	-	5
February	10	PF	Compost preparation by Vermin-culture.	1	Off	15	-	15	5	-	5
May	12	PF	Soil sampling techniques and its collection.	1	Off	15	-	15	5	-	5
June	10	PF	Cultivation of Dhencha for green manuring.	1	Off	15	-	15	10	-	10
July	15	PF	Techniques of water harvesting.	1	Off	15	-	15	5	-	5
August	20	PF	Training on soil and water conservation.								
September	12	PF	Use of sulphur in Mustard in dry land condition.	1	Off	15	-	15	10	-	10
November	20	PF	Use of zinc sulphate in Wheat under saline water conditions.	1	Off	15	-	15	5	-	5
December	12	PF	Use of balance fertilizers in late sown Wheat	1	Off	15	-	15	5	-	5

### IV. LIVESTOCK PRODUCTION

Month/ Date	Clientele	Title of the training programme	Durat. (Days)	Venue (Off/ On Campu s)	Number of participants			Number of SC/ST		
					M	F	T	M	F	T
Jan 22	PF	An-estrus management in dairy animals	1	On	20	-	20	-	-	-
Feb. 5	PF	Diagnosis of mastitis problem in udder	1	On	10	5	15	5	-	5
Feb. 16	PF	Prevention and vaccination of animals from FMD.	1	On	15	-	15	5	-	5
March 10	PF	Multicut fodder Production in Summer.	1	On	15	-	15	5	-	5
May 8	FW	Management and vaccination in goats	1	On	5	10	15	-	1	15
July 15	PF/FW	Balance feeding and management of pregnant buffaloes/Cows.	1	On	10	5	15	5	-	5
Nov. 17	PF/FW	Control of liver fluke and feeding management of goats in winter	1	On	10	10	20	5	5	10
Dec. 17	PF/FW	PPR vaccination in goat and sheep	1	On	10	10	20	5	5	10
April 5	PF	Balance green fodder production in summer season	1	Off	15	-	15	5	-	5
May 3	PF/FW	Management of milch animals in summer	1	Off	10	10	20	5	-	5
May 25	PF/FW	Proper time of HS vaccination.	1	Off	15	-	15	5	-	5
June 17	PF/FW	Control of ecto & endoparasites in Goats	1	Off	10	5	15	5	-	5
July 19	PF/FW	Importance of mineral feeding to pregnant dairy animals.	1	Off	10	5	15	5	-	5
Sept. 18	PF/FW	Back yard poultry production	1	Off	10	5	15	5	5	10
Oct. 4	PF/FW	Mineral mixture feeding in dairy animals	1	Off	15	-	15	-	-	-
Oct. 15	PF	Balance green fodder production in Rabi season	1	Off	15	-	15	5	-	5
Dec. 17	PF/FW	PPR vaccination in goat and sheep	1	Off	10	10	20	5	5	10

#### V. AGRICULTURE EXTENSION

Month/ Date	Clientele	Title of the training programme	Durat. (Days)	Venue (Off/ On Campu s)	Number of participants			Number of SC/ST		
					M	F	Total	M	F	Total
January	3 PF	Source and procedures for purchasing of quality agricultural inputs.	1	On	20	-	20	5	-	5
February	12 PF	Recent agricultural technologies and its profitability.	1	On	15	-	15	3	-	3
March	3 PF	Different rural development programmes- Information network.	1	On	15	-	15	5	-	5
April	25 PF	Farmer producer organization and its importance.	1	On	15	-	15	5	-	5
June	3 PF	Establishment and strengthening of farmers club	1	On	20	-	20	5	-	5
July	12 PF	Use of mass media for information on improved agro techniques.	1	On	15	-	15	3	-	3
August	3 PF	Leadership development for SHG/farmers club.	1	On	15	-	15	5	-	5
Sept	4 PF	Use of ICT in agricultural & Rural development	1	On	15	-	15	4	-	4
Dec	7 PF	PRA techniques (Data collection through PRA).	1	On	15	-	15	4	-	4
January	2 PF	Leadership development for SHG/farmers club.	1	Off	15	-	15	5	-	5
February	10 PF	Use of ICT in agricultural & Rural development.	1	Off	15	-	15	4	-	4

y											
March	5	PF	Management of SHGs/farmers club.	1	Off	15	-	15	5	-	5
April	28	PF	PRA techniques (Data collection through PRA)	1	Off	15	-	15	4	-	4
June	4	PF	Entrepreneurship development of farm youth (Agricultural based small scale industries).	1	Off	15	-	15	5	-	5
August	6	PF	Establishment and strengthening of farmers club.	1	Off	15	-	15	4	-	4
Sept	5	PF	Use of mass media for information on improved agro techniques.	1	Off	15	-	15	5	-	5
Oct	20	PF	Leadership development for SHG/farmers club	1	Off	15	-	15	4	-	4

## VI. HOME SCIENCE

Month/ Date	Clientele	Title of the training programme	Durat · (Days )	Venue (Off/ On Campu s)	Number of participants			Number of SC/ST		
					M	F	Total	M	F	Total
January	3 F W	Mixed Pickles makings.	4	On	-	20	20	-	5	5
Februar y	4 F W	Layout & Management of Nutritional –garden.	2	On	-	15	15	-	4	4
March	21 F W	Self-care of women & child.	1	On	-	15	15	-	5	5
April	20 F W/ RY	Production & Management in Vermi-compost for income generation.	1	On	-	15	15	0	0	0
May	25 RY	Layout & Management of Nutritional –garden.	1	On	-	15	15	-	5	5
June	25 RY	Preparation of jam /jelly / Sousse / Pickles.	1	On	-	15	15	-	5	5
July	10 R W/ RY	Embroidery making (different types).	1	On	-	15	15	-	5	5
August	20 F W	Preservation technique fruits & vegetable.	1	On	-	15	15	-	5	5
Septem ber	10 F W	Layout & Management of Nutritional –garden.	1	On	-	15	15	-	5	5
Septem ber	25 F W	Balance diet for pregnant & lactating womens.	1	On	-	15	15	-	5	5
Novemb er	20 FY	Masala preparation.	2	On	-	15	15	-	5	5
Decemb er	20 F W	Use of Milk & preparation of milk Products.	1	On	-	15	15	-	5	5
Februar y	4 F W	Layout & Management of Nutritional –garden	1	Off	-	15	15	-	4	4
May	25 RY	Layout & Management of Nutritional –garden.	1	Off	-	15	15	-	5	5
July	10 R W/ RY	Embroidery making (different types).	1	Off	-	15	15	-	4	5
Septem ber	10 F W	Layout & Management of Nutritional –garden.	1	Off	-	15	15	-	5	4
Septem ber	25 F W	Balance diet for pregnancy of lactating women.	1	Off	-	15	15	-	4	5
Decemb er	20 F W	Use of Milk & preparation of milk Products.	1	Off	-	15	15	-	5	4

Annexure II



### Vocational training programmes for Rural Youth

Crop Enterprise	Identified Thrust area	Training title	Duration (Days)	No. of Participants			SC/ST participants		
				M	F	Total	M	F	Total
Crop Production	Seed Production	Mustard seed production techniques	4 (Sept15-18)	15	-	15	-	5	5
Soil Science	Soil Sampling	Method of Soil Sampling & its testing	4 (May-15-18)	15	-	15	5	-	5
Crop Production	Seed Production	Wheat seed production techniques	4 (Oct-15-18)	15	-	15	5	-	5
Livestock Production	Parabadic Sahayak/NGO Ext Worker etc.	Clean milk production and its importance	4 (Mar. 4-7 Mar.)	20	-	20	5	-	5
Agriculture Extension	NGO workers/FPO	Farmer producer organization and its importance	4 (Sept15-18)	15	-	15	-	5	5
Agriculture Extension	Agriculture based small scale industries	Entrepreneurship development of farm youth (Agricultural based small scale industries)	4 (May-15-18)	15	-	15	5	-	5
Horticulture	Seed Production	Cultivation of Potato for seed production	4	15	-	15	5	-	5
		Varieties, seed treatment, sowing method, fertilizer use and irrigation	(Oct.4-5)						
		Removal of green plant and plant protection	(Jan.- 19)						
		Harvesting, grading and storage	(Feb. -1)						
Horticulture	Condiments	Seed production of Coriander and Sonf	(Sept19-20) 2	12	-	12	5	-	5
Home Science	Kitchen Garden	Layout & Management of Nutritional Kitchen-garden.	(Feb.- 10-13) 4	-	12	12	-	3	3

### Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration (Days)	Number of participants			Number of SC/ST		
				M	F	Total	M	F	Total
Jan & Feb	Kisan Sahayak	IPM in crops	1	15	-	15	-	-	-
Feb.	Kisan Sahayak	Productivity enhancement of field crops	1	20	-	20	-	-	-
Feb.	Parabadic Sahayak/NGO Ext Worker etc.	Clean milk production and its importance	1	20	-	20	5	-	5
May/June	Kisan Sahayak	Soil Testing	1	20	-	20	-	-	-
Sept.	Staff of Dept. of Horticulture	Seed production of Potato.	2	20	-	20	-	-	-
Oct.	Kisan Sahayak	INM in crops	1	15	-	15	-	-	-
Oct.	Kisan Sahayak	Recent agricultural technologies and its profitability.	1	15	-	15	-	-	-
Nov/Dec	Kisan Sahayak	Use of ICT in agricultural &	1	20	-	20	-	-	-

		Rural development							
September	Aganwadi Worker	Layout & Management of Nutritional Kitchen–garden.	2	-	50	50	-	10	10

**Annexure III**

**Details of the Skill/Training Programme of 32 Hours duration and above duration in 2022**

Crop Production		
1.	<b>Name of the scheme/ Programme</b>	<b>Seed production techniques in different Cereal/Oil Seed crops</b>
2.	<b>Sub Component having provision of skill/training to farmers/farm women/rural youths</b>	1. Selection of Varieties 2. Seed treatment 3. Sowing methods 4. Placement of fertilizers on soil testing bases 5. Different pesticides/ weedicides 6. Use of liquid fertilizers 7. Control of insects/pests
3.	<b>Duration of training</b>	Four days
4.	<b>Target groups Rural youths/farmers and farm women</b>	Rural youths/farmers /Students of M.Sc. Ag (Agronomy)
5.	<b>Place of training</b>	Two days at selected villages and two days at KVK
6.	<b>Agency who conducts trg. Programme</b>	KVK, Bichpuri, Agra
7.	<b>Cost per trainees</b>	As per sanction by the Director, ATARI
8.	<b>Weather training programme is continuous or discrete manner Spread over Whole crop season)</b>	Continuous
9.	<b>Weather any certificate is issued after completion of training programme If Yes, agency which issues certificate</b>	As per demand
10.	<b>Weather training programme is linked with employment or placement of trainees</b>	Yes Employment/Placement
11.	<b>Target</b>	25

**Horticulture**

1.	<b>Name of the scheme/ Programme</b>	<b>Early Nursery raising of vegetables in low tunnels poly houses/pro tray</b>
2.	<b>Sub Component having provision of skill/training to farmers//rural youths</b>	Quality seed of vegetables Vegetable seed and soil treatment Nursery raising at raised seed beds Construction of poly house and low tunnels poly house
3.	<b>Duration of training</b>	Four days
4.	<b>Target groups Rural youths/farmers and farm women</b>	Rural youths/farmers Students B.Sc./ M.Sc. Ag
5.	<b>Place of training</b>	Two days at selected villages and two days at KVK
6.	<b>Agency who conducts trg. Programme</b>	KVK, Bichpuri, Agra
7.	<b>Cost per trainees</b>	As per sanction by the ZPD
8.	<b>Weather training programme is continuous or discrete manner (Spread over Whole crop season)</b>	Continuous
9.	<b>Weather any certificate is issued after completion of training programme If Yes, agency which issues certificate</b>	As per demand
10.	<b>Weather training programme is linked</b>	Yes Employment/Placement

	with employment or placement of trainees	
11	Target	25

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Soil Science		
1.	Name of the scheme/ Programme	Soil sample testing and methods of analysis for macro and micronutrients
2.	Sub Component having provision of skill/training to farmers/farm women/rural youths	Techniques of collection of samples Preparation of samples Knowledge of Soil testing kit Analysis of macro-nutrients Analysis of micro-nutrients
3.	Duration of training	Four days
4.	Target groups Rural youths/farmers and farm women	Rural youths/ Students of B.Sc.Ag./M.Sc. Ag (Soil Science)
5.	Place of training	Two days at selected villages and two days at KVK
6.	Agency who conducts trg. Programme	KVK, Bichpuri, Agra
7.	Cost per trainees	As per sanction by the Director, ATARI
8.	Weather training programme is continuous or discrete manner (Spread over Whole crop season)	Continuous
9.	Weather any certificate is issued after completion of training programme If Yes, agency which issues certificate	As per demand
10.	Weather training programme is linked with employment or placement of trainees	Yes Employment/Placement
11.	Target	25

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Animal Science and Dairying		
1.	Name of the scheme/ Programme	Back yard poultry production
2.	Sub Component having provision of skill/training to farmers/farm women/rural youths	Knowledge about indigenous varieties Poultry feed production and management Vaccination and other diseases management Broiler production Marketing of broiler and eggs.
3.	Duration of training	Four days
4.	Target groups Rural youths/farmers and farm women	Rural youths/farmers Students of B.Sc. Ag./ M.Sc. Ag
5.	Place of training	Two days at selected villages and two days at KVK
6.	Agency who conducts trg. Programme	KVK, Bichpuri, Agra
7.	Cost per trainees	As per sanction by the Director, ATARI
8.	Weather training programme is continuous or discrete manner (Spread over Whole crop season)	Continuous
9.	Weather any certificate is issued after completion of training programme If Yes, agency which issues certificate	As per demand
10.	Weather training programme is	Employment/Placement

	<b>linked with employment or placement of trainees</b>	
<b>11.</b>	<b>Target</b>	25
<b>Agriculture Extension</b>		
<b>1.</b>	Name of the scheme/ Programme	Entrepreneurship development of farm youth (Agricultural based small scale industries)
<b>2.</b>	Sub Component having provision of skill/training to farmers/farm women/rural youths	<ol style="list-style-type: none"> <li>1. Entrepreneur: Meaning, definition etc.</li> <li>2. Concept of entrepreneurship.</li> <li>3. Characteristics of Indian Agricultural Processing and Export Industry.</li> <li>4. SWOT analysis.</li> <li>5. Government schemes and incentives.</li> <li>6. Market survey.</li> <li>7. Communication Skills.</li> <li>8. Writing Skill.</li> </ol>
<b>3.</b>	Duration of training	Four days
<b>4.</b>	Target groups Rural youths/farmers and farm women	Rural youths/farmers /Students of M.Sc. Ag
<b>5.</b>	Place of training	At KVK
<b>6.</b>	Agency who conducts trg. Programme	KVK, Bichpuri, Agra
<b>7.</b>	Cost per trainees	As per sanction by the Director, ATARI
<b>8.</b>	Weather training programme is continuous or discrete manner Spread over Whole crop season)	Continuous
<b>9.</b>	Weather any certificate is issued after completion of training programme If Yes, agency which issues certificate	As per demand
<b>10.</b>	Weather training programme is linked with employment or placement of trainees	Yes Self Employment/Placement
<b>11.</b>	Target	25

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<b>Home Science</b>		
<b>1.</b>	Name of the scheme/ Programme	Skill Development
<b>2.</b>	Sub Component having provision of skill/training to farmers/farm women/rural youths	<ol style="list-style-type: none"> <li>1. Training on Kitchen Garden</li> <li>2. Preparation of pickles</li> <li>3. Preparation of Jam and Jelly.</li> <li>4. Preparation of nutritive food items.</li> <li>5. Use of waste material</li> </ol>
<b>3.</b>	Duration of training	Four days
<b>4.</b>	Target groups Rural youths/farmers and farm women	Rural youths/farmers /Students of M.Sc. Ag
<b>5.</b>	Place of training	At KVK
<b>6.</b>	Agency who conducts trg. Programme	KVK, Bichpuri, Agra
<b>7.</b>	Cost per trainees	As per sanction by the Director, ATARI
<b>8.</b>	Weather training programme is continuous or discrete manner Spread over Whole crop season)	Continuous
<b>9.</b>	Weather any certificate is issued after completion of training programme If Yes, agency which issues certificate	As per demand
<b>10.</b>	Weather training programme is linked with employment or placement of trainees	Yes Self Employment/Placement
<b>11.</b>	Target	25

### 3.4 Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of Activities	Farmers			Extension Officials			Total		
		M	F	Total	M	F	Total	M	F	Total
Kisan Ghosthi	As per demand									
Lectures delivered as resource persons	As per demand	-	-	-	-	-	-	-	-	-
Newspaper coverage		-	-	-	-	-	-	-	-	-
Radio talks	As per demand	-	-	-	-	-	-	-	-	-
TV talks	As per demand	-	-	-	-	-	-	-	-	-
Advisory Services	As per demand	-	-	-	-	-	-	-	-	-
Soil health Camp	As per demand	-	-	-	-	-	-	-	-	-
<b>Total</b>										

### 3.5 Target for Production and supply of Technological products

#### Seed Materials

Sl. No.	Crop	Variety	Quantity (Q)
CEREALS	Wheat	As per availability of seed variety	200
OILSEEDS	Mustard	As per availability of seed variety	30

#### Planting Materials

Sl. No.	Crop	Variety	Quantity (Nos.)
SPICES	-	-	-
VEGETABLES	Brinjal	Hybrid	4000
	Cauliflower	Hybrid	3000
	Tomato	Hybrid	4000
	Cabbage	Hybrid	3000
	Onion	Hybrid	5000
ORNAMENTAL CROPS			

### 3.6. Literature to be Developed/Published

(A) KVK News Letter ((Date of start, Periodicity, number of copies to be published etc.)

#### (B) Literature developed/published

Item	Number of copies
Research Papers	2
Technical Reports	4
Technical bulletins	1
Popular articles	12
<b>TOTAL</b>	<b>23</b>

#### (C) Details of Electronic Media to be produced

S.No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	CD	Progress Report and Action Plan SAC (Two)	2
			2

### 3.7. Success stories/Case studies identified for development as a case.

### 3.8 Indicate the specific training need analysis tools/methodology followed for-

Identification of courses for farmers/farm women Rural Youth In-service-PRA/Personal

Discussion

### 3.9 Indicate the methodology for identifying OFTs/FLDs

**For OFT :**

- i) PRA ii) Problem identified from Matrix  
iii) Field level observations iv) Farmer group discussions  
v) Others if any

**For FLD :**

- i) New variety/technology ii) Poor yield at farmers level  
ii) Existing cropping system iv) Others if any

### 3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year) -  
ii. No. of farm families selected per village :  
iii. No. of survey/PRA conducted :  
iv. No. of technologies taken to the adopted villages  
v. Name of the technologies found suitable by the farmers of the adopted villages:  
vi. Impact (production, income, employment and area/technological– horizontal/vertical)  
ii. Constraints if any in the continued application of these improved technologies

S. No.	Name of Village	Name of Block
1.	Bah Soniga, Aurangpur, Sale Nagar, Baruer, Chandi	Kheragarh
2.	Nagla Mansha	Achhenera
3.	Laramda	Bichpuri
4.	Nagariya Ninwaya, Ninwaha, Jajau, Arhera, Noorpur	Fathepur Sikri

### 3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab - **Established.**

1. Year of establishment: 2012

### 3.12. Targets of samples for analysis: 1000 sample

#### 4.0 LINKAGES

#### 4.1 Functional linkage with different organizations

Participated/ take co-operation of all the State Departments/ NGOs/Educational Institutes/ Research Institutes/Other Organizations working in progress in Agriculture and allied in Agra District

#### 4.3 Details of linkage with ATMA

Is ATMA implemented in your district - **Yes**

Participated in all programmes of ATMA

#### 4.3 Give details of programmes under National Horticultural Mission

Participated in all programmes of Horticulture Mission As per demand

#### 4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		

#### 5.0 Utilization of hostel facilities- Not applicable

#### 6.0 Convergence with departments:

#### 7.0 Feedback of the farmers about the technologies demonstrated and assessed :

#### 8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities



## Krishi Vigyan Kendra - Chitrakoot (U.P.)

### 1. GENERAL INFORMATION ABOUT THE KVK

#### 1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail	Website
	Office	FAX		
Tulsi Krishi Vigyan Kendra, Deendayal Research Institute, Ganivan, Chitrakoot-210 206 (UP)			<a href="mailto:kvkchitrakoot1992@gmail.com">kvkchitrakoot1992@gmail.com</a> ,  <a href="mailto:kvkchitrakoot@dri.org.in">kvkchitrakoot@dri.org.in</a>	www.Chitrakoot.kvk4.in

#### 1.2 .a. Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail	Website
	Office	FAX		
Deendayal Research Institute, 7-E Swami Ramtirath Nagar, Rani Jhanshi Marg, New Delhi-110 055	011-23524555	011-23552812	dridelhi@rediffmail.com <a href="mailto:dridelhi1@gmail.com">dridelhi1@gmail.com</a> , <a href="mailto:dridelhi@dri.org.in">dridelhi@dri.org.in</a>	<a href="http://www.drichitrakoot.org.in">www.drichitrakoot.org.in</a>

1.2.b. Status of KVK website : Yes

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : Website started on 1<sup>st</sup> Nov. 2015



1.2.d Status of ICT lab at your KVK : Not established

#### 1.3. Name of the Programme Coordinator with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Chandramani Tripathi	-	8208873126	cmt.kvk@gmail.com






1.4. Year of sanction: March 1992

1.5. Staff Position (as on 30 June 2020)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent/Temporary	SC/ST/OBC/Other	Mobile No.	Email id	Please attach recent photo
1	Sr. Scientist & Head	Dr. Chandramani Tripathi	Sr. Scientist & Head	Soil Science	3740-6700	9000	60600	17.08.2018	Permanent	Others	8208873126	cmt.kvk@gmail.com	
2	Subject Matter	Smt. Mamta Tripathi	SM S	Home Sc.	1560-3910	5400	81720	17.08.2018	Permanent	Others	9421351584	mct.kvk@gmail.com	



Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	ent /Temporary	(SC/ST/OBC/OT)	Mobile No.	Email id	Please attach recent
	Specialist												
3	Subject Matter Specialist	Sh. Kamla Shankar Shukla	SM S	Fisheries	15600-39100	5400	71260	01.11.2011	“	Others	9450220931	kvkshukla2009@rediffmail.com	
4	Subject Matter Specialist	Sh. V.K. Gautam	SM S	Agronomy	15600-39100	5400	69230	01.11.2011	“	“	9451092182	<a href="mailto:gautamvk1966@gmail.com">gautamvk1966@gmail.com</a>	
5	Subject Matter Specialist	Dr. Govind Kumar Verma	SM S	Animal Science	15600-39100	5400	69230	01.11.2011	“	OBC	9452870276	<a href="mailto:gkv4163@gmail.com">gkv4163@gmail.com</a>	
6	Subject Matter Specialist	Sri PS Dixit	SM S	Horticulture	15600-39100	5400	54000	01.04.2022	“	Others	9598787195	ipushpendrasingh@hotmail.com	
7	Subject Matter Specialist	Sh Alok Kumar	P.A.	AV Aids	9300-34800	4200	68000	13.5.1996	“	Others	9450221024		
8	Accountant / Superintendent	Sh. Jag Bhan Singh	OS	Office	9300-34800	4200	62140	01.04.1995	“	Others	9450223636	<a href="mailto:jagbhan2015@gmail.com">jagbhan2015@gmail.com</a>	
9	Stenographer	Sh Kamlesh Malviya	Steno	Office	5200-20200	2400	46160	01.10.1993	“	Others	9450223500	<a href="mailto:malviyas@rediffmail.com">malviyas@rediffmail.com</a>	
10	Driver	Sh. Mukund Lal Rawat	Jeep Driver	Office	5200-20200	1900	36020	01.10.1994	“	OBC	9451850542		

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	ent /Temporary	(SC/ST/OBC/OT)	Mobile No.	Email id	Please attach recent
11	Driver	Sh. Nanka Prasad	Tractor Driver	Office	5200 - 20200	1900	36020	01.10.1994	“	“	7388931737		
12	Supporting staff	Sh. R.P. Yadav	Attendant	Agronomy	5200 - 20200	1800	29730	01.10.94	“	“	7408318882		
13	Supporting staff	Sh.R.K. Patel	Attendant	Ani. Sc.	5200 - 20200	1800	29730	01.10.94	“	“	9454962493		
14	Supporting staff	Sh. S.C. Yadav	Attendant	Extension	5200 - 20200	1800	29730	26.07.1996	“	OBC	9685538709		
15	Supporting staff	Sh. Arjun Singh	Attendant	Office	5200 - 20200	1800	25680	01.10.1995	“	Others	8953120199		

**1.6. Total land with KVK (in ha) : 19.65**

S. No.	Item	Area (ha)
1	Under Buildings	01.06
2.	Under Demonstration Units	01.59
3.	Under Crops	10.00
4.	Horticulture	05.00
5.	Pond	02.00

**1.7. Infrastructural Development:**

**A) Buildings**

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	1997	400	3491517	-	-	Functioning
2.	Farmers Hostel	ICAR		250		-	-	Functioning

3.	Staff Quarters (6)	ICAR	2008	400	3173875	2004	400	Occupied
4.	Demonstration Units (2)	ICAR	Cow shed-1998 Buff. Shed 2007	-	290870 372808	-	-	Functioning
5	Fencing	-	-	-	-	-	-	
6	Rain Water harvesting system	ICAR	2007	-	1000000	-	-	Functioning
7	Threshing floor	ICAR	2001	110	72553	-	-	Functioning
8	Farm godown	-	-	-	-	-	-	Functioning
9	FRP Hatchery	ICAR	2010	-	150000	-	-	Functional

### B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status	Required replacement
Bolero Jeep	2009	620000	248777	Poor	Yes
M. Cycle	2005	30500	20160	Useless	Yes
Tractor	2003	328922	8615 hr.	Poor	Yes

### C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Incubator	1999	4800	Good
Physical balance	1999	1100	Good
Computer	2002	73500	Damage
Tally	2002	18486	Expired
Jheldhal digestion and distillation unit	2005	28500	Good
Shaker	2005	21800	Good
Hot plate circular with energy regulator	2005	3200	Good
Grinder	2005	8500	Good
Distillation unit	2005	70195	Good
Electronic relay unit	2005	5014	Good
Physical balance (digital)	2005	4655	Not working
Chemical balance	2005	69867	Not working
Oven	2005	11400	Good
Spectrophotometer	2005	56899	Good
Flam photo meter	2005	38283	Good
PH meter	2005	11855	Good
TDS meter	2005	17728	Good
AAS	2005	496808	Good
Acetylene gas regulator	2005	13865	Good
Air compressor	2005	3755	Good

Acetylene gas cylinder	2005	23140	Good
Computer	2005	31180	Good
Lap top	2006	53500	Good
Fax machine	2007	9450	Not working
Video camera	2007	29215	Good
Ahuja unit	1994	1100	Not working
Mike	1994	1920	Not working
Horne	1994	600	Not working
Stand	1994	600	Not working
Cassette amplifier	1994	2800	Non working
Camera	1994	6900	Non working
T.V.	1994	17500	Poor in condition
VCR	1994	15991	Non working
Stabilizer	1994	1150	Good
Booster	1995	450	Non working
OHP	1995	8500	Not working
Slide Projector	1995	7800	Not working
LCD	2005	79040	Poor condition
Laminar Air Flow	2010	94122	Good
Seed Germinator	2010	127239	Good
Muffle furnace	2010	33291	Good
Centrifuge Machine	2010	13067	Good
Magnetic Stirrer	2010	4389	Good
Binocular Research Microscope	2010	185535	Good
Purification System	2010	273420	Good
Digital Camera (Nikon)	2013	9950	Good
Hand sprayer	2013	400	Good
Electric balance	2016	1830	Good
Counter balance	2016	650	Good
Pearl culture surgical kit	2016	16800	Good
Cradles mice	2016	3300	Good
Mike	2016	700	Good
Soil testing kit	2017	160600	Good
Aerator Paddle wheel	2017	25000	Good
Kiosk	2017	137000	Good
Pond aerator	2017	25000	New
LED projector (Dell)	2019	22000	New
LED TV (Sony)	2019	52000	New

### 1.8. A). Details of SAC meetings to be conducted in the year

Sl.No.		Date
1.	Scientific Advisory Committee	15.02.2023, 27.09.2023

## 2. DETAILS OF DISTRICT

### 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1	Rain fed – Crops + Animals +Agro – forestry
2	Irrigated – Crops +Vegetables + Animals + Orchards
3	River Side - Crops + Animals + Vegetables

## 2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

### a) Soil type

Sl.	Agro-climatic Zone	Characteristics
	Bundelkhand Zone	
1	Clay	Land are leveled, minimum irrigation facilities, fertile, black soils, crack in summer
2	Sandy Loam Soil (Parwa)	Soils have no irrigation facilities, medium in fertility, suitable for cereals and vegetables
3	Silty Clay (Kabar)	Soils are suitable for cultivation and orchards, fertile in nature.
4	Sandy (Rokar)	Poor in fertility, not suitable for cultivation, soils are found near the river and good for forest.

### b) Topography

S. No.	Agro ecological situation	Characteristics
1	Levelled Land	Called Marwa (heavy clay soil) suitable for pulses, rain fed condition
2	Undulating Rocky Land	Suitable for plant and forestry
3	River Side land	Suitable for vegetable and Arhar

## 2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Sandy (Rocker)	Undulated, low fertility	34000
2	Clay (Mar)	Levelled, Heavy Soils	15000
3	Silty Clay (Kabar)	Medium fertility, good for plantation	70000
4	Sandy Loam (Parwa)	Medium fertility	79340

## 2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (MT)	Productivity (q /ha)
1	Paddy	10215	22831	23.64
2	Sorghum	17144	26736	15.59
3	Pigeon pea	15815	22275	15.98
4	Bajra	9213	14359	15.59
5	Til	1225	91	0.074
6	Wheat	49779	164687	33.08
7	Barley	6709	15287	31.15
8	Mustard	3310	2801	9.51
9	Linseed	537	306	5.70
10	Gram	46218	58920	12.75
11	Lentil	19065	17139	8.99
12	Field pea	736	732	9.94

Source: District agriculture department.

## 2.5. Weather data Year 2022

Month	Rainfall (mm)	Rainy days	Dry spell	Temperature °C		Relative Humidity (%)
				Maximum	Minimum	
Jan.	107	6	0	25	4	100-29
Feb.	0	0	0	30	5	100-22
March	0	0	0	43	12	100-7
April	0	0	0	44.8	19	70-4

May	9.5	3	0	47.6	22.5	100-5
June	45.66	7	0	45.8	24.2	100-8
July	207.93	13	20	40.7	26	100-16
Aug	489.9	20	0	37.3	25	100-53
<b>Total</b>	<b>859.99</b>	<b>49</b>	<b>20</b>			

## 2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	3804	NA	NA
<i>Indigenous</i>	416969	NA	NA
<b>Buffalo</b>	162467	NA	NA
<b>Sheep</b>	16622	NA	NA
<b>Goats</b>	96395	NA	NA
<i>Crossbred</i>	511	NA	NA
<i>Indigenous</i>	5904	NA	NA
<b>Rabbits</b>	-	NA	NA
<b>Poultry</b>			
Hens	24571	NA	NA
<b>Category</b>		<b>Production (Q.)</b>	<b>Productivity</b>
Fish (Reservoir)	2375 (ha)	850	0.357

\*Statistical report

## 2.7 Details of Operational area / Villages

Sl. No	Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Karwi	Karwi	Lodhwara	Pigeon pea, Lentil	Old seed and Termite	Seed replacement and control of Termite
			Amiliha	Mixed cropping, Arhar, Chick pea, Green gram, Sesame, Animals	<ul style="list-style-type: none"> <li>• Old seed</li> <li>• No irrigation facility</li> <li>• Undulated topography</li> </ul>	Seed replacement
			Itraur	Wheat, Gram, Lentil, Sorghum, Arhar, Animals	Wilt in Pulses	Wilt control through Trichoderma
			Ranipur khaki	Wheat, Gram, Lentil, Sorghum, Arhar, Animals	Wilt in Pulses	Wilt control through Trichoderma
			Kalla	Wheat, Gram, Lentil, Sorghum, Arhar, Animals	Wilt in Pulses	Wilt control through Trichoderma
			Tarawan	Wheat, Gram, Lentil, Sorghum, Arhar, Animals	Wilt in Pulses	Wilt control through Trichoderma
2	Rajapur	Pahari	Babupur	Arhar + Jowar, Wheat, Gram, Lentil, Mustard	Wilt Problem	Wilt Control

			Anandpur	Arhar + Jowar, Rice – Wheat, Gram, Mustard	<ul style="list-style-type: none"> <li>• No irrigation facility</li> <li>• Undulated topography</li> <li>• Late sowing</li> </ul>	<ul style="list-style-type: none"> <li>• Seed treatment</li> <li>• Timely sowing</li> </ul>
			Budha Kandhvan iya Nonar Bachhran	Green gram, Arhar + Jowar, Gram, Mustard, Field pea	<ul style="list-style-type: none"> <li>• No irrigation facility</li> <li>• Undulated topography</li> <li>• Late sowing</li> </ul>	<ul style="list-style-type: none"> <li>• Seed treatment</li> <li>• Timely sowing</li> </ul>
3	Mau	Ram Nagar	Ghurehta, Chorha, Karondi, Nandin kurmiyan, Nonagar	Arhar+Jowar- Gram + Lentil, Field pea, Mustard	<ul style="list-style-type: none"> <li>• Old seed</li> <li>• No seed treatment</li> <li>• Termite infestation</li> </ul>	<ul style="list-style-type: none"> <li>• Seed Replacement</li> <li>• Use of bio-ferti.</li> <li>• Control of termite</li> </ul>
4	Manikpur	Manikpur	Magarhai	Arhar + jowar, Gram + Lentil, Animal, Sesame	<ul style="list-style-type: none"> <li>• Old seed</li> <li>• Imbalance ferti. Use</li> </ul>	<ul style="list-style-type: none"> <li>• Replacement of seed</li> <li>• INM</li> </ul>
			Dhan, Barhat	Mixed cropping, Arhar, Chick pea, Green gram, Sesame, Animals	<ul style="list-style-type: none"> <li>• Old seed</li> <li>• No irrigation facility</li> <li>• Undulated topography</li> </ul>	Seed replacement
			Gopipur, Karunha, Chheriha dandi, Dadi Kilan , Umri	Mixed cropping, Arhar, Chick pea, Green gram, Sesame, Animals	<ul style="list-style-type: none"> <li>• Old seed</li> <li>• No irrigation facility</li> <li>• Undulated topography</li> </ul>	Seed replacement

### 2.8 Priority thrust areas

- Need of latest short duration drought prone & disease resistant HYV.
- Organic farming for healthy & sustainable agriculture production.
- To promote diversified agriculture.
- Promotion of use of liquid fertilizer.
- Soil health card for all farmers
- Proper care and management of live stock for higher production.
- Breed up gradation in local animals
- To boost maximum production from natural pond, the KVK promote fish production through better management practices.
- To emphasize the use of small agricultural tools to protect our valuable crops.
- IGA for employment generating for rural youth.
- Nutritional Food security

- Storage loss minimization
- To popularize micro irrigation system in pulses.
- To emphasize the use of small agricultural tools to protect our valuable crops.
- IGA for employment generating for rural youth.
- Nutritional Food security
- Storage loss minimization
- Improving technique post harvest technology .
- To improve socio economic status.

### 3. TECHNICAL PROGRAMME

#### A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
14	118	97	288

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
106	2143	592	24093

Seed Production (q.)	Planting material Production (Nos.)	Fish seed prod. (Nos.)	Soil Samples analyzed (Nos.)	Development of Soil Health Cards (Nos.)
(5)	(6)	(7)	(8)	(9)
278	614700	2800000	250	100

Quality seed distributed (q)	No. of saplings distributed (Nos.)	No. of fingerlings distributed (Nos.)	No. of livestock & poultry strains distributed (Nos.)
(10)	(11)	(12)	(13)
280	545000	1500000	12

#### B. Abstract of interventions to be undertaken

S.	Thrust	Crop/	Identified	Interventions
----	--------	-------	------------	---------------



No	area	Enterprise	Problem	Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Integrated Nutrient Management	Rice	Imbalance nutrient application	Assessment of organic nutrient management in rice cultivation	Introduce improved variety of crops	Weed management in Rice			
2	Integrated Weed Management	Wheat	Low productivity of wheat due to high intensity of weeds	Assessment of different herbicide for weed management in Wheat		Techniques for increasing water use efficiency in cereal		Field Days, Gosthi	343.15 Qt.
3.	HYV of crops	Arhar, Chickpea, and Wheat	Low productivity of crops	Low productivity of Chickpea due to poor growth of plant		Integrated weed mgt. in Kharif Pulses	Integrated nutrient management in pulses	Field Days, Gosthi	
4	HYV of crops	Okra,	Less economic return from/unit area	Varietal assessment of okra YMV resistance varieties for doubling the Income		Early cultivation of veg. pea for higher remuneration	Plug-tray Nursery Raising Technology for Vegetables		
5	Sustainable development	Seasumum, Moong	“		Integrated ferti. Mgt.		Effectiveness of bio-ferti in crops	Field days, Gosthi	
6	Natural farming	Rice, Wheat, Millet	Soil health		Improvement of soil health and increase of production	Technique of natural farming	Natural farming	Awareness programme	10000
7	Improved varieties of fruit & vege.	Aonla+ Lemon +Guava +Mango+Veg. seedling	No suitable varieties	-	Introduce improved variety of veg./fruits	<ul style="list-style-type: none"> <li>Cultivation techniques of Okra</li> <li>Fertilizer management of Aonla,</li> </ul>	Polyhouse Nursery: Production and Protection for young youth	“	150000

S. No	Thrust area	Crop/Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
						Guava & Mango • Nursery raising techniques of fruit plants and MPTs			
8	Breed Improvement	Buffalo, Cattle & Goat	Low productivity	Assessment & Promotion of Higher Genetic Production Potential strain of Poultry Birds.	Provide male of Buffalo, Cow & Goat for breeding	<ul style="list-style-type: none"> <li>• Uses of Vaccine in farm animal</li> <li>• Detail of balance ration ingredients</li> <li>• Control of mastitis in dairy animals</li> <li>• Infestation of parasite and their control in Livestock.</li> </ul>	-	Gosthi & Camps	04 Buck
9	Disease and nutrition management	Buffalo	Anoestrus in Buffaloes	Reduce Service period in Buffaloes.		<ul style="list-style-type: none"> <li>• Training on Anoestrus management in Buffaloes</li> </ul>			
10	Organic manure production	Vermicompost	Poor quality manure	Assess the Use of waste decomposer for quality manure production.	Earthworm for higher organic manure production	Quality manure production			
11	Green forage	Barseem	Poor quality fodder		Improved variety Vardan	Arrangement of green fodder for milch			1.0

S. No	Thrust area	Crop/Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
						animal			
12	Self employment through enterprises	Dairy, Poultry, Goatry, Piggery, fisheries & Vermiculture	Youth migration		Unit demonstration of Boar and Mineral mixture	Entrepreneurship development among rural youth	Means of employment for rural youth	-	16 piglets & Kids 25.0 lac fish seed, worms 20 kg
13	Soil and Water Conservation	-	Decrease soil health	-	-	Soil & water mgt.	Integrated soil health management	Kisan Gosthi	300 soil sample tested
14	Utilization of natural ponds	Fish production	Unprofitable pond management	<ul style="list-style-type: none"> <li>Yield performance of fish farming in combination with Jayanti Rohu.</li> <li>Yield performance of fish farming in combination with Amur carp.</li> </ul>	Fish culture in ponds	Management of ponds	-	Gosthi	Supply of fish seed 2.0 lac fingerling
15	Employment generation	Poultry, piggery, SHG, Veg. nursery etc.	Youth migration	-	-	Training on related topic for rural youth	-	-	
16	Household food security	Kitchen gardening		Nutritional Kitchen gardening To assess the biofortified pearl millet on anemic vulnerable group		Nutrition supplement for family through kitchen garden		Field day, Gosthi	Supply seed and seedlings in all season
17	Drudgery	Gravity separator						Field day, Gosthi	Gravity separator

S. No	Thrust area	Crop/Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
		Mitten for multi crop harvesting			Mitten hand gloves			Field day, Gosthi	Mitten
18	Post harvest and value addition	Fruits and vegetables, pulses, coarse grains	Employment generation			<ul style="list-style-type: none"> <li>Preparation of low cost food form locally available grain</li> <li>Value addition in Mango and anola</li> </ul>			
19	Women and child care			Assessment of low cost iron rich food for improving HB in adolescent girl.		<ul style="list-style-type: none"> <li>Mgt of anemia through iron rich recipes</li> <li>Mgt of SHG for sanitation program</li> </ul>			
20	Storage loss minimization			Safe storage of wheat		Scientific storage tech. of food grain			

### 3.1 Technologies to be assessed and refined

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Other	TOTAL
Weed Management	1									1
Integrated Crop Management					2					2
Integrated Nutrient Management	1		1							2
Drudgery reduction									1	1
Value addition	2									2
<b>TOTAL</b>	<b>4</b>		<b>1</b>		<b>2</b>				<b>1</b>	<b>8</b>

**A.2. Abstract on the number of technologies refined in respect of crops - NIL**

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tube well Crops	TOTAL
<b>TOTAL</b>										

**A.3. Abstract on the number of technologies assessed in respect of livestock / enterprises**

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormiculture	Fisheries	TOTAL
Evaluation of Breeds							2	2
Nutrition Management	1							1
Disease of Management	1							1
Small Scale income generating enterprises		1						1
<b>TOTAL</b>	<b>2</b>	<b>1</b>					<b>2</b>	<b>5</b>

**A.4. Abstract on the number of technologies refined in respect of livestock / enterprises - NIL**

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
<b>TOTAL</b>								

**B. Details of On Farm Trial**

**OFT-1**

**Integrated nutrient management**

1. Crop/Enterprise : Rice
2. Farmers' Practices : No use of organic nutrients
3. Title of on-farm trial : Assessment of organic nutrient management in rice cultivation
4. Problem diagnosed : Imbalance nutrient application increasing cost of production due to high cost of chemical fertilizer
5. Farming situation : Irrigated
6. Production system : Rice-Wheat
7. Details of technologies selected for assessment :
  - T<sub>1</sub> :- Farmer practice - Use of chemical fertilizer
  - T<sub>2</sub> :- Organic nutrient-seed treatment with Bijamrit, spray of cow based organic product like Jeewamrit, Ghan Jeewamrit and Panchgavya
8. Source of technology : Natural farming
9. No. of farmers : 05
10. Critical input : Seed
11. Performance indicators :-
  - Technical: a. Tillers/plant b. Plant height c. Yield q/ha.
  - Economic: a. Cost of cultivation b. C:B ratio c. Yield Increase %
  - d. Additional Income Rs./ha.
  - Social: a. Acceptability b. Availability

## OFT-2

### INTEGRATED WEED MANAGEMENT

1. Crop/Enterprise : Wheat
2. Farmers' Practices : Use of isoproturon for weed control
3. Title of on-farm trial : Assessment of different herbicide for weed management in wheat
4. Problem diagnosed : Low productivity of wheat due to high intensity of weeds.
5. Farming situation : Irrigated (Partial) (Rabi Oct.)
6. Production system : Rice-Wheat system
7. Details of technologies selected for assessment :  
**T<sub>1</sub>** :- Isoproturon 0.75 kg ai/ha and 2, 4 D 0.4 kg ai/ha during 30-35 DAS  
**T<sub>2</sub>** :- **Sulfosulfuron 75% metsulfuron methyl 5% 33 gm ai/ha during 30-35 DAS**
8. Source of technology : IARI
9. No. of farmers : 05
10. Critical input : Herbicide
11. Performance indicators :-  
Technical: a. No of Tillers/plant                      b. Plant height (cm)    c. Yield q/ha.  
Economic: a. Cost of cultivation    b. C:B ratio    c. Yield Increase %  
                    d. Additional Income Rs./ha.  
Social: a. Acceptability                      b. Availability

## OFT-3

### INTEGRATED NUTRIENT MANAGEMENT

1. Crop/Enterprise : Chickpea
2. Farmers' Practices : Use solid fertilizer
3. Title of on-farm trial : Low productivity of Chickpea due to poor growth of plant.
4. Problem diagnosed : Poor nutrient uptake efficiency which ultimately reduce the yield in rainfed condition
5. Farming situation : Rainfed
6. Production system : Rice-Chickpea system
7. Details of technologies selected for assessment :  
**T<sub>1</sub>** :- Farmer practice DAP @ 60 kg/ha.  
**T<sub>2</sub>** :- T-1 + one spray of urea phosphate @ 1%, at 55 DAS
8. Source of technology : IIPR, IFFCO
9. No. of farmers : 05
10. Critical input : Seed, Urea phosphate
11. Performance indicators :-  
Technical: a. Plant height                      b. Yield q/ha  
Economic: a. Cost of cultivation    b. C:B ratio    c. Yield Increase %  
                    d. Additional Income Rs./ha.  
Social: a. Acceptability                      b. Availability

## OFT-4

### Doubling the income (ICM)

1. Crop/Enterprise : Okra
2. Title of on-farm trial : Varietal assessment of okra YMV resistance varieties for doubling the Income
3. Problem diagnosed : Less economic return from/unit area
4. Farming situation : Irrigated (Ziad)
5. Production system and thematic area : Crop – vegetable system

6. Experimental design:
  - T<sub>1</sub>** : Farmers practice (Any Hyb )
  - T<sub>2</sub>** : Okra (VRO-6, Pusa Anmol, Pusa Sawani)
7. No. of farmers : 05
8. Source of technology : IVRI, Varanasi, IARI
9. Critical input : INM+ Seed
10. Performance indicators:-
  - Technical: - a. No. of plants/m<sup>2</sup> b. Yield q/ha. C. YMV %
  - Economic:- a. Total input cost b. Total output Rs/Hac. C:B ratio

### OFT-5

#### Doubling the income (ICM)

1. Crop/Enterprise : Onion
2. Title of on-farm trial : Varietal assessment of kharif onion
3. Problem diagnosed : Low yield .
4. Farming situation : Irrigated (Kharif)
5. Production system and thematic area : Off seasonal cultivation for higher income
6. Experimental design:
  - T<sub>1</sub>: Farmers practice: No kharif onion**
  - T<sub>2</sub>: Recommended: Bhima super / Bhima shweta**
7. No. of farmers : 05
8. Source of technology: IARI, New Delhi
9. Critical input : seed treatment in Nursery Seedling, INM& sapling
10. Performance indicators :-
  - Technical: - a. No. of plants/m<sup>2</sup> b. Yield q/ha.
  - Economic:- a. Total input cost b. Total output Rs/Hac. C:B ratio

### OFT- 6

1. Crop/Enterprise : Tomato
2. Title of on-farm trial : Assessment of tomato hybrid Arka Rakshak & Arka Samarat
3. Problem diagnosed : Low yield due to heavy occurrence of viral & fungal disease.
4. Farming situation : Irrigated (Rabi)
5. Production system and thematic area : Crop – vegetable system
6. Experimental design:
  - T<sub>1</sub>** : Farmers practice (Fallow – Tomato)
  - T<sub>2</sub>** : Arka Rakshak seedling & Kasi Aman seedling
7. No. of farmers : 05
8. Source of technology: IIHR, Bangalore
9. Critical input : Seedling
10. Performance indicators :-
  - Technical observation: 1. Height of plant (cm.) 2. No. of branches / plant 3. Keeping quality 4. Av. yield kg/ plant 5. Yield qt/ha.6. B: C ratio
  - Economic:- a. Total input cost b. Total output Rs/Hac. C:B ratio

## OFT- 6

### EMPLOYMENT GENERATION

1. Crop/Enterprise : Back Yard Poultry Farming.
2. Title of on-farm trial : Assessment & Promotion of Higher Genetic germ plasm Production Potential of Poultry Birds.
3. Problem diagnosed : Low yield performance of Poultry.
4. Farming situation : Poultry Enterprises.
5. Technology assessed : Performance of developed Strain of Poultry.
6. Production system and thematic area: Back Yard Poultry Farming-Poultry Management.
7. Details of technologies selected for assessment:  
T<sub>1</sub> : Farmers Practice-Un-recognized non discript locally available Strain.  
T<sub>2</sub>: Performance of developed Strain of Poultry.
8. Source of technology: CARI,Izatnagar.
9. No. of farmers : 10
10. Critical input : 250 Poultry Bird (Oct.)
11. Performance indicators:-  
Technical: a. Maturity b. Eggs Production. c.Body Weight(Six Month Age)  
Economic: a. Total input cost b. Total output cost. c. C:B ratio.  
Social: a. Acceptability b. Availability

## OFT- 7

### DISEASE MANAGEMENT

1. Crop/Enterprise : Buffalo Husbandry. (Kharif)
2. Title of on-farm trial : Reduce Service period in Buffaloes.
3. Problem diagnosed : Anestrus in Buffaloes.
4. Farming situation : Buffalo Enterprises.
5. Technology assessed : Before breeding the use of De-wormer and Mineral mixture.
6. Production system and thematic area: Buffalo Enterprises-Dairy Management
7. Details of technologies selected for assessment:  
T<sub>1</sub> : Farmers Practice-Locally Traditional Practices.  
T<sub>2</sub>: De-warmer+ Mineral mixture.
8. Source of technology: NDUA&T, Kumarganj, Ayodhya.
9. No. of farmers : 10
10. Critical input : De-warmer+ Mineral mixture.
11. Performance indicators:-  
Technical: a. First Service (Days) b. No. of Service c. Conception Rate.  
Economic: a.Total input cost b. Total output cost. c. C:B ratio.  
Social: a. Acceptability b. Availability

## OFT- 8

### NUTRIENT MANAGEMENT

1. Crop/Enterprise : Management of Farm Waste. (September)
2. Title of on-farm trial : Assess the Use of waste decomposer for quality manure production.
3. Problem diagnosed : Use of traditional Semi-decomposed organic manure.
4. Farming situation : Organic Farming.
5. Technology assessed : Performance of waste decomposer in Organic manure production.



6. Production system and thematic area : Traditional organic manure production-  
Production of quality animal products.
7. Details of technologies selected for assessment:  
T<sub>1</sub> : Farmers Practice-Burn Wastage or use Un complete decomposed manure.  
T<sub>2</sub>: Proper use of waste decomposer solution on Farm Wastage (2kg Molases+200Liter  
Water+ Waste Decomposer).
8. Source of technology: National Centre of Organic Farming Govt. of India, Ghaziabad  
(UP).
9. No. of farmers : 10
10. Critical input : One waste decomposer Bottle (One liter)
- 11 Performance indicators:-  
Technical: a. Duration b. Production (Quintal /Unit).  
Economic: a. Total input cost b. Total output cost. c. C:B  
ratio.  
Social: a. Acceptability b. Availability

### OFT- 9

#### BREED MANAGEMENT

1. Crop/Enterprise : Fish farming (Seasonal)
2. Title of on-farm trial : Assessment of KMnO<sub>4</sub> and CIFAX on Yield performance of  
fishes in  
traditional pond.
3. Problem diagnosed : Low yield of fishes due to poor water quality
4. Farming situation : Irrigated
5. Technology assessed : Assessment of KMnO<sub>4</sub> @ 1 kg per ha and CIFAX application at  
farmers Pond
6. Details of technologies selected for assessment:  
T<sub>1</sub> : Farmers practice (Lime application)  
T<sub>2</sub> : Application of Kmno<sub>4</sub> and CIFAX @ 1 lit per ha every
- 8 Source of technology: CIFA
9. No. of farmers : 04
10. Critical input : Fish seed
- 11 Performance indicators:-  
Technical: a. Growth b. Yield q/ha  
Economic: a. Total expenditure Rs/ha b. Income Rs/ha . C: B ratio

### OFT- 10

#### BREED MANAGEMENT

1. Crop/Enterprise : Fish farming (September)
2. Title of on-farm trial : Yield performance of Amur carp in Khet talab.
3. Problem diagnosed : Slow growth of other carp varieties in small ponds (Khet talab)
4. Farming situation : Irrigated
5. Technology assessed : Yield performance of Amur carp at farmers field in Khet talab  
structures
6. Details of technologies selected for assessment:  
T<sub>1</sub> : Farmers practice Fish cultivation (Catla, Rohu, Nain,)  
T<sub>2</sub> : Cultivation of Amur Carp
- 8 Source of technology: TNUA & T
9. No. of farmers : 04

10. Critical input : Fish seed
11. Performance indicators:-
  - Technical: a. Growth b. Yield q/ha
  - Economic: a. Total expenditure Rs/ha b. Income Rs/ha . C: B ratio

## OFT-11

### NUTRITION MANAGEMENT

Anemia is a major problem in chitrakoot district which occurs in occurs poor family due to deficiency of iron. People from such district have a limited access to live stock products, food and vegetables. Addressing this problem through food supplements and food fortification is not a practical solution due to poor purchasing power of consumers and unsatisfactory delivery infrastructure specially in rural area. Keeping this above point in mind, KVK is going to supply of biofortified Bajara , Sawan, Ragi, and biofortified lentil ( Pusa –Vaibhav)and wheat (1006) which is economically to solve anemia problem. It contains high Fe, protein, calcium and other nutrients value near about double them the hybrid verity. Family will be consumed to overcome the anemic family

1. Crop/Enterprise : Nutrition management (Oct.)
2. Title of on-farm trial : To assess the nutri cereal on malnutrition family.
3. Problem diagnosed : anemia in vulnerable group
4. Production system and thematic area : Health and nutrition
5. Experimental design :
  - T<sub>1</sub> : Farmer practice (Daal , Roti and Rice )
  - T<sub>2</sub> : Consumption of biofortified pearl millet Bajra , Sawan and Ragi in Kharif and var. of Lentil (Pusa Vaibhav L 4147) in Rabi season
6. No. of farmers : 10
7. Source of technology: ICRISAT, Hyderabad and IARI, New Delhi
8. Critical input : Package demonstration
9. Performance indicators:-
  - Production of nutri cereal (kg)
  - Consumption percentage – of the family
  - Sale in the Market (Kg) –
  - Health Status –
    - Technical:- HB level. Clinical sign and symptoms
    - Social: a. Acceptability b. Suitability

## OFT-12

### NUTRITION MANAGEMENT

1. Crop/Enterprise : Health and Nutrition (Oct.)
2. Title of on-farm trial : Assessment of low cost iron rich food for improving the iron deficiency anemia in adolescent girl.
3. Problem diagnosed : Anemia in adolescent group
4. Production system and thematic area : Health and nutrition
5. Experimental design :
  - T<sub>1</sub> : Farmer practice (Daily routine diet)
  - T<sub>2</sub> : Paustic Laddu(10 g Puffed bajra + 10g Bengal gram + 10g Lentil + 10g Groundnut + 10g sesamum + 10g rice flakes + 10g puff rajgeera + 30g Jeggery.
6. No. of farmers : 30

7. Source of technology: VNMAU, Prabhani Maharashtra
8. Critical input : Paustic Laddu (Rs
9. Performance indicators:-
  - Technical:- HB level & Clinical sign and symptoms
  - Social: a. Acceptability b. Suitability

### OFT-13

#### DRUDGERY REDUCTION

1. Crop/Enterprise : Drudgery Reduction
2. Title of on-farm trial : To Assessment the efficiency of water wheel drum used for collection of water
3. Problem diagnosed : Time consuming Health Problem Drudgery prone activity
4. Production system and thematic area: Drudgery
5. Experimental design :
  - T<sub>1</sub> : Farm women practice (Head loading )
  - T<sub>2</sub> : Paustic Use of water wheel drum
6. No. of farmers : 10
7. Source of technology: Willo
8. Critical input : Water wheel Drum (Rs 30000)
9. Performance indicators:-
  - Technical:- Requirement Time Work load Health hazards
  - Social: a. Acceptability b. Suitability

### 3.2 Frontline Demonstrations

#### A. Details of FLDs to be organized (Based on soil test analysis)

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demonstrations	Parameters identified	Cost of Inputs
1	Greengram	IPM2-3	INM	HYV,INM,IPM	Seed,Biofertilizer Weedicide	Kharif 2023	10	25	Yield, C:B ratio	90000
2	Pigeonpea	IPA-203	IPM	HYV,INM,IPM	Seed,Biofertilizer Weedicide	Kharif 2023	10	25	-do-	90000
3	Chickpea	JG-14	Varietal	HYV,INM,IPM	Seed,Bio,	Rabi 2023-24	10	25	-do-	90000
4	Lentil	IPL-316	Varietal	HYV,INM,IPM	Seed,Bio,	Rabi 2023-24	10	25	-do-	90000
5	Field Pea	Aman	Varietal	HYV,INM,IPM	Seed,Bio,	Rabi 2023-24	10	25	-do-	90000
6	Sesame	TKG-308	INM	HYV,INM,IPM	Seed,Fertilizer,PPM Weedicide	Kharif 2023	20	50	-do-	100000

7	Mustard	PM-30	INM	HYV,INM,I PM	Seed,Fertiliz er,PPM	Rabi 2023- 24	20	60	-do-	1200 00
8	Veg. pea	Pragati	Variet al + INM	HYV NPK, bio ferti.	Seed, Bio.Fert.	Rabi 2023-24	3.0	15	-do-	6000 0
9	Toma to	Kashi Vishes Arka raksha k	Variet al +INM	HYV, NPK	Seedlings, INM	Rabi 2023-24	1.0	12	-do-	2250 0
10	Okra	VRO- 6,Arka anmol	Vari etal	HYV	Seed	Kharif 2023	1.0	6	-do-	1500 0
11	Marrigol d	Pusa bahar	Variet al	HYV	Seedlings	Rabi 2023-24	1.0	10	-do-	3250 0
12	Onion	Bhima super,Pu sa riddhi	Variet al +INM	HYV ,Sulpher	Seed ,Sulpher	Rabi 2023-24	1.0	10	-do-	2000 0
<b>Total</b>							<b>97</b>	<b>288</b>		<b>820000</b>

### Sponsored Demonstration

Sl.	Crop	Area (ha)	No. of farmers
1	IARI demonstration on Paddy	3.0	15
2	Wheat	3.0	15
3	Other demonstration	5.0	15
<b>Total</b>		<b>11</b>	<b>45</b>

### B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	10		350
2	Farmers Training	10		200
3	Media coverage	5		-
4	Training for extension functionaries	01		25

### C. Details of FLD on Enterprises

#### (i) Farm Implements (TSP)

Name of the implement	Crop	Season and year	No. of farmer s	Area (ha)	Critical inputs	Performance parameters / indicators
	Rice	Kharif 2023	75	30	Seed, Fertilizer	Yield and CB ratio
	Sesame	Kharif 2023	80	40	Seed, Fertilizer	Yield and CB ratio
	Pigeon pea	Kharif 2023	10	5	Seed, Fertilizer	Yield and CB ratio
	Green gram	Kharif 2023	10	5	Seed, Fertilizer	Yield and CB ratio
	Wheat	Rabi 2023-24	150	60	Seed, Fertilizer	Yield and CB ratio
	Chick pea	Rabi 2023-24	30	12	Seed, Bio ferti.	Yield and CB ratio

	Mustard	Rabi 2023-24	30	10	Seed, Fertilizer	Yield and CB ratio
	Veg. pea	Rabi 2023-24	10	2	Seed	Yield and CB ratio
Sprayer	-	2023	10	-	Sprayer	Crop protection and yield
	<b>Total</b>		<b>405</b>	<b>164</b>		

#### D. Details of FLD on other Enterprises

##### (i) Home Science

Activities	Package	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Kitchen gardening	Vegetable	Kharif, Rabi, Zaid 2023-24	50	10.0	Seed and seedling	Crop yield
Mitten for multi crop harvesting	Mitten	Rabi 2023-24	25	50 No.	Mitten	Time saving, no. of scratches
Vermi compost for kitchen garden	Kitchen garden	Kharif, Rabi, Zaid 2023-24	10	0.25	Structure, worms	Cost saving, quality and yield
Value addition	Solar Dryer	Rabi, Zaid 2023-24	10	5	Package	Income generation

##### (ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Month/Year	Performance parameters / Indicators
Goatry	Breed improvement	02	02	Buck	July 2023	No. of Goat Covered/No. of Kid produced.
Vermi composting	Eisenea foetida and Jay Gopal	05	05 kg each breed	Earth worms	Oct. 2023	Quantity of organic manure production and presence of earth worms in one Cub3 feet in the bed.
Napier Grass	Hybrid	10	100 Root slips /Farmer	Napier Root	July 2023	Production of green fodder (Yield q/ha).
Oats	HJ 8	10	0.8	Seed	Oct. 2023	Production of green fodder(Yield q/ha)
Mineral mixture	Totavit strong	20	20	Mineral mixture	Aug. 2023	MilkYield (lit/day).
Fish farming	IMC	03	03 ha	Farm Made feed	Aug. 2023	Growth, yield (q/ha), BC ratio

### 3.3 Training (Including the sponsored and FLD training programmes):

#### A) ON Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1	12	-	12	10	-	10	22
Water management	1	15	-	15	8	-	8	23
Seed production	2	20	-	20	20	-	20	40
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	3	45	0	45	18	0	18	63
Nursery raising	1	15	0	15	8	0	8	23
Exotic vegetables cultivation like Broccoli	1	15	0	15	5	0	5	20
Protective cultivation (Green Houses, Shade Net etc.)	1	12	0	12	5	0	5	17
<b>b) Fruits</b>								
Plant propagation techniques	1	10	0	10	8	0	8	18
<b>c) Ornamental Plants</b>								
<b>d) Plantation crops</b>								
<b>E) Spices</b>								
Production and Management technology	1	15	0	15	7	0	7	22
<b>F Medicinal and Aromatic Plants</b>								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	8	5	13	2	-	2	15
Soil and Water Testing	1	10	0	10	7	0	7	17
<b>IV Livestock Production and Management</b>								
Dairy Management	4	60	-	60	20	-	20	80
<b>V Home Science/Women empowerment</b>								
Design and development of low/minimum cost diet	4	-	70	70	-	10	10	80
Designing and development for high nutrient efficiency diet	1	-	15	15	-	5	5	20
Value addition	1	-	15	15	-	5	5	20
Income generation activities for empowerment of rural Women	1	-	15	15	-	5	5	20
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems	2	25	0	25	12	0	12	37
<b>VII Plant Protection</b>								
Integrated Pest Management	1	12	-	12	8	-	8	20
Integrated Disease Management	2	24	-	24	20	-	20	44
<b>VIII Fisheries</b>								
Integrated fish farming	1	11	0	11	2	0	2	13
Carp breeding and hatchery management								
Carp fry and fingerling rearing	1	10	0	10	1	0	1	11
Composite fish culture	4	50	0	50	8	0	8	58
<b>IX Production of Inputs at site</b>								

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>X Capacity Building and Group Dynamics</b>								
<b>XI Agro-forestry</b>								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	36	369	120	489	169	25	194	683
<b>(B) RURAL YOUTH</b>								
Nursery Management of Horticulture crops	1	12	-	12	5	3	8	20
Training and pruning of orchards								
Value addition	2	-	30	30	-	10	10	40
Pearl culture	2	16	0	16	6	0	6	22
Tailoring and Stitching	2	-	20	20	-	20	20	40
Rural Crafts	1	-	10	10	-	10	10	20
<b>TOTAL</b>	<b>8</b>	<b>28</b>	<b>60</b>	<b>88</b>	<b>11</b>	<b>43</b>	<b>54</b>	<b>142</b>
<b>(C) Extension Personnel</b>								
Integrated Nutrient management	1	12	-	12	10	-	10	22
Protected cultivation technology	1	20	-	20	5	-	5	25
Management in farm animals	1	15	-	15	5	-	5	20
Livestock feed and fodder production	1	15	-	15	5	-	5	20
Household food security	1	-	15	15	-	5	5	20
Women and Child care	2	-	20	20	-	20	20	40
<b>TOTAL</b>	<b>7</b>	<b>62</b>	<b>35</b>	<b>97</b>	<b>25</b>	<b>25</b>	<b>50</b>	<b>147</b>
<b>G. Total</b>	<b>51</b>	<b>459</b>	<b>215</b>	<b>674</b>	<b>205</b>	<b>93</b>	<b>298</b>	<b>972</b>

### B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	2	22	-	22	18	-	18	40
Cropping Systems	1	15	5	20	5	-	5	25
Seed production	2	25	10	35	13	13	26	61
Nursery management	1	10	5	15	5	-	5	20
<b>II Horticulture</b>								
Production of low volume and high value crops	1	15	0	15	5	5	10	25
Off-season vegetables	1	15	0	15	5	5	10	25
Nursery raising	1	15	3	18	2	3	5	23
Exotic vegetables like Broccoli	1	13	3	16	5	2	7	23
<b>b) Fruits</b>								
Cultivation of Fruit	1	10	5	15	2	3	5	20
Management of young plants/orchards	1	12	2	14	4	3	7	21
<b>c) Ornamental Plants</b>								
<b>d) Plantation crops</b>								

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
Production and Management technology	1	10	2	12	5	2	7	19
<b>f) Spices</b>								
Production and Management technology	1	13	3	16	4	1	5	21
<b>III Soil Health and Fertility Management</b>								
Production and use of organic inputs	1	12	2	14	5	5	10	24
Soil and Water Testing	1	15	0	15	5	0	5	20
<b>IV Livestock Production and Management</b>								
Dairy Management	3	25	10	35	15	10	25	60
Poultry Management	1	15	-	15	5	-	5	20
Piggery Management	1	-	-	-	15	5	20	20
Rabbit Management /goat	1	10	-	10	5	5	10	20
Disease Management	3	40	-	40	35	-	35	75
Feed management	1	5	5	10	5	5	10	20
Production of quality animal products	2	20	-	20	10	10	20	40
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	2	-	30	30	-	10	10	40
Design and development of low/minimum cost diet	1	-	15	15	-	5	5	20
Minimization of nutrient loss in processing	1	-	10	10	-	10	10	20
Gender mainstreaming through SHGs	1	-	10	10	-	10	10	20
Storage loss minimization techniques	1	-	15	15	-	15	15	30
Value addition	1	-	10	10	-	10	10	20
Women and child care	1	-	10	10	-	10	10	20
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems	2	30	0	30	10	0	10	40
Repair and maintenance of farm machinery and implements	2	24	0	24	10	6	16	40
<b>VII Plant Protection</b>								
Integrated Pest Management	2	25	10	35	13	4	17	52
Integrated Disease Management	2	22	9	31	14	8	22	53
<b>VIII Fisheries</b>								
Composite fish culture	2	18	0	18	6	0	6	24
<b>IX Production of Inputs at site</b>								
<b>X Capacity Building and Group Dynamics</b>								
<b>XI Agro-forestry</b>								



Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>46</b>	<b>436</b>	<b>174</b>	<b>610</b>	<b>226</b>	<b>165</b>	<b>391</b>	<b>1001</b>
<b>(B) RURAL YOUTH</b>								
Seed production	2	20	-	20	10	-	10	30
Vermi-culture	1	15	-	15	5	-	5	20
<b>TOTAL</b>	<b>8</b>	<b>78</b>	<b>0</b>	<b>78</b>	<b>62</b>	<b>0</b>	<b>62</b>	<b>140</b>

<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	1	15	-	15	5	-	5	20
Any other (Pl. Specify) Natural Farming	1	10	-	10	10	-	10	20
<b>TOTAL</b>	<b>2</b>	<b>25</b>	<b>-</b>	<b>25</b>	<b>15</b>	<b>-</b>	<b>15</b>	<b>40</b>
<b>G. Total</b>	<b>56</b>	<b>539</b>	<b>174</b>	<b>713</b>	<b>303</b>	<b>165</b>	<b>468</b>	<b>1181</b>

**C) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	3	34	-	34	28	-	28	62
Cropping Systems	1	15	5	20	5	-	5	25
Water management	1	15	-	15	8	-	8	23
Seed production	4	45	10	55	33	13	46	101
Nursery management	1	10	5	15	5	-	5	20
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	4	60	0	60	23	5	28	88
Off-season vegetables	2	27	-	27	10	5	15	42
Nursery raising	2	30	3	33	10	3	13	46
Exotic vegetables like Broccoli	2	28	3	31	10	2	12	43
<b>b) Fruits</b>								
Cultivation of Fruit	1	10	5	15	2	3	5	20
Management of young plants/orchards	1	12	2	14	4	3	7	21
Plant propagation techniques	1	10	-	10	8	-	8	18
<b>c) Ornamental Plants</b>								
<b>d) Plantation crops</b>								
Production and	1	10	2	12	5	2	7	19

Management technology								
<b>e) Tuber crops</b>								
<b>f) Spices</b>								
Production and Management technology	2	28	3	31	11	1	12	43
<b>g) Medicinal and Aromatic Plants</b>								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	8	5	13	2	-	2	15
Production and use of organic inputs	1	12	3	15	3	2	5	20
Soil and Water Testing	2	22	2	24	12	5	17	31
<b>IV Livestock Production and Management</b>								
Dairy Management	7	85	10	95	35	10	45	140
Poultry Management	1	15	-	15	5	-	5	20
Piggery Management	1	-	-	-	20	-	20	20
Rabbit Management/goat	1	10	-	10	5	5	10	20
Disease Management	3	40	-	40	20	-	20	60
Feed management	1	5	5	10	5	5	10	20
Production of quality animal products	2	20	-	20	10	10	20	40
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	2	0	30	30	0	10	10	40
Design and development of low/minimum cost diet	5	0	85	85	0	15	15	100
Designing and development for high nutrient efficiency diet	1	0	15	15	0	5	5	20
Minimization of nutrient loss in processing	1	0	10	10	0	10	10	20
Gender mainstreaming through SHGs	1	0	10	10	0	10	10	20
Storage loss minimization techniques	1	0	15	15	0	15	15	30
Value addition	2	0	25	25	0	15	15	40
Income generation activities for empowerment of rural Women	1	0	15	15	0	5	5	20
Women and child care	1	0	10	10	0	10	10	20
<b>VI Agril. Engineering</b>								
Installation and	4	55	0	55	22	0	22	77

maintenance of micro irrigation systems								
Repair and maintenance of farm machinery and implements	2	24	0	24	10	6	16	40
<b>VII Plant Protection</b>								
Integrated Pest Management	3	37	10	47	21	4	25	72
Integrated Disease Management	4	46	9	55	34	8	42	97
<b>VIII Fisheries</b>								
Integrated fish farming	1	11	0	11	2	0	2	13
Carp breeding and hatchery management								
Carp fry and fingerling rearing	1	10	0	10	1	0	1	11
Composite fish culture	6	68	0	68	14	0	14	82
<b>X Capacity Building and Group Dynamics</b>								
<b>XI Agro-forestry</b>								
TOTAL	82	805	294	1099	395	190	585	1684
<b>(B) RURAL YOUTH</b>								
Seed production	2	20	0	20	10	0	10	30
Vermi-culture	1	15	0	15	5	0	5	20
Nursery Management of Horticulture crops	1	12	-	12	5	3	8	20
Value addition	2	-	30	30	-	10	10	40
Dairying	1	15	0	15	5	0	5	20
Sheep and goat rearing	1	10	0	10	10	0	10	20
Piggery	1	0	0	0	20	0	20	20
Poultry production	1	10	0	10	10	0	10	20
Pearl culture	2	16	0	16	6	0	6	22
Tailoring and Stitching	2	-	20	20	-	20	20	40
Rural Crafts	1	-	10	10	-	10	10	20
TOTAL	15	98	60	158	71	43	114	272
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	1	10	0	10	10	0	10	20
Integrated Nutrient management	1	12	-	12	10	-	10	22
Protected cultivation technology	1	20	-	20	5	-	5	25
Management in farm animals	1	15	-	15	5	-	5	20
Livestock feed and fodder production	1	15	-	15	5	-	5	20
Household food security	1	-	15	15	-	5	5	20

Women and Child care	2	-	20	20	-	20	20	40
Any other (Natural farming)	1	10	0	10	10	0	10	20
<b>Total</b>	9	82	35	117	45	25	70	187
<b>G. TOTAL</b>	<b>106</b>	<b>985</b>	<b>389</b>	<b>1374</b>	<b>511</b>	<b>258</b>	<b>769</b>	<b>2143</b>

Details of training programmes attached in **Annexure -I**

#### 5.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	8	350	100	400	20	5	25	320	105	425
Kisan Mela	2	1650	550	2200	150	25	175	1800	575	2375
Kisan Gosthi	35	1050	300	1350	80	20	100	1130	320	1450
Exhibition	5	2200	500	2700	150	50	200	2350	550	2900
Film Show	40	1250	350	1600	50	25	75	1300	375	1675
Farmers Seminar	1	80	20	100	0	0	0	80	20	100
Group meetings	2	150	50	200	0	0	0	150	50	200
Lectures delivered as resource persons	40	0	0	0	0	0	0	0	0	0
Newspaper coverage	40	0	0	0	0	0	0	0	0	0
Radio talks	2	0	0	0	0	0	0	0	0	0
TV talks	2	0	0	0	0	0	0	0	0	0
Popular articles	6	0	0	0	0	0	0	0	0	0
Extension Literature	10	0	0	0	0	0	0	0	0	0
<b>Advisory Services</b>	0	0	0	0	0	0	0	0	0	0
Scientific visit to farmers field	300	2800	800	3600	200	100	300	3000	900	3900
Farmers visit to KVK	40	6000	1500	7500	80	20	100	6080	1520	7600
Diagnostic visits	30	400	25	425	10	5	15	410	30	440
Exposure visits	1	50	0	50	0	0	0	50	0	50
Ex-trainees Sammelan	2	80	50	130	10	5	15	90	55	145
Soil health Camp	4	125	25	150	0	0	0	125	25	150
Animal Health Camp	2	100	50	150	5	0	5	105	50	155
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	4	150	100	250	0	0	0	150	100	250
Self Help Group Conveners meetings	2	50	50	100	0	0	0	50	50	50
Mahila Mandals Conveners meetings	3	0	65	65	0	4	4	0	69	69
Celebration of important days (specify)	10	1500	300	1800	50	25	75	1550	325	1875
Soil Health Cards distribution	1	250	20	270	10	5	15	260	25	285
<b>Total</b>	<b>592</b>	<b>18235</b>	<b>4855</b>	<b>23040</b>	<b>815</b>	<b>289</b>	<b>1104</b>	<b>19000</b>	<b>5144</b>	<b>24094</b>

### 3.5 Target for Production and supply of Technological products

#### SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)	Distributed to the farmers (Nos.)
<b>CEREALS</b>	Paddy	PS 2511, JR 206	60	275
	Wheat	HD-2967, K-1006, 1317, HI- 8759, GW-273	80	325
	Barley	K-508, 560	15	45
<b>OILSEEDS</b>	Sesame	Pragati	08	125
	Mustard	Urvashi, Pusa Mahek, Pitambari, Girraj	15	225
	Linseed	Mau Azad-2,JLS-79	05	85
<b>PULSES</b>	Pigeonpea	IPA-203	3	75
	Green gram	PDM-139, IPM 2-3,MH 421, Virat	10	150
	Chickpea	KGD 1168, Pusa 547, 1103	30	225
	Lentil	DPL-62, IPL 316, L 4727	30	150
	Field pea	KPMR400,Aman	12	50
	Veg. pea	Pragati	8	48
<b>OTHERS (Specify)</b>	Coriander	ACR-1	1	36
	Okra	Kashi Chaman, VRO 6	1	25
	Bitter Gourd	Kalyanpur Barahmasi	0.20	50
<b>Total</b>			<b>278.2</b>	<b>1889</b>

#### PLATING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Distributed to the farmers (Nos.)
<b>FRUITS</b>	Aonla	N-6, 7, 10	200	62
	Guava	L-49	400	120
	Mango	Amrapali, Dashari	200	38
	Lemon	Kagji	500	94
	Karonda	Green	600	130
	Jack fruit		100	50
	<b>SPICES</b>	Chilli	KA-2, K-2, Azad-1	30000
Onion		Agri found light red, Pusa Riddhi	500000	60
<b>VEGETABLES</b>	Tomato	DVRT-1, Rohini	50000	140
	Brinjal	Hara Gola	15000	55
	Cauliflower	Snowball -16,1	5000	35
	Cabbage	Pusa drum head	5000	42
	Broccoli		1000	5
	Moringa		1000	200

<b>FOREST SPECIES</b>	Neem	Desi	100	20
	Sesam		100	20
<b>ORNAMENTAL CROPS</b>	Rose		500	60
	Marrigold		5000	22
		<b>Total</b>	<b>614700</b>	<b>1318</b>

### BIO-PRODUCTS

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>				
Cow unit based pesticide	Bio pesticide	Bio pesticide	10	200
Vermicomposting	Vermicompost	Vermicompost	10	1000
Earthworms	Worms	Jay Gopal and Esina fotida	5	10

### LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle	Milch	Sahiwal	4	1
Goat	Meat /Milch	Bundelkhandi/Sirohi	20	5
Poultry	Indigenous	Kadak nath/Keg Golden	200	5
Pig farming	Meat	LWYS	12	4
Forage crops	Barseem	Seed – Vardan	20	20
Fisheries	Fish Spawn	Carp	15 lakh	10
	Fish fry	Carp	10lakh	30
	Fingerling	Carp	3lakh	20

### 3.6 Literature to be Developed/Published

- (A) **KVK News Letter** : One  
Date of start : Annual  
Number of copies to be published : 100

### (B) Literature developed/published

S.No.	Topic	No.	Name of Journal/literature
1	Research paper by each scientist	2	
2	Technical reports	5	
3	News letters	1	
4	Training manual all discipline	5	
5	Popular article	5	
6	Extension literature	10	
	<b>Total</b>	<b>28</b>	

### (C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	DVD	Seed production	5
2	DVD	Aquaculture/ Pearl culture	5

### 3.7. Success stories/Case studies identified for development as a case.

- Brief introduction
- Interventions
- Output

- d. Outcomes
- e. Impact
  - i) Social economic
  - ii) Bio-Physical
- f. Good Action Photographs

**3.8 Indicate the specific training need analysis tools/methodology followed for**

- a) Through PRA (gap analyses and Matrix ranking)
- b) On the basis of soil type and Agro-climatic condition
- c) Feedback from District officials and the farmers

**Rural Youth**

- a) Through Ex trainees meet
- b) Considering wide area problem
- c) Deep discussion with youth club formed in identified village
- d) Based on rural market analysis

**In-service personnel**

- a) Feedback from district department
- b) According to changed agro-eco-system
- c) Based on specific problem

**3.9 Indicate the methodology for identifying OFTs/FLDs**

**For OFT:**

- i) PRA
- ii) Problem identified from Matrix
- iii) Field level observations
- iv) Farmer group discussions
- v) Others if any

**For FLD :**

- i) New variety/technology
- ii) Poor yield at farmers level
- iii) Existing cropping system
- iv) Others if any

**3.10 Field activities**

- i. Name of villages identified/adopted with block name (2017-18) - 16
- ii. No. of farm families selected per village :20
- iii. No. of survey/PRA conducted :200
- iv. No. of technologies taken to the adopted villages:10
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

**3.11. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab: Working

- 1. Year of establishment : 2005**

2. List of equipments purchase with amount -

-List attached-

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	250	250	10	-
Water	50	50	5	-
<b>Total</b>	<b>300</b>	<b>300</b>	<b>15</b>	<b>-</b>



#### 4. LINKAGES

##### 4.1 Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1.	Department of Agriculture	Training, Kisan gosthies and procurement of seed and SAC
2.	Department of Horticulture	Participation in meeting, farmers fair, procurement of seed and SAC
3.	Department of animal husbandry	Participation in meeting, organizing animal health camps. Availability of vaccines and SAC
4.	Regional rural banks	Joint implementation of programmes
5.	Department of soil and water conservation	Training programme, advisory services and SAC
6.	IIPR, CSAU & T, Kanpur, NBFRS, Jabalpur, NDUA&T, Faizabad, IGFRI Jhansi.	Procurement of seed and bio-fertilizer, technical advisory services.
7.	Department of fisheries	Participation in meeting.
8.	Mahila Samakhya	Training, Participation in meeting.
9.	Department of forestry	Participation in meeting, Training. Procurement of pesticides
10.	Women & child development department	Training, Participation in farmers fair & SAC,
11.	NFDB	Training and Demo
12.	IFFCO	Joint programme, training, demonstration
13.	EFFICOR	Training programme, advisory services.
14.	Sarvodaya Seva Ashram	Training programme, advisory services.
15.	Banda Agriculture University	Extension activities, RAWE programme and technical advisory services
16.	IIPR, Kanpur	Seed, technological backup, DBT-Project on pulse production
17.	IARI, New Delhi	Seed, technological backup & demonstration

##### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

S. No.	Programme	Nature of linkage
1	Training	Provide training facilities and technological input
2	Meeting	Advisory

##### 4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Training	Provide training facilities and technological input
2	Meeting	Advisory

##### 4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1	Training	Provide training facilities and technological input
2	Meeting	Advisory

**5. Utilization of hostel facilities**

S. No.	Programme	No. of days
1	Sponsored training	10
2	Rural youth	90
3	Other programmes	5
	<b>Total</b>	<b>105</b>

**6. Convergence with departments:**

Department	Activities
Department of agriculture	Farmers fair, Gosthi, Training, Farmers-Scientist interaction, In service training, Field visit
Department of Horticulture	Farmers fair, Gosthi, Training, Farmers-Scientist interaction, In service training, Field visit, ATMA activities
Department of Animal Science	Awareness camp, Gosthi, Training, Farmers-Scientist interaction, In service training, Abolition of Annapratha, NADCPromote Animal Health Advisory Services.promotion of commercial Livestock Enterprises.
Department of Fisheries	Gosthi, Training, Farmers-Scientist interaction, Field visit, FFDA meeting

**7.1. Details of the programmes being implemented by your KVK in partnership with other institution**

S. No.	Name of Programme	Main Institution (IARI, DBT, DST, UPCAR, etc.)	Duration	Budget (in lakh)
1	Demonstration	IARI	1 Year	-
2	Seed hub	IIPR, Kanpur	On going	150
3	GKMS (DAMU)	IMD	On going	12.0

**7.2. Brief achievements of above collaborative programmes**

S. No.	Name of Programme	Salient achievement	Impact of the programme
1	Demonstration	Increase yield	Maximum area coverage under HYV
2	Seed Bank establishment	Conservation of traditional seed	Seed storage and timely sowing
3	GKMS (DAMU)	Awareness programme	Minimize losses due to weather

**8. Achievements (Both Technical and physical) of sponsored programmes (As applicable to your KVK) during the reporting period (2022)**

S. No.	Name of Programme	Detailed Technical Achievements	Physical (infrastructural achievement)
1	TSP Project	Given separately	
2	CFLD-NFSM Project	Given separately	
3	NICRA Project	Given separately	
4	Soil Health Card		
5	NARI PROJECT)	Given separately	
6	GKMS (DAMU)	Given separately	

**9. Feedback of the farmers about the technologies demonstrated and assessed :**

1. Attack of wilt and root rot observed in different varieties of pulses demonstrated.
2. High Vegetative growth of mustard variety RH-749
3. Poor yield of fishes due to short duration water storage
4. HD-2967 variety of wheat is very popular in Chitrakoot district due to higher yield

**10. Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:**

1. Recommendation of latest technology by different livestock institution should be communicated to every KVKs for popularization.
2. Technology developed by fisheries institutions get popularize through KVK by training and demonstration.
3. Area specific technology under Horticultural crops should be communicated by research organization to extension scientist of KVKs.
4. The skilled and knowledge development of extension worker of KVK should be straightened by different organizations engage in agricultural activities.
5. Discipline wise technological inventory should be provided by the SAUs

**Training Programme**

**i) Farmers & Farm women (On Campus)**

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
16-17 March	PF	Seed production technology of summer green gram	2	10	-	10	8	-	8	18
05-06 July.	PF	Seed production technology of kharif pulses	2	12	-	12	10	-	10	22
25-26 Aug.	PF	Integrated Weed management in Rice	2	12	-	12	10	-	10	22
28-29 Dec.	PF	Techniques for increasing water use efficiency in cereal	2	15	-	15	8	-	8	23
<b>Horticulture</b>										
23-24 Jan.	PF	Early cultivation technique and seed production of summer okra	2	15	-	15	5	-	5	20
3-4 March	PF	Protected cultivation (Green Houses, Shade Net etc.) scope and importance	2	12	-	12	5	-	5	17
8-9 May	PF	Intercropping for Turmeric + Ginger in fruit orchard	2	15	-	15	7	-	7	22
7-8 July	PF	Nursery raising and Production technology of Kharif Onion	2	15	-	15	8	-	8	23
4-5 Aug.	PF	Propagation method of fruit crops	2	10	-	10	8	-	8	18
8-9 Sept.	PF	Early cultivation of vegetable pea for higher remuneration	2	15	-	15	8	-	8	23

6-7 Oct.	PF	Exotic vegetables cultivation like Broccoli, Zucchini, Red cabbage, Colored Capsicum, Cherry tomato etc.	2	15	-	15	5	-	5	20
6-7 Nov.	PF	Intercultural operations in Vegetable crops like pinching, pruning and stacking	2	15	-	15	5	-	5	20
<b>Livestock prod.</b>										
17-18 Feb.	PF/FW	Management of livestock in summer season.	2	15	-	15	5	-	5	20
12-13 May.	PF/FW	Control of Parasites in livestock.	2	15	-	15	5	-	5	20
11--12 Aug.	PF	Castration Techniques for farm animals.	2	15	-	15	5	-	5	20
17-18 Nov.	PF/FW	Management of livestock in winter season.	2	15	-	15	5	-	5	20
<b>Agril. Engg.</b>										
15-16 Sept.	PF	Operation care and maintenance of Rotavator	2	10	-	10	8	-	8	18
13-14 Oct.	PF	Care maintenance of sprinkler set	2	10	-	10	6	-	6	16
<b>Home Sc.</b>										
06-07Jan.	FW	Importance of millets consumption in daily diet for prevention of protein and other micro nutrients	2	0	15	15	0	5	5	20
10-11 Feb.	FW	Preparation of tomato ketchup, mix pickle and various type of pickle for increasing self life of product by various preparation method	2	0	15	15	0	5	5	20
03-04 Mar.	FW	Income generation activities at house hold level through multi purpose pulverizer	2	0	15	15	0	5	5	20
04-05 May	FW	Nutritional importance of lentil and its bi product	2	0	15	15	0	5	5	20
02-03 June	FW	Importance of Mahua and its bi products	2	0	15	15	0	5	5	20
05-06 Dec.	FW	Preparation of pearl millets nutritious recipe	2	0	15	15	0	5	5	20
09-10 Nov.	FW	Method and demonstration of iron rich food	2	0	15	15	0	5	5	20
<b>Plan prot.</b>										
5-6 Jan.	PF	Control of pod borer in chick pea	2	12	-	12	10	-	10	22
10-11 May.	PF	Control of YMD in summer greengram	2	15	-	15	8	-	8	23
05-06 Sep.	PF	IDM in rice	2	14	-	14	7	-	7	21
<b>Fisheries</b>										
15-16 Jul	PF	Spawn Rearing techniques	2	11	0	11	2	0	2	13
27-28 Jul	PF	Prestocking pond management for better survival	2	11	-	11	4	-	4	15
3-4 Aug.	PF	Carp cultivation methods in	2	13	-	13	2	-	2	15

		traditional ponds								
27-28 Aug.	PF	Feeds and feeding of cultivable fishes	2	13	-	13	2	-	2	15
30-31 Aug.	PF	Fish disease management	2	13	-	13	-	-	-	13
03-04 Sept	PF	Integrated fish farming with livestock	2	8	-	8	4	-	4	12
<b>Soil Health</b>										
06-07 May	PF	Soil health improvement techniques	1	8	5	13	2	-	2	15
20-21 May	PF	Green manuring	1	10	0	10	7	0	7	17

**i) Farmers & Farm women (Off Campus)**

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
20-21 Mar.	PF	Seed production technology of Kharif pulses	2	15	5	20	6	5	11	31
19-20 Jun	PF	Nursery management in rice	2	10	5	15	5	-	5	20
5-6 July.	PF	Integrated weed management in pigeon pea	2	10	-	10	10	-	10	20
2-3 Aug.	PF	Maximum output from rice-wheat cropping system	2	15	5	20	5	-	5	25
12-13 Oct.	PF	Seed production technique in Rabi pulses	2	10	5	15	8	7	15	30
13-14 Dec.	PF	Weed control in wheat for quality seed production	2	12	-	12	8	-	8	20
<b>Horticulture</b>										
14-15 March	PF	Mulching and its importance role in vegetable crops	2	15	-	15	5	5	10	25
3-4 April	PF	Cultivation technique of summer Cucurbitaceous crops	2	15	-	15	5	5	10	25
30-31 May	PF	Fertilizer management of Aonla, Ber, Lemon, Guava & Mango	2	12	2	14	4	3	7	21
21-22 June	PF	Nursery raising technique of kharif vegetable	2	15	3	18	2	3	5	23
24-25 July	PF	HDP technique of Mango and Guava fruit crops	2	10	5	15	2	3	5	20
21-22 Sept.	PF	Cultivation techniques of Spices crops	2	13	3	16	4	1	5	21
27-28 Oct.	PF	Nutritional health benefits of Exotic vegetables	2	13	3	16	5	2	7	23
4-5 Dec.	PF	Cultivation technique of flower plant	2	10	2	12	5	2	7	19
<b>Live Stock Production.</b>										

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
24-25 Jan.	PF	Calves diseases and their Control.	2	5	5	10	5	5	10	20
24-25 Feb.	PF/FW	Methods of milking for fresh milk production.	2	5	5	10	5	5	10	20
10-11 March	PF/FW	Arrangement of green fodder for Livestock in Summer Season.	2	5	5	10	5	5	10	20
7-8 April	PF	Health problems and their control in live stock.	2	10	-	10	10	-	10	20
10-11 May	PF	Application of vaccination schedule in farm animal.	2	15	-	15	5	-	5	20
16-17 June	PF/FW	Management of Pregnant Buffaloes.	2	5	5	10	5	5	10	20
7-8 July	PF	Pig diseases and their control.	2	-	-	-	20	-	20	20
8-9 Aug.	PF	Commercial Poultry farming.	2	15	-	15	5	-	5	20
15-16 Sept.	PF	Preparation of balance ration for Livestock.	2	15	-	15	5	-	5	20
13-14 Oct.	PF/FW	Control of mastitis in dairy animals.	2	5	5	10	5	5	10	20
10-11 Nov.	PF/FW	Control of Kid mortality.	2	5	5	10	5	5	10	20
8-9 Dec.	PF/FW	Preparation of quality Milk products.	2	5	5	10	5	5	10	20
<b>Agril. Engg.</b>										
22-23 Jun	PF	Watershed management in rain fed area to increasing water storage capacity	2	15	-	15	5	-	5	20
16-17 July	PF	Preparation of field for rice transplantation	2	18	-	18	5	-	5	23
20-21 Nov.	PF	Use of sprinkler in Rabi pulses	2	17	-	17	5	-	5	22
23-24 Dec	PF	Use of improved agricultural implements for intercultural operation	2	8	-	8	-	10	10	18
<b>Home Sc.</b>										
13-14 Apr	FW	Value addition of lentil for good health and their comparative study with other pulses	2	-	15	15	-	5	5	20
19-20 Apr	FW	Storage technique of food grains	2	-	15	15	-	5	5	20
18-19 May	FW	Dehydration of vegetable – Bari, Papad, chips	2	-	15	15	-	5	5	20
12-13 Jul	FW	Planning of kharif vegetable in nutritional kitchen garden	2	-	15	15	-	5	5	20
16-17 Aug.	FW	Management of SHG formation for entrepreneurship	2	-	15	15	-	5	5	20
21-22 Sept.	FW	Processing and cooking method of moringa leaves and its nutritious	2	-	15	15	-	5	5	20

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
		dishes								
04-05 Oct.	FW	Planning and establishment of nutritional kitchen garden to prevent micro nutrient disease	2		15	15	-	5	5	20
25-26 Oct.	FW	Prevention and control of Anemia in adolescent girl through iron rich recipe	2		15	15	-	5	5	20
<b>Plant Protection</b>										
15-16 Feb.	PF	Rat and termite control in Rabi crops	2	15	5	20	8	-	8	28
20-21 Mar	PF	Control of YMD in Kharif green gram	2	10	5	15	5	4	9	24
21-22 Sept.	PF	Control of leaf roller in rice	2	10	5	15	6	4	10	25
07-08 Oct.	PF	Use of Trichoderma and Vitavax power for wilt control	2	12	4	16	8	4	12	28
<b>Fisheries</b>										
28-29 Sept.	PF	Management of pond water characteristics	2	10	-	10	5	-	5	15
08 Oct.	PF	Post stocking management	1	10	-	10	2	-	2	12
<b>Soil health</b>										
27 Sept.	PF	Soil sampling for crops and vegetables	1	12	3	15	3	2	5	20
15 Oct.	PF	Methods of compost preparation	1	12	2	14	5	5	10	24

## ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G. Total
					M	F	T	M	F	T	
Poultry Production	Poultry management	Poultry rearing	Feb 23	5	10	-	10	10	-	10	20
IGA	Rural Craft	Creative arts through Waste materials and Bandhani and Batic	March 23	3	0	15	15	0	5	5	20
IGA	IGA	Different types of bags	Mar. 23	10	0	15	15	0	5	5	20
Pearl culture	Fresh water pearl culture	Fresh water pearl culture	April,	5	16	0	16	6	0	6	22
IGA	IGA for empowerment of rural Women	Entrepreneurship development program for economic strengthen of rural	April 23	60	0	15	15	0	5	5	20

		youth through fashion designing									
IGA	Value addition	Value addition of Mango	Jun. 23	5	0	15	15	0	5	5	20
Piggery	Piggery management	Pig farming	July	5	-	-	-	20	-	20	20
Dairying	Dairy management	Management of dairy animal	August	5	15	-	15	5	-	5	20
Dairying	Dairy management	Management of dairy animal	Aug 23	5	15	-	15	5	-	5	20
IGA	Value addition	Value addition In Karaunda	Sept. 23	3	0	15	15	0	5	5	20
Vermiculture	Production of quality animal products	Promotion of organic manure production	September	5	15	-	15	5	-	5	20
Vermiculture	Production of quality animal products	Promotion of organic manure production	Sept 23	5	15	-	15	5	-	5	20
Seed Production	Pulse seed prod. technique	Seed production technology of Rabi pulses	Oct. 23	5	10	0	10	5	0	5	15
Sheep and goat rearing	Sheep & Goat management	Establishment of Goat unit	October	5	10	-	10	10	-	10	20
Pearl culture	Fresh water pearl culture	Fresh water pearl culture	Oct 23	5 days each	16	0	16	6	0	6	22
Nursery production	Nursery management	Polyhouse Nursery: Production and Protection for young youth	20-25 Nov.	6	10	-	10	5	2	7	17
IGA	Value addition	Value addition of Aonal and other fruit and vege.	Dec. 23	5	0	15	15	0	5	5	20

### iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>On Campus</b>										
2-3 .06. 23	ATM/BTM	Plug-tray Nursery Raising Technology for Vegetables	2	15	-	15	5	-	5	20
10.07.23	Anganwadi worker	Diet management for preschool going children	1	0	15	15	0	05	5	20
12-13 .07. 23	Agriculture Deptt.	Integrated fertilizer mgt. of kharif pulses under rain fed condition	1	10	-	10	8	-	8	18
10.09.23	Anganwadi worker	Diet management for Pregnant and lactating mother	1	0	15	15	0	05	5	20



17.09.23	Anganwadi worker	Training on nutritional kitchen gardening	1	0	15	15	0	5	5	20
22.09.23	Department of AH	Management in farm animals	1	15	-	15	5	-	5	20
18.10.23	Agriculture Deptt.	Productivity enhancement in field crops	1	15	-	15	5	-	5	20
12-13 .11.23	Agriculture Deptt.	Natural Farming	1	10	0	10	10	0	10	20
24.11.23	Department of AH	Livestock feed and fodder production	1	15	-	15	5	-	5	20

#### iv) Sponsored programme

Discipline	Sponsorin g agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
<b>a) Sponsored training programme</b>											
Horticultu re	NHM	Deptt. of Horticult ure	Vegetable and fruit plant cultivation	4	100	-	100	50	-	50	150
ATMA	Agri. deptt.	farmer	Water management	4	45	-	45	40	-	40	95
Animal Sc.	BAIF	Breed Up-gradation	Reproductive problems in farm animals and their control.	1	15	-	15	5	-	5	20
<b>b) Sponsored research programme</b>											
<b>Total</b>											
<b>c) TSP training</b>											
KVK	TSP Project	PF/FW	Production technology of kharif crops	2	-	-	-	40	10	50	50
Chitrakoot		PF/FW	Rabi pulses production under rain fed condition	1	-	-	-	21	4	25	25
		PF/FW	IPM and IDM in rabi crops	2	-	-	-	30	10	40	40
		PF/FW	Entrepreneurship development training	1	-	-	-	15	5	20	20
		PF/FW	Tailoring and stitching	1	-	-	-	15	5	20	20
		PF/FW	Goat Rearing	1	-	-	-	15	5	20	20
		PF/FW	Poultry Keeping	1	-	-	-	15	5	20	20
		PF/FW	Grain storage	1	-	-	-	15	5	20	20

## Annexure-I

### Action Plan of KVKs for Knowledge Systems and Homestead Agriculture Management in Tribal Areas (KSHAMTA)

January to December 2023

**No Tribal Population available in the district as per Government list**

**Name of KVK: Chitrakoot**

**Percentage of Tribal Population in District: 0 % (366 As per census 2011)**

Kol caste population - 39,472 comes under scheduled caste in Uttar Pradesh

**Number of tribal dominated villages in District:**

Village	Percentage of Tribal Population	
	More than 50%	25-50%
Gopipur	-	40% Kol Population
Karauha	95% Kol Population	-
Dadi Kolan	70% Kol Population	-
Chheriha Dandi	75% Kol Population	-
Umari	80% Kol Population	-

#### Village-wise categories of farmers and their resources:

Name of Village	Categories of farmers on the basis of land holding	No. of farmers	Major production systems followed	Categories-wise Availability of production resources
Karauha	Marginal	265	Fallow – Wheat/Chick pea/ Lentil	<ul style="list-style-type: none"> <li>➤ Bullock drawn equipments</li> <li>➤ Diesel engine</li> <li>➤ Seasonal Nala for irrigation</li> <li>➤ Local variety of crops</li> <li>➤ Check- dam</li> <li>➤ Local breed of animal</li> </ul>
Dadi Kolan	Marginal	121	Til – Chick pea/ wheat	
Jarwa dandi	Marginal	180	Fallow - Wheat	
Umari	Marginal	110	Til/ green gram – Wheat/ Chick pea	

#### Brief Agro-eco system analysis of the villages:

#### Important proven Technologies identified by KVK/SAU/ICAR Institute for dissemination in Tribal Communities and farmers

(Technologies each in area of farm machinery, value addition, horticulture, employment generation, crop science, NRM, animal husbandry and other areas with detailed impact of those technologies etc.)

Thematic area	Technology with details
Crop diversification	Rice – Wheat/ Chick pea/ Lentil- Dairy Sesame – Chick pea – Goat rearing Pigeon pea + Sorghum +Green gram - Poultry
NRM (Climate resilient technologies)	Ridge and furrow methods of sowing DSR techniques In situ moisture conservation by Deep ploughing, Mulching, Varietal Replacement
NRM (Water saving technologies)	Levelling and bunding, Water harvesting in farm pond, Gabion structure to check water flow, Micro irrigation techniques

Hi tech Horticulture	Fruit and vegetable nursery, Plantation of Aonla, Lemon, Karonda, Moringa, Established Guava medo orchards, Establishment of nutritional kitchen garden
Farm Machinery/ Community storage	Sprinkler system, Tractor drawn seed drill, ridge maker, Laser land leveller, Spryer, duster, Thresher and small agricultural tools
Entrepreneurship/ Employment Generation	Rajgir training, Training of sewing and stitching, Vegetable and fruit nursery production, Market linkage, Bee keeping, Mushrooms production
Processing and Value Addition	Preparation of Papad, Badi, Pickels, Dal, Multi grain Flour, Processing and packaging of grains
Animal Sciences and Fisheries	Poultry farming, Dairy, Goatery-Bundelkhandi breed, establishment of portable poultry hatchery, Fishery.

### Collection and documentation of indigenous traditional knowledge system

(ITKs may be collected and documented by Scientist of KVK)

Sr. No.	Problem	Title of ITK	ITK rationale & Details	Identified ITKs for validation and reasons there of
1	Ticks in live stock	Use of Tobacco leaves and kerosene		
2	Weed infestation in paddy	Puddling		
3	Leaf curl disease in tomato & chilli	Use of cow urine with neem leaves	10 lit urine+1kg leaves	
4	Storage & Fruit borer	Neem cake	1 kg /q of seed 7 for spray	

### Community assets to be created through KVK Interventions

Sr. No.	Activity proposed	Community Assets proposed to be created		Location (Village and Block)	No of targeted beneficiaries to be benefited	Details of equipments with cost (Rs)	Total Financial allocation (Rs)		% of contribution to Total Financial allocation by community (Rs)	
		Name	Number				Capital	General	Capital	General
1	Safe storage of Grain	Seed Storage Bin	25	Umari	25	5 Q capacity GI Bins @ Rs. 3500/-Per bin	87500	50000	00	00
2	Cutting and Stitching	Stitching machine	20	Chheriha Dandi and Umari	20	Stitching machine Rs. 6000/-	120000	5000	00	00
3	Implements (CHC)	Agricultural tools	01 set	Chheriha Dandi and	200	Tractor,Seed drill-01, Knapsak	1060000	-	00	00

				Umari		Sprayer-10, Duster-10, Thresher- 01, Ridge maker-01				
4	Processing unit	Milling unit	02 each	Chheriha Dandi and Umari	100	Dal, Masalal making Nirma powder Machine	300000	50000	00	00

#### Protection and conservation of farmer varieties

Sr. No.	Category	Crop name	Variety name & detail	Varieties applied for registration	Varieties registered
1	Cereals	Paddy Wheat Jowar	Lochai Kathiya White jowar	-	-
2	Oilseed	-		-	-
3	Pulses	Pigeon pea	Deshi	-	-
4	Vegetable	Bottle gourd	Round deshi	-	-
5	Fruits	Chironji	Local	-	-

#### Nutritional Sensitive Agriculture

Sr. No.	Details of Residential tribal schools in district (Village)	Girls School	Boys school	Girls & Boys School	No. of school having area for nutrition garden	Financial allocation required (Rs)
1	Karauha	-	-	-	01	5000
2	Dadi Kolan	-	-	-	01	5000
3	Chheriha Dandi	-	-	-	01	5000
4	Umari	-	-	-	01	5000

#### Community/ homestead nutrition garden

Particulars	Number	Cost/unit	Total cost (Rs)
Community nutrition garden	02	5000	20000
Homestead nutrition garden	200	2000	400000

#### Change in cropping plan for ensuring nutritional security through integration of scientific research and ITK

Particulars	Details
Present cropping plan	Not recognised
Proposed future cropping plan	all season Vegetables –Seasonal Fruits (Papaya, Lemmon, Karonda, Anola & Moringa )

#### Market linkages, Group and Community Approach by KVKs

Sl.	Group details	Activities involved	Members/ beneficiaries involved
1	02 SHG	Poultry Producer	20
2	02 SHG	Processing and value addition	50

#### Strategy for linking with other ongoing schemes of state/central government

Sl.	Areas of Linkage	Name of govt. sponsored Scheme	Nature of linkage
1	Training and crop production	State agril. department	Skill development, inputs and supporting services
2	Demonstration	State agril. department	Crop production to enhance the productivity
3	Live stock	State animal husbandry department	Skill development, Vaccination, health and supporting services
4	Horticulture	State horticulture and food processing department	Skill development, inputs and supporting services
5	Child and women development	State Child and women development department	Skill development, health and supporting services

#### Details of equipments under capital

Sl.	Particulars (Name of equipments)	Number	Cost / unit (Rs)	Total Cost (Rs)
1	5 Q capacity GI Bins @ Rs. 2500/-Per bin	25	3500	125000
2	Stitching machine 2 village@ Rs. 6000/- each	20	6000	120000
3	Duster	5	2000	10000
4	Thresher	01	140000	140000
5	Ridge maker	02	35000	70000
6	Dal mill	01	75000	75000
7	Flour Mill	02	75000	150000
8	Nirma powder	10	6000	60000
	<b>Total</b>			<b>750000</b>

#### Details of works under capital

Sl.	Particulars (Details of work)	Area ha.	Number	Cost / unit (Rs)	Total Cost (Rs)
1	Bunding	20	20	20000	400000

#### Recurring Expense

Sl.	Details of work	Area ha	Number	Cost / unit ((Rs) /ha	Total Cost (Rs)
1	Crop demonstration (Rabi, kharif)	150	400	90000	1350000
2	<b>Live stock demonstration- each)</b>				<b>0</b>
	poultry(25 birds)		20	4000	80000
	Goatry (2+1)		10	20000	200000
	Buffalo		5	60000	300000
4	<b>Horticulture</b> Fruit and vegetable nursery shed, Plantation of Fruit Plants with fencing,	1 ha	6	200000	200000
5	<b>Drudgery reduction technology demonstration</b>				<b>0</b>
	Harvesting mitten, Sickles, Fertilizer broadcaster, Water carrier wheel water drum		50 each	20000	100000
6	Nutrition kitchen garden		200	400	80000
	<b>Total</b>				<b>2310000</b>
	<b>Total(Capital+ Revenue/General)</b>				<b>3060000</b>

## Annexure-II

### NICRA Technology Demonstration Component (TDC) Tulsi Krishi Vigyan Kendra, Ganiwan, Chitrakoot (UP) Farming systems typologies Based Action Plan 2023

**Selected Village: Titihara , Rampurva , Baihar & Hariharpur**

#### 1.0 Basic information

S.No.	Item	Detail
1.1	Zone	III
1.2	Name of KVK (district)	Tulsi Krishi Vigyan Kendra,Chitrakoot (U.P.)
1.3	Name of Tehsil	Rajapur
1.4	Name of Village	Ganiwan
1.5	Climatic vulnerability	Drought

#### Farming systems typologies of the NICRA villages (area)

FST (Farming system Typologies identified)	Village 1 (Titihara)	Village 2 (Rampurva)	Village3 (Baihar)	Village4 (Haiharpur)
	Year of involvement in NICRA (2011)	Year of involvement in NICRA (2015)	Year of involvement in NICRA (2019-20)	Year of involvement in NICRA (2022)
<b>Rainfed without Animal (Crop + Horti)</b>	<ul style="list-style-type: none"> <li>• Traditional practices,</li> <li>• No use of drought tolerant crop varieties,</li> <li>• Single crop rotation</li> <li>• Low soil fertility level,</li> <li>• Poor water harvesting system</li> </ul>	<ul style="list-style-type: none"> <li>• Use existing practices,</li> <li>• No use of drought tolerant crop varieties,</li> <li>• Single crop rotation</li> <li>• Low soil fertility level,</li> <li>• Poor water harvesting system</li> </ul>	<ul style="list-style-type: none"> <li>• Use existing practices,</li> <li>• No use of drought tolerant crop varieties,</li> <li>• Single crop rotation</li> <li>• Low soil fertility level,</li> <li>• Poor water harvesting system</li> </ul>	<ul style="list-style-type: none"> <li>• Use existing practices,</li> <li>• No use of drought tolerant crop varieties,</li> <li>• Single crop rotation</li> <li>• Low soil fertility level,</li> <li>• Poor water harvesting system</li> <li>• Low ground water level</li> </ul>
<b>Rainfed with Animal( Crop + Livestock)</b>	<ul style="list-style-type: none"> <li>• Poor facilities of Animal,</li> <li>• Poor arrangement of feed and fodder for Animal,</li> <li>• Poor quality in animal breed,</li> <li>• No use of drought tolerant crop varieties,</li> <li>• Single crop rotation</li> <li>• Low soil fertility</li> </ul>	<ul style="list-style-type: none"> <li>• Poor facilities of Animal,</li> <li>• Poor arrangement of feed and fodder for Animal,</li> <li>• Poor quality in animal breed,</li> <li>• No use of drought tolerant crop varieties,</li> <li>• Single crop rotation</li> <li>• Low soil fertility</li> </ul>	<ul style="list-style-type: none"> <li>• Poor facilities of Animal,</li> <li>• Poor arrangement of feed and fodder for Animal,</li> <li>• Poor quality in animal breed,</li> <li>• No use of drought tolerant crop varieties,</li> <li>• Single crop rotation</li> </ul>	<ul style="list-style-type: none"> <li>• Poor facilities of Animal,</li> <li>• Poor arrangement of feed and fodder for Animal,</li> <li>• Poor quality in animal breed,</li> <li>• No use of drought tolerant crop varieties,</li> <li>• Single crop rotation</li> <li>• Low soil fertility</li> <li>• Low ground water level</li> </ul>

<b>Rainfed with Animal (Crop + Horti + Livestock)</b>	<ul style="list-style-type: none"> <li>• Poor facilities of soil and water conservation</li> <li>• Poor quality of feed and fodder for animal</li> <li>• No use of drought tolerant crop varieties</li> <li>• Single crop rotation</li> <li>• Low soil fertility</li> </ul>	<ul style="list-style-type: none"> <li>• Poor facilities of soil and water conservation</li> <li>• Poor quality of feed and fodder for animal</li> <li>• No use of drought tolerant crop varieties</li> <li>• Single crop rotation</li> <li>• Low soil fertility</li> </ul>	<ul style="list-style-type: none"> <li>• Poor facilities of soil and water conservation</li> <li>• Poor quality of feed and fodder for animal</li> <li>• No use of drought tolerant varieties</li> <li>• Single crop rotation</li> <li>• Low soil fertility</li> </ul>	<ul style="list-style-type: none"> <li>• Poor facilities of soil and water conservation</li> <li>• Poor quality of feed and fodder for animal</li> <li>• No use of drought tolerant crop varieties</li> <li>• Single crop rotation</li> <li>• Low soil fertility</li> <li>• Low ground water level</li> </ul>
<b>Irrigated without Animal (Crop+Horti)</b>	<ul style="list-style-type: none"> <li>• Use traditional practices of crop cultivation,</li> <li>• No use of drought tolerant crop varieties,</li> <li>• Unavailability of quality seed/planting material</li> <li>• Limited options of agriculture and horticulture crops</li> <li>• Indiscriminate use of irrigation facilities,</li> <li>• Least soil &amp; water conservation practices</li> </ul>	<ul style="list-style-type: none"> <li>• Use existing practices of crop cultivation,</li> <li>• No use of drought tolerant crop varieties,</li> <li>• Unavailability of quality seed/planting material</li> <li>• Limited options of agriculture and horticulture crops,</li> <li>• Flood irrigation system</li> <li>• Least soil &amp; water conservation practices</li> </ul>	<ul style="list-style-type: none"> <li>• Use existing practices of crop cultivation,</li> <li>• No use of drought tolerant crop varieties,</li> <li>• Unavailability of quality seed/planting material</li> <li>• Limited options of agriculture and horticulture crops,</li> <li>• poor irrigation technology</li> <li>• Least soil &amp; water conservation practices</li> </ul>	<ul style="list-style-type: none"> <li>• Unaware about drought tolerant,</li> <li>• Limited options of agriculture and horticulture crops,</li> <li>• No irrigation facility,</li> <li>• No soil and water conservation measures</li> <li>• Unavailability of quality seed/planting material</li> <li>• Undulated topography</li> <li>• Unavailability of quality seed</li> <li>• Limited irrigation facilities.</li> </ul>

<b>Irrigated with Animal (Animal + Crop + Harti)</b>	<ul style="list-style-type: none"> <li>• Traditional practices of crop cultivation,</li> <li>• No use of drought tolerant crop varieties,</li> <li>• Unavailability of quality seed/planting material</li> <li>• Imbalance use of fertilizer</li> <li>• Limited options of agriculture and horticulture crops,</li> <li>• Poor nutritional security,</li> <li>• Flood irrigation system</li> <li>• Least soil &amp; water conservation practices</li> </ul>	<ul style="list-style-type: none"> <li>• Use existing practices of crop cultivation,</li> <li>• No use of drought tolerant crop varieties,</li> <li>• Unavailability of quality seed/planting material</li> <li>• Imbalance use of fertilizer</li> <li>• Limited options of agriculture and horticulture crops,</li> <li>• technology adoption,</li> <li>• Poor nutritional security,</li> <li>• Flood irrigation system</li> <li>• Least soil &amp; water conservation practices</li> </ul>	<ul style="list-style-type: none"> <li>• Traditional practices of crop cultivation,</li> <li>• No use of drought tolerant crop varieties,</li> <li>• Unavailability of quality seed/planting material</li> <li>• Imbalance use of fertilizer</li> <li>• Limited options of agriculture and horticulture crops,</li> <li>• Poor nutritional security,</li> <li>• Flood irrigation system</li> <li>• Least soil &amp; water conservation practices</li> </ul>	<ul style="list-style-type: none"> <li>• Traditional practices of crop cultivation,</li> <li>• No use of drought tolerant crop varieties,</li> <li>• Unavailability of quality seed/planting material</li> <li>• Limited options of agriculture and horticulture crops,</li> <li>• Imbalance use of fertilizer</li> <li>• Poor economic status</li> <li>• Poor nutritional security,</li> <li>• Flood irrigation system</li> <li>• Least soil &amp; water conservation practices</li> </ul>
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### Activities and costs

#### Module 1 – NRM interventions

*Repair / Renovation of existing water harvesting structures & drainage channels etc.*

S.No.	Intervention*	Dimension	No. of Beneficiaries	Cost to project (Rs)
1	Repair of open well	8 width x 25 feet height	5	125000.00
<b>Total -</b>				<b>125000.00</b>

#### *In situ* conservation – Resource Conservation Technologies (RCTs)

Item (specify)	Unit cost Rs/acre	No of demos	Coverage		Amount (Rs)	Remarks
			Area (acres)	No. of farmers		
Bunding, Leveling	20000.00	20	10	20	200000.00	For moisture conservation and timely sowing of crops in drought condition



Farm Pond	50000.00	2	2	2	100000.00	To improve fruit quality and additional income from available wild plants
Soil testing	150.00 sample	50	100 sample	60	15000.00	Balance use of fertilizer to enhance productivity
<b>Total</b>				<b>- 85</b>	<b>315000.00</b>	

## Module II – Crop production interventions

### Stress tolerant / improved varieties

Item*	Description		Coverage		Amount (Rs)
	Crop	Variety (s)	Area (ha)	No. of farmers	
Drought	Chickpea, Lentil, Veg. pea	All varieties will be used which released within 5 year	15	90	180000/-
High temperature stress	Wheat		15	50	75000/-
Short duration varieties	Pigeon Pea		5.0	20	20000/-
	Rice		5.0	10	12500/-
Agro-forestry	Plantation of fruit plants aonla and Lemon				
Oil Seed crops	Sesame, Mustard		20	50	37500/-
Seed for green manuring	Green manuring		5.0	12	10000/-
Seed for legume catch crops	Green gram		10	30	16000/-
<b>Total</b>					<b>351000/-</b>

### Improved agronomic practices and other crop interventions

Item*	Cost (Rs)/ acre	Coverage		Amount (Rs)	
		Area (ha)	No. of farmers		
Water saving paddy cultivation methods	DSR	4000/-	2.0	10	40000/-
Short duration Pigeon pea	Transplanted Pigeon pea	12000/-	1.0	5	24000/-
Mushroom cultivation		10000/-	2 units	2	20000/-
<b>Total -</b>				<b>17</b>	<b>84000/-</b>

## Module 3 – Livestock & Fisheries interventions

### Year round fodder production strategies (annual/perennial fodder) in the village

Intervention/ Season	Name of fodder/ technology	Variety	Area (ha)/unit	Amount (Rs)*	Remarks (no. Of farmers covered)
<i>Kharif</i>	Chari	Sudan	3.0	6000/-	10
Perennial grass	Napier grass	HYV	0.50	15000/-	50
Goat farming	Suitable breed	Bundalkhandi	10	80000/-	05
Fish farming	IMC	Rohu, Catla, Nain Fingerling	3.0	25000/-	05
<b>Total -</b>				<b>126000/-</b>	<b>70</b>

**Feed demonstrations for crop residue management / stress management: silage / feed blocks/ mineral mixture(MM) blocks / feed enrichment**

Details of feed demo*	No. Of demos	Amount (Rs)	Remarks (no. Of farmers covered)
Mineral mixture demos	100	25000/-	100
Moringa plantation	100	20000/-	100
Vermi compost bag	10	60000/-	10
Feeding management & disease control programme in livestock (Total Mixed Ration, Mineral block, medicines & disinfectant solution)		5000/-	50
<b>Total -</b>		<b>110000/-</b>	<b>260</b>

**Improved housing /shelter for protection of livestock against extreme weather**

Type of shelter improvement*	Unit cost of demo (Rs)	No. of demos	Amount (Rs)	Remarks (no. of farmers covered)
Low cost poultry house	15000/-	3	45000/-	3
<b>Total -</b>		<b>3</b>	<b>45000/-</b>	<b>3</b>

**Livestock / Fisheries units**

Enterprise/unit*	Unit cost (Rs)	No. Of units	Cost to Project (Rs)	Remarks on beneficiary category (SC/ST/BC/ Women etc)
Preventive Vaccination	100/-	150	15000/-	To all community
Control of parasite	40/-	100	4000/-	To all community
Back yard poultry farming	5000/-	03	15000/-	
<b>Total</b>			<b>34000/-</b>	

Name of the SHG	Crop and variety	Quantity of storage (t)	Unit cost (Rs.)	No. Of units	Amount (Rs.)	Remarks (No. Of beneficiaries & Period of use)
LAINA BABA SHG	Chick pea(Pusa-1103-KGD 1168)	0.5	2000/-	05	10000/-	A group of 10 farmers in the form of SHG has formed for Seed Bank
	Wheat(GW-273 GW 366)	0.5	2000/-	05	10000/-	
	Sesamum (Pragati)	0.5	2000/-	05	10000/-	
<b>Total</b>				<b>15</b>	<b>30000/-</b>	

**Capacity Building & Training Programmes**

**Training Courses**

Theme	Title of training course	Proposed month	No. Of participants	Cost to project (Rs.)

	Deep ploughing in summer	May	26	2600/-
	Soil testing for nutrient management	May	24	2400/-
	Resource conservation technologies	June	20	2000/-
	Green manuring	July	26	2600/-
	Improve nutritional status through kitchen Gardening	July /Oct	50	5000/-
	Rain water harvesting	August	24	2400/-
	Goat Keeping	September	23	2300/-
	Poultry farming	September	25	2500/-
	SHG, Seed club formation	October	23	2300/-
	Weed management in Rabi crops	November	20	2000/-
	Fertilizer management in crops	December	25	2500/-
	Disease management in Rabi crops	January	22	2200/-
	Insect control in pulse crops	February	24	2400/-
<b>Gosthi</b>	5 gosthi	-	150	15000/-
<b>Vocational training</b>	Mushroom cultivation	-	75	33000/-
	Poultry farming	-		
	Seed production	-		
<b>Total</b>				<b>81200/-</b>

### Field Days

Theme	Title of training course	Proposed month	No. of participants	Cost to project (Rs.)
	Green gram Summer	June	30	3000/-
	Rice	August	20	2000/-
	Short duration Pigeon pea	November	15	1500/-
	Wheat crop	January	25	2500/-
	Sprinkler irrigation in Chick pea	February	40	4000/-
	Veg pea	January	20	2000/-
<b>Total</b>			<b>120</b>	<b>15000/-</b>

### Exposure Visits

Place of visit	Purpose of visit	Proposed month	No. of participants	Cost to project (Rs.)
IIVR Varanasi	Knowledge upgrade	October	25	50000/-

### Up-scaling of Successful Interventions

Sl.No.	Name of	Unit cost/ha	No. of	Cost to	Remarks
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	technology	(Rs.)	farmers covered	project (Rs.)	(justification)
1.					
<b>Sub-total 7.0</b>					

#### Contractual Manpower (SRFs)

Category	Rate/month (Rs.)	No. of positions	No. of months	Amount (Rs.)
SRF	40000/-	1	12	480000/-
Manpower 100days	250/day			25000/-
<b>Total</b>				<b>505000/-</b>

#### Media Products to be developed (brochure/bulletin)

Item description	No. of copies	Amount (Rs.)
Folder	5000	25000/-
CD vedio	50	15000/-
<b>Total</b>		<b>40000/-</b>

#### Summary of budget Estimates for 2023

Sr.No,	Item	Amount (Rs)
1	Repair / Renovation of existing water harvesting structures & drainage channels etc.	<b>125000/-</b>
2	In situ conservation – Resource Conservation Technologies (RCTs)	<b>315000/-</b>
3	Stress tolerant / improved varieties	<b>351000/-</b>
4	Improved agronomic practices and other crop interventions	<b>84000/-</b>
5	Year round fodder production strategies (annual/perennial fodder) in the village	<b>126000/-</b>
6	Feed demonstrations for crop residue management / stress management: silage / feed blocks/ mineral mixture(MM) blocks / feed enrichment	<b>110000/-</b>
7	Improved housing /shelter for protection of livestock against extreme weather	<b>45000/-</b>
8	Livestock / Fisheries units	<b>34000/-</b>
9	Establishment of Seed banks	<b>30000/-</b>
10	Capacity Building & Training Programmes	<b>81200/-</b>
11	Field Days	<b>15000/-</b>
12	Exposure Visits	<b>50000/-</b>
13	Contractual manpower (SRFs)	<b>505000/-</b>
14	Media products to be developed	<b>40000/-</b>
15	Any other contingencies (TA/DA, POL, Office exp)	<b>40000/-</b>
	<b>Grand total</b>	<b>1951200/-</b>

### Annexure-III

## Deendayal Research Institute , Krishi Vigyan Kendra, Ganiwan, Chitrakoot (U.P.) Gramin Krishi Mausam Seva, DAMU Action Plan - 2023

#### 1. Agro advisory Services

Sl.	Activities	No.	Beneficiaries	Budget required( Rs.)
i	Agro advisory bulletin (Each Tuesday and Friday)	104	5000	0
ii	SMS Weather alert	60	5000	0
	<b>Total</b>	<b>164</b>	<b>10000</b>	<b>0</b>

#### 2. Farmers Awareness Programms

Sl.	Place	Topic	No.	Beneficiaries	Budget required ( Rs.)
i	Karwi	Integrated Crop Management of Kharif Season	2	100	10000
		Role of weather based input Management Techniques			
ii	Manikpur	Utilize techniques of Meghdoot and Damini apps	2	100	10000
		Fertilizer management in rabi cereals crop			
iii	Pahari	Use of weather forecast in Irrigation practices in rabi crop	2	100	10000
		Role of weather based input Management Techniques			
iv	Mau	How to use of weather forecast in agriculture activities	2	100	10000
		How to apply of Agromet Advisory in Agriculture field			
v	Ramnagar	Use of weather forecast in Harvesting and storage management Techniques.	2	100	10000
		Use of weather forecast in pesticide spraying of agriculture crop			
		<b>Total</b>	<b>10</b>	<b>500</b>	<b>50000</b>

#### 3. Field Visit and Farmers Meet

Sr. n.	Activities	No.	Beneficiaries	Budget required( Rs.)
i	Farmers Meet	24	300	50000
ii	Diagnostic Visit	12	120	25000
	<b>Total</b>	<b>36</b>	<b>420</b>	<b>75000</b>

#### 4. Crop weather calendar and pest and disease forewarning

Sl.	Activities	No.	Beneficiaries	Budget required( Rs.)
i	Crop Weather Calendar (Paddy, pearl millet)	2 (crops)	-	5000
	<b>Total</b>	<b>-</b>	<b>-</b>	<b>5000</b>

#### 5. Farmers Connected through Social Media

Sl.	Activities	No.	Beneficiaries	Budget required (Rs.)
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<b>i</b>	Farmers connected through whatsapp	5000	5000	0
<b>ii</b>	Farmers connected by Meghdoot & Damini apps	500	1000	0
<b>iii</b>	Village Covering	553	35000	20000
	<b>Total</b>	<b>6053</b>	<b>41000</b>	<b>20000</b>

#### 6. Farmers Feed Back

Sl.	Activities	No.	Beneficiaries	Budget required (Rs.)
<b>i</b>	Farmers feed back	500	-	0
<b>ii</b>	Dynamic feedback crop wise	250	-	0
<b>ii</b>	Impact analysis of weather forecast	50	50	0
	<b>Total</b>	<b>800</b>	<b>50</b>	<b>0</b>

#### Publication and Developing video whatsapp and Telegram group

Sl.	Activities	No.	Beneficiaries	Budget required (Rs.)
<b>i</b>	Publication (leaflet and bulletin)	4	1000	10000
<b>ii</b>	Developing weather based vedios	10	0	5000
<b>iii</b>	create telegram account	20	1000	0
<b>iv</b>	create new whatsapp group	25	1000	0
	<b>Total</b>	<b>59</b>	<b>3000</b>	<b>15000</b>

#### Purchasing and Salary

Sl.	Activities	No.	Beneficiaries	Budget required (Rs.)
<b>i</b>	Purchase a Soil moisture equipment	1 kit	-	10000
<b>ii</b>	Salary of staff	2		1416000
<b>iii</b>	TA DA	-		50000
	<b>Total</b>			<b>1476000</b>
	<b>Grand Total</b>			<b>1641000</b>

### Annexure-IV

#### Action Plan For Doubling Farmers Income 2023

##### Village- Anandpur & Kandhvaniya

Cropping System	Number of farmer in each villages	Intervention	Area (ha)
<b>Crop based</b>			
Paddy- wheat	12	HYV, Bioagent, INM, IPM	6
Sesame – Gram/lentil- Green gram	12	HYV, Bioagent, INM, IPM	5
Paddy – gram- Okra	10	HYV, Bioagent, INM, IPM	5
<b>Vegetable Based</b>			
Green gram – Vegetable pea – Okra	10	HYV, Bioagent, INM, IPM	5
Sesame – cauliflower- Green gram	10	HYV, Bioagent, INM, IPM	4
Paddy – Kabuli gram- Okra	5	HYV, Bioagent, INM, IPM	4

<b>Live stock Based</b>			
Crop- Buffalo-Dairy product	10	Feeding,Vaccination , Value addition	10
Crop – Dairy Vermicompost	10	Feeding,Vaccination , Compost making	10
<b>Women empowerment</b>			
Nutritional Kitchen garden	10	HYV,Planning	50 <sup>2</sup> M
SHG based processing and value addition	10	Training ,input and marketing	2 Group
Skill development	25	Training on Tailoring, Bag making, pickles making	
Value addition	10	Making of Sattu, Pickles and Bari	10
<b>TOTAL</b>	<b>134</b>		

**Annexure-V**  
**Action Plan for NARI- 2023**  
**Village- Anandpur and Kandhvaniya**

<b>Cropping System</b>	<b>Number of farmer</b>	<b>Intervention</b>	<b>Area (ha)</b>
Cultivation of Bio fortified Pulses, millets and cereals	10	HYV,Bioagent	2
Processing and value addition for nutrient fortification	10	Training	10
Establish Nutritional Kitchen garden in schools	10	HYV,Bioagent	5
Preparation of nutritious food from locally available products	10	Training	10
Making of Poshan Thali	10	Training and demo	10
Health awareness gosthie	5	Gosthie	5
Preparation of poshan calendar for children and pregnant women	2 Village	Awareness	25
Preparation of nutritious dishes from Mahuva and Moringa leaves	20	Awareness camp	-
Care and management of Anemia in Adolescent girl	30	Awareness proramme	-

## DETAILS OF ACTION PLAN OF KVK DURING 2023

(January to December, 2023)

### KVK –AWAGARH,ETAH

#### 1. GENERAL INFORMATION ABOUT THE KVK

##### 1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail	Website
	Office	FAX		
Krishi Vigyan Kendra, Awagarh-207301, Distt. Etah,UP	05745-224338	05745-224338	kvkawagarh@rediffmail.com	http://etah.kvk4.in/

##### 1.2.a. Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail	Website
	Office	FAX		
R.B.S.College, Agra	0562-2520075	0562-2520075	rbscagra_2007@rediffmail.com	http://rbscollegeagra.edu.in/

1.2.b. Status of KVK website : Yes

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : 1307

1.2.d. Status of ICT lab at your KVK : No

##### 1.3. Name of the Sr. Scientist & Head with phone & mobile no.







Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Manish Singh	05745-224338	7897441718	<a href="mailto:manishsinghswc@gmail.com">manishsinghswc@gmail.com</a>








1.4. Year of sanction (as per MOU) : 1982

##### 1.5. Staff Position (as on 30 August 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Other)	Mobile No.	Please attach recent photograph
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1	Senior Scientist & Head	Dr. Manish Singh	Senior Scientist & Head	Ph.D (Soil & water conservation)	37400-67000	9000	139400	01.02.2020	Permanent	GEN	7897441718	
2	Subject Matter Specialist	Dr. Dinesh Mishra	SMS- Ag.Engg.	M.Sc (Ag.Engg.) Ph.D.	15600-39100	6600	125800	15-3-96	Permanent	GEN	9412490890	
3	Subject Matter Specialist	Shri. V. Singh	SMS- Horticulture	M.Sc Ag (Horti.)	15600-39100	5400	115800	22-7-87	Permanent	GEN	9412388110	
4	Subject Matter Specialist	Dr. V. Singh	SMS- Soil Sc.	M.Sc Ag (Soil Sc. & Ag. Chem.) Ph.D.	15600-39100	5400	115800	9-7-87	Permanent	OBC	9719501765	
5	Subject Matter Specialist (Agro.)	Dr. S.K. Singh	Subject Matter Specialist (Agro.)	M.Sc Ag (Agronomy) Ph.D.	15600-39100	5400	69000	01.02.2020	Permanent	GEN	9536093256	
6	Subject Matter Specialist	Smt. Deepti Singh	Subject Matter Specialist (Extension)	M.Sc Ag (Extension)	15600-39700	5400	57800	22.02.2021	Permanent	GEN	8433295917	
7	Subject Matter Specialist	Smt. Neeraj Singh	Subject Matter Specialist Home	M.Sc (Food and nutrition)	15600-39700	5400	57800	22.02.2021	Permanent	OBC	957319897	
8	P.A., Agronomy	Dr. D.S Verma	P.A. (Agro.)	M.Sc Ag (Agronomy) Ph.D.	9300-34800	4800	102500	1-12-87	Permanent	OBC	9719501688	
9	P.A. Computer	Sri Arun Pratap Singh	P.A. Computer	M.B.A.	9300-34800	4200	36500	22.02.2021	Permanent	GEN	8077858523	

10	Farm Manager	Sri. Gaurav Pratap Singh	Farm Manager	M.Sc Ag (Agronomy)	9300-34800	4200	37600	01.02.2020	Permanent	GEN	8557083617	
11	Assistant	Sri Ankur Rajpoot	Assistant	M.B.A	9300-34800	4200	36500	22.02.2021	Permanent	OBC	7895227474	
12	Stenographer	Sri Sachin Kumar	Stenographer	U.G.	5200-20200	2400	29600	04-02-17	Permanent	OBC	8299204800	
13	Driver	Sri RN Singh	Driver	MA Eco.	5200-20200	4200	47600	13-6-94	Permanent	OBC	9411848633	
14	Driver	Sri Hari Shankar	Driver	8 <sup>th</sup>	5200-20200	2800	39200	1-12-02	Permanent	OBC	9758031068	
15	Supporting staff	Sri Pushendra Singh	Supporting staff	10 <sup>th</sup>	5200-20200	2800	44100	14-6-94	Permanent	GEN	9719944683	
16	Supporting staff	Sri Rahul Kumar	Supporting staff	10 <sup>th</sup>	5200-20200	1800	19100	01.02.2020	Permanent	OBC	8445470227	

**1.6. Total land with KVK (in ha) :**

S. No.	Item	Area (ha)
1	Under Buildings	1.00
2.	Under Demonstration Units	1.30
3.	Under Crops	11.50 (Partial Usar)
4.	<b>Orchard/Agro-forestry</b>	0.20
5.	<b>Others(Usar)</b>	6.00
	Total	20.00

**1.7. Infrastructural Development:**

**A) Buildings**

S. No.	Name of building	Source of funding	Stage						Required New	Needs renovation
			Complete			Incomplete				
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction		
1.	Administrative Building	ICAR	1986							
2.	Farmers Hostel	-do-	1990							
3.	Farm women Hostel	-do-	1990							
4.	Staff Quarters (14)	-do-	5 in 1986 9 in 1990							
5.	Demonstration Units (2) Dairy, Goatry	-do-	1990							
6	Green house	-do-	2017							
7	Mini Seed Processing Unit	-do-	2017							
8	IFS Modal	-do-	2017							
9	ICT Lab	-do-	2017							
10	Technical information center	-do-	2017							
11	Fencing	X	Funds not received so far from ICAR							
12	Threshing floor	X				-do-				
13	Farm godown	X				-do-				

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs. in Lakh)	Total kms. Run	Present status	Required replacement
-----------------	------------------	--------------------	----------------	----------------	----------------------

Motor cycle	1986	0.22	52000	Irreparable	
Motor cycle	1995	0.30	50000	-do-	Yes
Tractor	2010	5.0	5889 hrs.	Bad condition	
Tractor	2022	8.0	207.00	New	
Jeep	2017	708530	125000	Good condition	

### C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status	Required replacement
OHP	1986		Irreparable	
Slide Projector	1986		Irreparable	
TV & VCD	2003		In use	
Camera 1	2006		-do-	
LCD	2007		-do-	
Camera 2	2017		In use	
LED TV	2017		In use	

### 1.8. A). Details of SAC meetings to be conducted in the year

Sl.No.		Date
1.	Scientific Advisory Committee	

## 2. DETAILS OF DISTRICT

### 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

No.	A-Crop	Farming system/enterprise
1		1-Paddy-Wheat
		2- Pigeon Pea-Wheat
		3- Maize-Potato /groundnut/onion
		4- Bajra/maize-wheat
		5-Fallow-Mustard/groundnut./urd/moong

		6- Fallow-Garlic/Cole crops
		7- Fallow-Brinjal /tomato/Cole crops
		8- Jwar-berseem/oat
		9-Green Mannure-potato-muskmelon/moong
	B-Livestock	1-Dairy
		2-Goatery
	C-Orchard	1-Mango
		2-Guava
		3-Ber
		4-Papaya
		5-Anola

## 2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

### a) Soil type

Agro-climatic Zone	Characteristics				
South West Semi Arid Zone	Temperature °C		Rainfall (mm)	Total area	Irrigated
				Lac(ha)	Area (%)
	3.4	46	1192.5	1.86	95

### b) Topography

S. No	Agro ecological situation	Characteristics
1.	AES-I	Altitude 150-700msl Soil-Clay Loam ACZ tropical
2.	AES-II	-
3.	AES-III	-

S.No.	Total Area (%)	Agro ecological situation			
		Block	Major Crops	Animal Birds	Forest/Orchard
1.Clay loam	25	Nidholikalan Sakit, Awagarh Jalesar	Paddy,Jwar,Maize, Wheat, Gram, Mustard, Pea, Pigeon Pea, Veg. Moon, Lentil	Cows, Buffaloes, Sheep, goats, Pigs, Poultry	Shisham, Babool, Eucalyptus, Aarjun, Mango, Guava, Ber
II-Loam	34	Amapur, Marhara, Kasganj, Soron, Sahavar, Jaithra, Aliganj	Paddy, Wheat, Bajra, Maize, Gram, Mustard, Pea, Pigeon Pea, Urd, Veg. Potato, Sugaracane, Moong, Lentil, Tobacco	Cows, Buffaloes, Sheep, Goats, Pigs, Poultry	Shisham, Babool, Eucalyptus, Aarjun, Mango, Guava, Ber, Jackfruit
III-Sandy loam	16	Marhara, Kasganj, Shitalpur, Sidpura, Jalesar	Paddy, Wheat, bajra, maize, mustard, pea, Pigeon Pea, urd, vegetable, potato, sugarcane, moong, sunflower	Cows, buffaloes, sheep, goats, pigs, Poultry	Shisham, Babool, Eucalyptus, Aarjun, Mango, Guava, Ber, Jackfruit
IV-(i) Loam, sand, (ii)Recent Alluvium soil (pocket of loam silt, sandy loam & loamy sand)	23	Soron, Sahavar, ganjdundwara, patiali, Aliganj	Til, wheat, bajra, maize, mustard, Pigeon pea, urd, groundnut veg., potato, summer, moong sugarcane, sunflower, tobacco	Cows, buffaloes, sheep, goats, pigs, poultry	Shisham, Babool, Eucalyptus, Aarjun, Mango, Guava, Ber,
V-Sodic land	2	Awagarh, nidholikalan, sakit, jalesar	Paddy, wheat, mustard, barley in reclaimed area of sodic land	Cows, buffaloes, goats, pigs, Poultry	Babool, Eucalyptus

### 2.3 Soil Types

S. No	Soil type	Characteristics pH	Area in ha
1	Loam	7.8-8.4	1.19
2	Clay loam	8.0-8.7	0.88
3	Sandy loam	7.5-8.0	0.56
4	Alluvium	7.0-7.8	0.80
5	Sodic land	8.5-10.0	0.07

### 2.4. Area, Production and Productivity of major crops cultivated in the district (2016-17)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Paddy	53910	4447.45	28.17
2	Wheat	208212	<b>Awaited</b>	-
3	Bajra	66438	6029.14	11.20
4	Maize-kharif	66315	5848.09	19.52
5	Maize-summer	3192	288.54	22.10
6	Chickpea	1840	93.78	10.15
7	Field pea	32	7.54	11.10
8	Lentil	3745	138.00	6.78
9	Moong (kharif)	410	58.52	6.21
10	Moong (summer)	4005	338.88	8.10
11	Pigen pea	3810	905.00	7.29
12	Urd	1890	58.77	5.17
13	Mustard	13449	775.12	10.64
14	Groundnut	52	14.69	9.40
15	Sunflower	-		-
16	Til	310	59.16	4.81
17	Sugarcane	9488	139392.75	448.17
18	Tobacco	11305	4434.48	54.61
19	Potato	12015	11767.87	240.80

Source: District agriculture department.

### 2.6 Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle	181435	Not available	Not available
Buffalo	683303	-do-	-do-
Sheep	8443	-do-	-do-
Goats	275632	-do-	-do-
Pigs	32118	-do-	-do-

Rabbits	3148	-do-	-do-
Poultry	77629	-do-	-do-
Ducks	1745	-do-	-do-
Turkey and others	750	-do-	-do-
<b>Category</b>		<b>Production (Q.)</b>	<b>Productivity</b>
Fish (Reservoir)	84.23 ha.	-do-	-do-

\*Statistical report

## 2.7 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Awagarh	Sahnuwa, Hinona - Block Awagarh, Himmatpur -Block Nidholi Kalan, Saray Raj Nagar, Block-Jalesar			
			Paddy, wheat, maize, pigeon pea, chick pea, moong, potato and summer groundnut.	Imbalance fert, improved variety, weeds	Availability of improved variety seeds
			Paddy, wheat, maize, potato, garlic.	Shoot borer, Imbalance fertilizer	Application of balance fertilizer
			Potato, garlic, groundnut, mustard, paddy, maize,	Pod borer & leaf roller, imbalance fert. Weeds	Application of micronutrients-sulphur and zinc.
			Paddy, wheat, Pigeon Pea, moong, potato and garlic.	Weeds, imbalance ferti.	Weed control.
			Chickpea and Pigeon Pea.	Imbalance fert, improved variety Weeds	Control of pod borer.
			Brinjal, maize, tomato and petha	Imbalance fert, insect-disease	Control of shoot borer and fruit borer.
			Moong and tomato.	Non availability of improved variety, imbalance fert.	Control of mosaic.
			Potato	Imbalance fert, blight	Control of blight.



		Buffalo calves and goats.	Imbalance ferti, yellow mosaic virus.	Control of mortality.
		Dairy animals.	Anestrus, low milk yield, calf mortality	Mineral feeding, deworming and vaccination.
		Diesel Engine and Sprayer.	Repair & maintenance problems	Technical know how for maintenance, operation and repairing.
		Diesel Engine Mechanic, Mini Dairy, stitching and Goatery.	Need self employment base trainings	Technical know how for self employment.
		Maize sheller, Zero till seed drill, Rotavator, Paddy weeder and Paddy transplanter.	Non availability of improved agriculture machinery.	Availability of improved agriculture machinery.
		Seed and Grain storage.	Storage	Technical know how.

## 2.8 Priority thrust areas

S. No.	Crop/Enterprise	Thrust area
1.	Paddy, wheat, maize, pigeon pea, chick pea, moong, potato and summer groundnut.	Availability of improved variety seeds
2.	Paddy, wheat, maize, potato, garlic.	Application of balance fertilizer & water management
3.	Potato, garlic, groundnut, mustard, paddy, maize,	Application of micronutrients-sulphur and zinc.
4.	Paddy, wheat, Pigeon Pea, moong, potato and garlic.	Weed control.
5.	Chickpea and Pigeon Pea.	Control of pod borer.
6.	Brinjal, maize, tomato and petha	Control of shoot borer and fruit borer.
7.	Moong and tomato.	Control of mosaic.
8.	Potato	Control of blight.
9.	Buffalo calves and goats.	Control of mortality.
10.	Dairy animals.	Mineral feeding, de worming and vaccination.
11.	Diesel engine repairing & Sprayer repairing as mechanic	Technical know-how for self-employment
12.	Maize Sheller, Groundnut decorticator, Zero till seed drill, Cono weeder, Battery operated sprayer, Fertilizer broadcaster, Manual multicrop seed drill, Raised bed planter and CiAE serrated sickle	Availability of improved agricultural machinery
13.	Maintenance and repairing of Agricultural Machinery such as Diesel engine pumping set, Electric motor pumping set, Thresher, Tube-	Technical know-how for maintenance, operation and repairing

	wells, Tractor battery, sprayers, Tractor, rotavator etc.	
14.	Seed and Grain storage.	Technical know how.

### 3. TECHNICAL PROGRAMME

#### A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
12	299	38.12 ha 151 No.	283

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
118	2714	106	6198

Seed Production (Qtl.)	Planting material Production (Nos.)	Fish seed prod. (Nos.)	Soil Samples analyzed (Nos.)	Development of Soil Health Cards (Nos.)
(5)	(6)	(7)	(8)	(9)
710.10	23650, 150 kg		300	3000

Quality seed distributed (q)	No. of saplings distributed (Nos.)	No. of fingerlings distributed (Nos.)	No. of livestock & poultry strains distributed (Nos.)
(10)	(11)	(12)	(13)
250	30000		24 (Goat)

#### B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions						
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.	
1	INM	Paddy	Low Yield	Integrated Nutrient Management (INM) in Paddy					Field day	Zinc & Sulpher

2	Availability of improved variety seeds	Wheat	Low Yield	Testing of variety HD-3086				Field day	seed
3	Availability of improved variety seeds	Mustard		Performance of the variety NRCHB-101/IJ-31/NRC DR-2				Field Day	Seed
4	-do-	Tomato		Testing of variety Kashi Anmol or Kashi Vishesh				Field Day	Seed
5	-do-	Vegetable Pea		Testing of variety Rashmi or Madhu				Field Day	Seed
6	INM	Cauliflower		Testing of Boron In Cauliflower				Field Day	Boran
7	-do-	Moong	Low Yield					Field day	seed
8	-do-	Paddy	Low Yield	Testing of variety Pusa-1401				Field day	seed
9	-do-	Paddy	Low Yield					Field day	seed
10	-do-	Mustard	Low Yield					Field day	seed
11	-do-	Garlic	IPM					Field day	Insecticide
12	-do-	Onion	IPM					Field day	Insecticide
13	-do-	Okra	Low Yield					Field day	seed

14	-do-	Muskmelon	Low Yield					Field day	seed
15	Technical know-how about Agricultural Machinery	Agril. Engg.	Less technical know-how about Agricultural Machinery			Repair & maintenance of farm machinery & implements	Care and maintenance of farm machinery and implements	Training	-
16	Availability of improved agriculture machinery	Battery cum solar knapsack sprayer	Charging of battery by electricity is difficult in rural area	Assessment of battery cum solar knapsack sprayer				Field day	5 Battery cum solar knapsack sprayer
17	-do-	Power weeder or brush cutter	More labour required for weeding of crops	Assessment of power weeder or brush cutter				Field day	5 Power weeder or brush cutter
18	-do-	Maze sheller	Labour shortage		Shelling of Maize by Manual maize sheller				100 Maze Sheller
19	-do-	Manual wheel hoe	Labour shortage		Weeding of crops by Manual wheel hoe				10 Manual wheel hoe
20	-do-	Cono weeder	Labour shortage		Weeding of paddy by cono weeder				10 Cono weeder

21	-do-	Groundnut decorticator	Labour shortage		Decorticating of Groundnut by Manual groundnut decorticator			10 Groundnut Decorticator
22	-do-	Battery operated knapsack sprayer	Labour shortage		Spraying of insecticides, fungicides, weedicides and plant nutrients			5 Battery operated knapsack sprayer
23	-do-	Fertilizer broadcaster	Labour shortage		Broadcasting of fertilizers by Fertilizer broadcaster			5 Fertilizer broadcaster
24	-do-	CIAE serrated sickle	Working efficiency		Harvesting of crops (wheat & paddy) by serrated sickle			10 CIAE serrated sickle

25	-do-	Super Seeder	Late preparation of seed bed for sowing of wheat after combine harvested paddy field		Sowing of wheat by super seeder			Field Day	Service of Super seeder
26	-do-	Mulcher	burning of crop residue		In-situ crop residue cutting			Field Day	Service of Mulcher

### 3.1 Technologies to be assessed and refined

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	2	1								3
Integrated Nutrient Management					1					1
Farm machineries	2									2
Integrated Pest Management	1									1
<b>TOTAL</b>	<b>5</b>	<b>1</b>			<b>1</b>					<b>7</b>

#### A.2. Abstract on the number of technologies refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
<b>TOTAL</b>										

#### A.3. Abstract on the number of technologies assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
<b>TOTAL</b>								

#### A.4. Abstract on the number of technologies refined in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
<b>TOTAL</b>								

#### OFT-1 (Paddy)

Particulars	Contents
<b>Title</b>	Assessment of performance of natural organic and traditional farming.
<b>Problem diagnosed</b>	Higher production cost and poisonous production.
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1(FP) Traditional farmig T2(RP) Use of Ghanjeevamrit @100kg/acre at the time of field preparation. Beejamrit for seed & seedling treatment. use of jeevamrit @200 lit./acre for (nursery spray,puddling stage and four spray on standing crop).5lit./acre buttermilk spray for crop protection
<b>No. of farmers</b>	5 (Area- 1.0 ha)
<b>Replications</b>	5
<b>Critical inputs</b>	Jeevamrit @200 lit./acre, Beejamrit for seed & seedling treatment & Ghanjeevamrit @100kg/acre
<b>Production system</b>	Paddy-Wheat-Moong
<b>Source of technology</b>	Sri Shubhas Plaekar Natural farming System
<b>Total Cost</b>	Rs 10000/-
<b>Observation to be recorded</b>	1-Yield q/ha 2-No. of tillers 3-C.B, ratio 4-Social acceptability
<b>Reaction of the farmers</b>	1.Minimize cost of production and increase income. 2.Reduce water conservation.

#### OFT-2 (Wheat)

Particulars	Contents
<b>Title</b>	Assessment of performance of natural organic and traditional farming.
<b>Problem diagnosed</b>	Higher production cost and poisonous production.
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1(FP) Traditional farmig T2(RP) Use of Ghanjeevamrit @100kg/acre at the time of field preparation. Beejamrit for seed & seedling treatment. use of jeevamrit @200 lit./acre for (nursery spray,puddling stage and four spray on standing crop).5lit./acre buttermilk spray for crop

	protection
<b>No. of farmers</b>	5 (Area- 1.0 ha)
<b>Replications</b>	5
<b>Critical inputs</b>	Jeevamrit @500 lit./acre, Beejamrit for seed & seedling treatment & Ghanjeevamrit @200kg/acre
<b>Production system</b>	Paddy-Wheat-Moong
<b>Source of technology</b>	Sri Shubhas Plaekar Natural farming System
<b>Total Cost</b>	Rs 10000/-
<b>Observation to be recorded</b>	1-Yield q.ha 2-C:B ratio 3-Social acceptability
<b>Reaction of the farmers</b>	1.Minimize cost of production and increase income. 2.Reduce water conservation.

### OFT-3 (Mustard)

Particulars	Contents
<b>Title</b>	Assessment of Sulphur in Folier spray
<b>Problem diagnosed</b>	Low Yield
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1-(FP) –No use of sulphur Folier spray. T2-(RP) – Borex as basal and Use of sulphur Folier spray.
<b>No. of farmers</b>	14 ( Area-5.00 ha.)
<b>Replications</b>	14
<b>Critical inputs</b>	Borex 1.5kg/ha as basal + Sulphur 90% WDG @3.0kg/acre at the time of Ist irrigation.
<b>Production system</b>	Bajra / Maize-Mustard-Cucurbits / Moong
<b>Source of technology</b>	DMR , Bhartpur
<b>Total Cost</b>	2000/-
<b>Observation to be recorded</b>	1-Yield/ha 2- Number of Branch per plant 3-C:B ratio 4-Social acceptability
<b>Reaction of the farmers</b>	Farmers are interested for use of balance fertilizer due to deficiency of secondary and micro nutrient.



**OFT-4 (Extension Education)**

Particulars	Contents
<b>Title</b>	Study on awareness and perception of farmers about Soil Health Card among Paddy growing farmers.
<b>Problem diagnosed</b>	Farmers are not aware about benefit of Soil Health Card.
<b>Source of technology</b>	BAU, Sabour
<b>Technology option</b>	TO <sub>1</sub> - Farmers not having Soil Health Card. TO <sub>2</sub> - Farmers having Soil Health Card.
<b>No. of Respondents</b>	120
<b>Performance Parameter</b>	<ol style="list-style-type: none"> <li>1. Perception of farmers about Soil Health Card.</li> <li>2. Awareness extent about Soil Health Card among farmers.</li> </ol>

**OFT-5 (Extension Education)**

Particulars	Contents
<b>Title</b>	Assessment of the effectiveness of different sources of Agro-advisory services provided to the farmers of the Etah district.
<b>Problem diagnosed</b>	Different sources of agro advisory service are not giving better impact for solving the problems.
<b>Thematic Area</b>	HRD
<b>Source of technology</b>	KVK, Etah
<b>Technology option</b>	TO <sub>1</sub> (FP)- Farmers generally get advice through neighboring farmers. TO <sub>2</sub> - Farmers receiving Agro-advisory services through GKMS/.
<b>No. of Respondents</b>	120
<b>Performance Parameter</b>	<ol style="list-style-type: none"> <li>1. Knowledge before &amp; after</li> <li>2. Extend of problem solving</li> <li>3. Constraints faced by farmers during agro advisory services.</li> </ol>

**OFT-6 (Broccoli)**

Particulars	Contents
<b>Title</b>	Assessment of Pusa Broccoli No1 profitability over cauliflower variety PUSA Dipali
<b>Problem diagnosed</b>	Less profit in cauliflower (PUSA Dipali)
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1(FP) – cauliflower Variety PUSA Dipali 2-(RP)- Variety Pusa Broccoli No1
<b>No. of farmers</b>	05 area 0.5 ha
<b>Replications</b>	5

<b>Critical inputs</b>	Seed 150gm
<b>Production system</b>	Cucurbits-Broccoli-Okra
<b>Source of technology</b>	IARI, New Delhi
<b>Total Cost</b>	Rs. 2000/-
<b>Observation to be recorded</b>	1- Yield Q/ha 2- weight of curd 3-C:B ratio
<b>Reaction of the farmers</b>	Size and compactness of curd is batter.

#### OFT-7 (Vegetable Pea)

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Assessment of Kashi Mukti (VRP-32)
<b>Problem diagnosed</b>	Low yield.
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1(FP) – Variety Arkil 2-(RP)- Kashi Mukti (VRP-32)
<b>No. of farmers</b>	5 Area -0.5 ha
<b>Replications</b>	5
<b>Critical inputs</b>	Seed 60Kg
<b>Production system</b>	Maize-Pea-Cucurbits
<b>Source of technology</b>	IVRI, Varanasi
<b>Total Cost</b>	Rs. 8000/-
<b>Observation to be recorded</b>	1- YieldQ/ha 2-No. of grain/pod 3-No. of pod/plant 4-C:B ratio
<b>Reaction of the farmers</b>	Sweet and testy grains with higher yield

#### OFT-8 (Cauliflower)

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Testing of Boron In Cauliflower to obtain good Colour and quality of curd.
<b>Problem diagnosed</b>	Colour and quality of curd is poor
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1(FP) – No use of Boron 2-(RP)- Application of 6 kg Borex or on the basis of soil Health

	Card
<b>No. of farmers</b>	5 Area -0.5 ha
<b>Replications</b>	5
<b>Critical inputs</b>	Borex on the basis of soil testing Approximate @ 6 Kg/ha
<b>Production system</b>	Okra-Cauliflower-cucurbits
<b>Source of technology</b>	IARI, New Delhi
<b>Total Cost</b>	Rs. 700/-
<b>Observation to be recorded</b>	1-Yield Q/ha. 2-Compact curd no. per unit area. 3-No. of good colour (snow white) per unit area. 4-C:B Ratio
<b>Reaction of the farmers</b>	Good Colour and quality of curd in cauliflower..

#### OFT-8 (Battery cum Solar Knapsack Sprayer )

Particulars	Contents
<b>Title</b>	Assessment of Battery cum solar Knapsack Sprayer.
<b>Problem diagnosed</b>	Charging of Battery by electricity is difficult in rural area and less area coverage per charging.
<b>Details of technology selected for assessment</b>	T1(FP)- Battery operated Knapsack Sprayer. T2(RP)- Battery cum solar Knapsack Sprayer.
<b>No. of farmers</b>	5
<b>Replications</b>	5
<b>Critical inputs</b>	Battery cum solar Knapsack Sprayer.
<b>Production system</b>	Efficient spraying of solutions on crops.
<b>Source of technology</b>	CIAE, Bhopal
<b>Total Cost</b>	Rs. 25000/-
<b>Observation to be recorded</b>	1-Spraying Capacity (ha/hr.) 2-Operating Cost (Rs./ha.) 3- Charging time required for full charging 4- Area Coverage after one complete charging by electricity (ha./charging) 5- Increase in body temperature ( <sup>0</sup> c), Pulse rate (beat/sec.) & Respiration rate (blows/sec.) after continuously half an hour working of operator.
<b>Reaction of the farmers</b>	Easy Charging during working of Sprayer.

**OFT-9 (Electric Brush Cutter with weeding attachment)**

Particulars	Contents
<b>Title</b>	Assessment of Weeding attachment of Electric brush cutter.
<b>Problem diagnosed</b>	More labour required for weeding of Mustard, Moong and Maize.
<b>Details of technology selected for assessment</b>	T <sub>1</sub> (FP)- Manual Weeding by khurpi. T <sub>2</sub> (RP)- Weeding by Electric brush cutter with weeding attachment .
<b>No. of farmers</b>	5
<b>Replications</b>	5
<b>Critical inputs</b>	Electric brush cutter with weeding attachment
<b>Production system</b>	Efficient Weeding of crops.
<b>Source of technology</b>	CIAE, Bhopal
<b>Total Cost</b>	Rs. 40,000/-
<b>Observation to be recorded</b>	1-Weeding Capacity (ha/hr.) 2-Weeding efficiency (%) 3- Plant damage (%) 4- Operating cost (Rs./ha.) 5- Increase in body temperature ( <sup>0</sup> c), Pulse rate (beat/sec.) & Respiration rate (blows/sec.) after continuously half an hour working of farmer.
<b>Reaction of the farmers</b>	Timely Weeding of crops.

**OFT-10 (Mixed Flour)**

Particulars	Content
<b>Title</b>	To evaluate the Nutritive mixed Ata for a family of five members
<b>Problem diagnosed/defined</b>	Nutrient deficiency in family members due to use of Wheat Flour
<b>Details of technologies selected for assessment /refinement</b>	T <sub>1</sub> –Use of Wheat Flour T <sub>2</sub> – Use of mix grain Wheat (10 Kg.)+Gram(2.00Kg),Barley (1.00Kg)+Bajra(1.00 Kg)
<b>No. of Farm Women</b>	5
<b>Source of technology</b>	CSUA&T,Kanpur
<b>Production system</b>	Balanced Diet
<b>Thematic area</b>	Design and development of low and minimum cost diet.
<b>Critical input</b>	Gram / chick pea

<b>Performance of the Technology with performance indicators</b>	i. Technical:
	ii. Economic:

### OFT-10 (Biofortified Wheat)

Particulars	Contents
<b>Title</b>	Assessment of bio-fortified variety of Wheat (DBW- 187) rich in iron to combat nutritional deficiency anemia.
<b>Problem diagnosed/defined</b>	High prevalence of nutritional deficiency anemia in rural families.
<b>Details of technologies selected for assessment /refinement</b>	T <sub>1</sub> –Farmers Practice T <sub>2</sub> – Wheat DBW - 187
<b>No. of Farm Women</b>	5
<b>Source of technology</b>	IWBR, Karnal
<b>Thematic area</b>	Nutritional Security
<b>Critical input</b>	Wheat DBW- 187
<b>Performance of the Technology with performance indicators</b>	Physical Parameters Nutritional Parameters Economic & Sensory Parameters

## 3.2 Frontline Demonstrations

### A. Details of FLDs to be organized (Based on soil test analysis)

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs (per ha/No.)	Season and year	Area (ha)	No. of farmer s/ demon.	Parameters identified
1	Paddy	Pusa-1692	IPM	Pymetrozine 50%WG	Pymetrozine 50%WG 250gm/ha	Kharif 2023	10	25	Yield C:B ratio, No.of effected plant/m <sup>2</sup>
3	Wheat	KRL-283	Varietal evaluation	Improved variety for salt affected soil	Seed 125 kg	Rabi 2023-24	10	25	Yield C:B ratio, No. of tillers/plant
3	Mustard	DRMR IJ-31	INM	Neno Urea	Neno urea 500ml/acre	Rabi 2023-24	5	15	Yield C:B ratio
4	Green Fodder	-	Feed and Fodder	Use of High Yield Variety	Seed-25kg. Total	Rabi 2023	1	10	1.Productio n

			Technology		Rs. 12500.00 approx				Performance 2. Yield/ha. 3. No. of cutting.
5	Green Fodder	Bajra Napier Hybrid CO <sub>4</sub>	Green Fodder available throughout the year	Introduce New variety Bajra Napier Hybrid CO <sub>4</sub>	Seed- 4qts Rs. 600	Zaid & Kharif	0.16	2	1. Production Performance 2. Yield/ha. 3. No. of cutting
6	Garlic	Yamuna Safed	INM	Jeevamrut @200 Lit./acre stage pre sowing+ Jeevamrut 200 Lit./acre stage first & second irrigation	Jeevamarat 600 lit/acre Rs. 4200/acre	Rabi-2023	0.4	5	1-Yield Q/Ha. 2- Size of the Bulb 3- weight of Bulb and no. of cloves in a bulb 4-C:B ratio
7	Bottle guard	Pusa Naveen	3G Cutting	1-Removal of branch from main stem upto 3 number 2- Removal of apical bud of main branch	1.25 kg Seed & Knife Rs. 3500.00	Zaid-2023	1.0	10	1.Yield Q/ha. 2.C:B ratio 3. Number of fruits per plant & yield q/ha.
8	Nutritional Kitchen Garden	Improved varieties of colored vegetables	Poor health due to lack of nutritional diet	Household food security by kitchen Garden	1 unit of different Vegetables Seed & Seedlings	Throughout the year	0.08	10	Yield Profit
9	Cereals and pulses	Value addition of cereals, millets, pulses	lack of knowledge about proper use of cereals & pulses	Sprouting melting & mixing at cereals & pulses	Through farmers Wheat, gram, peanuts, bajra, moong	Throughout the year	05	05	enhancement on nutrition value

					<b>Total</b>		<b>27.64 ha 5 No.</b>	<b>107</b>	
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### FLD on NARI Programme

Sl. No.	Category	Variety/Breed	Thematic area	Technology for demonstration	Critical inputs (per ha/No.)	Season and year	Area (ha)	No. of farmers/demon.	Parameters identified
1	Nutritional Kitchen Garden	Improved varieties of colored vegetables	Poor health due to lack of nutritional diet	Household food security by kitchen Garden	1 unit of different Vegetables Seed & Seedlings	Throughout the year	0.08	10	Yield Profit
2.	Cereals and pulses	Value addition of cereals, millets, pulses	lack of knowledge about proper use of cereals & pulses	Sprouting melting & mixing at cereals & pulses	Through farmers Wheat, gram, peanuts, bajra, moong	Throughout the year	05	05	enhancement on nutrition value
					<b>Total</b>		<b>0.08 ha 5 No.</b>	<b>15</b>	

### Sponsored Demonstration

Sl. No.	Crop	Area (ha)	No. of farmers
	-	-	-

### B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	22		800
2	Farmers Training	22		350

### C. Details of FLD on Enterprises

#### (i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Maize Sheller	Maize	Kharif, Zaid	100	100 No.	Manual	1. Shelling capacity (kg/hr)

					maize Sheller	2. Broken kernels (%) 3. Operating cost (Rs./ha)
Manual Wheel hoe	Groundnut, Mustard, chickpea, Maize, Arhar etc.	Kharif, Rabi & Zaid	10	10 No.	Manual wheel hoe	1. Capacity (ha/hr) 2. Weeding efficiency (%) 3. Plant damage (%) 4. Operating cost (Rs./ha)
Cono weeder	Paddy	Kharif	10	2 ha.	Cono Weeder	1. Capacity (ha/hr) 2. Cost of operation (Rs./ha) 3. Plant damage (%)
Ground nut Decorticator	Ground nut	Whole year	10	10 No.	Ground nut Decorticator	1 Capacity(Kg/hr) 2 Broken kernels (%) 3 Operating cost (Rs./kg.)
Battery operated knapsack sprayer	All crop	Whole year	5	5 No.	Battery operated knapsack sprayer	1 Capacity (ha/hr) 2 Operating cost(Rs/ha)
Fertilizer Broadcaster	Wheat	Rabi	5	5 No.	Fertilizer broadcaster	1 Capacity ( ha/hr) 2 Operating cast (Rs./hr)
CIAE serrated sickle	Wheat	Rabi	10	10 No.	CIAE serrated sickle	Harvesting capacity (ha/day) Teeth grinding interval (ha) Harvesting cost (Rs./ha)
Super Seeder	Wheat	Rabi	5	4 ha	Service of Super Seeder	1. Yield (qt. /ha) 2. Cost of Cultivation (Rs./ha.) 3. C.B. Ratio.
Mulcher	Paddy	Rabi	5	4 ha	Service of Mulcher	1.Yield (qt. /ha) 2. Cost of cultivation (Rs./ha) 3. C:B ratio

## (ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	Area (ha.)	Critical inputs	Performance parameters / indicators
Vermicompost	E.fotida	1	1 Unit	Vermiculture	Vermicompost
Fodder	Bajra Napier Hybrid CO4	5	0.4	Bajra Seed (Cutting)	Fodder quantity & availability



### 3.3 Training (Including the sponsored and FLD training programmes):

#### A) ON Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1	10	-	10	5	-	5	15
Seed production	1	15	-	15	5	-	5	20
Integrated Crop Management	4	60	-	60	20	-	20	80
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	2	25	10	35	5	-	5	40
Off-season vegetables								
Nursery raising	1	10	5	15	-	-	-	15
<b>b) Fruits</b>								
Training and Pruning								
Layout and Management of Orchards	1	10	-	10	-	-	-	10
<b>c) Ornamental Plants</b>								
<b>d) Plantation crops</b>								
<b>e) Tuber crops</b>								
Production and Management technology	3	45	15	60	10	-	10	70
<b>f) Spices</b>								
Production and Management technology	3	40	15	55	5	-	5	60
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	3	30	-	30	15	-	15	45
Production and use of organic inputs	1	10	-	10	5	-	5	15
<b>IV Livestock Production and Management</b>								
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	2	-	30	30	-	10	10	40
Design and development of low/minimum cost diet	2	-	30	30	-	10	10	40
Gender mainstreaming through SHGs	2	-	30	30	-	10	10	40
Storage loss minimization techniques	1	-	15	15	-	5	5	20
Income generation activities for empowerment of rural Women	1	-	10	10	-	5	5	15
Location specific drudgery reduction technologies	1	-	10	10	-	5	5	15
Rural Crafts	1	-	15	15	-	5	5	20
Women and child care	1	-	10	10	-	5	5	15
<b>VI Agril. Engineering</b>								

Repair and maintenance of farm machinery and implements	7	180	-	180	48	-	48	228
<b>VII Plant Protection</b>								
<b>VIII Fisheries</b>								
<b>IX Production of Inputs at site</b>								
Vermi-compost production	1	10	-	10	5	-	5	15
<b>X Capacity Building and Group Dynamics</b>								
<b>XI Agro-forestry</b>								
<b>XII Others (Agri. Extension)</b>								
Study on awareness and perception of farmers about soil health card among paddy growing farmers.	2	40	5	45	10	5	15	60
Assessment of the effectiveness of different sources of Agro-advisory services provided to the farmers of the Etah District	2	30	5	35	10	5	15	50
<b>TOTAL</b>	<b>43</b>	<b>515</b>	<b>205</b>	<b>720</b>	<b>143</b>	<b>65</b>	<b>208</b>	<b>928</b>
<b>(B) RURAL YOUTH</b>								
Seed production	1	15	5	20	5	-	5	25
Repair and maintenance of farm machinery and implements	1	30	-	30	8	-	8	38
Nursery Management of Horticulture crops	1	10	-	10	-	-	-	10
Rural Crafts	1		10	10		5	5	15
<b>TOTAL</b>	<b>4</b>	<b>55</b>	<b>15</b>	<b>70</b>	<b>13</b>	<b>5</b>	<b>18</b>	<b>88</b>
<b>(C) Extension Personnel</b>								
Integrated Pest Management	1	20	-	20	-	-	-	20
Care and maintenance of farm machinery and implements	2	55	-	55	15	-	15	70
Women and Child care	1	-	20	20	-	10	10	30
Production and use of organic inputs	1	15	-	15	5	-	5	20
Any other (Natural Farming of Vegetables )	2	10	-	10	-	-	-	10
<b>TOTAL</b>	<b>7</b>	<b>100</b>	<b>20</b>	<b>120</b>	<b>20</b>	<b>10</b>	<b>30</b>	<b>150</b>
<b>G. Total</b>	<b>54</b>	<b>670</b>	<b>240</b>	<b>910</b>	<b>176</b>	<b>80</b>	<b>256</b>	<b>1166</b>

## B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	2	30	-	30	10	-	10	40
Nursery management	2	20	-	20	10	-	10	30
Integrated Crop Management	5	70	-	70	20	-	20	90
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								

Production of low volume and high value crops	5	60	10	70	10	-	10	80
Export potential vegetables	1	10	-	10	-	-	-	10
Layout and Management of Orchards	1	15	5	20	5	-	5	25
Cultivation of Fruit	1	15	5	20	5	-	5	25
Management of young plants/orchards	1	10	-	10	5	-	5	15
Production and Management technology	2	40	-	40	10	-	10	50
Production and Management technology	4	75	-	75	5	-	5	80
<b>III Soil Health and Fertility Management</b>								
Soil and Water Conservation	2	20	-	20	10	-	10	30
Integrated Nutrient Management	3	30	-	30	15	-	15	45
Soil and Water Testing	5	50	-	50	25	-	25	75
<b>IV Livestock Production and Management</b>								
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	2	-	30	30	-	10	10	40
Design and development of low/minimum cost diet	1	-	10	10	-	5	5	15
Designing and development for high nutrient efficiency diet	1	-	10	10	-	5	5	15
Minimization of nutrient loss in processing	1	-	15	15	-	10	10	25
Gender mainstreaming through SHGs	1	-	15	15	-	10	10	25
Storage loss minimization techniques	1	-	15	15	-	5	5	20
Value addition	2	-	30	30	-	10	10	40
Location specific drudgery reduction technologies	1	-	15	15	-	5	5	20
Women and child care	2	-	20	20	-	10	10	30
<b>VI Agril. Engineering</b>								
Repair and maintenance of farm machinery and implements	14	420	-	420	98	-	98	518
<b>VII Plant Protection</b>								
<b>VIII Fisheries</b>								
<b>IX Production of Inputs at site</b>								
<b>X Capacity Building and Group Dynamics</b>								

<b>XI Agro-forestry</b>								
<b>XII Others (Agri. Extension)</b>								
Study on awareness and perception of farmers about soil health card among paddy growing farmers.	2	35	5	40	10	5	15	55
Assessment of the effectiveness of different sources of Agro-advisory services provided to the farmers of the Etah District	2	30	5	35	10	5	15	50
<b>TOTAL</b>	<b>64</b>	<b>930</b>	<b>190</b>	<b>1120</b>	<b>248</b>	<b>80</b>	<b>328</b>	<b>1448</b>

**C) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	3	40	-	40	15	-	15	55
Seed production	1	15	-	15	5	-	5	20
Nursery management	2	20	-	20	10	-	10	30
Integrated Crop Management	9	130	-	130	40	-	40	170
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	7	85	20	105	15	-	15	120
Nursery raising	1	10	5	15	-	-	-	15
Export potential vegetables	1	10	-	10	-	-	-	10
<b>b) Fruits</b>								
Layout and Management of Orchards	2	25	5	30	5	-	5	35
Cultivation of Fruit	1	15	5	20	5	-	5	25
Management of young plants/orchards	1	10	-	10	5	-	5	15
Production and Management technology	5	85	15	100	20	-	20	120
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology	7	115	15	130	10	-	10	140
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	3	30	-	30	15	-	15	45
Soil and Water Conservation	2	20	-	20	10	-	10	30
Integrated Nutrient Management	3	30	-	30	15	-	15	45
Production and use of organic inputs	1	10	-	10	5	-	5	15

Soil and Water Testing	5	50	-	50	25	-	25	75
<b>IV Livestock Production and Management</b>								
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	4	-	60	60	-	20	20	80
Design and development of low/minimum cost diet	3	-	40	40	-	15	15	55
Designing and development for high nutrient efficiency diet	1	-	10	10	-	5	5	15
Minimization of nutrient loss in processing	1	-	15	15	-	10	10	25
Gender mainstreaming through SHGs	3	-	45	45	-	20	20	65
Storage loss minimization techniques	2	-	30	30	-	10	10	40
Value addition	2	-	30	30	-	10	10	40
Income generation activities for empowerment of rural Women	1	-	10	10	-	5	5	15
Location specific drudgery reduction technologies	2	-	25	25	-	10	10	35
Rural Crafts	1	-	15	15	-	5	5	20
Women and child care	3	-	30	30	-	15	15	45
<b>VI Agril. Engineering</b>								
Repair and maintenance of farm machinery and implements	21	600	-	600	146	-	146	746
<b>VII Plant Protection</b>								
<b>VIII Fisheries</b>								
Integrated fish farming								
<b>IX Production of Inputs at site</b>								
Vermi-compost production	1	10	-	10	5	-	5	15
<b>X Capacity Building and Group Dynamics</b>								
<b>XI Agro-forestry</b>								
<b>XII Others (Agri. Extension)</b>								
Study on awareness and perception of farmers about soil health card among paddy growing farmers.	4	75	10	85	20	10	30	115
Assessment of the effectiveness of different sources of Agro-advisory services provided to the farmers of the Etah District	4	60	10	70	20	10	30	100
<b>TOTAL</b>	<b>107</b>	<b>1445</b>	<b>395</b>	<b>1840</b>	<b>391</b>	<b>145</b>	<b>536</b>	<b>2376</b>
<b>(B) RURAL YOUTH</b>								

Seed production	1	15	5	20	5	-	5	25
Repair and maintenance of farm machinery and implements	1	30	-	30	8	-	8	38
Nursery Management of Horticulture crops	1	10	-	10	-	-	-	10
<b>Fruit and vegetable preservation</b>								
Rural Crafts	1	-	10	10	-	5	5	15
<b>TOTAL</b>	<b>4</b>	<b>55</b>	<b>15</b>	<b>70</b>	<b>13</b>	<b>5</b>	<b>18</b>	<b>88</b>
<b>(C) Extension Personnel</b>								
Integrated Pest Management	1	20	-	20				20
Care and maintenance of farm machinery and implements	2	55	-	55	15	-	15	70
Women and Child care	1	-	20	20	-	10	10	30
Production and use of organic inputs	1	15	-	15	5	-	5	20
Any other (Natural Farming or vegetables )	2	10	-	10	-	-	-	10
<b>Total</b>	<b>7</b>	<b>100</b>	<b>20</b>	<b>120</b>	<b>20</b>	<b>10</b>	<b>30</b>	<b>150</b>
<b>G. TOTAL</b>	<b>118</b>	<b>1600</b>	<b>430</b>	<b>2030</b>	<b>424</b>	<b>160</b>	<b>584</b>	<b>2714</b>

Details of training programmes attached in **Annexure -I**

### 3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	16	450	95	545	15	5	20	465	100	565
Kisan Mela	1	800	300	1100	14	2	16	814	302	1116
Kisan Gosthi	3	250	70	320	15	-	15	265	70	335
Film Show	1									
Group meetings/Night Camp	2	50	10	60	-	-	-	50	10	60
Newspaper coverage	24									
Radio talks	3									
TV talks	4									
Popular articles	8									
Extension Literature	4									
<b>Advisory Services</b>	1	100	-	100	-	-	-	100	-	100
Scientific visit to farmers field	20	100	10	110	-	-	-	100	10	110
Farmers visit to Kisan Mela at PantNagar/Pusa	1	15	-	15	-	-	-	15	-	15
Ex-trainees Sammelan	1	50	10	60	5	-	5	55	10	65

Soil test campaigns	2	100	15	115	2	-	2	102	15	117
Farm Science Club Conveners meet	2	40	-	40	2	-	2	42	-	42
Self Help Group Conveners Meeting	2	30	10	40	3	-	3	33	10	43
Celebration of important days (Agriculture education day, Industrial Day, Foundation day ,World food day& Kisan Samman diwas)	6	350	100	450	17	-	17	367	100	467
Soil Health Cards distribution	1	3000		3000				3000		3000
Farmers scientist interaction	2	75	20	95	4	-	4	79	20	99
Meeting of Sawchata Mission	2	40	20	60	4	-	4	44	20	64
<b>Total</b>	<b>106</b>	<b>5450</b>	<b>660</b>	<b>6110</b>	<b>81</b>	<b>7</b>	<b>88</b>	<b>5531</b>	<b>667</b>	<b>6198</b>

### 3.5 Target for Production and supply of Technological products SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)	Distribute d to the farmers (Nos.)
<b>CEREALS</b>	Paddy	Pusa-1718, Pusa-1509, Pusa-1692	390.00	
			<b>390.00</b>	
	Wheat	DBW-187, DBW-303, HD-2967, KRL-283, KRL-210	285.00	
		<b>Total</b>	<b>285.00</b>	
<b>OILSEEDS</b>	Mustard	RH-725	25.00	
		<b>Total</b>	<b>25.00</b>	
<b>Pulse</b>	Moong	VIRAT	<b>10.00</b>	
<b>VEGETABLE S</b>	Palak	All Green	0.05	
	Methi	PEB	0.05	

	Total	710.10
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### PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Distributed to the farmers (Nos.)
<b>FRUITS</b>	Papaya	Pant-5	2000	50
	Lemon	Barahmasi	150	10
<b>VEGETABLES</b>	Cauliflower	Snowball-16	5000	10
	Cabbage	Hybrid, POI	2500	20
	Tomato	K-25	6000	25
	Onion	AFLR	150Kg	40
	Chilli	PJ	2500	10
	Chilli	PJ-502	3000	20
	Brinjal	Navkiran	2000	15
	Knol khol	White Bayana	500	10
			<b>23650, 150Kg</b>	<b>210</b>
<b>ORNAMENTAL CROPS</b>				
	Marrigold	PB	5000	50
	Crysinthimum	Local	1500	50
	Holihok	Local	2000	10
	Verbena perinial		2000	25
	Gliardia		2500	25
	Rose		250	10
	Ashok		1000	80
	Duranta		500	20
			<b>14750</b>	<b>270</b>



## BIO-PRODUCTS

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
Vermicompost	Compost	E fotida		500
Nadep Compost	Compost			1600

## LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
GOAT		Barbari	24	01
SHEEP				
POULTRY		Kari Nirbhik, Kadak Nath	100	01
FISHERIES		Rohu, kathla, Naina	5000	01

### 3.6 Literature to be Developed/Published

- (A) **KVK News Letter** :  
Date of start :  
Number of copies to be published :

### (B) Literature developed/published

S. No.	Topic	No.	Name of Journal/literature
1	Research paper by each scientist	1	
2	Technical reports	3	
3	News letters	3	300
4	Popular article		
5	Extension literature	10	4000
		<b>Total-17</b>	<b>4300</b>

### (C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1			

### 3.7. Success stories/Case studies identified for development as a case. (5 by each KVK)

- Brief introduction
- Interventions
- Output
- Outcomes
- Impact
  - Social economic
  - Bio-Physical

f. Good Action Photographs

### **3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers**

- a) Priority thrust area after PRA survey of adopted villages.
- b) Farmer group discussion.
- c) Field level observations.

#### **Rural Youth**

- a) Priority thrust area after PRA survey of adopted villages.
- b) Farmer group discussion.
- c) Field level observations.
- d)

#### **In-service personnel**

- a) Priority thrust area after meeting with in-service personal.
- b) Field level observations.
- c)

### **3.9 Indicate the methodology for identifying OFTs/FLDs**

#### **For OFT :**

- i) PRA
- ii) Problem identified from Matrix
- iii) Field level observations
- iv) Farmer group discussions
- v) Others if any

#### **For FLD :**

- i) New variety/technology
- ii) Poor yield at farmers level
- iii) Existing cropping system
- iv) Others if any

### **3.10 Field activities**

- i. Name of villages identified/adopted with block name (from which year) - Sahnua, Hinona -Block Awagarh, Himmatpur -Block Nidholi Kalan, Saray Raj Nagar, Block- Jalesar
- ii. **No. of farm families selected per village :35**
- iii. **No. of survey/PRA conducted :3**
- iv. **No. of technologies taken to the adopted villages:5**
- v. **Name of the technologies found suitable by the farmers of the adopted villages:**Line sowing, Use of improved varieties of different crops, Balance use of fertilizers on the basis of soil testing report, Vaccination for FMD, Safe grain storage, Nutritional kitchen gardening,
- vi. **Impact (production, income, employment, area/technological–horizontal/vertical)** Increase their crop production and income up to 20-25%.
- vii. Constraints if any in the continued application of these improved technologies:

### **3.11. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab:

1. Year of establishment :2005
2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1			

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	300	3000	15	2100
<b>Total</b>	<b>300</b>	<b>3000</b>	<b>15</b>	<b>2100</b>

#### 4. LINKAGES

##### 4.1 Functional linkage with different organizations

S. No.	Name of organization	Nature of Linkage
1.	State Deptt. of Agriculture	Training, Gosthi, Field day, Kisan Mela
2.	State Deptt. of Horticulture	Training, Goshi, Field day
3.	State Deptt. of Fruit Preservation	Training, Gosthi
4.	State Deptt. of AH	Training, Vaccination & Animal health camp
5.	UP Seeds Corporation	Training, Gosthi
6.	Shreyas Gramin Bank	Training, Gosthi
7.	IFFCO, KRIBHCO	Gosthi

##### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes/No

S. No.	Programme	Nature of linkage
1		
2		

##### 4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1		
2		

##### 4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		
2		

#### 5. Utilization of hostel facilities

S. No.	Programme	No. of days
1		
	<b>Total</b>	

**6. Convergence with departments :**

**7.1. Details of the programmes being implemented by your KVK in partnership with other institution**

S. No.	Name of Programme	Main Institution (IARI, DBT, DST, UPCAR, etc.)	Duration	Budget (in lakh)
1				

**7.2. Brief achievements of above collaborative programmes**

S. No.	Name of Programme	Salient achievement	Impact of the programme
1			

**8. Achievements (Both Technical and physical) of sponsored programmes (As applicable to your KVK) during the reporting period**

S. No.	Name of Programme	Detailed Technical Achievements	Physical (infrastructural achievement)
1	TSP Project		
2	ARYA Project		
3	CFLD-NFSM Project		
	i. Kharif season		
	ii. Rabi season		
	iii. Summer season		
4	CSISA Project		
5	NICRA Project		
6	Soil Health Card		
7	Other (please specify)		
	<b>Total</b>		

**9. Feedback of the farmers about the technologies demonstrated and assessed :**

**10. Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:**

**Annexure - I**

**Training Programme**

**i) Farmers & Farm women (On Campus)**

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G.T.
				M	F	Total	M	F	Total	
<b>Crop production</b>										
10-11.03.23	PF	Improved variety & Balance ferti. In Moong	2	20	-	20	-	-	-	20
26-27.06.23	PF	Natural farming of Paddy	2	20	-	20	5	-	5	25

11.08.23	PF	Weed control by natural farming in Paddy	1	20	-	20	5	-	5	25
14.09.23	PF	Plant protection by natural farming in Paddy	1	20	-	20	-	-	-	25
03-04.10.23	PF	Scientific cultivation of mustard	2	20	-	20	5	-	5	25
08-09.11.23	PF	Natural farming of wheat	2	20	-	20	5	-	5	25
<b>Horticulture</b>										
04-05.01.23	PF	Plant production in Garlic & Onion	2	10	5	15	-	-	-	15
02-03.02.23	PF	IPM in Potato	2	15	5	20	5	-	5	25
23-24.02.23	PF	Natural cultivation of Cucurbits (Bel vali sabjiyan)	3	15	5	20	5	-	5	25
08-09.03.23	PF	Natural farming of Okra	2	10	-	10	-	-	-	10
11-12.05.23	PF	Layout Plan for Orchard.	2	10	-	10	-	-	-	10
07-08.06.23	PF	Raised nursery for Vegetables	2	10	5	15	-	-	-	15
09-10.08.23	PF	Scientific cultivation of Chilli	3	15	5	20	5	-	5	25
07-08.09.23	PF	Scientific cultivation of Garlic	2	15	5	20	-	-	-	20
12-13.10.23	PF	Weed management in Potato	2	15	5	20	5	-	5	25
12-13.12.23	PF	Control of late blight in Potato	2	15	5	20	-	-	-	20
<b>Soil health and fertility</b>										
04-5.1.2023	PF	Production of Vermicompost	2	10	-	10	5	-	5	15
7-8.6.2023	PF	Use of Balance fertilizer in paddy crop	2	10	-	10	5	-	5	15
20-21.09.2023	PF	Use of Balance fertilizer in mustard crop	2	10	-	10	5	-	5	15
8-9.11.2023	PF	Use of Balance Fertilizer in Wheat Crop	2	10	-	10	5	-	5	15
<b>Agri. Extension</b>										
04.02.2023	PF	Importance of KCC for farmers	1	10	5	15	2	3	5	20

17.05.2023	PF	Role of Green fodder in Milk production.	1	10	5	15	2	3	5	20
10.06.2023	PF	Awareness towards Soil Health Card for balance use of fertilizer.	1	15	0	15	5	0	5	20
29.06.2023	PF	Policy and Programme for doubling farm income	1	18	0	18	2	0	2	20
08.07.2023	PF	Assessment of the effectiveness of different sources of Agro advisory services provided to the farmers of the Etah district	1	10	5	15	5	5	10	25
11.08.2023	PF	Role of ITC in doubling the income of farmers	1	15	0	15	5	0	5	20
16.10.2023	PF	Efficient marketing channels for enhancing the income of farm produce.	1	18	0	18	2	0	2	20
<b>Home science/Women empowerment</b>										
06.02.2023	FW	Food Security through kitchen garden at house hold level	1	-	20	20	-	5	5	25
22.03.2023	FW	Preparation of low cost high protein diet for school going children	1	-	20	20	-	5	5	25
04.04.2023	FW	Importance of balance diet of farm women	1	-	20	20	-	5	5	25
26.04.2023	FW	Management of malnutrition through germinated grains & pulses.	1	-	20	20	-	5	5	25
08.05.2023	FW	Value addition of locally available grains	1	-	20	20	-	5	5	25
18.06.2023	FW	Awareness on health & hygienic	1	-	20	20	-	5	5	25
12.07.2023	FW	Infant Feeding & Care	1	-	20	20	-	5	5	25
11.08.2023	FW	Training in capacity building of women SHG,	1	-	20	20	-	5	5	25
22.09.2023	FW	Women & Child care through proper diet	1	-	20	20	-	5	5	25

06.01.2023	FW	Value addition of Pearl millet	1	-	20	20	-	5	5	25
<b>Agricultural Engineering</b>										
07.01.2023	PF	Maintenance of tractor battery	1	25	-	25	6	-	6	31
10.02.2023	PF	Maintenance of solar water pumping set	1	25	-	25	6	-	6	31
03-04.03.2023	PF	Operation and maintenance of electric motor pumping set	2	20	-	20	5	-	5	25
12-13.05.2023	PF	Selection, operation and maintenance of Diesel Engine pump set	2	30	-	30	10	-	10	40
7-8.08.2023	PF	Operation maintenance and repairing of tube wells	2	20	-	20	7	-	7	27
15-16.09.2023	PF	Operation and maintenance of Knap sack sprayer	2	30	-	30	7	-	7	37
19-20.09.2023	PF	Maintenance of battery operated Knap sack sprayer	2	30	-	30	7	-	7	37

**i) Farmers & Farm women (Off Campus)**

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. T.
				M	F	Total	M	F	Total	
<b>Crop production</b>										
05.01.23	PF	Weed control by natural farming in wheat	1	20	-	20	5	-	5	25
04.04.23	PF	Scientific cultivation of Green Gram.	1	20	-	20	5	-	5	25
09.05.23	PF	Plant protection in Pulse.	1	20	-	20	5	-	5	25
22.07.23	PF	Plant protection in Paddy	1	20	-	20	5	-	5	25
12.09.22	PF	Plant protection by natural farming in Maize	1	20	-	20	5	-	5	25
07.10.22	PF	Use of sulphur in Mustard	1	10	-	10	-	-	-	10
07.12.22	PF	1 weed management in wheat	1	20	-	20	5	-	5	25

<b>Horticulture</b>										
11-12.01.23	PF	Scientific method of transplanting of Onion seedlings	2	30	-	30	5	-	5	35
27.01.23	PF	Protection against frost in Potato	1	20	-	20	5	-	5	25
15.02.23	PF	IPM in Mango orchard specially Mealybug	1	10	-	10	5	-	5	15
03.03.23	PF	Integrated Pest control in Potato	1	20	-	20	5	-	5	25
24.03.23	PF	Control of red beetle insect in cucurbits.	1	15	5	20	5	-	5	25
28.03.23	PF	Cultivation on Baby corn	1	10	-	10	-	-	-	10
04.04.23	PF	3G cutting in cucurbits	1	15	5	20	5	-	5	25
17.06.23	PF	Preparation of Pits for Fruit Plant.	1	15	5	20	5	-	5	25
05.08.23	PF	Transplanting of Fruit Plant in Field.	1	15	5	20	5	-	5	25
19.09.23	PF	Integrated Nutrient Management in Garlic	1	15	-	15	-	-	-	15
15.11.23	PF	Integrated Nutrient Management in Cole Crops.	1	10	-	10	-	-	-	10
24.11.23	PF	Integrated pest Management in Garlic.	1	20	-	20	-	-	-	20
06.12.23	PF	Integrated Nutrient Management in Onion bulb production. .	1	10	-	10	-	-	-	10
16.12.23	PF	Care of Rabi Vegetables.	1	10	-	10	-	-	-	10
26.12.23	PF	Cultivation of Hybrid Cabbage.	1	10	-	10	-	-	-	10
<b>Soil health and fertility</b>										
05.04.2023	PF	Soil sampling technique.	1	10	-	10	5	-	5	15
26.04.2023	PF	Soil sampling technique.	1	10	-	10	5	-	5	15
17.05.2023	PF	Benefits of Summer Ploughing.	1	10	-	10	5	-	5	15
24.05.2023	PF	Benefits of Summer Ploughing.	1	10	-	10	5	-	5	15



07.06.2023	PF	Soil sampling technique.	1	10	-	10	5	-	5	15
11.07.2023	PF	Use of micronutrients Zinc & Boron in Kharif crops	1	10	-	10	5	-	5	15
25.07.2023	PF	Use of Bio Fertilizer in Kharif crop	1	10	-	10	5	-	5	15
18.08.2023	PF	Soil sampling technique.	1	10	-	10	5	-	5	15
11.09.2023	PF	Soil sampling technique.	1	10	-	10	5	-	5	15
06.12.2023	PF	Importance of crop residue in soil fertility	1	10	-	10	5	-	5	15
<b>Home science/Women empowerment</b>										
05.01.2023	FW	Value addition of veg. & fruit	1	-	20	20	-	5	5	25
04.02.2023	FW	Nutrition Kitchen Garden	1	-	20	20	-	5	5	25
26.02.2023	FW	Diet Plan for adolescent Girl	1	-	20	20	-	5	5	25
15.03.2023	FW	High nutrients efficiency diet for women	1	-	20	20	-	5	5	25
27.03.2023	FW	Fruit & Vegetables preservation	1	-	20	20	-	5	5	25
03.05.2023	FW	Nutritional loss minimization techniques during processing	1	-	20	20	-	5	5	25
22.05.2023	FW	Safe grain storage	1	--	20	20	-	5	5	25
14.06.2023	FW	Women & Child Care	1		20	20		5	5	25
12.08.2023	FW	Benefits of Nutrition kitchen garden	1	-	20	20	-	5	5	25
07.09.2023	FW	Low cost & Nutrient efficient diet designing	1		20	20	-	5	5	25
04.10.2023	FW	Benefits of Mushroom	1	-	20	20	-	5	5	25
<b>Agricultural Engineering</b>										
17.01.2023	PF	Maintenance of Battery operated Knapsack	1	30	-	30	7	-	7	37

		sprayer								
11.02.2023	PF	Maintenance of diesel engine pump set	1	30	-	30	10	-	10	40
20.04.2023	PF	Maintenance and adjustment of Thresher	1	30	-	30	10	-	10	40
25.04.2023	PF	Maintenance and adjustment of Thresher	1	30	-	30	10	-	10	40
26.04.2023	PF	Maintenance and adjustment of Thresher	1	30	-	30	10	-	10	40
28.04.2023	PF	Maintenance and adjustment of Thresher	1	30	-	30	10	-	10	40
05.07.2023	PF	Repairing and Maintenance of Knapsack Sprayer	1	30	-	30	10	-	10	40
08.07.2023	PF	Repairing and Maintenance of Knapsack Sprayer	1	30	-	30	10	-	10	40
21.07.2023	PF	Safe operation of Tractor & Rotavator	1	30	-	30	7	-	7	37
04.08.2023	PF	Maintenance of Tube well	1	30	-	30	7	-	7	37
02.09.2023	PF	Safety in operation in tractor	1	30	-	30	7	-	7	37
27.10.2023	PF	Calibration of Seed drill	1	30	-	30	7	-	7	37
10.11.2023	PF	Calibration of Seed drill	1	30	-	30	7	-	7	37
<b>Agri. Extension</b>										
10.03.2023	PF	Importance for KCC for farmers	1	10	5	15	2	3	5	20
24.05.2023	PF	Role in Green Fodder in milk production	1	10	5	15	2	3	5	20
14.06.2023	PF	Awareness towards Soil Health Card for balance use of fertilizer.	1	15	5	20	8	2	10	30
12.07.2023	PF	Use and importance of ITK in farming community	1	18	0	18	2	0	2	20
28.07.2023	PF	IFS is the Key approach for doubling farming	1	15	0	15	5	0	5	20

		income								
22.08.2023	PF	Awareness towards income generation via SHGs	1	15	0	15	5	0	5	20
15.09.2023	PF	Assessment of the effectiveness of different sources of Agro advisory services provided to the farmers of the Etah District	1	10	5	15	5	5	10	25
04.10.2023	PF	Income generation via mobilization farm people	1	18	0	18	2	0	2	20
02.12.2023	PF	Role of organic farming in livelihood improvement	1	15	0	15	5	0	5	20

## ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Crop production	Income generating	Wheat seed production	Nov.	4	15	5	20	5	-	5	25
Horticulture	Self employment	Vegetable & Fruits Nursery Management for Rural Youth	August	5	10	-	10	-	-	-	10
Home Science	Self employment	Stitching & Rural Craft	July	15	-	20	20	-	5	5	25
Agril. Engg.	-do-	Diesel engine repairing	June	1 month	30	-	30	8	-	8	38

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>On Campus</b>										
Crop production	EF	Integrated Pest Management	2	20	-	20	-	-	-	20
Horticulture	EF	Natural farming of vegetables	2	10	-	10	-	-	-	10
Home Science	EF	Preparation of Nutritious food from locally available grain	2	-	20	20	-	10	10	30
Agri. Engg.	EF	Calibration of zero tillage seed drill for wheat sowing in paddy field	2	30	-	30	8	-	8	38
Agri. Engg.	EF	Repair and maintenance of sprayer	2	25	-	25	7	-	7	32
Soil Science	EF	Production and use of organic inputs-Nadap Compost & Vermi Compost.	2	20	-	20	10	-	10	30

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
<b>a) Sponsored training programme</b>											
			<b>Total</b>								
<b>b) Sponsored research programme</b>											
			<b>Total</b>								
<b>c) Any special programmes</b>											
			<b>Total</b>								

**ICAR-ATARI, Kanpur**  
**Action Plan for Doubling Farmers Income by 2022**  
**(To be filled in by KVKs)**

(Please see the entire format before starting filling and do not insert any extra column in the format)

**Summary of 02 Villages adapted by KVK for DFI:**

Name of the KVK	Name of Villages	Block & Tehsil of Village	Total Population of Village	No of Farmer Family in the Village	Distance of Village from KVK	Distance between both Villages
Etah	Name of Village1	Margayan	2500	360	20	33
	Name of Village2	Jalukheda	4500	235	13	33

**Detail Information of 02 Villages adapted by KVK for DFI:**

S.N.	Particular	Detail information in r/o Village1	Detail information in r/o Village2
1	Name of KVK	KVK, Etah	KVK, Etah
2	Name of villages to be adopted by KVK	Margayan	Jalukheda
3	Number of farmers to be targeted	360	235
4	Area of agriculture land (ha):	380	400
5	Area of irrigated land (ha):	380	400
6	Number of water body:	1	2
7	Area of water body (ha):	1.5	1
8	Number of different livestock animals:	1080	800
9	Soil status:	Sandy Loam	Sandy Loam
10	Average nutrients (nitrogen, phosphorous, potash, etc) used:Kg/ha.	N-260, P-60, K-40	N-240, P-50, K-30
11	Major diseases occurred in crops:	Wilt, Ruast, Blight, Mosaic	Wilt, Ruast, Blight, Mosaic
12	Major diseases occurred in livestock:	Galaghontu, Khurpaka, Thanela	Galaghontu, Khurpaka, Thanela
13	Post-harvest management/ value addition followed,	NO	NO

	if any:				
14	Marketing channels of products:	Awagarh, Etah & Aligarh Mandi		Awagarh, Etah & Aligarh Mandi	
15	Agro-based industries, if any:	NO		NO	
16	Average income of the farmer:	Rs. 60000-65000		Rs. 60000-80000	
17	Average yield of livestock:	1500Lit.		1800Lit.	
18	Average yield of fisheries:	NIL		NIL	
19	Average yield of different crops cultivated in the both Villages	Name of Crop	Yield of Crop in q/ha	Name of Crop	Yield of Crop in q/ha
		Paddy	35	Paddy	38
		Bajra	25	Bajra	26
		Wheat	34	Wheat	37
		Moong	8	Moong	9
		Mustard	12	Mustard	15
		Potato	200	Potato	208
20	Possibility of involvement of ICAR Institutes:	Name of the Institute	Likely Helps to be Taken	Name of the Institute	Likely Helps to be Taken
		ATARI, Kanpur	Financial & Technical	ATARI, Kanpur	Financial & Technical
21	Possibility of involving private sectors for CSR funds (TCS, WIPRO, Reliance Industries, Bill & Millinda Gates Foundation, Dhanuka Group, Surya Foundation, Mahindra & Mahindra, etc.):	Name of Private Sector	Likely Helps to be Taken	Name of Private Sector	Likely Helps to be Taken
		Try to help	Financial	Try to help	Financial
22	Name of other partners to be involved (State Deptt./ Central govt. Deptt./ PSU/ NGO/ Private org.):	Name of the Departments	Likely Helps to be Taken	Name of the Departments	Likely Helps to be Taken
		State Deptt.	Critical Input	State Deptt.	Critical Input

23	<b>FPO formed or not? (YES/NO)</b>	<b>NO</b>	<b>NO</b>
24	<b>Major interventions planned for Villages</b>	<b>List of Interventions</b>	<b>List of Interventions</b>
		<b>Latest Variety Seed</b>	<b>Latest Variety Seed</b>
		<b>INM</b>	<b>INM</b>
		<b>IPM</b>	<b>IPM</b>
		<b>Management of Livestock</b>	<b>Management of Livestock</b>

**25. Action Plan (including interventions made) and Budget requirement for both the villages:**

Sl. No.	Action Plan (including interventions made) for the <b>village name1</b> and Budget requirement:	Activities planned	Expected Outcome	Budget			
				2018- 19	2019- 20	2020- 21	2021- 22
1		Introduce improved HYV	Extra Rs.2000.0/ha/year	Rs.300000.0	Rs.300000.0	Rs.300000.0	Rs.300000.0
		Use of balance fertilizer as per Soil health Card	Extra Rs.1500.0/ha/year	Rs. 50000.0	Rs. 50000.0	Rs. 50000.0	Rs. 50000.0
		Use of Efficient Machinery for reduction of cost(Hand hoe, Happy seeder, Battery operated sprayer, Cono-weeder & Fertilizer broadcaster)	Extra Rs.1000.0/ha/year	Rs.100000.0	Rs.100000.0	Rs.100000.0	Rs.100000.0
		Introduce cash and Vegetable crop for DFI	Extra Rs.3000.0/ha/year	Rs.20000.0	Rs.20000.0	Rs.20000.0	Rs.20000.0
		Use of Organic matter / Crop residue for increase Soil fertility and save money on Chemical fertilizer	Extra Rs.2000.0/ha/year	Rs. 40000.0	Rs. 40000.0	Rs. 40000.0	Rs. 40000.0
		Value addition of Crop production	Extra Rs.1000.0/ha/year	RS. 38000.0	RS. 38000.0	RS. 38000.0	RS. 38000.0
		<b>Management of Livestock</b>	Extra Rs.4000.0/ha/year	Rs. 20000.0	Rs. 20000.0	Rs. 20000.0	Rs. 20000.0

			<b>Total VillageName1</b>	<b>Rs.568000.0</b>	<b>Rs.568000 .0</b>	<b>Rs.568000 .0</b>	<b>Rs.568000 .0</b>
<b>2</b>	<b>Action Plan (including interventions made) for the <b>village name2</b> and Budget requirement:</b>	Introduce improved HYV	<b>Extra Rs.2000.0/ha/year</b>	<b>Rs.300000.0</b>	<b>Rs.300000 .0</b>	<b>Rs.300000 .0</b>	<b>Rs.300000 .0</b>
		Use of balance fertilizer as per Soil health Card	<b>Extra Rs.1500.0/ha/year</b>	<b>Rs. 50000.0</b>	<b>Rs. 50000.0</b>	<b>Rs. 50000.0</b>	<b>Rs. 50000.0</b>
		Use of Efficient Machinery for reduction of cost(Hand hoe, Happy seeder, Battery operated sprayer, Cono-weeder & Fertilizer broadcaster)	<b>Extra Rs.1000.0/ha/year</b>	<b>Rs.100000.0</b>	<b>Rs.100000 .0</b>	<b>Rs.100000 .0</b>	<b>Rs.100000 .0</b>
		Introduce cash and Vegetable crop for DFI	<b>Extra Rs.3000.0/ha/year</b>	<b>Rs.20000.0</b>	<b>Rs.20000. 0</b>	<b>Rs.20000. 0</b>	<b>Rs.20000. 0</b>
		Use of Organic matter / Crop residue for increase Soil fertility and save money on Chemical fertilizer	<b>Extra Rs.2000.0/ha/year</b>	<b>Rs. 40000.0</b>	<b>Rs. 40000.0</b>	<b>Rs. 40000.0</b>	<b>Rs. 40000.0</b>
		Value addition of Crop production	<b>Extra Rs.1000.0/ha/year</b>	<b>RS. 38000.0</b>	<b>RS. 38000.0</b>	<b>RS. 38000.0</b>	<b>RS. 38000.0</b>
		<b>Management of Livestock</b>	<b>Extra Rs.4000.0/ha/year</b>	<b>Rs. 20000.0</b>	<b>Rs. 20000.0</b>	<b>Rs. 20000.0</b>	<b>Rs. 20000.0</b>
			<b>Total VillageName2</b>	<b>Rs.568000.0</b>	<b>Rs.568000 .0</b>	<b>Rs.568000 .0</b>	<b>Rs.568000 .0</b>
			<b>Grand Total</b>	<b>Rs.1136000.0</b>	<b>Rs.113600 0.0</b>	<b>Rs.113600 0.0</b>	<b>Rs.113600 0.0</b>



**INFORMATION FOR PREPARING ACTION PLAN 2023-24 OF *IN-SITU* CROP RESIDUE MANAGEMENT**

**Name of KVK: - Etah**

**Name of Host organization- R.B.S. College Agra**

**A) Name of Villages to be adopted in 2023-24** (villages should be different from the villages adopted under CRM project in 2022-23)

S. No.	Name of village	Name of block	Name of district
1.	Jinawali	Awagarh	Etah
2.	Sahanauwa	Awagarh	Etah
3.	Nagala Runi	Awagarh	Etah
4.	Nagala Ganga	Awagarh	Etah
5.	Gahrana	Nidholi Kalan	Etah

**B) Requirement of Machinery**

S. No.	Name of Machinery	No. of Machines required (2019-20)
1.	Happy Seeder	-
2.	Paddy straw Chopper/ Shredder/ Mulcher	-
3.	Shrub master/ Cutter cum spreader	-
4.	Reversible M.B. Plough	-
5.	Rotary Slasher	-
6.	Zero Till drill	<b>1</b>
7.	Rotavator	-
8.	Super SMS for Combine Harvester	-

**C) IEC activities to be conducted**

S. No.	Name of activity	Number/Area
1	Demonstration (ha)	100 Hectare
2	Training courses (Number)	5 No.
3	Kissan Mela (Number)	2 No.
4	Farmer-Scientist interface (Number)	2No.
5	Awareness camps (number At village level At block level At district level	5No. 2 No. 1 No.

6	Mobilization of school students (Number of schools)	2 No.
7	Mobilization of college students (Number of college)	2 No.

#### D) Publicity and Advertisement

S. No.	Particulars	Number (s)
1.	Advertisement in Print media	6 No.
2.	Columns/Articles in newspaper and magazines etc. to be published	4 No.
3.	Hoardings to be fixed (at Mandi/ Road side/ Market/ Schools/ Petrol pump/ Panchayat etc.)	20 No.
4.	Jingles on Radio/ TV, Scroll message on TV and Audio-Visual clips to be prepared	2 No.
5.	Poster/ Banner to be prepared	150 No.
6.	Publicity material – leaflets/ pamphlets etc. to be prepared	20000 No.
7.	TV programmes/ panel discussion Doordarshan/ DD-Kisan and other private channels	2 No.
8.	Any other (mention the name) Award for Zero Straw burning	4 No.

#### Gramin Krishi Mausam Seva (DAMU)

Activities	No. Of Activities	Beneficiaries
AAS (Each Tuesday and Friday)	112	1500
Field Days	15	200
Develop Success Story	2	0
Publication (leaflet, folder and manual)	5	700
Feed back (Farmers )	100	-
Farmers add through wattsapp	2000	3500
Villages covers (No.)	150	10000
Meghdoot App, Damini App &Mausam App	150	300
Establishment of Observatory & AWS	1. ( unit)	-
Soil moisture equipment	1 Kit	-
Develop Video clipping	5	-
Impact Analysis of weather Forecast	8	8
Generate what's app Group	8	-

**KVK-1 GHAZIPUR ACTION PLAN**  
(1<sup>st</sup> January, 2023 to 31<sup>st</sup> December, 2023)

**1. GENERAL INFORMATION ABOUT THE KVK**

**1.1. Name and address of KVK with phone, fax and e-mail**

Address	Telephone		E-mail	Website
	Office	Fax		
Krishi Vigyan Kendra, P.G. College, Ghazipur- 233 001 (U.P.)	0548- 2220059	0548- 2220059	ghazipurkvk@gmail.c om	www.ghazipur.kvk4.in
Facebook page	www.facebook.com/kvkghazipur			
Twitter Handle	@kvkghazipur			

**1.2 .a. Name and address of host organization with phone, fax and e-mail**

Address	Telephone		E-mail
	Office	FAX	
Post-Graduate College, Ghazipur-233001 (U.P.)	<b>0548-2220270</b>	<b>0548- 2220270</b>	ghazipurkvk@gmail.com

**1.2.b. Status of KVK website : Yes**

**1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :**








**1.2.d Status of ICT lab at your KVK :Lab established in 2008 and most of the equipments are obsolete and not working**








**1.3. Name of Sr. Scientist and Head with phone & mobile No**

Name	Telephone / Contact		
	Residence	Mobile	E-mail
Dr. Vinod Kumar Singh	-	8005434271 05482220059 (O)	ghazipurkvk@gmail.com


**1.4. Year of sanction: 2001**


**1.5. Staff Position (As on 31-Aug-2022)**

Sl. No.	Sanctioned Post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present Basic Pay	Date of Joining	Permanent / Temporary	Cat.	Mobile	E-mail	Photo
1.	SMS	Dr. Vinod Kumar Singh	Sr. Scientist and Head(I/c) and SMS	Horticulture	(Pay Matrix 10)	95500	20-Aug-02	Permanent	Others	8005434271	<a href="mailto:svinod036@gmail.com">svinod036@gmail.com</a>	
2.	SMS	Dr. Dharmendra Kr. Singh	SMS	Soil Science	Pay Matrix 10	95500	20-Aug-02	Permanent	Others	9450725207	<a href="mailto:Dksingh.ghazipur@gmail.com">Dksingh.ghazipur@gmail.com</a>	
3.	SMS	Dr. Shiv Kumar Singh	SMS	Agronomy	Pay Matrix 10	77700	01-Nov-10	Permanent	Others	9415915141	<a href="mailto:shvkmrsingh01@gmail.com">shvkmrsingh01@gmail.com</a>	
4.	SMS	Dr. Dharam Prakash Shrivastava	SMS	Veterinary	Pay Matrix 10	69000	01-Jan-16	Permanent	Others	9889807070	<a href="mailto:dr.dpsrivastava56@gmail.com">dr.dpsrivastava56@gmail.com</a>	
5.	SMS	Mr. Omkar Singh	SMS	Plant Protection	Pay Matrix 10	63100	04-Mar-18	Permanent	Others	9557994323	<a href="mailto:Omkar.singh39734@gmail.com">Omkar.singh39734@gmail.com</a>	
6.	Programme Assistant (Computer)	Mr. Ashish Kumar Bajpai	Programme Assistant (Computer)	Computer	Pay Matrix 6	68000	17-Jun-02	Permanent	Others	9838647046	<a href="mailto:ashishbajpai.99@gmail.com">ashishbajpai.99@gmail.com</a>	
7.	Programme	Mr. Manoj Kumar Mishra	Programme Assistant	Ag. Engg	Pay Matrix	66000	1-Jul-03	Permanent	Others	9532686528	<a href="mailto:manoj.mishra417@gmail.com">manoj.mishra417@gmail.com</a>	

	Assistant (Lab. Tech.)		(Lab. Tech.)		6						ail.com	
8.	Assistant	Mr. Ashutosh Singh	Assistant	Commerce	Pay Matrix 6	64100	4-Apr-05	Permanent	Others	9450240647	<a href="mailto:meashutosh.singh@gmail.com">meashutosh.singh@gmail.com</a>	
9.	Farm Manager	Dr. Pramod Kumar Singh	Farm Manager	Agronomy	Pay Matrix 6	49000	20-Oct-11	Permanent	Others	9451836087	<a href="mailto:ppramodsinh82@gmail.com">ppramodsinh82@gmail.com</a>	
10.	Stenographer-III	Mr. Sunil Kumar	Stenographer-III	Stenography	Pay Matrix 4	46100	05-Jun-02	Permanent	OBC	9454244338	<a href="mailto:Kumars1977sts@gmail.com">Kumars1977sts@gmail.com</a>	
11.	Driver-cum-Mechanic	Mr. Santlal Gupta	Driver cum Mechanic	-	Pay Matrix 3	34000	04-Apr-05	Permanent	OBC	9935508699	<a href="mailto:santlalkvk@gmail.com">santlalkvk@gmail.com</a>	
12.	Driver-cum-Mechanic	Mohd. Azad Ansari	Driver cum Mechanic	-	Pay Matrix 3	24500	04-Mar-18	Permanent	OBC	9651601443	-	
13.	Supporting staff Grade-I	Mr. Tausif Alam	Supporting staff Grade-I	-	Pay Matrix 2	29700	05-Jun-02	Permanent	OBC	9616250482	-	
14.	Supporting staff Grade-I	Mr. Rajesh Rawat	Supporting staff Grade-I	-	Pay Matrix 2	22100	16-Sep-15	Permanent	SC	9839136494	-	

**Staff Position under DAMU Project**

1.	Subject Matter Specialist	Mr. Kapil Dev Sharma	SMS-Agro meteorology	Agro-meteorology	Fixed	50000	17-Feb-2020	Contractual	Gen	9719545512	<a href="mailto:Kapildevsharma894@gmail.com">Kapildevsharma894@gmail.com</a>	
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			gy									
2.	Agro met Observer	Ms. Manorama	Agro-met Observer	Agro- meteorolo gy	Fixed	2000 0	11-Feb- 2020	Contract ual	SC	809099708 6	manunpic@g mail.com	

**1.6. Total land with KVK (in ha):18.75**

S. No.	Item	Area (ha)
1	Under Buildings	2.50
2.	Under Demonstration Units	65 sqm
3.	Under Crops	12.50
4.	Orchard/Agro-forestry	3.75
5.	Under fodder excellence center	
6	Others (specify)	
<b>Total</b>		<b>18.75</b>

**1.7. Infrastructural Development:**

**A) Buildings**

S N	Name of building	Source of fundi ng	Stage						Requi red New	Needs renova tion
			Complete			Incomplete				
			Comple tion Date	Plinth area (Sq.m)	Expenditu re (Rs.)	Starti ng Date	Plinth area (Sq.m )	Status of constr uction		
1.	Administrati ve Building	ICAR	31.03.20 04	550.00	3495389.0 0	-	-	-	-	Yes
2.	Farmers Hostel	ICAR	31.03.20 07	305.00	2829400.0 0	-	-	-	-	Yes
3.	Staff Quarters (6)	ICAR	31.03.20 06	400.00	2609518.0 0	-	-	-	-	Yes
4.	Demonstrati on Units (2)	ICAR	31.03.20 06	65.00	145795.00	-	-	-	Yes	-
5	Fencing	ICAR	31.03.20 06	100 m (runnin g)	167965.00	-	-	-	Yes	-
6	Rain Water harvesting system	-	-	-	-	-	-	-	-	-
7	Threshing floor	ICAR	31.03.20 06	250.00	99975.00	-	-	-	-	-
8	Farm go- down	ICAR	20.02.20 10	-	200000.00	-	-	-	Yes	-
9	Irrigation channel	ICAR	31.03.20 06	-	1257000.0 0				Yes	-
1 0	Integrated Farming System	ICAR	31.03.20 11	-	200000.00	-	-	-	Yes	-
1 1	Integrated Farming System	ICAR	31.03.20 17	-	300000.00	-	-	-	-	-
1 2	Mini Seed Processing Unit	ICAR	31.03.20 18	-	3000000.0 0	-	-	-	-	-

**B) Vehicles (As on 31<sup>st</sup> August, 2022)**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms Run	Present status	Required replacement
Motorcycle (UP-61 D-4729)	2004	48443.00	29759	Very bad condition	Yes
Motorcycle (UP-61 D-5795)	2004	48443.00	32468	Very bad condition	Yes
Jeep (Mahindra Bolero) (UP-61 G-0384)	2017	668000.00	50522	Good	No
Tractor (UP-61 G-0385)	2017	606000.00	1958hrs	Good	No

**C) Equipment & AV aids**

Name of the equipment	Year of purchase	Cost (Rs)	Present status	Required replacement
Computer with UPS	2002	30600.00	Not working	Yes
Laser Printer (HP)	2002	18000.00	Not working	Yes
Inkjet Printer (HP)	2004	5150.00	Not working	Yes
Multi-Functional (HP)	2006	10000.00	Not working	Yes
Electronic Balance	2004	27000.00	Bad condition	Yes
LCD Multimedia Projector	2006	99957.00	Bad condition	Yes
Over Head Projector	2003	6000.00	Not working	-
Slide Projector	2003	14500.00	Not working	-
Photocopier	2007	74880.00	Bad condition	Yes
Multifunctional (Sharp)	2002	30000.00	Not working	Yes
Raised Bed Planter	2005	66550.00	Bad condition	Yes
Tractor Trolley	2004	64000.00	Condemned	Yes
Power Thresher	2004	65000.00	Bad condition	Yes
Power Sprayer	2004	4800.00	Condemned	Yes
Zero-till seed drill-ferti Machine	2008	25000.00	Bad condition	Yes
Camera (Digital Audio Sony)	2008	20000.00	Bad condition	Yes
Generator	2009	53260.00	Bad condition	Yes
Raised Bed Planter	2010	70000.00	Good	-
Soil Testing Machine	2015	75000.00	Good	-
GPS Receiver	2015	7457.00	Good	-
Biometric Attendance System	2016	5900.00	Good	-
Desktop Computer	2016	30000.00	Good	-



Laptop Computer	2016	32850.00	Good	-
Laser Printer	2016	7200.00	Good	-
MFP Laser Based	2016	11800.00	Good	-

### 1.8 ) Details of SAC meetings to be conducted in the year

SN	Meeting	Date
1.	Scientific Advisory Committee	February 2022

## 2.DETAILS OF DISTRICT

### 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1.	Agri-Livestock
2.	Agri-Horticulture

### 2.2 Description of agro ecological situations (based on soil and topography)

Ghazipur falls under eastern plain zone. It comes under sub-tropical zone.

#### a) Soil types

S. No	Agro ecological situation	Characteristics
1.	AES-1(Sadar, Karanda, Saidpur, Deokali & Manihari)	Alluvial, very deep soil having 0 to 1% slope, loam to silt loam soil texture slightly eroded soil
2.	AES-2(Birno, Sadat, Mardah, Kasimabad)	Alluvial, slightly saline alkali soil, loam to silt loam, 0 to 1%, slightly eroded soil and imperfectly drained soil because calcium carbonate 'Kankar' pan
3.	AES-3 (Mohammadabad, Bhawarkol, Barachawar, Zamania, Rewatipur & Bhadaura)	Water logged Karail, very deep, clay loam to silty clay loam, 1-3% slope, medium rainfall, canal/tubewell irrigation, slightly eroded irrigation

#### b) Topography

S. No	Agro ecological situation	Characteristics
1.	AES-1(Sadar, Karanda, Saidpur, Deokali & Manihari)	Normal flat and sodic soil
2.	AES-2 (Birno, Sadat, Mardah, Kasimabad)	Normal flat and sodic soil
3.	AES-2 (Mohammadabad, Bhawarkol, Barachawar, Zamania, Rewatipur & Bhadaura)	Water logged

### 2.3 Soil types

Sl. No	Soil type	Characteristics	Area (ha )
1	Alluvial Soils	These are formed by the deposition of sediments by rivers. They are rich in humus and very fertile. These soils have a wide range in soil characteristics viz. acid to alkaline, sandy to clay, normal to saline, sodic and calcerous shallow to very deep	253442.05
2	Black soil	These soils are made up of volcanic rocks and lava-flow. It consists of lime, iron, magnesium and also potash but lack in phosphorous and organic matter. The soils are highly clayey, the clay contents varying from 35-60%. The soils are characterized by high swelling and shrinkage, plasticity and stickness	43485.82
3	Salt Affected Soil	In Indo-Ganga plains, the soils are generally are medium texture sandy loam in the surface and clayey loam below. The soils, in the majority of the cases contain calcium carbonate and have a zone of calcium carbonate concretions at a depth of about 1 meter below the surface	4876.00

#### 2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (thousand ha)	Production (thousand ton)	Productivity (Qtl /ha)
<b>A</b>	<b>FIELD CROPS INCLUDING OIL SEEDS AND PULSES</b>			
1.	Rice	148.89	318.08	21.36
2.	Bajra	14.98	11.00	7.34
3.	Pigeon pea	5.54	6.23	9.42
4.	Wheat	174.02	456.99	26.26
5.	Lentil	7.63	5.13	6.73
6.	Chick pea	4.30	4.04	9.38
7.	Field Pea	3.59	3.35	9.33
8.	Mustard	0.44	0.44	10.14
9.	Barley	7.39	15.65	21.18
10.	Toria	2.20	2.03	9.18
11.	Maize	0.59	0.94	15.83
12.	Jwar	2.77	2.18	7.88
13.	Urd	0.74	0.33	4.50
14.	Moong	0.04	0.01	3.08
15.	Ground nut	0.04	0.04	1.50
<b>B</b>	<b>VEGETABLES</b>			
1.	Potato	7.854	555.00	201.2
2.	Onion	0.865	-	-
3.	Tomato	3.50	14.00	400.0
4.	Cucurbits	3.100	85.00	240.0
5.	Cauliflower	2.70	73.00	300.0
6.	Brinjal	2.50	75.00	300.0
7.	Cabbage	1.50	28.00	180.0

#### 2.5 Weather Data

Month	Rainfall (mm)	Temperature( <sup>0</sup> C)		Relative Humidity (%)
		Max	Min	
January'2022	32.00	24.20	5.00	32/100
February'2022	6.00	30.50	7.30	26/100
March'2022	0	39.20	12.20	13/100
April'2022	0	43.70	18.90	8/100
May'2022	15	43.80	22.10	17/100
June'2022	139.00	44.80	24.80	13/100
July'2022	154.50	40.50	25.70	45/100
August'2022	99.00	37.80	25.30	42/100

## 2.6. Production and productivity of livestock, Poultry, Fisheries etc in the district

Category	Population	Production	Productivity
<b>Cattle</b>	<b>381891</b>		
<i>Crossbred</i>	56124		
<i>Indigenous</i>	325767		
<b>Buffalo</b>	478776		
<b>Sheep</b>	<b>56624</b>		
<i>Crossbred</i>	2024		
<i>Indigenous</i>	54600		
<b>Goats</b>	<b>307656</b>		
<b>Pigs</b>	<b>12043</b>		
<i>Crossbred</i>	1452		
<i>Indigenous</i>	105991		
<b>Rabbits</b>	-		
<b>Poultry</b>	<b>473713</b>		
Hens (Desi)	102210		
<i>Cock (Desi)</i>	75976		
<i>Improved</i>	38545		
Ducks	19785		
Turkey and others	690		

Category	Area	Production	Productivity
Fish	255.671	10787.400	42.192 q/ha

## 2.7 Details of Operational Area / Villages

S N	Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	PriorityThrust Areas
1.	Sadar	Devkali	Budhanpur, Chanipur, Sarai Sharif, Rampur Manjha, Nari Panchdevara, Basuchak, Naisara, Shekhpur palia	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato	Low Yield, Anestrus and malnutrition in animal, weed infestation, pod-borer in pea, chick pea, Pigeon pea	To improve productivity per unit area
2.	Sadar	Birano	Taranpur	do	do	do
3.	Sadar	Sadar	Maharajganj, Semrachakfaiz, Rajauli	do	do	do
4.	Jakhania	Jakhania	Karanjee Harihar, Shankarsingh Dullahpur, Kanuan	do	do	do
5.	Saidpur	Saidpur	Kotisha, Etaha, Malikpur, Holipur, Inamipur, Mirzapur, Mahrupur	do	do	do
6.	Sadar	Sadar	Sakara, Mangalmaidai, Mohav, Islamabad, Shekhpur, Aurangabad, Diliya	do	do	Do
	Saidpur	Sadat	Mirzapur, Shishuapar			
Selected Village for Doubling Farmers Income						
1	Sadar	Sadar	Agusta Salamatpur	do	do	do
2	Sadar	Sadar	Bhatauli	do	do	do

### PriorityThrust Areas

S N	Thrust Area
1	Productivity enhancement of cereals, pulses, oilseeds and horticultural crops
2	Seed production technology of cereals, pulses, oilseeds and horticultural crops
3	Integrated Disease Management of Cereals, Pulses, Oilseed and horticultural crops
4	Green manuring: Popularize the Dhaincha, Sanai, Urd and Moong
5	Integrated Pest Management of Cereals, horticultural crops, oilseeds, pulses
6	Integrated Nutrient Management of Cereals, horticultural crops, oilseeds, pulses
7	Raising productivity of livestock, fisheries and poultry by upgrading the genetic potential by artificial insemination and use of mineral mixture, disease and parasitic control, proper feeding and management
8	Motivating for organic cultivation of agricultural/horticultural crop
9	Cultivation of Mentha, Alovera, Satavar etc.
10	Kitchen gardening for production of nutritional food by women farmers
11	Post-Harvest management of food grain seed, fruits, vegetables, milk and milk products
12	Introduction of improved agricultural tools for drudgery reduction for farmwomen
13	Management of soil and soil health
14	Backstopping in marketing for agricultural produce

### 3 .TECHNICAL PROGRAMME

#### 3. A. Details of targeted mandatory activities by KVK during 2022

OFT (1)		FLD (2)	
No. of OFTs	No. of Farmers	Area(ha)	Number of farmers
10	45	36.65	160

Training (3)		Extension Activities (4)		Activities under DAMU Project (5)	
No. of Courses	No. of Participants	No. of activities	No. of participants	No. of activities	No. of participants
124	2365	1709	12320	136	64080

Seed Production (Qtl.) (6)	Planting material (Nos.) (7)	Fish seed prod.(nos) (8)	Soil Sample to be analyzed (9)
247	21100	-	600

Development of Soil Health Cards(Nos) (10)	Quality seed distribution (q) (11)	No of saplings distribution (12)	No of fingerlings distribution (Nos) (13)	No of livestock & poultry strains distribution(Nos) (14)
3000		21100	-	2575

### 3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Ext. activities	Supply of seeds, planting materials etc.
1	Productivity enhancement (PP)	Chick pea	Low yield of chick pea due to severe infestation of wilt and pod borer	Assessment of IPM module in chick pea under rice-wheat production system	-	Disease management of chick pea  Insect management in chick pea	-	-	Seed, neem based insecticide, trichoderma viridi powder, carbendazim, emamectin benzoate of methomyl
2	Productivity enhancement (PP)	Paddy	Low yield of paddy due to false smut	Assessment of false smut management in paddy	-	-	-	-	Fungicide, herbicide
4	Productivity Enhancement (Agr)	Chick pea	Low yield of chick pea due to old variety	Assessment of newly released chick pea varieties	-	Production technology of Chick pea			HYV Seed Chick pea(HK-4, WCG-3)

5	Productivity enhancement (Hort)	<b>Cabbage</b>	Low yield due to imbalanced use of fertilizer and no use of micronutrients	Assessment of micronutrients application with balanced dose of fertilizer in cabbage	-	Production technology of cabbage	-	-	Micronutrients (Amonium molybdenum and Borox)
6	Productivity Enhancement (Hort)	<b>Banana</b>	Low productivity and profitability in banana due to late plantation.	Evaluation of time of plantation in banana crop	-	Production technology of banana	-	-	Planting material
7	Productivity enhancement (Soil)	<b>Chick Pea</b>	Low yield of chick pea due to no use of boron and use of imbalanced dose of chemical fertilizer	Assessment of boron with balanced dose of fertilizer in chick pea	-	INM in chick pea	-	-	Seed, Boron
8	Nutrient Management (Vet)	<b>Cow</b>	Feed and Fodder management	Evaluation of Azolla on milk yield and infertility among dairy cattle	-	-	Feed management	-	Azolla seed(Var Azolla Pinnata), polythene sheet
9	Feeding Management (Vet)	<b>Cow/Buffalo</b>	Poor milk yield	Assessment of UMMB(Urea Mineral Molasses Block) animal feed supplementation control infertility	-	-	Feeding management of cows	-	UMMB block, block making machine

10	Nutritional Security (HSc)	Wheat, Gram, Bajra	Low nutritional status and malnutrition of farm families	Assessment of the effective supplementation of fortified wheat flour for improvement of nutritional status of farm families	-	Preparation of nutritious food for children through fortification Improvement of health status of farmwomen by fortified food			Bajra, gram
11	Improvement of productivity in pigeon pea (Agr)	Pigeon Pea	Low yield of pigeon pea due to non-use of HYV and wilt resistance variety	-	Component demonstration of new released variety of pigeon pea and bio-control of wilt	Agro-technique of pigeon pea Productivity enhancement of Pigeon Pea Seed production technique in pigeon pea	-	-	Seed NA-2 and trichoderma
12	Productivity enhancement in chick pea	Chick pea	Low yield of chick pea due to old variety and disease	-	Component demonstration of new released variety of chick pea with disease management	Agro-technique of chick pea Productivity enhancement of chick Pea Seed production technique in chick pea	-	-	Seed NA-1581, trichoderma, carbendazim+mancozeb, carbendazim



13	Productivity enhancement in mustard (Soil)	<b>Mustard</b>	Low yield due to non-use of HYV, imbalance use of fertilizer application including Sulphur	-	Component demo of new released HYV of mustard & balance use of fertilizer on the basis of soil testing	Agro-techniques in mustard  Role of S in mustard crop	INM in Rabi crops	01	Seed, Pusa-tarak, SSP
14	Productivity Enhancement in paddy (Soil)	<b>Paddy</b>	Low yield of paddy due to imbalance use of fertilizer & improper use of ZnSO <sub>4</sub>	-	Nutrient management in paddy	Fertilizer management in rice nursery  Fertilizer management in paddy  Role of Zn & S in paddy		-	ZnSO <sub>4</sub>
15	Productivity enhancement in potato (Hort)	<b>Potato</b>	Low yield of potato due to non-availability of HYV quality potato seed	-	Demo of new released HYV of quality potato Kufari Chipsona-3	Scientific cultivation of potato & management	-	-	Seed (Tuber), Kufari Chipsona-3
16	Productivity enhancement in onion (Hort)	<b>Onion</b>	Low yield of onion due to non-availability of HYV quality onion seed	-	Demo of new released HYV of quality onion agri-found dark red/nassik	Scientific cultivation of onion & management	-	-	Seed Agri-found dark red/nassik

17	Productivity enhancement in wheat (Agr)	Wheat	Low yield of wheat due to use of old variety	-	Varietal evaluation	Scientific cultivation of wheat			Seed, Variety DBW-187, Karan Vandana
18	House hold food security among the farming women (Home)	Nutritional Gardening	Poor food security due to non-availability of vegetables in daily diet		Promotion of nutritional kitchen gardening	Multigrain nutritional recipe for pregnant and lactating farmwomen from locally available resources  Nutritional security by kitchen gardening  Preparation of low cost nutritious food recipes from locally available resources for farm women and school going children	-	-	Seed and planting materials of fruits and vegetable plants
19	Productivity enhancement in green fodder (Vet)	Berseem	Low yield due to non-use of HYV	-	HYV seed with use of Rhizobium culture	Importance of feeding green fodder	-	-	Seed+ Rhizobium culture
20	Feeding management in Cow (Vet)	Cow	Poor quality feeding	-	Use of mineral mixture and dewormer	Feeding in dairy animal	-	-	Mineral mixture, dewormer

### 3.1 Technologies to be assessed

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tube Crops	TOTAL
Varietal Evaluation			1			1				2
Integrated Crop Management	1									1
Integrated Nutrient Management			1		1					2
Value addition/Nutritional Security	1									1
Integrated Pest Management			1							1
Integrated Disease Management	1									1
<b>TOTAL</b>	<b>3</b>		<b>3</b>		<b>1</b>	<b>1</b>				<b>8</b>

#### A.2 Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Worm culture	Fisheries	TOTAL
Nutrition Management	01							01
Feed and Fodder	01							01
<b>TOTAL</b>	<b>02</b>							<b>02</b>

### 3.1 Details of ON FARM TRIALS (Based on soil test analysis)

#### OFT-1

Particulars	Contents
<b>Title</b>	Assessment of IPM strategies for pod borer management in chick pea
<b>Problem diagnosed</b>	Wilt and pod borer are major biotic stresses in the region and it causes serious losses in yield
<b>Micro farming situation</b>	Sandy loam, low in organic matter, saline pH, low water-holding capacity, imbalance use of fertilizer, mini deep tube well, low productivity
<b>Details of technology identified for solution</b>	T1-Farmers practice (No control measure adopted/improper use of Pesticides) T2:-IPM strategies (i)Seed treatment with Trichoderma @ 10 gm/kg seed (ii)Line sowing + coriander (10:1) or linseed (2:1) (iii) Application of neem based products containing 1500 ppm@ 3 litre/ ha at 50% flowering

	(iv) Spray of Methomyl 40% SP @ 1.25 litre/ha at 50% flowering and at 50% pod filling stage
<b>No. of farmers</b>	04
<b>Replications</b>	04
<b>Area</b>	4000 sqm
<b>Critical inputs</b>	Seed(Var. GNG-1581),Neem based insecticides, Trichodermaviridi powder carbendazim, Emamectin benzoate or Methomyl
<b>Production system</b>	Rice-wheat, Rice-chickpea
<b>Source of technology</b>	NCIPM, New Delhi
<b>Total Cost</b>	Rs. 5000/- (Approx.)
<b>Observation to be recorded</b>	No. of affected plant/m <sup>2</sup> , No. of damaged pod/plant, Average yield (q/ha)
<b>Reaction of the farmers</b>	Acceptability/ compatibility of technology

#### OFT-2

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Assessment of false smut management in paddy
<b>Problem diagnosed</b>	False smut has recently become an important disease in paddy and substantially yield loss
<b>Micro farming situation</b>	Sandy loam, low water-holding capacity, imbalance use of fertilizer, mini-deep tube well, low productivity
<b>Details of technology identified for solution</b>	T1-Farmers practice (No control measure adopted/improper use of fungicides) T2-Integrated approach: (i) Keep the field clean/free from weeds especially barnyard grass <i>(Echinochloa crusgalli)</i> and <i>Digitaria marginata</i> (ii) Remove infected panicle carefully (iii) Spraying of tebuconazole 25.9%EC @ 0.1% during panicle initiation (booting stage)
<b>No. of farmers</b>	04
<b>Replications</b>	04
<b>Area</b>	1000 sqm
<b>Critical inputs</b>	Fungicide, Herbicide
<b>Production system</b>	Rice-wheat, Rice-chickpea, Jwar-chickpea, Bajra-chickpea, Bajra-wheat
<b>Source of technology</b>	IARI and PAU
<b>Total Cost</b>	Rs. 4000- (Approx.)
<b>Observation to be</b>	No. of infected panicle/hill, No. of infected panicle/m <sup>2</sup> ,

<b>recorded</b>	Average yield (q/ha)
<b>Reaction of the farmers</b>	Acceptability/ compatibility of technology

### OFT-3

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Assessment of newly released chick pea varieties HK-4 and WCG-3 under irrigated condition
<b>Problem diagnosed</b>	Use of old varieties with improper technique
<b>Micro farming situation</b>	Irrigated, sandy soil
<b>Details of technology identified for solution</b>	T1-Farmers practice (Pusa-362) T2-HK-4 (HAU-2012) T3-WCG-3 (SVBPUA&T Meerut-2008)
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Area</b>	10000 sqm
<b>Critical inputs</b>	Seed, fertilizer
<b>Production system</b>	Rice-Wheat
<b>Source of technology</b>	HAU, Hissar (Haryana) and SVBPUA&T, Meerut(UP)
<b>Total Cost</b>	Rs. 20000/- (Approx)
<b>Observation to be recorded</b>	Plant height (cm), No of pods/plant, grain yield (q/ha.)
<b>Reaction of the farmers</b>	Acceptability of technology to farmers

### OFT-4

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Assessment of micronutrients application with balanced dose of fertilizer in cabbage
<b>Problem diagnosed</b>	Low yield in cabbage due to no use of micronutrients
<b>Micro farming situation</b>	Sandy loam, low water-holding capacity, imbalance use of fertilizer, tube well, low productivity
<b>Details of technology identified for solution</b>	T1:- Farmers practice T2:- 2 kg Ammonium molybdate and 12 kg Borox per hectare as basal application
<b>No. of farmers</b>	05

<b>Replications</b>	05
<b>Area</b>	5000 sqm
<b>Critical inputs</b>	Fertilizers
<b>Production system</b>	Cucurbits- Cabbage
<b>Source of technology</b>	ICAR-IIVR, Varanasi
<b>Total Cost</b>	Rs. 4000.00 (Approx)
<b>Observation to be recorded</b>	Yield (q/ha), No of affected plants per sqm due to deficiency of molybdenum & boron, Percentage of affected plants, Percentage increase in yield
<b>Reaction of the farmers</b>	Acceptability of technology to farmers

#### OFT-5

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Evaluation of intercropping in banana crop.
<b>Problem diagnosed</b>	Low productivity and profitability in banana due to no intercropping
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T <sub>1</sub> -Banana Cultivation (FP) T <sub>2</sub> -Banana Cultivation (Intercropping: Brinjal-Chilli-Cabbage-Cauliflower) (Improved Variety of IIVR, Varanasi)
<b>No. of farmers</b>	03
<b>Replications</b>	03
<b>Critical inputs</b>	Planting Material (Var. G-9)
<b>Production system</b>	Integrated crop management
<b>Source of technology</b>	ICAR-IIHR, Bengaluru
<b>Total Cost</b>	Rs. 16,500.00
<b>Observation to be recorded</b>	Technical : Yield Economical : C:B Ratio
<b>Reaction of the farmers</b>	Technology acceptability

#### OFT-6

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Assessment of boron with balanced dose of fertilizer in chick pea
<b>Problem diagnosed</b>	Low yield of chickpea due to no use of boron in chickpea
<b>Micro farming situation</b>	Sandy loam, low water-holding capacity, imbalance use of fertilizer, low productivity, rain fed
<b>Details of technology</b>	T1-Farmers practice (No use of Boron in chick pea with imbalanced dose of chemical fertilizer)

<b>identified for solution</b>	T2- Seed var. GNG-1581+Boron+Use of balanced dose of fertilizer (20:40:30:30:10::N:P:K:S:B Kg/ha)(farmers' share)
<b>No. of farmers</b>	03
<b>Replications</b>	03
<b>Area</b>	6000 sqm
<b>Critical inputs</b>	Seed, Boron
<b>Production system</b>	Rice-chickpea
<b>Source of technology</b>	AICRP on micronutrients
<b>Total Cost</b>	Rs. 6000- (Approx.)
<b>Observation to be recorded</b>	No. of pods/plant, plant height, no of seeds/pod, yield(q/ha)
<b>Reaction of the farmers</b>	Acceptability of technology among farmers Compatibility in the existing cropping system

#### OFT-7

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Evaluation of Azolla feed supplement on milk yield and infertility among dairy cattle
<b>Problem diagnosed</b>	Poor milk yield, infertility, low income
<b>Existing farming situation and Income</b>	Crop + Livestock + Fisheries (approximate income 1.08 lakh/year)
<b>Improved Farming System</b>	Crop + Livestock along with azolla farming (round the year) +fisheries
<b>Details of technology identified for solution</b>	T-1: Concentrate feed as per animal requirement (Control group) T-2: Azolla Pinnata (Mother Culture @ 1kg/pit) , Polythene sheet of 2x2 metre (Details of dose rate @ 2-3 kg/animal/day)
<b>No. of Animals</b>	10
<b>Replications</b>	5
<b>Critical inputs</b>	Azolla seed(Var. Azolla Pinnata), polythene sheet (2x2 metre)
<b>Production system</b>	Health Management
<b>Source of technology</b>	NDRI, Karnal
<b>Total Cost</b>	Rs. 9000.00/-
<b>Observation to be recorded</b>	Effect on milk yield, conception rate, body condition score(BCS), Income Increase
<b>Reaction of the farmers</b>	-

#### OFT-8

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Assessment of chelated minerals and vitamins bolus

	along with busserlin acetate hormone to control infertility of dairy animals
<b>Problem diagnosed</b>	High incidence of infertility in cows/buffalo
<b>Existing farming System and Income</b>	Crop (Wheat and Rice) + Livestock (Cattle and buffalo), Net Income 1.20 lakh
<b>Improved Farming System</b>	Crop (Wheat and Rice) + Livestock (Cattle and buffalo) along with chelated minerals and vitamins bolus along with busserlin acetate hormone to cope up the adverse condition of farmers
<b>Details of technology identified for solution</b>	T1: Farmers Practice: Use of AI only T2:- Use of chelated minerals and vitamins bolus along with busserlin acetate injection as per need (Dose Mineral Mixture 50 gm/animal/day)
<b>No. of Animals</b>	10
<b>Replications</b>	10
<b>Critical inputs</b>	chelated minerals and vitamins bolus (21 bolus/animal), busserlin acetate injection 2 vial of 5ml
<b>Duration</b>	120 days
<b>Source of technology</b>	IVRI, Bareilly
<b>Total Cost</b>	Rs. 15000.00
<b>Observation to be recorded</b>	i. Conception rate ii. Body Score iii. <b>Income Increase</b>
<b>Reaction of the farmers</b>	-

#### OFT-9

Particulars	Contents
<b>Title</b>	Assessment of effective supplementation of fortified wheat flour for improvement of nutritional status of farmwomen
<b>Problem diagnosed</b>	Low nutritional status and malnutrition of farmwomen
<b>Possible Solution</b>	Wheat flour fortification with gram and bajra
<b>Farming situation</b>	-
<b>Details of technology identified for solution</b>	T1-Farmer practice: No fortification of wheat flour T2-Fortification of wheat flour (75%) with gram(15%) and bajra(10%)
<b>No. of farm families</b>	03
<b>Replications</b>	15
<b>Area</b>	-
<b>Critical inputs</b>	Bajra, Gram
<b>Production system and thematic area</b>	Flour fortification
<b>Source of technology</b>	CSAUAT, Kanpur
<b>Total Cost</b>	Rs. 5000/- (Approx)
<b>Observation to be</b>	Technical: Energy Adequacy(Weight, BMI) Social: Acceptability of farmers



<b>recorded</b>	Health: Perceived rate of exertion (Brog's 10 point scale)
<b>Reaction of the farmers</b>	Acceptability of technology among farmers Compatibility in the existing system

### 3.2 Frontline Demonstrations

#### A. Details of FLDs to be organized (Based on soil test analysis)

SN	Crop/variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/demos	Parameters identified Yield/Profit/Other technological parameters	Budget required (Rs)
1.	<b>Paddy</b>	Nutrient management in paddy (SS)	ZnSO <sub>4</sub> , 25kg/ha	Zinc Sulphate, Seed (Var. CO-51)	Kharif-2022	5.00	20	Grain yield, cost of cultivation, gross return, net return, B:C ratio- % increase in yield	7000
2.	<b>Potato</b>	Varietal evaluation (Hort)	HYV quality potato seed Kufri Khyati/Anand	Seed (Tuber) Kufri Khyati/Anand	Rabi-2022	1.00	10	Potato yield, Cost of cultivation gross return, net return, B:C ratio, %increase in yield, %disease reduction	8000 0
3.	<b>Onion</b>	Varietal evaluation (Hort)	HYV quality onion seed Agrifound dark red/nassik red	Seed Agrifound dark red/nassik red	Rabi-2022	1.00	10	Onion yield, Cost of cultivation gross return, net return, B:C ratio, %increase in yield, %disease reduction	4500 0
4.	<b>Wheat</b>	Varietal evaluation (Agr)	HYV timely sowing DBW-187, Karan Vandana	Seed	Rabi-2022	5.00	10	Grain yield, Cost of cultivation gross return, net return, B:C ratio, %increase in yield	2000 0
5.	<b>Chick pea</b>	Varietal evaluation and disease management (PP)	HYV GNG-1581+ use of Trichoderma @10 gm/kg of seed as a seed treatment, spray of	Seed, Trichoderma, carbendazim+mancozeb, carbendazim	Rabi-2022	2.50	10	Grain yield, Cost of cultivation, gross return, net return, B:C ratio, %increase in yield, % infected plants/m <sup>2</sup> , %infected pods/plants	2500 0

			carbendazim 50%WP 20 DAS @0.25%+sp ray of carbendazim 12 %+ mancozeb 63% @0.2%40D AS						
6.	<b>Pigeon Pea</b>	Varietal evaluation (AGR)	HYV NA- 2+ Use of trichoderma @10 gm/kg of seed as a seed treatment,	Seed, Trichoderma	Kharrif-2022	10.0 0	25	Grain yield, Cost of cultivation gross return, net return, B:C ratio, %increase in yield	2000 0
7.	<b>Mustard</b>	Nutrient manageme nt of oilseed (SS)	HYV PUSA- Tarak + SSP 250 kg/ha	Seed, SSP	Rabi-2022	10.0 0	25	Grain yield, Cost of cultivation gross return, net return, B:C ratio, %increase in yield	5000 0
8.	<b>Kitchen Gardening</b>	Nutritional Food Security	Layout plan, kitchen gardening calendar (150sqm to each farmer)	Seed and planting material of vegetable	Kharrif-2022, Rabi-2022, Zaid-2022	0.30	20	Availability of fresh vegetables throughout the year Production/yield in kg  Increase in yield  Acceptability in %	1200 0
9.	<b>Berseem</b>	Varietal evaluation (Vet)	Berseem	Seed, Rhizobiu m culture	Rabi-2022	2.00	20	Yield (green fodder yield) q/ha, net return & B:C ratio	5000
<b>Total</b>						<b>36.65</b>	<b>140</b>		<b>264000</b>

### Sponsored Demonstration

Crop	Area(ha)	No. of farmers

### B. Extension and Training activities under FLD

SN	Activity	No. of activities	Month	Number of participants
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SN	Activity	No. of activities	Month	Number of participants
1	Field days	07	Feb, Mar, Oct	220
2	Farmers Training	07	Jul, Oct	340
3	Media coverage	30	April-March	-
4	Training for extension functionaries	04	April-March	80

### C. Details of FLD on Enterprises

#### (i) Farm Implements:

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators	*Data on parameter in relation to technology demonstrated	
							Demon.	Local check

#### (ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Critical input	Performance parameters / Indicators	Budget required (Rs)
Feed management in Cow	Cow	20	20	Mineral mixture & Dewormer	Milk yield lit/day/animal Oestrus cycle	20000

### 3.3 Training (Including the sponsored and FLD training programmes):

#### A) ON Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1	18	0	18	2	0	2	20
Water management	2	36	0	36	4	0	4	40
Integrated Crop Management	2	36	0	36	4	0	4	40
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	1	18	0	18	2	0	2	20
Exotic vegetables like Broccoli	2	36	0	36	4	0	4	40
Export potential vegetables								
Grading and standardization	1	18	0	18	2	0	2	20
<b>b) Fruits</b>								

Training and Pruning	1	18	0	18	2	0	2	20
Layout and Management of Orchards								
<b>c) Ornamental Plants</b>								
<b>d) Plantation crops</b>								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	18	0	18	2	0	2	20
Integrated Nutrient Management	2	36	0	36	4	0	4	40
Soil and Water Testing	1	18	0	18	2	0	2	20
<b>IV Livestock Production and Management</b>								
Poultry Management	1	18	0	18	2	0	2	20
Feed management	2	36	0	36	4	0	4	40
<b>V Home Science/Women empowerment</b>								
Design and development of low/minimum cost diet	1	0	10	10	0	5	5	15
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	0	10	10	0	5	5	15
Location specific drudgery reduction technologies	1	0	10	10	0	5	5	15
Women and child care	1	0	10	10	0	5	5	15
<b>VI Agril. Engineering</b>								
<b>VII Plant Protection</b>								
Integrated Pest Management	1	18	0	18	2	0	2	20
Integrated Disease Management	1	18	0	18	2	0	2	20
<b>VIII Fisheries</b>								
<b>IX Production of Inputs at site</b>								
<b>X Capacity Building and Group Dynamics</b>								
<b>XI Agro-forestry</b>								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>23</b>	<b>342</b>	<b>40</b>	<b>382</b>	<b>38</b>	<b>20</b>	<b>58</b>	<b>440</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	1	15	0	15	0	0	0	15
Bee-keeping	1	25	0	25	0	0	0	25
Seed production	3	45	0	45	0	0	0	45
Production of organic inputs	1	20	0	20	0	0	0	20
Vermi-culture	2	35	0	35	0	0	0	35
Training and pruning of orchards	1	10	0	10	0	0	0	10
Sheep and goat rearing	1	15	0	15	0	0	0	15
Poultry production	3	60	0	60	0	0	0	60
Fish harvest and processing technology	1	15	0	15	0	0	0	15
Post Harvest Technology	1	0	10	10	0	0	0	10
Rural Crafts	1	0	10	10	0	0	0	10
<b>TOTAL</b>	<b>17</b>	<b>315</b>	<b>20</b>	<b>335</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>335</b>
<b>(C) Extension Personnel</b>								
Integrated Disease Management	1	15	0	15	0	0	0	15
Integrated Pest Management	1	15	0	15	0	0	0	15
Integrated Nutrient management	1	20	0	20	0	0	0	20

Integrated Crop Management	3	45	0	45	0	0	0	45
Cultivation of fruit	1	15	0	15	0	0	0	15
Rejuvenation of old orchards	1	20	0	20	0	0	0	20
Off-Season Vegetable Production	1	15	0	15	0	0	0	15
Capacity building for ICT application	2	10	10	20	0	0	0	20
Women and Child care	2	0	40	40	0	0	0	40
Feed Management	1	15	0	15	0	0	0	15
Disease Management	1	15	0	15	0	0	0	15
Bio-control of pest and diseases	2	30	0	30	0	0	0	30
Soil and Water Testing	1	20	0	20	0	0	0	20
Management of problematic soil	1	20	0	20	0	0	0	20
Micronutrient Deficiency in Crop	1	20	0	20	0	0	0	20
<b>TOTAL</b>	<b>20</b>	<b>275</b>	<b>50</b>	<b>325</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>325</b>
<b>G. Total</b>	<b>60</b>	<b>932</b>	<b>110</b>	<b>1042</b>	<b>38</b>	<b>20</b>	<b>58</b>	<b>1100</b>

## B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	3	45	6	51	6	3	9	60
Water management	1	15	2	17	2	1	3	20
Integrated Crop Management	3	45	6	51	6	3	9	60
Fodder production								
Production of organic inputs	1	15	2	17	2	1	3	20
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	5	75	4	79	4	2	6	85
Off-season vegetables	2	30	4	34	4	2	6	40
Nursery raising	2	35	2	37	2	1	3	40
Exotic vegetables like Broccoli	1	20	0	20	0	0	0	20
Management of young plants/orchards	3	55	2	57	2	1	3	60
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								

Production and Management technology								
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	16	1	17	2	1	3	20
Soil and Water Conservation								
Integrated Nutrient Management	5	80	5	85	10	5	15	100
Production and use of organic inputs	1	16	1	17	2	1	3	20
Micro nutrient deficiency in crops	1	16	1	17	2	1	3	20
Nutrient Use Efficiency	2	32	2	34	4	2	6	40
Soil and Water Testing	2	32	2	34	4	2	6	40
<b>IV Livestock Production and Management</b>								
Dairy Management	2	40	0	40	0	0	0	40
Poultry Management								
Piggery Management	1	18	0	18	2	0	2	20
Rabbit Management /goat								
Disease Management	6	105	6	111	6	3	9	120
Feed management	1	16	0	16	4	0	4	20
Production of quality animal products	1	15	2	17	2	1	3	20
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	0	15	15	0	5	5	20
Designing and development for high nutrient efficiency diet	2	0	30	30	0	10	10	40
Minimization of nutrient loss in processing	1	0	15	15	0	5	5	20
Gender mainstreaming through SHGs	1	0	15	15	0	5	5	20
Storage loss minimization techniques	1	0	15	15	0	5	5	20
Value addition	2	0	30	30	0	10	10	40

Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies	1	0	15	15	0	5	5	20
<b>VI Agril. Engineering</b>								
<b>VII Plant Protection</b>								
Integrated Pest Management	3	45	6	51	6	3	9	60
Integrated Disease Management	5	75	10	85	10	5	15	100
Production of bio control agents and bio pesticides	1	15	2	17	2	1	3	20
<b>VIII Fisheries</b>								
Integrated fish farming	2	38	0	38	2	0	2	40
<b>IX Production of Inputs at site</b>								
<b>X Capacity Building and Group Dynamics</b>								
<b>XI Agro-forestry</b>								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>64</b>	<b>894</b>	<b>201</b>	<b>1095</b>	<b>86</b>	<b>84</b>	<b>170</b>	<b>1265</b>

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	4	63	6	69	8	3	11	80
Water management	66	4	70	8	2	10	80	66
Integrated Crop Management	81	6	87	10	3	13	100	81
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	6	103	6	109	8	3	11	120
Off-season vegetables	2	30	4	34	4	2	6	40
Nursery raising	2	35	2	37	2	1	3	35
Exotic vegetables like Broccoli	3	56	0	56	4	0	4	60
Grading and standardization	1	18	0	18	2	0	2	20
<b>b) Fruits</b>								
Training and Pruning	1	18	0	18	2	0	2	20
Management of young plants/orchards	3	55	2	57	2	1	3	60
<b>c) Ornamental Plants</b>								
<b>d) Plantation crops</b>								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	2	34	1	35	4	1	5	40
Integrated Nutrient Management	7	116	5	121	14	5	19	140
Production and use of organic inputs	1	16	1	17	2	1	3	20

Micro nutrient deficiency in crops	1	16	1	17	2	1	3	20
Nutrient Use Efficiency	2	32	2	34	4	2	6	40
Soil and Water Testing	3	50	2	52	6	2	8	60
<b>IV Livestock Production and Management</b>								
Dairy Management	2	30	4	34	4	2	6	40
Poultry Management	1	18	0	18	2	0	2	20
Piggery Management	1	18	0	18	2	0	2	20
Disease Management	6	90	12	102	12	6	18	120
Feed management	3	51	2	53	6	1	7	60
Production of quality animal products	1	15	2	17	2	1	3	20
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	0	15	15	0	5	5	20
Design and development of low/minimum cost diet	1	0	10	10	0	5	5	15
Designing and development for high nutrient efficiency diet	2	0	30	30	0	10	10	40
Minimization of nutrient loss in processing	1	0	15	15	0	5	5	20
Gender mainstreaming through SHGs	1	0	15	15	0	5	5	20
Storage loss minimization techniques	2	0	25	25	0	10	10	35
Value addition	2	0	30	30	0	10	10	40
Location specific drudgery reduction technologies	2	0	25	25	0	10	10	35
Women and child care	1	0	10	10	0	5	5	15
<b>VI Agril. Engineering</b>								
<b>VII Plant Protection</b>								
Integrated Pest Management	4	60	8	68	8	4	12	80
Integrated Disease Management	6	90	12	102	12	6	18	120
Production of bio control agents and bio pesticides	1	15	2	17	2	1	3	20
<b>VIII Fisheries</b>								
Integrated fish farming	2	33	2	35	4	1	5	40
<b>IX Production of Inputs at site</b>								
<b>XI Agro-forestry</b>								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	87	1230	245	1475	124	106	230	1705
<b>(B) RURAL YOUTH</b>								
Mushroom Production	1	15	0	15	0	0	0	15
Bee-keeping	1	25	0	25	0	0	0	25
Seed production	3	45	0	45	0	0	0	45
Production of organic inputs	1	20	0	20	0	0	0	20
Vermi-culture	2	35	0	35	0	0	0	35
Training and pruning of orchards	1	10	0	10	0	0	0	10
Sheep and goat rearing	1	15	0	15	0	0	0	15
Poultry production	3	60	0	60	0	0	0	60
Small scale processing	1	15	0	15	0	0	0	15
Rural Crafts	1	0	10	10	0	0	0	10



<b>TOTAL</b>	<b>17</b>	<b>315</b>	<b>20</b>	<b>335</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>335</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	1	15	0	15	0	0	0	15
Integrated Disease Management	1	15	0	15	0	0	0	15
Integrated Pest Management	1	20	0	20	0	0	0	20
Integrated Nutrient management	3	45	0	45	0	0	0	45
Integrated Crop Management	1	15	0	15	0	0	0	15
Cultivation of fruit	1	15	0	15	0	0	0	15
Rejuvenation of old orchards	1	15	0	15	0	0	0	15
Information networking among farmers	2	10	10	20	0	0	0	20
Household food security	2	0	40	40	0	0	0	40
Gender mainstreaming through SHGs	1	15	0	15	1	0	1	16
Feed Management	1	15	0	15	0	0	0	15
Disease Management	2	30	0	30	0	0	0	30
Bio-control of pest and diseases	1	20	0	20	0	0	0	20
Soil and Water Testing	1	20	0	20	0	0	0	20
Management of problematic soil	1	20	0	20	0	0	0	20
<b>TOTAL</b>	<b>20</b>	<b>275</b>	<b>50</b>	<b>325</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>325</b>
<b>G. Total</b>	<b>124</b>	<b>1826</b>	<b>311</b>	<b>213</b>	<b>7</b>	<b>124</b>	<b>104</b>	<b>228</b>
								<b>2365</b>

Details of training programmes attached in **Annexure -I**

### 3.4. (A) Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	3	145	25	170	15	-	15	160	25	185
Kisan Ghosthi	10	290	35	325	25	-	25	315	35	350
Kisan Mela	1	850	100	950	50	-	50	900	100	1000
Film Show	8	140	20	160	5	-	5	145	20	165
Method Demonstrations	6	120	10	130	-	-	-	120	10	130
Group meetings	2	45	-	45	5	-	5	50	-	50
Newspaper coverage	80	<b>Mass</b>								
Radio talks	100									
TV talks	5									
Popular articles	20									
Advisory Services	300	200	50	250	50	-	50	250	50	300
Scientific visit to farmers field	100	290	60	350	-	-	-	290	60	350
Farmers visit to KVK	600	525	75	600	-	-	-	525	75	600
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-
Animal health /vaccination camp	1	50	10	60	-	-	-	50	10	60
Exhibition	1	1700	200	1900	100	-	100	1800	200	2000
Lecture to be delivered as resource person	50	5000	-	5000	-	-	-	5000	-	5000
Extension literature	10									
Diagnostic visit	200	300	20	320	-	-	-	300	20	320
Soil health camp	3	120	30	150	-	-	-	120	30	150
Soil test campaign	2	60	-	60	20	-	20	80	-	80
Celebration of important days	2	40	-	40	10	-	10	50	-	50
Farmers-Scientists interaction	2	70	-	70	-	-	-	70	-	70
SMS Advisory services	200	1000	100	1100	100	-	100	1100	100	1200

PFBY-Cum-Training Workshop	2	160	20	180	20	-	20	180	20	200
Mahila Kisan Diwas	1	0	50	50	0	10	10	0	60	60
<b>Total</b>	<b>1709</b>	<b>11105</b>	<b>805</b>	<b>11910</b>	<b>400</b>	<b>10</b>	<b>410</b>	<b>11505</b>	<b>815</b>	<b>12320</b>

### 3.4 (B) Advisories and Awareness Programmes under DAMU Project:

SN	Activities/Programme	No of Activities/Programmes	No of Participants
1.	Customized Agro-Advisories through SMS and Social Media (to be sent every Tuesday and Friday)	52	62400
2.	Farmers Awareness Programmes	60	1200
3.	Farmers Awareness Programmes for popularizing mobile apps developed by IMD, Govt of India	24	480
Total		136	64080

### 3.5 Target for Production and supply of Technological products (Jan'23to Dec'23)

#### Seed Materials

S N	Crop	Variety	Qty targeted(q)	Season
<b>A</b>	<b>CEREALS</b>			
	Rice	NDR-2065, CO-51, Sambha Sub-1 NDRK-50002, Rajendra Sweta	95.00	Khari f-2023
	Wheat	HI-1563/WR-544 HD-2967/NW-5054/HD-3086	100.00	Rabi-2023
<b>B</b>	<b>OILSEEDS</b>			
	Mustard	Pusa Vijay (NPJ-93/Pusa Tarak)	8.00	Rabi-2023
<b>C</b>	<b>PULSES</b>			
	Chick Pea	RSG-963/WCG-3/JAKI-9218/GNG-1581/GNG-202	5.00	Rabi-2023
	Lentil	PL-7,8/Shekhar Masoor-2,3/KL-320	5.00	Rabi-2023
	Urd	Shekhar-2/Azad Urd-1,2 Narendra Urd-1, Pant Urd-31, 40	5.00	Zaid-2023
	Moong	HUM-6, 16/Meha, TMV-37	2.00	Zaid-2023
	Pigeon Pea	NA-2/Malviya-13	15.00	Khari f-2023
<b>D</b>	<b>VEGETABLES</b>			

.				
	Vegetable Seed	Bhindi Var. Pusa-5, Sarputiya Var. Pusa Sneha, Kashi Divya, Pusa Shukriya Palak: Pusa Harit, Allgreen, Pusa Jyoti	2.00	Rabi-2023
	Vegetable Pea	Kashi Nandini	5.00	Rabi-2023
<b>E.</b>	<b>Green Manuring</b>			
	Dhaincha	Variety CSD 137	5.00	Rabi-2023
Total			247.00	

### Planting materials:

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>FRUITS</b>	Papaya	Honey Dew, Pusa Dwarf, PK-10	2000
	Aonla	Narendra-9 and 10	1000
	Mango	Dushhari	100
<b>SPICES</b>			
<b>VEGETABLES</b>	Tomato (summer+winter)	Kashi Amrit, Kashi Vishesh, Kashi Aman	10000
	Brinjal (Summer+Winter)	Kashi Sandesh	
	Chilli	Kashi Anmol	
	Cole crops (Cauliflower+Cabbage)	Hybrids	3000
<b>FOREST SPECIES</b>			
<b>ORNAMENTAL CROPS</b>	Marigold	-	5000
	Winter season annuals		
Total (Nos)			21100

### Bio-products

SN	Product Name	Species	Quantity(Nos)	
			No	(kg)
BIO-PESTICIDES				

### LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			Nos	Kg
Cattle	Crossbreed	HF	1	-
				-
GOAT	Meat type	Barbari	85	1700

POULTRY	Broiler	Croiler	3900	6000
FISHERIES		Rohu, Silver gross, Bhakur	12000	1000
Others (Specify)				
			15986	8700

### 3.6. Literature to be Developed/Published

(A) KVK News Letter 04  
Date of Start :  
Number of copies to be published :50

(B) Literature to be developed/published

Item	Number of copies
Research papers	08
Technical reports	06
Technical bulletins	02
Popular articles	20
Extension literature	12
<b>TOTAL</b>	<b>48</b>

(C)Details of Electronic Media to be produced

SN	Type of media(CD/VCD/DVD/Audio-cassette)	Title of the programme	Number
1	Video	-	-

3.7. Success stories/Case studies to be identified for development as a case(Nos):03

3.8. Indicate the specific training need analysis tools/methodology followed for

- **Practicing Farmers**
  - **Rural Youth**
  - **In-Service Personnel**
- } Group meeting, scientist farmers' interface, discussion with farmers, and request from governmental line department

3.9. Indicate the methodology for identifying OFTs/FLDs

**For OFT :**

- i) Field level observations
- ii) Farmer group discussions

**For FLD :**

- i) New variety/technology
- ii) Poor yield at farmers level

### 3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year) - 34 villages Block:-Sadar(7-village), Devkali(8-village), Birano(1-village), Jakhania(3-village), Saidpur(7-village), Manihari, Sadat, Mardah
- ii. No. of farm families selected per village :100
- iii. No. of survey/PRA conducted :05
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological–horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies
- viii. Two villages of Sadar block Augusta Salamatpur and Budhanpurselected for DFI work

### 3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 2005

2. List of equipment purchased with amount

SN	Name of the Equipment	Qty	Cost(Rs)
1	Flame Photometer	01	30900.00
2	Digital pH meter	01	6200.00
3	Digital pH conductivity meter	01	8735.00
4.	Physical balance	02	2600.00
5.	Oven	01	12500.00
6.	Spectrophotometer attached with computer	01	163000.00
7.	Dispenser	01	22516.00
8.	Electronic Balance	01	88600.00
9.	Blender with lift off container	01	3170.00
10.	Double Distillation with auto cut	01	79500.00
11.	Hot Plate	01	4655.00
12.	Kjeldhal distillation	02	38000.00
13.	Shaking Machine	02	36400.00
14.	Water Deionizer	01	33500.00
15.	Fume Hood	01	68540.00
16.	Incubator	01	17784.00
17.	Ultra violet Tube	01	1540.00
18.	Soil Testing Kit	01	19800.00
19.	Refrigerator	01	19900.00
20.	Gas Cylinder (LPG)	02	1300.00
21.	Regulator (LPG)	01	100.00
22.	Gas Pipe	01	50.00
<b>Total</b>		<b>26</b>	<b>659290.00</b>

### 3.12 Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	600	600	20	-
Water				-
Plant	250	250	70	-
<b>Total</b>	<b>850</b>	<b>850</b>	<b>90</b>	

## 4.0 LINKAGES

### 4.1 Functional linkage with different organizations

SN	Name of Organization	Nature of Linkage
1.	Soil testing department	Trainers for training, assistance in soil testing lab of KVK, assistance in organizing Kisan Mela
2.	Kshetriya Gramya Vikas Sansthan (RTI)	Training
3.	District Agriculture Department	Training, diagnostic survey, conducting in-service training programme, Food Security Mission
4.	District Horticulture Department	Training, Diagnostic survey, National Horticulture Mission
5.	IIVR Varanasi	Resource person for training, Diagnostic survey, cooperative vegetable seed linkage
6.	IFFCO Foundation	Training & demonstration
7.	KRIBHCO	Technical Support
8.	Deptt of Animal Husbandry	Vaccination, deworming and trainings
9.	NABARD	Participation in meeting and training
10.	Nehru Yuva Kendra	Training
11.	Extension Directorate, NDU&T, FAIZABAD	Latest released varieties & guidance
12.	Kashi-Gomati Sanjut Gramin Bank, Ghazipur	Training
13.	PPL, Varanasi	Training
14.	TATA Chemicals limited, Bombay	Training
15.	Dhanuka, New Delhi	Kisan Mela
16.	Lead bank of the Ghazipur UBI	Training & Advisory services
17.	Indian Bank, P.G.College, Ghazipur.	Kisan Mela.
18.	CIMAP, Lucknow	Advisory Services
19.	ATMA, Ghazipur	Training, Member Governing Board, Advisory Services
20.	DASP, Ghazipur	Training, Advisory Services
21.	DSR, Mau	Training, Seed Linkage
22.	Mahindra Samridhi	Training, Soil Testing
23.	Bhumi Sudhar Nigam	Training
24.	Integrated Child Development Service	Training
25.	MANAGE Hyderabad	Training

#### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district (Yes/No):Yes

Sl. No.	Programme	Nature of linkage	Remarks
1.	Training programme	Scientists as resource person	-
2.	AES (Agro-Ecological situation)	Scientists of KVK visits trials conducted by ATMA	-
3.	Front Line Demonstration (FLD)	KVK's scientists visits demonstrations for supervision	-

#### 4.3 Give details of programme under National Horticulture Mission

SN	Programme	Nature of linkage

#### 4.4 Nature of linkage with National Fisheries Development Board

SN	Programme	Nature of linkage

#### 5.0 Utilization of Hostel facilities

SN	Programmes	No of days
1	-	-
2	-	-
4	-	-
<b>Total</b>		

**6.0 Convergence with departments:**Krishi Vigyan Kendra Ghazipur is working in collaboration with ATMA towards agricultural development of district Ghazipur. KVK Ghazipur is also working with line departments in training, demonstration, planning etc.

#### 7.0 Feedback of the farmers about the technologies demonstrated and assessed :

#### 8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:



## Training Programme

## i) Farmers &amp; Farm women (On Campus)

Tentative Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
Feb-23	PF	Irrigation management in moong	1	18	0	18	2	0	2	20
Mar-23	PF	Natural Farming	1	18	0	18	2	0	2	20
May-23	PF	Method of sowing(Raised bed technique) of pigeon pea	1	18	0	18	2	0	2	20
Sep-23	PF	Method of sowing of chickpea	1	18	0	18	2	0	2	20
Nov-23	PF	Irrigation management of wheat	1	18	0	18	2	0	2	20
<b>Horticulture</b>										
Feb-23	PF	Production and management of bottle gourd	1	18	0	18	2	0	2	20
May-23	PF	Early cauliflower production technology	1	18	0	18	2	0	2	20
Jun-23	PF	FPO and Innovative Farmers Trainings	1	18	0	18	2	0	2	20
Sep-23	PF	Cauliflower production technology	1	18	0	18	2	0	2	20
Oct-23	PF	Training and pruning in aonla and mango		18	0	18	2	0	2	20
<b>Livestock Production</b>										
May-23	PF	Use of calf starter among dairy calf	1	18	0	18	2	0	2	20
Aug-23	PF	Effect of UMMB block among goat feeding	1	18	0	18	2	0	2	20
Oct-23	PF	Importance of green fodder	1	18	0	18	2	0	2	20
<b>Home Science</b>										
May-23	PF	Storage loss minimization techniques of food grains	1	0	10	10	0	5	5	15
Jul-23	PF	Drudgery reduction tools and technologies: its implementation	1	0	10	10	0	5	5	15
Oct-23	PF	Value addition of milk	1	0	10	10	0	5	5	15
Feb-23	PF	Management of malnutrition through locally available grain	1	0	10	10	0	5	5	15

<b>Plant Protection</b>										
Jun-23	<b>PF</b>	IDM module in paddy	1	15	2	17	2	1	3	20
Oct-23	<b>PF</b>	Pod borer management in gram	1	15	2	17	2	1	3	20
<b>Soil Health</b>										
Jan-23	<b>PF</b>	Soil fertility management and health management	1	18	0	18	2	0	2	20
May-23	<b>PF</b>	Importance of soil testing based fertilizer application	1	18	0	18	2	0	2	20
Jul-23	<b>PF</b>	INM in Paddy	1	18	0	18	2	0	2	20
Oct-23	<b>PF</b>	INM in Potato	1	18	0	18	2	0	2	20

**i) Farmers & Farm women (Off Campus)**

Tentative Date	Clientel e	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
Jan-23	<b>PF</b>	Weed management in summer moong	1	15	2	17	2	1	3	20
Feb-23	<b>PF</b>	Integrated Farming System	1	15	2	17	2	1	3	20
Apr-23	<b>PF</b>	Cultivation of Dhaincha	1	15	2	17	2	1	3	20
Jun-23	<b>PF</b>	Method of paddy transplanting	1	15	2	17	2	1	3	20
Jul-23	<b>PF</b>	Weed management in paddy	1	15	2	17	2	1	3	20
Sep-23	<b>PF</b>	Weed management in chick pea	1	15	2	17	2	1	3	20
Oct-23	<b>PF</b>	Method of sowing of chickpea	1	15	2	17	2	1	3	20
Oct-23	<b>PF</b>	Natural Farming	1	15	2	17	2	1	3	20
Oct-23	<b>PF</b>	Importance of Irrigation in chick pea	1	15	2	17	2	1	3	20
<b>Horticulture</b>										
Jan-23	<b>PF</b>	Production technology of early cauliflower	1	20	0	20	0	0	0	20
Mar-23	<b>PF</b>	Solarization of soil for nursery production	1	20	0	20	0	0	0	20
Apr-23	<b>PF</b>	Production and Management of brinjal crop	1	20	0	20	2	0	0	20
May-23	<b>PF</b>	Management of fruit drop in mango	1	20	0	20	3	0	0	20
May-23	<b>PF</b>	Planting technique of mango and guava orchard	1	20	0	20	2	0	0	20

Jun-23	<b>PF</b>	Fertilizer application and orchard management by organic fertilizer/manure	1	15	2	17	0	0	3	20
Jun-23	<b>PF</b>	Production of bottle gourds in Kharif season	1	15	2	17	0	0	3	20
Jul-23	<b>PF</b>	Cultivation technique of cauliflower	1	15	2	17	0	0	3	20
Sep-23	<b>PF</b>	Cultivation of okra	1	15	2	17	2	1	3	20
Sep-23	<b>PF</b>	Nursery raising of Rabi vegetables	1	15	2	17	2	1	3	20
Oct-23	<b>PF</b>	Off-season production of cucurbit vegetables	1	15	2	17	2	1	3	20
Nov-23	<b>PF</b>	Production technology of Suran	1	15	2	17	2	1	3	20
Dec-23	<b>PF</b>	Production technology of Kharif onion	1	15	2	17	2	1	3	20
<b>Livestock Production</b>										
Jan-23	<b>PF</b>	Repeat breeding in large animals	1	15	2	17	2	1	3	20
Feb-23	<b>PF</b>	Training to achieve one calf per year	1	15	2	17	2	1	3	20
Mar-23	<b>PF</b>	Prolapse of uterus: its cause and remedies	1	15	2	17	2	1	3	20
Apr-23	<b>PF</b>	Cultivation of azolla cultivation	1	15	2	17	2	1	3	20
May-23	<b>PF</b>	Type of feed and vaccination schedule in poultry	1	15	2	17	2	1	3	20
Jun-23	<b>PF</b>	Conservation of Gangatiri breed of Ghazipur district	1	15	2	17	2	1	3	20
Jun-23	<b>PF</b>	Prevention and control of important zoonotic diseases in water logging area of Ghazipur	1	15	2	17	2	1	3	20
Jul-23	<b>PF</b>	Fish as tool of doubling farmers income	1	18	0	18	2	0	2	20
Sep-23	<b>PF</b>	Prevention of diarrhea and weight loss in water logged area of Ghazipur district	1	15	2	17	2	1	3	20
Sep-23	<b>PF</b>	AI technique and its importance in dairy farming	1	18	0	18	2	0	2	20
Oct-23	<b>PF</b>	Preparation of pond, feeding and management of fish	1	15	2	17	2	1	3	20
Nov-23	<b>PF</b>	Milk fever: its cause and remedies	1	15	2	17	2	1	3	20
Dec-23	<b>PF</b>	Important disease of pig: its cause and remedies	1	15	2	17	2	1	3	20
<b>Home Science</b>										
Jan-23	<b>PF</b>	Multigrain nutritional recipes for pregnant and lactating women from locally available resources	1	0	15	15	0	5	5	20
Feb-23	<b>PF</b>	Drudgery reduction tools and technologies: its	1	0	15	15	0	5	5	20

		implementation								
Mar-23	<b>PF</b>	Nutrient loss minimization technique during processing and cooking	1	0	15	15	0	5	5	20
Apr-23	<b>PF</b>	Safe storage patterns of food grains	1	0	15	15	0	5	5	20
May-23	<b>PF</b>	Value addition of Bale	1	0	15	15	0	5	5	20
Jun-23	<b>PF</b>	Post-harvest management of mango	1	0	15	15	0	5	5	20
Jul-23	<b>PF</b>	Work simplified for drudgery prone farm activities /household related activities	1	0	15	15	0	5	5	20
Nov-23	<b>PF</b>	Nutritional security by Kitchen Garden	1	0	15	15	0	5	5	20
Dec-23	<b>PF</b>	Improvement of health status of farm women by fortified food	1	0	15	15	0	5	5	20
<b>Plant Protection</b>										
Jan-23	<b>PF</b>	Major diseases identification in mango and their management	1	15	2	17	2	1	3	20
Mar-23	<b>PF</b>	Leaf hopper and mealy bug management in mango	1	15	2	17	2	1	3	20
May-23	<b>PF</b>	Yellow mosaic and cercospora leaf spot disease management in summer moong	1	15	2	17	2	1	3	20
Jun-23	<b>PF</b>	Technique of soil solarization for disease management	1	15	2	17	2	1	3	20
Jul-23	<b>PF</b>	Wilt management in Arhar	1	15	2	17	2	1	3	20
Sep-23	<b>PF</b>	Preparation of neem based product for pest management	1	15	2	17	2	1	3	20
Oct-23	<b>PF</b>	Insect pest management in vegetable crops through bio-pesticides	1	15	2	17	2	1	3	20
Nov-23	<b>PF</b>	Blight identification in potato and their management	1	15	2	17	2	1	3	20
Dec-23	<b>PF</b>	Pod borer and Pod fly management in Arhar	1	15	2	17	2	1	3	20
<b>Soil health</b>										
Jan-23	<b>PF</b>	Mode and application of chemical fertilizer in Urd and Moong	1	15	2	17	2	1	3	20
Feb-23	<b>PF</b>	Integrated Nutrient Management in cucurbits	1	15	2	17	2	1	3	20

Mar-23	PF	Importance of soil testing	1	15	2	17	2	1	3	20
Apr-23	PF	Integrated Nutrient Management in chilli	1	18	0	18	2	0	2	20
May-23	PF	Importance and use of green manuring	1	15	2	17	2	1	3	20
Jun-23	PF	Integrated Nutrient Management in Pigeon pea	1	15	2	17	2	1	3	20
Jul-23	PF	Integrated Nutrient Management in paddy	1	15	2	17	2	1	3	20
Aug-23	PF	Mode and application of micronutrients in paddy	1	15	2	17	2	1	3	20
Sep-23	PF	Integrated Nutrient Management in Mustard	1	15	2	17	2	1	3	20
Oct-23	PF	Integrated Nutrient Management in Potato	1	15	2	17	2	1	3	20
Nov-23	PF	Integrated Nutrient Management in wheat	1	15	2	17	2	1	3	20
Dec-23	PF	Soil test based fertilizer application in late sown wheat	1	15	2	17	2	1	3	20

ii) Vocational training programmes for Rural Youth

SN	Crop / Enterprise	Identified Thrust Area	Training title*	Tentative Date	Duration (days)	No. of Participants			SC/ST participants			G.Total
						M	F	T	M	F	T	
1	Wheat	Seed Production	Seed production technique in Wheat	Nov-23	3	15	0	15	0	0	0	15
2	Rice	Seed Production	Seed production technique in rice	Jul-23	3	15	0	15	0	0	0	15
3	Fruits and Vegetables	Post-Harvest Management	Preparation of beverage by seasonal fruits	Oct-23	6	0	10	10	0	0	0	10
4	Fruit crops	Training and Pruning of orchards	Maligiri training	Aug-23	3	10	0	10	0	0	0	10
5	Dairy	Dairy Entrepreneurship	Dairy Farming	Jan-23	30	20	0	20	0	0	0	20
6	Fish	Integrated fish farming	Bio-flock cultivation of fish	May-23	3	15	0	15	0	0	0	15
7	Goat	Sheep and Goat Rearing	Farming and selection of regional breeds of goats	Aug-23	3	15	0	15	0	0	0	15
8	Goat	Goat Farming	Goat Farming	Nov-23	5	25	0	25	0	0	0	25
9	Poultry	Poultry Production	Poultry Farming	Nov-23	5	25	0	25	0	0	0	25
10	Poultry	Poultry Production	Commercial broiler farming	Dec-23	3	15	0	15	0	0	0	15
11	NADEP	Production and use of organic inputs	Preparation technique of NADEP unit	Jun-23	3	15	0	15	0	0	0	15

12	Fruits	Post-Harvest Management	Preparation of beverage by seasonal fruits	May-23	6	0	10	10	0	0	0	10	
13	Cloth	Rural Craft	Preparation of handicraft items	Sep-23	6	0	10	10	0	0	0	10	
14	Vermi-compost	Vermi-culture	Techniques for vermi-compost preparation & production of verms inoculum	Sep-23	3	15	0	15	0	0	0	15	
15	Mushroom	Mushroom Production	Mushroom production technique	Sep-23	3	15	0	15	0	0	0	15	
16	Vermi-compost	Vermi-culture	Vermi Compost	Nov-23	30	25	0	25	0	0	0	25	
17	Bee Keeping	Bee Keeping	Bee Keeping	Nov-23	30	25	0	25	0	0	0	25	
<b>Total</b>						<b>145</b>	<b>250</b>	<b>30</b>	<b>280</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>280</b>

iii) Training programme for extension functionaries

Tentative Date	Clientel e	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>On Campus</b>										
Jan-23	EF	Vaccination schedule and technique in large animals	1	15	0	15	0	0	0	15
Feb-23	EF	Insect-pest and disease management in vegetable crop through biopesticides	1	15	0	15	0	0	0	15
Feb-23	EF	Rejuvenation of aonla plants	1	15	0	15	0	0	0	15
Mar-23	EF	Preparation of balanced feed for cattle ration	1	15	0	15	0	0	0	15
Mar-23	EF	Preparation of nutritious food for children through fortification	1	0	20	20	0	0	0	20
Mar-23	EF	Importance of soil testing	1	20	0	20	0	0	0	20
May-23	EF	Reclamation of Salt Affected Soil	1	20	0	20	0	0	0	20
Jun-23	EF	Scientific cultivation of paddy	1	15	0	15	0	0	0	15
Jun-23	EF	IPM module in paddy crop	1	15	0	15	0	0	0	15
Jul-23	EF	INM in paddy	1	20	0	20	0	0	0	20
Jul-23	EF	Natural Farming	1	15	0	15	0	0	0	15
Aug-23	EF	Preparation of nutritious food products from locally available food	1	0	20	20	0	0	0	20

		grains for children								
Sep-23	EF	Integrated disease management in brinjal	1	15	0	15	0	0	0	15
Sep-23	EF	Guava production and value addition	1	15	0	15	0	0	0	15
Oct-23	EF	Importance of micronutrient in rabi pulses crop	1	20	0	20	0	0	0	20
Oct-23	EF	Importance of NPV in IPM of gram	1	15	0	15	0	0	0	15
Nov-23	EF	Scientific Cultivation of wheat	1	15	0	15	0	0	0	15
Nov-23	EF	Procedure to avail scientific advisory through SMS and Apps and its importance	1	0	10	10	0	0	0	10
Dec-23	EF	Insect Pest and disease management through ICT tools	1	15	0	15	0	0	0	15
Dec-23	EF	Low tunnel and shed net house production of cucurbits	1	15	0	15	0	0	0	15

**iv) Sponsored programme**

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
<b>a) Sponsored training programme</b>											
Veterinary	RKVY-ASCII	RY	Small Poultry Farmers	01	20	0	20	0	0	0	20
Veterinary	ICAR-ARYA	RY	Poultry farming	01	25	0	25	0	0	0	25
Veterinary	ICAR-ARYA	RY	Goat farming	01	25	0	25	0	0	0	25
Plant Protection	ICAR-ARYA	RY	Bee Keeping	01	25	0	25	0	0	0	25
Plant Protection	RKVY-ASCII	RY	Vermi-compost	01	20	0	20	0	0	0	20
<b>Total</b>				<b>05</b>	<b>115</b>	<b>0</b>	<b>115</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>115</b>
<b>b) Sponsored research programme</b>											
<b>Total</b>											
<b>c) Any special programmes</b>											
<b>Total</b>											

## **ACTION PLAN**

### **KVK-1, GONDA**

(1<sup>st</sup> January 2023 to 31<sup>st</sup> December 2023)

#### **1. GENERAL INFORMATION ABOUT THE KVK**

##### **1.1. Name and address of KVK with phone, fax and e-mail**

<b>Address</b>	<b>Telephone</b>		<b>E mail</b>	<b>Website</b>
LalBahadurShastriKrishiVigyan Kendra, Gopal gram, Post - Durgonwa, Distt. - Gonda (U.P.). Pin code -271 125	Office	FAX		
	9415534704	-	<a href="mailto:drikvkgonda@gmail.com">drikvkgonda@gmail.com</a>	<a href="http://www.gonda.kvk4.in">www.gonda.kvk4.in</a>

##### **1.2 .a. Name and address of host organization with phone, fax and e-mail**

<b>Address</b>	<b>Telephone</b>		<b>E mail</b>	<b>Website</b>
	<b>Office</b>	<b>FAX</b>		
Deendayal Research Institute 7-E Swami Ramtirth Nagar, Rani Jhansi Road, JhandeWalan, New Delhi - 110 055.	(011) 23526735  23526792	(011) 27536726	<a href="mailto:dridelhi@chitrakoot.org">dridelhi@chitrakoot.org</a>	

1.2.b. Status of KVK website : Yes

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :

1.2.d Status of ICT lab at your KVK :

##### **1.3. Name of the Senior Scientist & Head with phone & mobile no.**

<b>Name</b>	<b>Telephone / Contact</b>		
	<b>Office</b>	<b>Mobile</b>	<b>Email</b>
Dr. U.N. Singh		+919415534704	unsingh7777@gmail.com

**1.4. Year of sanction: 1989**



1.5. Staff Position (as on 31 May, 2021)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.) as per 7 <sup>th</sup> CPC	Date of Joining	Permanent /Temporary	Category (SC/ST/OBC/Others)	Mobile no.	Age	Email id
1	Senior Scientist Cum Head	Dr. UpendraNath Singh	Senior Scientist Cum Head	Horticulture	37400-67000	152350	01.11.2014	Permanent	General	9415534704	57	unsingh7777@gmail.com
2	Subject Matter Specialist	Er. Mithilesh Kumar Jha	Scientist	Agril. Engineering	15600-39100	104360	16.12.1994	Permanent	General	9450948766	54	mithileshjha1967@gmail.com
3	Subject Matter Specialist	Sri Ashish Kumar Pandey	Scientist	Plant Protection	15600-39100	65000	05.06.2014	Permanent	General	9450701703	40	sonipnd7@gmail.com
4	Subject Matter Specialist	Sri Pushendra Singh Gurjar	Scientist	Horticulture	15600-39100	65000	06.06.2014	Permanent	OBC	8726076308	36	pushpendrasingh2003@gmail.com
5	Subject Matter Specialist	Sri Haripal Singh	PA	Agronomy	9300-34800	76530	03.08.1989	Permanent	General	9450521958	53	<a href="mailto:haripalsingh1967@gmail.com">haripalsingh1967@gmail.com</a>
6	Subject Matter Specialist	Smt. ShashiBala Singh	PA	Home Sci.	9300-34800	72130	20.09.1992	Permanent	General	9450763151	54	shashibala1966@gmail.com
7	Programme Assistant	Sri Sant Ku. Tripathi	PA	Audio-Visual aids	9300-34800	70050	17.05.1996	Permanent	General	9453578495	55	santk462@gmail.com
8	OS/Acctt.	Sri Vinay Ku. Srivasatava	OS/Acctt.	Office	9300-34800	70050	31.07.1994	Permanent	General	9415454192	55	vinay16427@gmail.com
9	Computer Programmer	Sri ChhoteLalShukla	Jr. Steno	Office	5200-20200	43490	01.04.1994	Permanent	General	9452524015	55	clshuklakvkgonda@gmail.com
10	Driver	Sri Prabhu Ram Verma	Jeep Driver	Supporting staff	5200-20200	37110	20.09.1992	Permanent	OBC	9450524059	54	
11	Supporting staff	Sri Bhagat Ram	Cook	Supporting staff	4440-7440	31560	08.01.1992	Permanent	S.T.	9415454192	47	
12	Supporting staff	Sri Ramesh Gupta	Attendant (Agro.)	Supporting staff	4440-7440	30640	07.06.1993	Permanent	OBC	9598029365	55	
13	Supporting staff	Sri Rajjan Prasad Pandey	Attendant (Ani. Sci.)	Supporting staff	4440-7440	30640	01.01.1995	Permanent	General	7570824654	50	

**1.6. Total land with KVK (in ha) :**

S. No.	Item	Area (ha)
1	Under Buildings	1.25 (ha.)
2.	Under Demonstration Units	0.30 (ha.)
3.	Under Crops	14.25 (ha.)
4.	Horticulture	3.75 (ha.)
5.	Others (specify) ( Road Channels Etc, Animal Science)	1.50 (ha.)

**1.7. Infrastructural Development:**

**A) Buildings**

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	1999	616.86	20.70			
2.	Farmers Hostel	ICAR	2003	310.68	18.00			
3.	Staff Quarters (6)	ICAR	2008	--	26.05	2006	400.00	completed
4.	Demonstration Units (2)	ICAR	1999	470.15	3.00	--		
5	Fencing	ICAR	2008	2100 Metre	16.12	2006		75% work is completed
6	Rain Water harvesting system	ICAR						
7	Threshing floor	ICAR						
8	Farm godown	ICAR						
	Other							

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs. in lakh)	Total kms. Run	Present status
Bolero Jeep	2010	6.06	266000	Functional but need to replace
Tractor -Messy	2009	5.52	68105 hours	Functional but need to replace
Motorcycle - Libero	2003	0.43		Need to Replace
Motorcycle - TVS	2004	0.47		Need to Replace

**C) Equipments& AV aids**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
OHP	1997	8832.00	Good
Slide Projector	1997	13110.00	Good
TV	1999	16500.00	Good
Digital Camera	2002	12100.00	Very poor
VCR	1999	15500.00	Poor
LCD	2006	82125.00	Good
Zero Tillage Machine	2008	25000.00	Good
Digital Camera	2011	15000.00	poor
DVD	2009	2600.00	Good
DSLR Camera	2017	41428.00	Good
LCD Projector	2017	32857.00	Good
Flexible Screen With Stand	2017	15714.00	Good

**1.8. A). Details of SAC meetings to be conducted in the year**

Sl.No.	Date
1. Scientific Advisory Committee	February 2023

## 2. DETAILS OF DISTRICT (2023)

### 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1	Crop production + Live stock
2	Crop production + Horticulture
3	Horticulture + Live stock

### 2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
<b>District Gonda is divided into four micro -agro-climatic zones</b>		
1	<b>Tarai :</b> (Part of Mujehana, Iteathok&RupaiDeeh&Mankapur)	This Zone Consist of plain and forest land. Soil is silty clay to loams type. Farming situation is irrigated.
2	<b>Uparhar (Up land) :</b> (Part of Jhahhari, PadariKripal, Wajeerganj&RupaiDeeh)	This Zone Consist of upland soil having sandy to sandy loam type of soil. Farming situation is irrigated and un irrigated both
3	<b>Tarhar (Low land) :</b> (Part of Cutara, Belsar, Paraspur, Haldharmau, colonelganj&Tarabganj)	This Zone Consist of low land type of soil having loam, sandy loam, clay and organic matter rich soil farming situation is irrigated.
4	<b>Majha :</b> (Part of Colonelganj, Paraspur, Belsar, Tarbganj)	This zone is situated at the bank of TerhiSarayu and Ghaghara River. The soil is silty clay & sandy some area of this zone is flood affected for 3-4 months during kharif season.

S. No	Agro-climatic Zone	Characteristics
1	AES-I	Clay loam, Paddy, Sugarcane, Brinjal, tomato, Okra, Mango & Fodder.
2	AES-II	Sandy soil, wheat, Gram, Groundnut, paddy, Mustard, Potato, Maize, Arhar, Moong, Urad, Barley, Jowar, Lentil, Okra, Brinjal, Mango.
3	AES-III	Sandy loam rich in organic matter, paddy, maize, arhar, groundnut, wheat, pea, sugarcane, potato, brinjal, jaikfruit, mango.
4	AES-IV	Flood prone, sandy soil, paddy tobacco sugarcane, wheat, tomato, muskmelon.

### 2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Sandy soil	Low organic matter content high infiltration and percolation rate	120884
2	Sandy loam	Fertile soil with rich soil nutrient	197858

2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1	Paddy	123711	318556	25.75
2	Moong	29	8	2.87
3	Maize(Kharif)	46304	56908	12.29
4	Maize (Rabi)	38	74	19.51
5	Pigeon Pea	5739	2417	4.21
6	Urd	961	394	4.10
7	Wheat	155438	510148	32.82
8	Barley	626	2052	32.78
9	Gram	692	932	13.47
10	Field Pea	892	1469	16.45
11	Lentil	18209	20048	11.01
12	Mustard	7673	7931	10.34
13	Sesamum	438	80	1.84

Source: District agriculture department.

2.5. Weather data

Month	Rainfall (mm)	Temperature ° C	
		Maximum	Minimum
June, 2022	44.0	40.0	28.0
July, 2022	55.0	41.5	27.8
August, 2022	102.0	35.5	26.7

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	53338	444.319000m. Tons	4 Lit/day
<i>Indigenous</i>	470504		2.7 Lit/day
<b>Buffalo</b>	395253		
<b>Sheep</b>	15791		
<b>Goats</b>	253326		0.95 Lit/day
<b>Pigs</b>	<b>9949</b>		
<b>Poultry</b>	262516		
<i>Other</i>	902		

2.7 Details of Operational area / Villages (2023)

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Colonalganj	Haldharmau	Sonahra	Maize, paddy, wheat mustard, Toria, Banana, Pigeon pea & livestock.	Low yield of crop, low milk production of milch animal	Use of local seed, imbalance use of fertilizer, infestation of weed, pod borer in chick pea, wilt in pigeon pea. Attack of ecto&endo parasite & Lack of green fodder
Colonalganj	Paraspur	Khajurinidhi Charsari Charahuwa	Maize, paddy, wheat, mustard Toria, Banana, Pigeon pea & livestock	Low yield of crop, low milk production of milch animal	Use of local seed, imbalance use of fertilizer, infestation of weed, pod borer in chick pea, wilt in pigeon pea, Attack of ecto&endo parasite & Lack of green fodder
Colonalganj	Colonalganj	Kanjemau Shishamau	Maize, paddy, wheat mustard Lentil, Vegetable, pigeon pea, Mentha& livestock	Low yield of crop, low milk production of milch animal	Use of local seed, imbalance use of fertilizer, infestation of weed, pod borer in chick pea, wilt in pigeon pea, Attack of ecto&endo parasite & Lack of green fodder
Sadar	Jhahhari	HaripurSaraiy amafi,	Sugarcane, Paddy, Wheat, mustard, Maize, Lentil, Toria	Low yield of crop, low milk production of milch animal	Use of local seed, imbalance use of fertilizer, infestation of weed, Red rot in sugarcane, Attack of ecto&endo parasite & Lack of green fodder
Tarabganj	Tarabganj	Khajuri, Pathar	Maize,paddy, wheat, mustard,toria, Lentil, livestock	Low yield of crop, low milk production of milch animal	Imbalance use of fertilizer, no use of bio-fertilizer, Imbalance use of diet for milch animal.
Tarabganj	Wajzirganj	Sonahara, Raipur	maize, paddy, wheat, lentil,chickpea,field pea mustard, Vegetable livestock	Low yield of crop low milk production of milch animal	Use of local seed, using local tools and traditional implements, no use of sulpher in oilseed, wilt in pigeon pea & lack of green fodder.
Tarabganj	Nawabganj	Lidehanagrun t Tulsipurmajh a	Sugarcane ,Maize, paddy, wheat, Vegetable mustard, toria, Lentil, livestock	Low yield of crop, low milk production of milch animal	Imbalance use of fertilizer, no use of bio-fertilizer, Imbalance use of diet for milch animal.
Tarabganj	Belsar	Umri Parshada Ismilepur, Niyava	Sugarcane ,Maize, paddy, wheat, Vegetable mustard, toria, Lentil, livestock	Low yield of crop, low milk production of milch animal	Imbalance use of fertilizer, no use of bio-fertilizer, Imbalance use of diet for milch animal.

## 2.8 Priority/thrust areas

S. No	Crop/Enterprise	Thrust area
1.	Cereal, Pulse & Oilseed crops	Use of Improved seed
2.	Cereal, Pulse & Oilseed crops	Balance use of chemical fertilizer and bio-fertilizer
3.	Vegetable & fruit plants	Use of improved seedling & samplings
4.	ZT machine, Lesser Guided Land Leveler, Raisedbed planter, Happy Seeder & Rotary Multure	Use of improved agricultural tools and implements
5.	Cereal, Pulse & Oilseed crops and Vegetables	Integrated pest and disease management.
6.	Cow, Buffalo, Goat & Sheep	Attack of ecto&endo parasites in livestock
7.	Cattle & Goat	Breed improvement of cattle and goat.
8.	Banana & Aonla	Popularization of Banana and Aonla.
9.	Cereal, Pulse & Oilseed crops	Safe storage of grain.
10.	Maize seller, groundnut decorticator & Serrated sickle	Drudgery reduction through improved farm tools
11.	Mango, Aonla & Vegetables	Post harvest management of fruit and vegetables
12.	Soil health	Soil testing
13.	Beekeeping	Beekeeping
14.	Vermicomposting	Vermicompost production
15.	Mushroom	Mushroom production

## 3. TECHNICAL PROGRAMME

### A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
12	75	200	350

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2000	400	20000
Seed Production (Qtl.)	Planting material (Nos.)	Organic Input (Qtl.)	Soil Samples
(5)	(6)	(7)	(8)
200	20000	10	3000





### 3 Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Crop management	Rice- wheat system	Poor economic output	To assess the suitable variety of wheat for timely sown condition.	HYV HD-2967	- Sowing time & fertilizer management. - Seed production technique of Wheat.	Seed production technique of Rabi Pulses	Kisangosthi & field day	HYV seed
2	Balance use of chemical fertilizer & bio-fertilizer in different crop	Maize sugarcane pigeon pea, wheat, chick pea, mustard, potato & banana	Low yield	To assess the water soluble NPK in wheat crop.	Use of bio-Sulphur in oilseed	-Nutrient management in pulses crop. - Bio-fertilizer management in wheat production -Integrated nutrient management in maize crop -Bio-chemical fertilizer management in paddy. -Use of sulphur & bio-fertilizer in mustard crop.	Use of bio-fertilizer in rabi crop.	Kisangosthi	Bio-fertilizer
3	Use of improved variety of seedling & sapling of vegetable & fruit plants	Tomato, Brinjal, chilli, cauliflower, potato, turmeric, aonla, guava, banana & mango.	Low yield	To assess the HYV of Tomato for summer season  To assess the suitable Vr. of Onion for Rabi season.	-Hybrid tomato production  - Demon. of HYV of banana	Seed prod. technique of potato through TPS  Vegetable prod. In kharif season.  Nutrient management in banana.  Solarization of nursery plant  Layout planning Aonla & Banana  Nursery management of fruit plant.	Use of bio-fertilizer in rabi crop.	Kisangosthi	Bio-fertilizer

4	Use of improved tools & implements	Serrated sickles, wheel hoe, zero tillage seed drill inclined plate planter, Paddy drum seeder, Laser guided land leveler, Raised bed planter	Low yield	To assess the Happy seeder for sowing of wheat after harvesting of paddy through combine harvester  To assess the Super seeder machine sowing of wheat after harvesting of paddy through combine harvester	-Use of serrated sickles for wheat harvesting- Use of wheel hoe for weed control in maize & Groundnut sowing with zero tillage machine.  - Direct seeding of rice through drum seeder  - Use of laser guided land leveler for leveling the land.	-Use of zero tillage machines for wheat sowing.  -Operation care & maintenance of power thresher..  -Operation care & maintenance of sprayer & duster.  - Care & maintenance of small farm tools & implements.	- Operation care and maintenance of small farm tools and implement.	Kisangosthie	Wheel hoe, Serrated sickles, zero tillage machines, inclined plate planter.  Laser guided land leveler, Raised bed planter, Power harvester (sprata-44)
5	Integrated pest management and disease management	Plant protection measures	Low yield of Wheat (Plant protection measures)	-To control the sheath blight in Rice.  To find out the suitable and economical control of false smut on rice.	--	- Seed treatment in wheat	--	Kisangosthie & field day	
6	Control of ecto&endo parasites in livestock	Livestock	Low milk production of milch animal	--	--	Control of ecto&endo parasites in livestock	--	Animal health camp	
7	Breed improvement	Cattle and goat	Low yield of milk	--	--	--	--	Animal camp, advisory service	
8	Promotion of poultry	Birds	Unit establishment	--	Improved breeds	Management of poultry birds	--	--	

9	Cultivation of fruit	Banana & Aonla	Unscientific cultivation of banana and Aonla	Low yield of banana	--	- Layout of banana and Aonla plantation - Fertilizer management in banana.	- use of bio-fert, in horticultural crop	KisanGosthi	
10	Safe storage of grain	Safe grain	Loss of grain during storage	To assess the use of safe grain storage	--	safe storage of food grain	--	Mahilagosthi	
11	Drudgery reduction through improved farm tools	Maize sheller & Groundnut decorticator	Drudgery in removing grain from maize and ground nut	. To assess the use of maize sheller in drudgery reduction.	To assess the drudgery	-Technique for use of serrated sickle for harvesting of paddy. - Technique of use of maize Sheller for removing the grain.	Operation, care and maintenance of small farm farm tools implements	Kisangosthie, Mahilagosthi	Serrated sickle maize shellar, Groundnut decorticator
12.	Nutritional garden	Fruit and vegetables	Poor family health in small farmers	To assess the importance of Nutritional garden for continuous availability of fresh vegetables and fruits to rural women	Establishment of Nutrition garden	- Design and layout of Nutrition garden	--	--	Planting materials
13.	Soil health and soil testing	Soil	No testing of soil	--	--	- How to maintain the fertility level of soil and p H value.	--	--	--
14.	Sustainable development of flooded area	Paddy, wheat, sugarcane	Low productivity of crops	--	FLD of latest technologies	INM, IPM Integrated crop management	--	--	Seeds & implements

### 3.1 Technologies to be assessed and refined

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	1				2					3
Integrated Nutrient Management	2									2
Value addition	1									1
Integrated Pest Management										
Integrated Disease Management	2									2
Resource conservation technology	3									3
<b>TOTAL</b>	<b>9</b>				<b>2</b>					<b>11</b>

#### A.2. Abstract on the number of technologies to be refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
<b>TOTAL</b>										

#### A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Feed and Fodder	1							1
<b>TOTAL</b>	<b>1</b>							<b>1</b>

#### A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
<b>TOTAL</b>								

OFT – 1

#### Details of OFT Planning

Particulars	Contents
<b>Title</b>	Introduction of H.Y.V. of wheat. for timely sowing
<b>Problem diagnosed</b>	Low yield of wheat.
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1- Farmers practice (Sowing of timely sown variety i.e. HD-2967. T2- Sowing of timely sowing new variety i.e. DBW-187. T3- Sowing of timely sowing new variety i.e. DBW 222
<b>No. of farmers</b>	5
<b>Season</b>	Rabi 2022
<b>Replications</b>	5
<b>Critical inputs</b>	Seed

<b>Production system</b>	Rice- wheat
<b>Source of technology</b>	IWBR,Karnal.
<b>Total Cost</b>	5000
<b>Observation to be recorded</b>	-No. of ear/sq.mt. - No. of grains/spike - Yield q. /ha. - B:C Ratio
<b>Reaction of the farmers</b>	Acceptance of variety

### OFT-2

#### Details of O F T Planning

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	To assess the use of water soluble NPK in Wheat crop.
<b>Problem diagnosed</b>	Low yield of Wheat due to imbalance use of fertilizer.
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1 - Farmers' Practice{Urea-125Kg+ DAP-62.5 Kg/ha.} T2 – Recommended dose NPK- 125:60:40/ha T3 – 75% Recommended dose of NPK + 2 spray of NPK (19:19:19)
<b>No. of farmers</b>	5
<b>Replications</b>	5
<b>Critical inputs</b>	Seed+fertilizer
<b>Production system</b>	Rice- wheat
<b>Source of technology</b>	GBPU&T (UK).
<b>Observation to be recorded</b>	-No. of ear/sq.mt. - No. of grains/spike - Yield q. /ha.
<b>Reaction of the farmers</b>	Acceptance of technology.

### OFT-3

#### Details of O F T Planning

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	To assess the use of nano fertilizer in production of Wheat.
<b>Problem diagnosed</b>	Low yield of Wheat due to imbalance use of fertilizer.
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1 - Farmers' Practice{Urea-125Kg+ DAP-62.5 Kg/ha.} T2 – Recommended dose NPK- 125:60:40/ha T3 – 50% dose of Nitrogen and full recommended dose of phosphorus and potash + 2 spray of nano fertilizer.
<b>No. of farmers</b>	5
<b>Replications</b>	5
<b>Critical inputs</b>	Seed + nano fertilizer
<b>Production system</b>	Rice- wheat
<b>Source of technology</b>	IFFCO
<b>Observation to be recorded</b>	-No. of ear/sq.mt. - No. of grains/spike - Yield q. /ha.
<b>Reaction of the farmers</b>	Acceptance of technology.

### OFT-4

#### Details of OFT Planning

Particulars	Contents
<b>Title</b>	To assess the high yielding variety of tomato for summer season.
<b>Problem diagnosed</b>	Low yield of tomato.
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1 – Farmers Practice (Var.Himsona) T2 – ArkaRakshak
<b>No. of farmers</b>	05
<b>Season</b>	Zaid2022
<b>Replications</b>	02
<b>Critical inputs</b>	Seedling
<b>Production system</b>	Maize/paddy -Tomato
<b>Source of technology</b>	IIHR Bangalore
<b>Observation to be recorded</b>	- First flowering (Days) - No. of fruits/ bunch - Ripening stage (Days) - Wt/fruit -Yield/ha. - B:C Ratio
<b>Reaction of the farmers</b>	Acceptance of Variety

### OFT-5

#### Details of OFT Planning

Particulars	Contents
<b>Title</b>	To assess the performance of improved variety of Chilly
<b>Problem diagnosed</b>	Low production of Chilly
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1 – Farmers Practice (Variety- Faizabadi) T2 – Recommended Practice- Variety Kashi Abha
<b>No. of farmers</b>	05
<b>Replications</b>	03
<b>Critical inputs</b>	Seedling of Chilly
<b>Production system</b>	Maize/paddy - Onion
<b>Source of technology</b>	IIVR Varanasi
<b>Observation to be recorded</b>	- First flowering time (Days) - First Plucking time - Size of fruit (Cm) - Weight of per fruit (Gm) - Yield (Qt./ha.)
<b>Reaction of the farmers</b>	Acceptance of Variety

### O F T -6

#### Details of O F T Planning

Particulars	Contents
<b>Title</b>	To control of Sheath Blight in rice
<b>Problem diagnosed</b>	Low Production and field damage of rice due to severe attack of Sheath Blight.
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1 : Farmer practice (Foliar application of Mancozeb) T2 : Spraying of Carbendazim 50% wp @ 1gm + Validamycin 3% @ 1ml/ lit water. T3 : Spraying of trichoderma viridy 1.15% wp @ 3gm + Pseudomonas fluorescens 0.5 wp @ 1gm / lit water.
<b>No. of farmers</b>	5
<b>Replications</b>	5
<b>Critical inputs</b>	Insecticide and bio agents
<b>Production system</b>	Rice – Wheat - Sugarcane
<b>Source of technology</b>	CRRI, Cuttak
<b>Observation to be recorded</b>	- Infestation % of disease - Production (q/ha.) - B:C Ratio
<b>Reaction of the farmers</b>	Farmer's acceptance

### O F T -7

#### Details of O F T Planning

Particulars	Contents
<b>Title</b>	<b>To find out the suitable and economical control of false smut in rice.</b>
<b>Problem diagnosed</b>	<b>Low yield of rice.</b>
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1 : Farmer practice – use of Carbendazim 50% WP @ 1gm/Lit. of water on the disease appearance. T2 : Use of Propiconazole 25% EC 1ml/Lit. of water on boot leaf and milky stage.
<b>No. of farmers</b>	10
<b>Replications</b>	10
<b>Critical inputs</b>	Propiconazole
<b>Production system</b>	Paddy –weed
<b>Source of technology</b>	<b>CRRI, Cuttack (Orissa)</b>
<b>Observation to be recorded</b>	- Number of plants effected - Productivity Q/ha - B:C Ratio
<b>Reaction of the farmers</b>	Acceptance of technology

## OFT- 8

### Details of O F T Planning

Particulars	Contents
Title	To assess the suitable variety of oat for maximum green fodder.
Problem diagnosed	Low yield of green fodder (Oat).
Micro farming situation	Irrigated
Details of technology identified for solution	T1 : Sowing of old variety (Kent) T2 : Sowing of high yielding variety (JHO-2000-4)
No. of farmers	10
Replications	10
Critical inputs	High yielding variety (JHO-2000-4)
Production system	Maize – Oat, feed and fodder management.
Source of technology	IGFRI, Jhansi (UP)
Observation to be recorded	- First cutting (Days) - Total number of cutting - Total production of green fodder (q/ha)
Reaction of the farmers	Acceptance of variety

## O F T -9

### Details of O F T Planning

Particulars	Contents
Title	To assess the Super Seeder for sowing of wheat after harvesting of rice through combine harvester.
Problem diagnosed	Burning of paddy straw after harvesting of paddy..
Micro farming situation	Irrigated
Details of technology identified for solution	T1 : Sowing of wheat after burring of crop residue T2 :Sowing of wheat through SuperSeeder..
No. of farmers	5
Replications	5
Critical inputs	Seed of Wheat + SuperSeeder
Production system	Rice-Wheat
Source of technology	CIAE, Bhopal
Observation to be recorded	-Yield - B:C Ratio
Reaction of the farmers	Farmer's acceptance

## OFT-10

### Details of O F T Planning

Particulars	Contents
Title	To assess the use of Seed drill for direct sowing of rice.
Problem diagnosed	High cost involved in rice cultivation
Micro farming situation	Irrigated
Details of technology identified for solution	T1 : Farmer practice (Transplanting) T2 : Direct seeding of rice through Super Seeder.



<b>No. of farmers</b>	5
<b>Replications</b>	5
<b>Critical inputs</b>	Seed
<b>Production system</b>	Rice – Wheat
<b>Source of technology</b>	IARI, New Delhi
<b>Observation to be recorded</b>	- Number of weeds/sqm. - Number of Tillers/sqm. - Length of Spike -Number of grains/ Spike
<b>Reaction of the farmers</b>	Farmer's acceptance

### OFT-11

#### Details of O F T Planning

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	To assess the use of rotary mulcher in ratoon management of sugarcane.
<b>Problem diagnosed</b>	Burning of crop residueof sugarcane.
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1 : Farmer practice (burning sugarcane crop residue.) T2 :Use of rotary mulcher in ratoon management of sugarcane crop.
<b>No. of farmers</b>	5
<b>Replications</b>	5
<b>Critical inputs</b>	Rotary mulcher machine.
<b>Production system</b>	Sugarcane-Sugarcane-Wheat
<b>Source of technology</b>	CIAE, Bhopal
<b>Observation to be recorded</b>	- Number of weeds/sqm. - Number of Tillers/sqm. - Length of Spike -Number of grains/ Spike
<b>Reaction of the farmers</b>	Farmer's acceptance

### O F T- 12

#### Details of O F T Planning

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Value addition of maize.
<b>Problem diagnosed</b>	Less value addition of maze.
<b>Details of technology identified for solution</b>	T1- Preparation of Maize Aata and Bhuja T2- Preparation of Mathri, Sev, Sattu, Daliya&Namkeen.
<b>No. of farmers&amp; Farm womes</b>	10
<b>Replications</b>	10
<b>Critical inputs</b>	Maize and tools.
<b>Source of technology</b>	Food processing department.
<b>Observation to be recorded</b>	-Net profit -B:C

<b>Reaction of the farmers</b>	Farmer and farm women acceptance.
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### 3.2 Front Line Demonstrations

#### A. Details of FLDs to be organize –

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demo	Parameters identified
<b>Oilseed and Pulses</b>									
1	Toria	Tapeshwari	ICM	Seed+ Sulpher	Seed+ Sulpher	Rabi 2023	10.0	30	1.No. of branches/plant 2. Yield
2	Mustard	Giriraj	INM	Seed + Sulpher	Seed+ Sulpher	Rabi 2023	6.0	20	1. Oil content % 2. Yield
3	Pigeon pea	IPA - 203	ICM	Seed + Rizobium Culture	Seed + Rizobium Culture	Kharif-2023	5.0	15	1. No. of branches/plant 2.Yield
		IPA - 203	IPM	Seed Insecticide	Seed + Imidachlopid	Kharif-2023	5.0	20	1.No. of pod effected/plant 2. Yield
<b>Other than oilseeds and pulses</b>									
4	Rice	NDR 2064	ICM	Improved seed	Seed + zinc	Kharif-2023	10.0	35	1. No. of effected plant due to khaira/Sqm 2. Yield
5	Wheat	DBW187	ICM	Improved Seed+ Super Seeder	Seed	Rabi 2023	10.0	20	1. No. of tillers/plant 2.No. of grain/spike 3.Yield
		DBW 222	IWM	Improved seed +Herbicide	Seed + sulpho - Sulphuran	Rabi 2023	5.0	20	1.No.of weed/Sqm 2. Yield

<b>Horticultural crops</b>									
6	Chilli	KashiAnmol-2	Varietal Evaluation	Demon. of Improved variety	Seedlings	Kharif 2023	1.0	20	1. First flowering (Days) 2. Length of fruit 3. Av. wt./ fruit (gm) 4. Yield
7	Onion	AFLR	Varietal Evaluation	Demon. of HYV	Seedlings	Rabi 2023	0.4	10	1. Size of bulb 2. Av. wt./bulb 3. Av. Yield
8	Cow pea	KashiKanchan	Varietal Evaluation	Demon. of HYV	Seed	Zaid-2023	2.0	15	1. First flowering initiation (Days) 2. First picking Stage (Days) 2. Yield
<b>Fodder Crops</b>									
9	Oat	JHO-2000-4	Fodder Production	Improved Variety	Seed	Rabi 2023	1.0	20	1. No. of cutting 2. Yield
<b>Plant Protection</b>									
10	Earth-worms	Eiseniafoetida	Organic input	Vermicomposting	worms	Kharif 2023	25 Units	25	Quality of compost Av. Production
11	Mushroom	Oyster & Button	Mushroom Production	Pripration of compost and spawn	Spawn	Rabi 2023	10 units	10	Av. Size Av. weight Av. Yield
<b>Total</b>							<b>59.2</b>	<b>273</b>	

#### B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	12	Aug., Sep, Jan., Feb., March	372
2	Farmers Training	05	June , July, October, Nov.	223
3	Media coverage			Mass
4	Training for extension functionaries	02	June, October	184

#### C. Details of FLD on Enterprises

##### (i) Farm Implements

Name of the implement	Crop	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Laser guided land leveler	Paddy & Wheat	30	15	Laser guided land leveler and tractor with heir basis	1. Water saving 2. Yield
Raised bed planter	Pigeon pea, Maize, Wheat + Sugarcane	55	30	Raised bed planter	1. Cost saving 2. % Damage of plant 3. Yield
Direct seeded rice	Paddy	15	5	D S R Planter	1. Time saving

planter					2. Cost saving 3. Yield
Swing of wheat through Super Seeder	Wheat	52	40	Zero tillage seed drill and tractor with heir basis	1.No. of tiller/plant 2. Cost saving 3. No. of lodging of plant/sqm 4. Yield
Rotary mulcher	Sugarcane & paddy crop residue	30	10	Rotary mulcher	1.No. of weeds/sqm. 2. Cost saving 3. No. of irrigation 4. Yield
<b>Total</b>		<b>182</b>	<b>100</b>		

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**(ii) Livestock Enterprises**

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Poultry	KadakNath	15	250	Layer	1. First Laying (days) 2. Egg Prod. (No.)

**(III) Nutritional garden**

Enterprise	No. of farm women	Critical inputs	Performance parameters / indicators
Nutritional Garden	100	Seed, Seedlings & Saplings	Total quantity of vegetable / Fruits (Kg) Total Money saved (Rs.)

**(IV) Natural farming**

Technology	Crop	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
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Natural farming	Wheat & vegetable	45	10	Seed, seedlings, Jiwamrit, Ghanjiwamrit, Bijamrit and Daspardi Ark.	1. Quality of the product 2. Yield
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### 3.3 Training (Including the sponsored and FLD training programmes):

#### A) ON Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Resource Conservation Technologies	1	15	-	15	--	-	--	15
Water management	1	15	--	15	-	-	-	15
Integrated Crop Management	1	20	3	20	2	-	2	25
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Nursery raising	1	15	-	15	3	-	3	18
Protective cultivation (Green Houses, Shade Net etc.)	1	18	-	18	2	-	2	20
<b>b) Fruits</b>								
Training and Pruning	1	15	-	15	2	-	2	17
Layout and Management of Orchards	1	13	-	13	2	-	2	15
Cultivation of Fruit	1	13	-	13	2	-	2	15
Management of young plants/orchards	1	13	-	13	2	-	2	15
<b>c) Ornamental Plants</b>								
<b>d) Plantation crops</b>								
Production and Management technology	1	12	--	12	3	--	3	15
Processing and value addition								
<b>IV Livestock Production and Management</b>								
Dairy Management	1	20	3	20	2	-	2	25
Poultry Management	2	27	2	29	6	-	6	35
Feed management	2	25	8	33	6	2	8	41
Production of quality animal products								
<b>V Home Science/Women empowerment</b>								
Value addition	3	-	60	60	-	12	12	72
Use of farm machinery	2	25	-	25	5	-	5	30
Repair and maintenance of farm machinery and implements	1	12	-	12	3	-	3	15
<b>VII Plant Protection</b>								
Integrated Pest Management	1	10	-	10	5	-	5	15
Integrated Disease Management	3	40	-	40	8	-	8	48
<b>VIII Fisheries</b>								
<b>IX Production of Inputs at site</b>								
<b>X Capacity Building and Group Dynamics</b>								
Technique of PRA survey	1	12	-	12	4	-	4	16
Market led production	1	12	-	12	3	-	3	15
Importance of Drone in agriculture	1	12	-	12	3	-	3	15
Group dynamics								
Formation and Management of SHGs	1	10	-	10	5	-	5	15
Formation and Management of F P O	1	15	-	15	5	-	5	20
<b>XII Others (Pl. Specify)</b>								

<b>TOTAL</b>	<b>30</b>	<b>369</b>	<b>76</b>	<b>445</b>	<b>73</b>	<b>14</b>	<b>87</b>	<b>532</b>
<b>(B) RURAL YOUTH</b>								
<b>Mushroom Production</b>	<b>1</b>	<b>17</b>	<b>-</b>	<b>17</b>	<b>3</b>	<b>-</b>	<b>3</b>	<b>20</b>
<b>Bee-keeping</b>	<b>1</b>	<b>20</b>	<b>-</b>	<b>20</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>20</b>
Integrated farming								
Seed production	1	20	-	20	2	-	2	22
Production of organic inputs	1	15	-	15	-	-	-	15
Repair and maintenance of farm machinery and implements	1	15	-	15	5	-	5	20
Nursery Management of Horticulture crops	2	28	-	28	4	-	4	32
Training and pruning of orchards								
Value addition	1	-	20	20	-	5	5	25
Sheep and goat rearing	1	10	5	15	5	-	5	20
Poultry production	1	10	5	15	5	-	5	20
Tailoring and Stitching	2	-	40	40	-	5	5	45
Rural Crafts	1	-	15	15	-	5	5	20
<b>TOTAL</b>	<b>13</b>	<b>135</b>	<b>85</b>	<b>220</b>	<b>23</b>	<b>15</b>	<b>38</b>	<b>258</b>
Productivity enhancement in field crops	1	15	-	15	2	-	2	17
Integrated Pest Management	1	15	-	15	3	-	3	18
Rejuvenation of old orchards	1	15	-	15	-	-	-	15
<b>Care and maintenance of farm machinery and implements</b>	<b>1</b>	<b>20</b>	<b>-</b>	<b>20</b>	<b>5</b>	<b>-</b>	<b>5</b>	<b>25</b>
<b>Management in farm animals</b>	<b>1</b>	<b>20</b>	<b>-</b>	<b>20</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>20</b>
<b>Women and Child care</b>	<b>1</b>	<b>-</b>	<b>15</b>	<b>15</b>	<b>-</b>	<b>5</b>	<b>5</b>	<b>20</b>
<b>TOTAL</b>	<b>6</b>	<b>85</b>	<b>15</b>	<b>100</b>	<b>10</b>	<b>5</b>	<b>15</b>	<b>115</b>

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## B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1	14	-	14	2	-	2	16
Resource Conservation Technologies	4	70	10	80	20	-	20	100
Cropping Systems	5	81	-	81	12	1	13	94
Integrated Farming	1	15	-	15	-	-	-	15
Production of organic inputs	1	17	-	17	3	-	3	20
<b>II Horticulture</b>								

<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	2	30	-	30	10	-	10	40
Nursery raising	2	30	5	35	5	-	5	40
Grading and standardization	1	15	2	17	3	-	3	20
<b>b) Fruits</b>								
Layout and Management of Orchards	1	20	-	20	-	-	-	20
Cultivation of Fruit	2	33	2	35	2	-	2	37
Management of potted plants	1	15	3	18	2	3	5	23
Production and Management technology	1	18	2	20	3	2	5	25
<b>f) Spices</b>								
Production and Management technology	1	15	5	20	5	1	6	26
Processing and value addition	1	16	2	18	2	-	2	20
<b>g) Medicinal and Aromatic Plants</b>								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	16	4	20	3	2	5	25
<b>IV Livestock Production and Management</b>								
Dairy Management	3	44	5	49	16	-	16	65
Poultry Management	1	15	-	15	5	-	5	20
Disease Management	3	40	10	50	13	2	15	65
Feed management	1	10	3	13	8	2	10	23
Production of quality animal products								
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	-	20	20	-	5	5	25
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet	1	-	20	20	-	5	5	25
Minimization of nutrient loss in processing	1	-	20	20	-	5	5	25
<b>Gender mainstreaming through SHGs</b>								
Storage loss minimization techniques	2	-	40	40	-	10	10	50
Value addition	3	-	60	60	-	15	15	75
Location specific drudgery reduction technologies	1	-	20	20	-	5	5	25
Installation and maintenance of micro irrigation systems	1	15	-	15	5	-	5	20
Use of farm machinery	3	40	2	42	13	-	13	55
Repair and maintenance of farm machinery and implements	6	85	10	95	15	5	20	115
<b>VII Plant Protection</b>								
Integrated Pest Management	3	56	-	56	14	-	14	70
Integrated Disease Management	4	72	-	72	13	-	13	85
Bio-control of pests and diseases	1	20	-	20	5	-	5	25
<b>VIII Fisheries</b>								
<b>IX Production of Inputs at site</b>								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	1	10	-	10	10	-	10	20
Market led production	1	12	-	12	3	-	3	15
Importance of Drone in agriculture	1	18	-	18	2	-	2	20
Formation and Management of SHGs	1	12	-	12	5	-	5	17

Formation and Management of F P O	1	15	-	15	5	-	5	20
Entrepreneurial development of farmers/youths	1	15	-	15	5	-	5	20
<b>XI Agro-forestry</b>								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>33</b>	<b>368</b>	<b>192</b>	<b>560</b>	<b>97</b>	<b>50</b>	<b>147</b>	<b>707</b>

**C) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
<b>(A) Farmers &amp; Farm Women</b>									
<b>I Crop Production</b>									
Weed Management	1	14	-	14	2	-	2	16	
Resource Conservation Technologies	5	85	10	95	20	-	20	115	
Cropping Systems	5	81	-	81	12	1	13	94	
Integrated Farming	1	15	-	15	-	-	-	15	
Water management	1	15	-	15	-	-	-	15	
Seed production	1	18	-	18	2	-	2	20	
Nursery management	1	15	-	15	-	-	-	15	
Integrated Crop Management	1	15	3	20	2	-	2	25	
Production of organic inputs	1	17	-	17	3	-	3	20	
<b>II Horticulture</b>									
<b>a) Vegetable Crops</b>									
Production of low volume and high value crops	2	30	-	30	10	-	10	40	
Nursery raising	3	45	5	50	8	-	8	58	
Grading and standardization	1	15	2	17	3	-	3	20	
Protective cultivation (Green Houses, Shade Net etc.)	1	18	-	18	2	-	2	20	
<b>b) Fruits</b>									
Training and Pruning	1	15	-	15	2	-	2	17	
Layout and Management of Orchards	2	33	-	33	2	-	2	35	
Cultivation of Fruit	3	46	2	48	4	-	4	52	
Management of young plants/orchards	1	13	-	13	2	-	2	15	
Export potential fruits	1	18	-	18	2	-	2	20	
<b>c) Ornamental Plants</b>									
Management of potted plants	1	15	3	18	2	3	5	23	
Production and Management technology	2	30	2	32	6	2	8	40	
Processing and value addition									
<b>f) Spices</b>									
Production and Management technology	1	15	5	20	5	1	6	26	
Processing and value addition	1	16	2	18	2	-	2	20	
<b>g) Medicinal and Aromatic Plants</b>									
<b>G. Total</b>									
<b>III Soil Health and Fertility Management</b>									
Soil fertility management	1	16	4	20	3	2	5	25	
<b>IV Livestock Production and Management</b>									
Dairy Management	4	64	8	72	18	-	18	90	
Poultry Management	3	42	2	44	11	-	11	55	



Disease Management	3	40	10	50	13	2	15	65
Feed management	3	35	11	46	14	4	18	64
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	-	20	20	-	5	5	25
Designing and development for high nutrient efficiency diet	1	-	20	20	-	5	5	25
Minimization of nutrient loss in processing	1	-	20	20	-	5	5	25
<b>Gender mainstreaming through SHGs</b>								
Storage loss minimization techniques	2	-	40	40	-	10	10	50
Value addition	6	-	120	120	-	27	27	147
Location specific drudgery reduction technologies	1	-	20	20	-	5	5	25
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems	1	15	-	15	5	-	5	20
Use of farm machinery	5	65	2	67	18	-	18	85
<b>Production of small tools and implements</b>								
Repair and maintenance of farm machinery and implements	7	97	10	107	18	5	23	130
<b>VII Plant Protection</b>								
Integrated Pest Management	4	66	-	66	19	-	19	85
Integrated Disease Management	7	112	-	112	21	-	21	133
Bio-control of pests and diseases	1	20	-	20	5	-	5	25
<b>VIII Fisheries</b>								
<b>IX Production of Inputs at site</b>								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	1	10	-	10	10	-	10	20
Technique of PRA survey	1	12	-	12	4	-	4	16
Market led production	1	12	-	12	3	-	3	15
Importance of Drone in agriculture	2	30	-	30	5	-	5	35
Formation and Management of SHGs	2	24	-	24	8	-	8	32
Formation and Management of F P O	2	30	-	30	10	-	10	40
<b>XI Agro-forestry</b>								
<b>TOTAL</b>	<b>97</b>	<b>1279</b>	<b>321</b>	<b>1600</b>	<b>276</b>	<b>77</b>	<b>353</b>	<b>1953</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	1	17	-	17	3	-	3	20
Bee-keeping	1	20	-	20	-	-	-	20
Seed production	1	20	-	20	2	-	2	22
Production of organic inputs	1	15	-	15	-	-	-	15
Repair and maintenance of farm machinery and implements	1	15	-	15	5	-	5	20
Nursery Management of Horticulture crops	2	28	-	28	4	-	4	32
Value addition	1	-	20	20	-	5	5	25
Sheep and goat rearing	1	10	5	15	5	-	5	20
Poultry production	1	10	5	15	5	-	5	20
Tailoring and Stitching	2	-	40	40	-	5	5	45
Rural Crafts	1	-	15	15	-	5	5	20
<b>TOTAL</b>	<b>13</b>	<b>135</b>	<b>85</b>	<b>220</b>	<b>23</b>	<b>15</b>	<b>38</b>	<b>258</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	1	15	-	15	2	-	2	17
Integrated Pest Management	1	15	-	15	3	-	3	18

Rejuvenation of old orchards	1	15	-	15	-	-	-	15
Care and maintenance of farm machinery and implements	1	20	-	20	5	-	5	25
Management in farm animals	1	20	-	20	-	-	-	20
Women and Child care	1	-	15	15	-	5	5	20
<b>TOTAL</b>	<b>6</b>	<b>85</b>	<b>15</b>	<b>100</b>	<b>10</b>	<b>5</b>	<b>15</b>	<b>115</b>
<b>G. TOTAL</b>	<b>107</b>	<b>1381</b>	<b>421</b>	<b>1802</b>	<b>269</b>	<b>97</b>	<b>366</b>	<b>2168</b>

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### 3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	10	240	35	275	4	2	6	244	37	281
KisanMela	1	850	250	600	30	5	35	880	255	1135
KisanGhoshi	12	510	75	585	10	0	10	520	75	595
Exhibition	6	2200	150	2350	65	10	75	2265	160	2425
Film Show	8	185	15	200	3	2	5	188	17	205
Farmers Seminar	1	55	15	70	6	2	8	61	17	78
Workshop	1	130	20	150	8	3	11	138	23	161
Group meetings	6	135	32	167	0	0	0	135	32	167
Advisory Services	36	9050	156	9206	0	0	0	9050	156	9206
Scientific visit to farmers field	125	480	12	492	0	0	0	480	12	492
Farmers visit to KVK	25	950	77	1027	0	0	0	950	77	1027
Diagnostic visits	60	116	31	147	0	0	0	116	31	147
Exposure visits	2	30	20	50	0	0	0	30	20	50
Ex-trainees Sammelan	2	50	50	100	0	0	0	50	50	100
Soil health Camp	1	500	40	540	2	-	2	502	40	542
Animal Health Camp	4	0	0	0	0	0	0	0	0	750 (animal)
Soil test campaigns	1	200	15	215	0	0	0	200	15	215
Farm Science Club Conveners meet	1	100	25	125	0	0	0	100	25	125
Self Help Group Conveners meetings	2	20	65	85	0	0	0	20	65	85
MahilaMandals Conveners meetings	2	0	75	0	0	10	0	0	85	85
Celebration of important days (specify)	7	180	50	230	25	5	30	205	55	260
KrishiMohostva	1	700	150	850	20	5	25	720	152	872
Swacch Bharat Abiyan	15	223	35	258	0	0	0	223	35	258
KisanSammelan	1	500	100	600	9	4	13	509	104	613
Lectures delivered as resource persons	30	0	0	0	0	0	0	0	0	0

Newspaper coverage	65	0	0	0	0	0	0	0	0	0
Radio talks	5	0	0	0	0	0	0	0	0	0
Popular articles	20	0	0	0	0	0	0	0	0	0
Extension Literature	15	0	0	0	0	0	0	0	0	0
COVID-19 Awareness Programme	4	140	35	175	10	5	15	185	45	230
Awareness Programme about Nutry food & Nutry Thali	6	40	120	160	5	20	25	45	140	185
<b>Total</b>	<b>475</b>	<b>17584</b>	<b>1648</b>	<b>18657</b>	<b>197</b>	<b>73</b>	<b>260</b>	<b>17816</b>	<b>1723</b>	<b>20289</b>

### 3.4 Target for Production and supply of Technological products

#### 3.5 SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
<b>CEREALS</b>	Wheat	K-9533, HD-2967, DBW-187, DBW-252, DBW-222	350.0
	Paddy	Pusa Basmati, NDR-2064, Kala Namak	10.0
<b>OILSEEDS</b>	Mustard	NDR-8501, Giriraj	2.0
	Toriya	Tapeshwari	2.0
<b>PULSES</b>	Pigeon pea	NA-2, IPA-203	4.0
	Lentil	PL-4, PL-8, IPL 316	2.0
<b>Total</b>			<b>370.0</b>

#### PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>FRUITS</b>	Mango	Dasahari	300
		Dasahari-51	50
		Gourjeet	100
		Amrapali	100
		Mallika	100
	Aonla	N-7	200
Chakaiya		200	
N-10		100	
	Lemon	Rangpur Lime	100

		Pant Lemon	200
	Custard apple	Balanagar	100
	Guava	Lalit	200
	Papaya	Madhu, Sinta-1, Mayuri	2000
	Karounda	Gulabi	500
<b>SPICES</b>			
<b>VEGETABLES</b>	Brinjal	PPL-72, PusaKranti, KashiPrakash, KashiTaru	25000
	Chilly	VR-338, KA-2, Kashi Abha, Kshi Gaurav	30000
	Tomato	KashiAmrit, KashiSharad, ArkaRakshak	30000
	Cauliflower	Deepali, KashiKunwari	5000
	Onion	N-53, Nasik Red	125000
<b>FOREST SPECIES</b>			
<b>ORNAMENTAL CROPS</b>			
		<b>Total</b>	<b>215000</b>

#### Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
1	Vermi-compost	Jai Gopal	10	10000.0

#### LIVESTOCK

Sl. No.	Type	Breed	Quantity
			(Nos)
Cattle	Breed improvement	Sahiwal	250
Goat	Breed improvement	Barbari	500
Poultry	Broiler	Karaknath	500

**2.7. Literature to be Develop/Publish**

**(A) KVK News Letter**

Date of start :  
Number of copies to be published : 500

**(B) Literature developed/published**

S.No.	Topic	Number
1	Research paper each scientist	2
2	Technical reports	5
3	News letters	4
4	Training manual all discipline	6
5	Popular article	8
6	Extension literature	15
	<b>Total</b>	<b>40</b>

**(C) Details of Electronic Media to be Produced**

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	CD		5

**3.7. Success stories/Case studies identified for development as a case. -**

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
  - i) Social economic
  - ii) Bio-Physical
- f. Good Action Photographs

**3.8 Indicate the specific training need analysis tools/methodology followed for**

**Practicing Farmers**

- a)
- b)
- c)

**Rural Youth**

- a)
- b)
- c)
- d)

**In-service personnel**

- a)
- b)
- c)

**3.9 Indicate the methodology for identifying OFTs/FLDs**

**For OFT :**

- i) PRA
- ii) Problem identified from Matrix
- iii) Field level observations
- iv) Farmer group discussions
- v) Others if any

**For FLD :**

- i) New variety/technology
- ii) Poor yield at farmers level
- iii) Existing cropping system
- iv) Others if any

**3.10 Field activities**

- i. Name of villages identified/adopted with block name (from which year) -
- ii. No. of farm families selected per village :
- iii. No. of survey/PRA conducted :
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

**3.11. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab:

**1. Year of establishment :**

**2. List of equipments purchase with amount**

Soil Testing Kit	1	86000.00
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**3. Targets of samples for analysis:**

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	600	3000	50	
Water				
Plant				
<b>Total</b>	<b>600</b>	<b>3000</b>	<b>50</b>	

#### 4.0 LINKAGES

##### 4.1 Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1.	Deptt. of Horticulture	Training & supply of fruit plants
2.	Deptt. of Agriculture	Training & supply of inputs
3.	Deptt. of Live stock	Training & Veterinary service
4.	Deptt. of Soil conservation	Training & Advisory
5.	ATMA	Training, Demonstration and Farm school.
6.	GannaKisanSanthan	Training
7.	Private seed companies	Sponsored Training & Demonstration
8.	SAU, FAizabad, Kunpur, Pantnagar	Seed of HYV and New technology
9.	IISR, Lucknow, IIVR, Varanasi, IVRI, Bareilly, IARI, New Delhi.	New technology & seed
10.	H E T C, Basti	Fruit plant
11	JSS, Gonda	Training
12	DPO (ICDS), Gonda	Training
13	UP AGRO- Gonda	Fertilizer & Bio-pesticide & Farm implements
14	CIAE, Bhopal	Training & Implement demons.
15	IFFCO	Training & inputs supply
16	District Science Club	Training

##### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district **Yes**

S. No.	Programme	Nature of linkage
1	Training programme	Training

2	AES (Agro-Ecological situation)	-
3	Front line Demonstration (FLD)	-

#### 4.3 Utilization of hostel facilities

Sl. No.	Programme	No. of days
1	January 2023	2
2	February 2023	3
3	March 2023	2
4	April 2023	2
5	May 2023	2
6	June 2023	3
7	July 2023	4
8	August 2023	2
9	September 2023	3
10	October 2023	5
11	November 2023	4
12	December 2023	2
	<b>Total</b>	<b>34</b>

**6.0 Convergence with departments: Good**

**7.0 Feedback of the farmers about the technologies demonstrated and assessed :**

Technology to be provided according to climate change.

**8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities :**

Latest and proven technology should be provided time to time for KVK scientist for each discipline.

#### Training Programme

##### i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
8-9 March, 2023	PF/FW	Nutrient and water management in summer maize.	2	15	-	15	-	-	-	15
16-17 April, 2023	PF	Natural farming.	2	15	--	15	--	--	--	15
19-20 Aug, 2023	PF/FW	Method of application and importance of sulphur in oilseed crops	2	15	3	18	2	--	2	20



<b>Horticulture</b>										
12-13 Feb., 2023	PF	Deficiency symptoms of micronutrients in fruit plants and its uses.	2	13	--	13	2	--	2	15
10-11 May, 2023	PF	Lay out planning of mango orchard	2	13	--	13	2	--	2	15
09-10 Oct., 2023	PF	Improved production techniques of onion and its seed.	2	12	--	12	3	--	3	15
08-09 Nov., 2023	PF/FW	Integrated nutrient management in Aonla	2	13	--	13	2	--	2	15
<b>Livestock prod.</b>										
12-13 Feb 2023	PF	Vaccination technique in chicks	2	15	2	15	3	--	3	20
22-23 Feb., 2023	PF/FW	Production technique of green fodder round the year.	2	15	3	18	3		3	21
07-08 July 2023	PF/FW	Preparation of balance ration for milch animals.	2	10	5	15	3	2	5	20
14-15 Dec., 2023	PF	Care & management of broiler in winter season.	2	12	--	12	3	--	3	15
<b>Agril. Engg.</b>										
10-11 July 2023	PF	Use of Raised bed planter for sowing of Pigeon pea.	2	12	--	12	3	--	3	15
09-10 Oct. 2023	PF	Care and maintenance of sprayer and duster.	2	12	--	12	3	--	3	15
08-09 Nov. 2023	PF	Use of Super Seeder machine for sowing of wheat	2	13	--	13	2	--	2	15
<b>Home Sc.</b>										
14-15 Feb. 2023	FW	Techniques of preparation of potato Chips and Papar	2	--	20	20	-	2	2 2	22
28-29 May 2023	FW	Preparation of mango product.	2	--	20	20	--	5	5	25
11-12 Nov. 2023	FW	Importance of Nutri sensitive food	2	--	20	20	--	5	5 5	25
<b>Plan prot.</b>										
19-20 January, 2023	PF	Management of Pod Borer in pigeon pea	2	15	--	15	3	--	3	18
13-14 August,	PF	Management of false smut in rice.	2	10	--	10	5	--	5	15

2023										
08-09 Nov., 2023	PF	Management of root rot and wilt complex in chick pea.	2	12	--	12	3	--	3	15
15-16 Dec 2023	PF	Management of leaf blight in mustard	2	13	--	13	2	--	2	15
<b>Agri Extension.</b>										
12-13 Faruary, 2023	PF	Technique of PRA survey.	2	12	--	12	4	--	4	16
04-05 May, 2023	PF	Formation SHGs	2	10	--	10	5	--	5	15
08-09 October., 2023	PF	Market led production technique.	2	12	--	12	3	--	3	15
02-03 Nov.,2023	PF	Importance of Drone in agriculture.	2	12	--	12	2	--	3	15
20-21 Dec 2023	PF	Importance of FPO and process of formation.	2	15	--	15	5	--	5	20

**i) Farmers & Farm women (Off Campus)**

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
20-22 Jan.,-2023	PF	Method of application of fertilizer & bio-fertilizer in Sugarcane	2	15	--	15	3	--	3	18
15-16 Feb. 2023	PF	Sowing of Urd and Moong as inter cropping in sugarcane	2	15	--	15	--	--	--	15
13-14 April-2023	PF	Techniques of soil sampling collection and Importance of soil health	2	16	4	20	3	2	5	25
28-29 June, 2023	PF/FW	Use of bio-fertilizer in pulse crops	2	15	--	15	2	--	2	17
22-23 July, 2023	PF	Brawn manuring in rice	2	17	--	17	3	--	3	20
15-16 Sep., 2023	PF	Crop rotation for sustainable agriculture	2	18	--	18	2	--	2	20
09-10 Oct., 2023	PF/FW	Nutrient management in oilseed crops.	2	15	--	15	2	1	3	18
5-6 Nov., 2023	PF	Natural farming.	2	14	--	14	2	--	2	16
29-30 Nov., 2023	PF	Raised bed sowing of wheat under late condition.	2	18	--	18	2	--	4	20
<b>Horticulture</b>										

07-08 Feb.2023	PF/FW	Production techniques of tuber crops.	2	18	2	20	3	2	5	25
09-10 April 2023	PF	Integrated nutrient management in banana	2	18	2	20	2	--	2	22
05-06 May, 2023	PF	Post harvest management of turmeric	2	16	2	18	2	--	2	22
08-09 July, 2023	PF/PW	Management of potted ornamental plants	2	15	3	18	2	3	5	23
26-27 Aug. 2023	,PF	Nursery management of vegetable Crops.	2	15	2	17	3	--	3	20
18-19 Sep. 2023	PF	Nutrient management in mango.	2	15	--	15	--	--	--	15
15-16 Oct. 2023	PF/FW	Seed production technique of spices crop.	2	15	5	20	5	1	6	25
14-15 Nov., 2023	PF/FW	Nursery management off seasonal vegetable.	2	15	3	18	2	--	2	20

### Live Stock Production.

02-03 Feb.,2023	PF/FW	Fodder management of dairy animals for summer season	2	10	3	13	8	2	10	23
12-13 April, 2023	PF/FW	Techniques of clean milk prod. in milch animals	2	14	5	19	6	--	6	25
08-09 May,2023	PF	Use and importance of mineral mixture in dairy animals.	2	15	--	15	5	--	5	20
14-15 June, 2023	PF	Symptoms and preventive measures for major diseases (HS, FMD, BQ) in animals.	2	15	--	15	5	--	5	20
25-26 Aug., 2023	PF/FW	Control of ecto-endo parasites in dairy animals	2	15	5	20	5	--	5	25
17-18 Sep., 2023	PF/FW	Deworming in goats	2	10	5	15	3	2	5	20
13-14 Oct., 2023	PF	Care and management of backyard poultry	2	15	--	15	5	5	5	25
04-05 Dec., 2023	PF	Care and management of newly born calf.	2	15	--	15	5	--	5	20

### Agril. Engg.

05-06 Jan. 2023	PF	Use of rotary mulcher for mulching in sugarcane crop.	2	10	2	12	3	--	3	15
14-15 Feb. 2023	PF	Care maintenance of Diesel engine pump-	2	15	--	15	5	--	5	20

		set.								
23-24 March 2023	PF	Care & maintenance of power thresher.	2	20	--	20	5	--	5	25
12-13 April 2023	PF	Repair and Maintenance of rotavator.	2	12	5	17	3	--	3	20
09-10 May, 2023	PF	Technique of deep ploughing in summer	2	15	5	20	5	--	5	25
16-17 June, 2023	PF	Use of paddy drum seeder for direct seeding of rice.	2	15	-	15	5	-	5	20
12-13 Aug., 2023	PF	Repair & maintenance of Tractor	2	12	--	12	3	--	3	15
13-14 Sep., 2023	PF / FW	Proper handling care & maintenance of small farm tools and implements	2	15	5	20	5	5	10	30
06-07 Dec., 2023	PF	Use of Super seeder machine for sowing of wheat.	2	15	--	15	5	--	5	20
25-26 Dec., 2023	PF	Use of sprinkler irrigation in pulse crops	2	15	--	15	5	--	5	20
<b>Home Sci.</b>										
22-23 Jan.-2023	FW	Techniques of preparation of mixed vegetable pickles.	2	--	20	20	--	5	5	25
08-09 March 2023	FW	Preservation of green leaf vegetables (Methi, Coriander, Pudeena )	2	--	20	20	--	5	5	25
15-16 April-2023	FW	Safe storage of food grain	2	--	20	20	--	5	5	25
15-16 June, 2023	FW	Proper methods of cooking for save the fuel and nutrient in food	2	--	15	15	--	5	5	20
12-13 July, 2023	FW	Importance of fortified variety of cereal & vegetable crops.	2	-	20	20	-	5	5	25
17-18 Aug., 2023	FW	Importance of Nutrifood & NutriThali.	2	--	20	20	--	5	5	25
08-09 Sep., 2023	FW	Lay out of nutritional garden.	2	--	20	20	--	5	5	25
17-18 Oct., 2023	FW	Use of hand maize sheller for removing grain from maize cob.	2	--	20	20	--	5	5	25
12-13 Dec., 2023	FW	Techniques of preparation of Aonla product.	2	--	20	20	--	5	5	25
<b>Plant Protection</b>										
07-08 Feb. 2023	PF	Management of red pumpkin beetle in cucurbitaceous crop	2	18	--	18	2	--	2	20
14-15 Feb. 2023	PF	Management of fruit borer in brinjal	2	16	--	16	4	--	4	20
17-18 April-2023	PF	Management of store grain pest	2	20	--	20	5	--	5	25
17-18 May, 2023	PF	Production of organic inputs	2	18	--	18	2	--	2	20
13-14 Aug., 2023	PF	Management of sheath blight in paddy	2	19	--	19	3	--	3	22

11-12 Sep., 2023	PF	Production of trichoderma on FYM/Vermi Compost	2	20	--	20	5	--	5	25
07 -08 Nov., 2023	PF	Vermi Compost production	2	20	--	20	5	--	5	25
14-15 Dec., 2023	PF	Management of late blight in potato	2	15	--	15	5	--	5	20
<b>Agri Extension.</b>										
12-13 February, 2023	PF/FW	Importance of Swchhata.	2	10	--	10	10	--	10	20
04-05 April, 2023	PF	Importance of PM Fasal Beema Yojana & its process.	2	10	--	10	5	--	5	15
08-09 June, 2023	PF	Importance of SHGs..	2	12	--	12	5	--	5	17
12-13 Sep., 2023	PF	Importance of FPO and process of formation.	2	15	--	15	5	--	5	20
05-06 October,2023	PF	Importance of natural farming.	2	15	--	15	5	--	5	20
22-23 Nov.,2023	PF	Importance of Drone in agriculture.	2	18	--	18	2	--	2	20

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**ii) Vocational training programmes for Rural Youth**

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
<b>Agromony</b>											
Pulses	Seed production	Seed production techniques of wheat	Oct.	7	20	--	20	5		5	25
<b>Horticulture</b>											
Horticulture crops	Nursery management of Horticultural crops	Propagation and production technique of Horticultural crops	July	15	13	--	13	2	--	2	15
Horticulture crops	Nursery management of Horticultural crops	Plant propagation through cutting of ornamental plants	Jan.	7	13	-	13	2	-	2	15

<b>Animal Science</b>											
Goatary	Employment generation through goatery	Scientific goat rearing	Aug.	7	15	5	20	5	--	5	25
Poultry production	Income generation through Backyard poultry	Backyard poultry farming	Feb.	7	15	5	20	5	--	5	25
<b>Home Science On Campus/ Off Campus</b>											
Tailoring	Employment generation for rural women	Tailoring & stitching	Sept.	30 days	--	20	20	--	5	5	25
RW	Rural craft	Technique of preparation of craft through available waste material	Jan.	7	--	15	15	--	5	5	20
RW	Value addition	Technique of preparation of different product from Pulses.	Feb.	5	--	20	20	--	5	5	25
<b>Plant Protection</b>											
Mushroom Production	Production of Mushroom	Mushroom cultivation technique	Oct.	15	10	2	12	2	1	3	15
Bee keeping	Production of Honey	Technique of bee keeping	Nov.	8	15	-	15	-	-	-	15
Organic inputs	Organic inputs	Preparation of organic inputs	Jan,	8	10	5	15	2	2	4	19
<b>Agricultural Engineering</b>											
Diesel Engine	Repair the defective partsof engine pump set	Diesel Engine pumpset mechanic training programme	Nov.	30	15	--	15	5	--	5	20
<b>Agricultural Extension</b>											
SHG	SHG Formation	Formation and management of SHGs	May	5	12	3	15	3	2	5	20
FPO	FPO formation	Formation of FPO	June	5	15	5	20	2	--	2	22

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**ii) Training programme for extension functionaries**

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total	
				M	F	T	M	F	T		
<b>On Campus</b>											
<b>Crop production</b>											
07-08 Nov., 2023	EP	Seed production Technique of Rabi pulses	2	15	--	15	2	-	2	17	
<b>Horticulture</b>											
24-25 Oct., 2023	EP	Cultivation of flower	2	15	--	15	-	-	-	15	
<b>Animal Science</b>											
16-17 Sep., 2023	EP	Making of ration from locally available materials for milch animal.	2	20	--	20	-	-	-	20	

<b>Home Science</b>										
05-06 Aug., 2023	EP	Importance of Nutri Food & NutriThali	2	--	15	15	-	5	5	20
<b>Plant Protection</b>										
15-16 Nov., 2023	EP	Preparation of organic inputs	2	15	--	15	3	-	3	18
<b>Agril. Engg.</b>										
22-23 Nov., 2023	EP	Use of improved implement for saving of time and cost.	2	20	--	20	5	-	5	25
<b>2Agricultural Extension</b>										
15-16 June, 2023	EP	Natural farming	2	15	5	20	5	5	10	30

**iv) Sponsored programme**

Discipline	Sponsoring agency	Clientel e	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
<b>Sponsored training programme</b>											
<b>Agronomy</b>	Deptt. Agril.	PF/R/EF	Integrated weed management in paddy	2	60	15	75	15	20	35	110
	ATMA	"	Seed production technique of wheat	2	75	10	85	22	15	37	122
	Deptt. Agril.	"	use of Bio-fertilizer in rabi pulse crop	2	80	10	90	30	20	50	140
	Deptt. Sugarcane	"	Nutrient management in Sugarcane	2	50	8	58	20	15	35	93
<b>Horticulture</b>	Deptt. Hort	EP/PF/R/EF	Post harvest management of Turmeric	2	18	0	18	2	0	2	20
	Deptt. Hort	PF	Production technique & nursery management of marigold	2	40	0	40	10	0	10	50
	JSS/	EP/PF/R/EF	Rejuvenation of old orchard	2	20	0	20	2	0	2	22
			Layout of orchard	1	30	5	35	-0	0	0	35
	Deptt. Hort.	EP/PF/R/EF	Intercultural crop production in Horticultural Field	1	22	0	22	5	0	5	27
	Deptt. Hort.	EP/PF/R/EF	Production technique of Hybrid vegetable crops	1	20	0	20	5	0	5	25
<b>Animal Science</b>	A.H Deptt.	PF	Scientific pig farming	1	0	0	0	20	0	20	20
	ATMA	PF	Management of buffaloes for higher milk production.	1	15	0	15	5	0	5	20
<b>Home Science</b>	AW	PFM	Preparation and importance of nutrition Thali.	1	0	20	20	0	5	5	25
	ATMA	PFW	Kitchen gardening	1	0	20	20	0	5	5	25
<b>Agril.</b>	JSS	PF	Engine pumpset mechanic	1	20	0	20	5	0	5	25

<b>Engg.</b>	Soil Conservation	PF	Soil & water conservation measures	1	20	0	20	5	0	5	25
	ATMA	PF	Care & maintenance of farm tools & implements	1	20	0	20	5	0	5	25
<b>Plant Protection</b>	Agriculture	PF	Integrated pest management in rabi pulses	1	20	0	20	5	0	5	25
	JSS	PF	Bee keeping	1	30	0	30	5	0	5	35
	Hort.	PF	management of Insect pest in orchard crop	2	45	0	45	5	0	5	50
	Hort	PF	management of Disease in mango/Guava	2	45	0	45	5	0	5	50
			<b>Total</b>	<b>30</b>	<b>630</b>	<b>88</b>	<b>718</b>	<b>171</b>	<b>80</b>	<b>251</b>	<b>969</b>
<b>Any special programmes</b>											
	PPV&FRA	PF/PFW	Protection of traditional crop and varieties	2	125	30	155	35	5	40	195
			<b>Total</b>	<b>2</b>	<b>125</b>	<b>30</b>	<b>155</b>	<b>35</b>	<b>5</b>	<b>40</b>	<b>195</b>
<b>Grand Total</b>				<b>32</b>	<b>755</b>	<b>118</b>	<b>873</b>	<b>206</b>	<b>85</b>	<b>291</b>	<b>1164</b>

#### Action Plan for the CFLD 2023-2024

Sl.No.	Name of Crop	Area(ha.)	No. of farmers
1.	<b>Kharif</b> Pigeon Pea	20.0	50
2.	<b>Rabi</b> Field Pea	10.0	25
	Lentil	20.0	50
	Toriya	30.0	75
	Mustard	30.0	75
	3.	<b>Zaid</b> Moong	20.0
	<b>Total</b>	130	325



## ACTION PLAN

### **KVK: GORAKHPUR-II**

(Jan, 2023 to Dec, 2023)

#### 1. GENERAL INFORMATION ABOUT THE KVK

##### 1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E-mail	Website
	Office	Fax		
MahayogiGorakhnath Krishi Vigyan Kendra, Chauk Mafi (Pepeganj), JangalKaudia, Gorakhpur, (U.P.)	0551- 2255453 2255454	0551- 2255455	gorakhpurkvk2@gmail.com	www.mgkvk.in

##### 1.2 .a. Name and address of host organization with phone, fax and e-mail

Address	Telephone		E-mail
	Office	FAX	
Guru GorakshnathSewaSanthan, Sri Gorakhnath Mandir, Gorakhpur	0551-2255453, 54	0551-2255455	<a href="mailto:gorakhpurkvk2@gmail.com">gorakhpurkvk2@gmail.com</a>

1.2.b. Status of KVK website: Yes

1.2.c. No. of Visitors (Hits) to your KVK website (as on today):





1.2.d Status of ICT lab at your KVK: Nil







##### 1.3. Name of Sr. Scientist and Head with phone & mobile No




Name	Telephone / Contact		
	Residence	Mobile	E-mail
Dr. Vivek Pratap Singh	MGKVK	9415745095 7651922058	<a href="mailto:gorakhpurkvk2@gmail.com">gorakhpurkvk2@gmail.com</a>

1.4. Year of sanction: 2016

**1.5. Staff Position (As on 31<sup>st</sup> Aug 2022)**

Sl. No.	Sanctioned Post	Name of the Incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present Basic Pay	Date of Joining	Permanent / Temporary	Cat.	Mobile	E-mail	Photo
1.	In charge Senior Scientist cum Head	Dr. Vivek Pratap Singh	SMS	Animal Science	15600-39100	5400	22950	31.07.2017	Temporary	GEN	9415745095	vpslpm@gmail.com	
2.	SMS	Dr. Ajit Kumar Srivastava	SMS	Horticulture	15600-39100	5400	22950	01.08.2017	Temporary	GEN	8787264166	ajiticar@gmail.com	
3.	SMS	Mr. Avanish Kumar Singh	SMS	Agronomy	15600-39100	5400	22950	01.08.2017	Temporary	GEN	9792099943	avanishsinghcar@gmail.com	
4.	SMS	Mr. Sandeep Prakash Upadhyay	SMS	Soil Science	15600-39100	5400	22950	01.08.2017	Temporary	GEN	9690475529	sandeepupadhyay383@gmail.com	

5.	SMS	Mrs. Shweta Singh	SMS	Home Science	15600-39100	5400	21000	18.01.2021	Temporary	GEN	9453158193	shweta429@gmail.com	
6.	Programme Assistant (Computer)	Gaurav Kumar Singh	Programme Assistant	Computer	9300-34800	4200	38700	14.08.2017	Temporary	GEN	9838674999	vishengaurav@gmail.com	
7.	Programme Assistant (Lab. Tech.)	Jitendra Kumar Singh	Programme Assistant	Lab. Technician	9300-34800	4200	37600	14.08.2018	Temporary	GEN	9956912021	<a href="mailto:jitendra.s273158@gmail.com">jitendra.s273158@gmail.com</a>	
8.	Farm Manager	Ashish Kumar Singh	Programme Assistant	Farm Manager	9300-34800	4200	37600	14.08.2018	Temporary	GEN	7752941868	<a href="mailto:ashishksingh1994@gmail.com">ashishksingh1994@gmail.com</a>	
9.	Assistant	Shubham Pandey	Assistant	Assistant	9300-34800	4200	37600	14.08.2018	Temporary	GEN	7752941868	luckywatson123@gmail.com	
10.	Driver-cum-Mechanic	Sanjay Kumar Yadav	Driver-cum-Mechanic	Driver	5200-20200	2000	23100	14.08.2018	Temporary	OBC	9415853387	sanjayyadavmgkvk@gmail.com	

11.	Driver-cum-Mechanic	Dinesh Rao	Driver-cum-Mechanic	Driver	5200-20200	2000	23100	14.08.2018	Temporary	OBC	9695713464	dineshgkp1991@gmail.com	
12.	Supporting staff Grade-I	Jai Prakash Singh	Supporting Staff Grade-I	Skilled Supporting Staff	5200-20200	1800	19100	14.08.2018	Temporary	GEN	8545003001	<a href="mailto:jaiprakashsingh1005@gmail.com">jaiprakashsingh1005@gmail.com</a>	
13.	Supporting staff Grade-I	Abhimanyu Kumar Verma	Supporting Staff Grade-I	Skilled Supporting Staff	5200-20200	1800	19100	14.08.2018	Temporary	OBC	9918989802	<a href="mailto:abhimanyuverma0808@gmail.com">abhimanyuverma0808@gmail.com</a>	

**1.6. Total land with KVK (in ha): 20.056 ha**

S. No.	Item	Area (ha)
1	Under Buildings	550 sqm. (0.055 ha)
2.	Under Demonstration Units	1.0
3.	Under Crops	12
4.	Orchard/Agro-forestry	2
5.	Others (specify)	5
<b>Total</b>		<b>20.055 ha</b>

**1.7. Infrastructural Development: to be developed**

**A) Buildings**

S N	Name of building	Source of funding	Stage						Require d New	Need s reno vatio n
			Complete			Incomplete				
			Completi on Date	Plinth area (Sq.m)	Expenditur e (Lakh)	Startin g Date	Plint h area (Sq. m)	Status of constructi on		
1.	Administrative Building	ICAR	02-03-2019	550	144.09			Completed		
2.	Farmers Hostel	ICAR	02-0-2019	305	66.41			Completed		
3.	Staff Quarters(Type I & IV)	ICAR	02-03-2019	107.5	61.52			Type I & IV Completed		
4.	Boundry Wall	ICAR	Jan 2019	100 meter	14.33		14.33	Completed		
5.	Threshing floor	RKVY		600	13.2	Dec 2020	13.2	Completed		
6.	Under ground Irrigation channel	RKVY		3000meter	10.0	July 2020	30.0	Completed		
7.	Integrated Farming System	RKVY			12.0	Oct. 2020	25.0	Completed		
8.	Bee Keeping	RKVY		22.29	9.00	Oct 2020	22.297	Completed		
9.	Fish Pond	RKVY		0.2 ha	2.5	March 2021	5.0	Completed		
10.	Boundry Wall	RKVY		3300meter	250.0	Nov 2019	264.0	Completed		

11.	CC Road	RKVY		600 Meter	13.2	March 2021	13.2	Completed		
12.	Farmers Hostel cum Training Hall	RKVY		400	55.0	Oct 2020	77.0	Completed		
13.	Entrance Gate	RKVY			0.5	March 2021	2.2	Completed		
14.	Implement Shade	RKVY		260	-	March 2021	6.0	Completed		
15.	Solar Energy Supply 5KVA	RKVY	2020	-	5.0		5.0	Completed		
16.	Solar Street Light	RKVY		-	-		5.0	Completed		
17.	Establish ment of Solar Pump 5 HP	RKVY	2020	-	8.0		8.0	Completed		
18.	Sprinkler System	RKVY		8 ha	-		5.0	Completed		
19.	Leveling, Bunding	RKVY		20.0	2.0	May 2020	12.0	Completed		
20.	Poly house Net house, Green House & Permanent Nursery Bed	RKVY	2020	-	34.8	-	35.0	Completed		
21.	Mini Mother Orchard	RKVY	2020	-	0.5		0.5	Completed		
22.	Mini Seed Processing Plant	RKVY		-	30.0	-	40.0	Completed		
23.	Azola / BGA	RKVY		-	-	March 2021	0.5	Completed		
24.	Scientific Museum	RKVY			-	-	2.0	Completed		

25.	Mushroom Unit with processing facility	RKVY		44.6	-	Oct 2020	20.0	Completed		
26.	Hydroponic Unit	RKVY	March 2020	144	14.8		15.0	Completed		

**B) Vehicles (As on 31<sup>st</sup> Aug, 2022)**

Type of vehicle	Year of purchase	Cost (Rs. Lakh)	Total kms Run	Present status	Required replacement
Tractor (UP-53 CL-5201)	2017	9.55	2248 (Hour)	Good Condition	-
Jeep (Mahindra Bolero) UP53 AG 1220	2019	6.50981	71200	Good Condition	-

**C) Equipment's & AV aids: to be purchase**

Name of the equipment	Year of purchase	Cost (Rs)	Present status	Required replacement
Multi-Functional (HP)	2020		Good	
LCD Multimedia Projector	2020		Good	
Tractor Trolley	2017	2.55	Good	
Power Sprayer	2020	-	Good	
Zero-till seed drill-ferti Machine	2020	-	Good	
Raised Bed Planter	2020	-	Good	
Soil Testing Machine	2017	2,02,960	Good	

**1.8) Details of SAC meetings to be conducted in the year**

SN	Meeting	Date
1.	Scientific Advisory Committee	26.03.2021

**2. DETAILS OF DISTRICT**

**2.1 Major farming systems/enterprises (based on the analysis made by the KVK)**

S. No	Farming system/enterprise
1.	Crop Production + Livestock

2.	Crop Production + Poultry
3.	Crop Production + Fisheries
4.	Crop Production + Vegetable Production

## 2.2 Description of agro-ecological situations (based on soil and topography)

Gorakhpur falls under north eastern plain zone. It comes under terai area.

### a) Soil types

S. No	Agro-ecological situation	Characteristics	Area (ha)
1.	AES-1	Soil Type-Sandy loam	160952
2.	AES-2	Soil Type-Silty loam, Khadar Soil	121714
3.	AES-3	Soil Type-Clay Loam	52651

### b) Topography

S. No	Agro ecological situation	Characteristics
1.	AES-1 (Sandy loam)	Poor water holding capacity
2.	AES-2 (Silty loam, Khadar Soil)	Medium water holding capacity
3.	AES-3 (Clay Loam)	Good water holding capacity

## 2.4. Area, Production and Productivity of major crops cultivated in the district (2019-20)

S. No	Crop	Area (thousandha)	Production (thousandton)	Productivity (Qtl /ha)
<b>A</b>	<b>FIELD CROPS INCLUDING OIL SEEDS AND PULSES</b>			
1.	Paddy	152497	202895	15.26
2.	Maize	3299	4281	12.98
3.	Jowar	27	37	13.70
4.	Bajra	369	-617	16.72
5.	Arhar	8659	4978	5.75
6.	Urd	24	09	3.73
7.	Moong	02	01	2.77
8.	Ground Nut	2547	1508	5.92
9.	Til	75	12	1.62
10.	Wheat	190499	448884	23.89
11.	Barley	708	1388	19.60
12.	Gram	668	544	8.15
13.	Pea	2766	3587	12.97
14.	Lentil	2275	2067	9.08
15.	Mustard	3492	2373	6.80



16.	Linseed	47	02	4.20
17.	Sugarcane	3955	209034	528.53
<b>B</b>	<b>FRUITS</b>			
1.	Banana	6600	264000	40.00
2.	Mango	5500	38500	07.00
3.	Guava	1550	15500	10.00
4.	Litchi	200	13000	06.50
5.	Jamun	100	500	05.00
6.	Papaya	50	500	10.00
7.	Jackfruit	40	360	09.00
8.	Citrus	20	160	08.00
<b>C</b>	<b>VEGETABLES</b>			
1.	Potato	5000	125490	250.90

### 2.5 Weather Data (Jan – Dec, 2020 ):

Month	Rainfall (mm)	Temperature( <sup>0</sup> C)		Humidity (%)	
		Max	Min	Max	Min
January		24	8	92	32
February		29	8	96	27
March		32	14	93	13
April		37	16	83	10
May		42	20	87	10
June		37	24	96	42
July		35	25	97	59
August		35	26	93	55
September		35	25	93	49
October		35	16	94	22
November		31	11	88	25
December		27	6	100	25

## 2.6. Production and productivity of livestock, Poultry, Fisheries etc in the district (2012)

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	288765		
<i>Indigenous</i>	186160		
<b>Buffalo</b>	279122		
<b>Sheep</b>			
<i>Crossbred</i>	234		
<i>Indigenous</i>	7660		
<b>Goats</b>	<b>196224</b>		
<b>Pigs</b>			
<i>Crossbred</i>	2864		
<i>Indigenous</i>	15168		
<b>Rabbits</b>	-		
<b>Poultry</b>			
Hens (Desi)	682246		
<i>Cock (Desi)</i>			
<i>Improved</i>			

Category	Area	Production	Productivity
Fish	1 Acre	700 kg	

## 2.7 Details of Operational Area / Villages

SN	Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified
1.	Campierganj	Jungle Kaudia	Nayagaon, Sihorawa	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Bitter Gourd, Cucumber, Pumpkin, Ridge Gourd & Cattle	Low Yield, Anestrus and malnutrition in animal, weed infestation, pod-borer in pea, chick pea, Pigeon pea, soil erosion
2.	Campierganj	Campierganj	Atkawa, Mithouri, Kalyanpur, Rakhukhor, Alamchak, Dharampur, Bistauli	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Cucumber, Pumpkin, Banana, Mango	Introduction of HYV, Integrated Nutrient Management, Integrated Disease Management, less use of organic manure

3.	Sadar	Bhathat	Sishare	Gram, Potato, Tomato, Bottle Gourd, Cucumber, Pumpkin	Integrated Disease Management, Resource Conservation Technology, Integrated Weed Management, Seed production technology
4.	Sahjanwa	Pali	Urwa, Bhaksa, Musthafabad, Pali, Ramukhor, Baundra	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Ridge Gourd, Banana, Mango, Cattle	Introduction of HYV, integrated disease/pest management, integrated nutrient management, less use of bio-fertilizer
5.	Sadar	Chargawan	Bisunpur, Jangalaurahi	Wheat, Arhar, Mustard, Gram, Potato, Tomato, Bottle Gourd, Cucumber, Pumpkin, Ridge Gourd, Banana, Mango	Integrated Nutrient Management, Integrated Pest Management, Maintenance of Old Orchard, less use of bio-fertilizer
6.	Sadar	Pipraich		Arhar, Mustard, Gram, Potato, Tomato, Bottle Gourd, Cucumber, Pumpkin, Ridge Gourd, Banana, Mango, Buffalo	Kitchen gardening for production of nutritional food by women farmers, less use of organic manure
7.	Chauri Chaura	Sadar Nagar	Rampur Rakwa	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Bottle Gourd, Cucumber, Pumpkin, Ridge Gourd, Banana, Mango, Cow	Raising productivity of livestock by upgrading the genetic potential by artificial insemination and use of mineral mixture, proper feeding and management
8.	Sadar	Khorabar		Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, tree plantation, Mango, goat	Post-Harvest management of food grain seed, fruits, vegetables, milk and milk products, less use of organic manure

9	Sahjanwa	Sahjanwa		Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Pumpkin, Ridge Gourd, Banana, Mango, Buffalo, cow	Raising productivity of livestock by upgrading the genetic potential by artificial insemination, disease and parasitic control, proper feeding and management, less use of organic manure
10	Campierganj	Bharohiya	Chauk Mafi, Badhyachouk, Madaha, Rajabari, Ranadih, Majhauna, Pachgawan	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Pumpkin, Ridge Gourd, Banana, Mango, Buffalo, cow	Raising productivity of livestock by upgrading the genetic potential by artificial insemination, disease and parasitic control, proper feeding and management, less use of organic manure

#### Priority Thrust Areas:

SN	Crop/Enterprise	Thrust area
1	Crop Production	Production Technology for kharif, rabi and zaidcrop.Improved Production Technology through mechanization
2	RCT	Promotion of resource conservation technology
3	Entrepreneurship	Entrepreneurship development in rural youth
4	Drudgery reduction	Drudgery reductiontechnology and Drudgery reducing farm implements among farm women
5	Horticultural crops	Promotion of high value horticultural crop, Quality seed/planting material production
6	Live stock	Raising productivity of livestock, upgrading genetic potential through artificial insemination, use of mineral mixture, disease and parasitic control, proper feeding and management
7	Organic inputs production	NADEP and Vermi-composting
8	IPM	Promotion of Integrated Pest Management strategies for safe food production and environment protection
9	INM	Promotion of site specific nutrient management through INM for sustainable soil health
11	Kitchen Gardening	Nutritional security through kitchen gardening

### 3. TECHNICAL PROGRAMME

#### 3. A. Details of targeted mandatory activities by KVK during Jan-Dec 2023

OFT (1)		FLD (2)	
No. of OFTs	No. of Farmers	Area(ha)	Number of farmers
09	45	33	230

Training (3)		Extension Activities (4)	
No. of Courses	No. of Participants	No. of activities	No. of participants
58	1060	1030	7565

Seed Production (Qtl.) (5)	Planting material (Nos.) (6)	Fish seed prod.(nos) (7)	Soil Samples analyze/No. of Cards (8)
313	20000	-	152/1500

Development of Soil Health Cards(Nos) (9)	Quality seed distributed (q) (10)	No of saplings distributed (11)	No of fingelings distributed (Nos) (12)	No of livestock & poultry strains distributed (Nos) (13)
1500	-	-	-	-

#### 3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Ext. activ ities	Supp ly of seeds , plant ing mate rials etc.

1.	Nutrient management	Tomato	Low yield of tomato due to no use of micronutrient fertilizer	Assessment of micronutrient boron and zinc on tomato for quality produce and yield maximization.		- INM in vegetable crops and use of biofertilizer.	-	-	ZnSO <sub>4</sub> + Borax
2.	Varietal evaluation	Okra	Low yield of okra Lack of awareness about diseases resistant varieties	Assessment of yield performance of YVMV resistant Okra variety.					Seed
3.	Varietal evaluation	Paddy	Low yield of paddy  Lack of awareness about recommended Package of practices	Assessment of newly released paddy variety Pusa Sambha 1850.	Promotion of High Yielding variety of Paddy (MTU 7029 var. and Sambha Sub 1)	-Direct seeded Rice (DSR). -Techniques of rice cultivation SRI method. - Integrated Pest and Disease management in Paddy. - Integrated Weed Management in Paddy.			Seed
4.	Varietal evaluation	Wheat	Low yield of wheat  Lack of awareness about recommended Package of practices	Assessment of newly released wheat variety HD 3249.	Promotion of High Yielding variety of Wheat (DBW 187)	- Seed Production Technology of Wheat. - Integrated Weed Management in Paddy	- Production Technique of Rabi crops (Agron)	-	Seed

5.	Integrated Nutrient Management and Soil Health	Wheat	Low yield of wheat Lack of awareness about Natural farming	Promotion of jeevamritkhad for higher production of wheat.	Assessment of bio fertilizer on productivity of wheat.	-INM in wheat for higher production & returns. - INM in wheat. - Introduction to Natural farming	-	-	Zinc + Azotobacter, Drum; jegger, etc for jeevamrit preparation.
6.	Varietal evaluation	Brinjal	Low yield in Brinjal due to use of unidentified variety	Assessment of yield performance of Hybrid Brinjal.		Use of drip irrigation for efficient use of water in Brinjal crop for higher monetary returns		-	Seed/seedling of Hybrid Brinjal variety (Kashi Sandesh/Kashi Komal)
7.	Promotion of Marigold	Marigold	Lack of awareness of flower farming. Low yield in Marigold due to use of unidentified variety		Promotion of Pusa narangi marigold flower crop.	Scientific cultivation of marigold for income generation	Scientific cultivation of Marigold crop		Seedling
8.	Productivity enhancement	Sorghum	Low Yield due to local variety		Promotion of high yielding fodder variety of Sorghum.	- Green fodder production technology	-	-	Seed and Biofertilizer

9.	Productivity enhancement	Berseem	Low Yield due to local variety		Establishment of production potential through HYV fodder variety	- Green fodder production technology	-		Seed
10.	Integrated nutrient management	Bitter Gourd	Low yield of bitter gourd due to no use of integrated nutrient management		Promotion of use of biofertilizer in bitter gourd for yield maximization.	-	-	1	<i>Azotobacter</i> Biofertilizer
11.	Nutritional security	Poshak laddoo	-Nutrient deficiency in children.	Assessment of Poshak-Ladoo to improve health of school going children.		- Preparation of low cost diet for child. - Nutritional upliftment by low cost locally available less familiar food			Poshak laddoo
12.	Disease management	Livestock (Cow)	Repeat breeding in cross breed cow due to micro nutrient deficiency and infestation of endo parasites.	Feeding of Mineral Mixture, Herbal drug and deworming at proper time to regulate normal fertility		-Important diseases of cattle and their control measures. -Vaccination schedule for livestock.			Fertisule bolus (Herbal drug), Mineral mixture and Albendazole.
13.	Nutrient management	Livestock (Poultry)	Less body growth due to unavailability of balance feed.	Assessment of the effect of supplementation of Moringa oleifera leaf powder on growth performance of poultry (Adult).					Moringa leaf powder
14.	Integrated crop	Chilli	Less productivity	-	Promotion of Plant growth	- Cultivation of spices in	-	-	Plant growth



	management (ICM)		due to flower drop in chilli.		hormones NAA (Planofix) in chilli crop.	Gorakhpur district for higher monetary returns			hormones NAA (Planofix)
15.	Nutritional security	Nutritional garden	Low nutritional status	-	Promotion of nutritional security through nutrition garden development.	- Production of seasonal vegetables to enhance health status.	-	-	Seeds, saplings & Plants

### 3.1 Technologies to be assessed and refined

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	Other	TOTAL
Varietal Evaluation	2				2						4
Integrated Nutrient Management	1				1						2
Value addition										1	1
<b>TOTAL</b>	<b>3</b>				<b>3</b>						<b>7</b>

#### A.2. Abstract on the number of technologies to be refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL

#### A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormiculture	Fisheries	TOTAL
Nutrition Management	-	1	-	-	-	-	-	1
Disease of Management	1	-	-	-	-	-	-	1
<b>TOTAL</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>

#### A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

### 3.1 Details of ON FARM TRIALS (Based on soil test analysis)

#### OFT-1 (SS)

Particulars	Contents
<b>Title</b>	Assessment of micronutrient boron and zinc on tomato for quality produce and yield maximization.
<b>Problem diagnosed</b>	Low yield of tomato due to no use of micronutrient fertilizer
<b>Micro farming situation</b>	Sandy loam, imbalance use of fertilizer, low productivity, irrigated
<b>Details of technology identified for solution</b>	T1-Farmers practice (imbalanced fertilizer and no use of bio-fertilizer) T2-120:80:50::N:P:K kg/ha (Farmers share) + 25 Kg/ha ZnSo4 + 10 Kg/ha Borax
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Area</b>	10000 sqm
<b>Critical inputs</b>	ZnSO4 + Borax
<b>Production system</b>	Rice-wheat-vegetables
<b>Source of technology</b>	IIVR, Varanasi
<b>Total Cost</b>	Rs. 5000/- (Approx.)
<b>Observation to be recorded</b>	Plant height, Days to first flowering, Days to first fruit, No. of fruits/plant, yield, % increase in yield and B C ratio
<b>Reaction of the farmers</b>	Acceptability of technology among farmers Compatibility in the existing cropping system

#### OFT-2 (SS)

Particulars	Contents
<b>Title</b>	Assessment of jeevamritkhad on production and soil health in rice- wheat cropping system.
<b>Problem diagnosed</b>	Use of high cost of chemical fertilizer
<b>Possible Solution</b>	Use of Jivamritkhaad
<b>Micro farming situation</b>	Sandy loam, low water holding capacity, imbalance use of fertilizer, tube well, low productivity
<b>Details of technology identified for solution</b>	T <sub>1</sub> - Farmer Practice (farmer's having use of Chemical fertilizer) T <sub>2</sub> -Application of Jivamritkhad @ 200 ltr per acre with irrigation.
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Critical inputs</b>	200 Ltr. Drum with 2Kg Gud and 1 Kg besan @per farmer
<b>Production system and thematic area</b>	Paddy – wheatcropping system.

<b>Source of technology</b>	ZBNF
<b>Total Cost</b>	Rs. 8000/- (Approx.)
<b>Observation to be recorded</b>	Yield and economics, Soil organic carbon, pH, EC, water holding capacity, etc.
<b>Reaction of the farmers</b>	Acceptability of technology among farmers. Compatibility in the existing cropping system.

#### OFT-3 (Agronomy)

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Assessment of newly released wheat variety HD 3249
<b>Problem diagnosed</b>	Low yield of wheat due to use of continuous use old and mixed variety HD 2967
<b>Micro farming situation</b>	Sandy loam, low water-holding capacity, imbalance use of fertilizer, mini-deep tube well, low productivity
<b>Details of technology identified for solution</b>	T <sub>1</sub> -farmers Practice (HD 2967) T <sub>2</sub> -HD 3249
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Area</b>	5000 sqm
<b>Critical inputs</b>	Seed
<b>Production system</b>	Rice-Wheat
<b>Source of technology</b>	IARI, New Delhi
<b>Total Cost</b>	Rs. 7000/- (Approx)
<b>Title</b>	Assessment of newly released wheat variety HD 3249
<b>Problem diagnosed</b>	Low yield of wheat due to use of continuous use old and mixed variety HD 2967

#### OFT-4 (Agronomy)

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Assessment of newly released Paddy variety (Pusa sambha-1850)
<b>Problem diagnosed</b>	Low yield of paddy due to heavy infestation of diseases (BLB,blast) in BPT 5204 variety.
<b>Micro farming situation</b>	Sandy loam, low water-holding capacity, imbalance use of fertilizer, mini-deep tube well, low productivity
<b>Details of technology identified for solution</b>	T <sub>1</sub> -farmers Practice (BPT 5204) T <sub>2</sub> -Pusa sambha 1850

<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Area</b>	5000 sqm
<b>Critical inputs</b>	Seed
<b>Production system</b>	Rice-Wheat
<b>Source of technology</b>	IARI, New Delhi
<b>Total Cost</b>	Rs. 7000/- (Approx)
<b>Observation to be recorded</b>	Plant height (cm), No. of tillers, Panicle length, grain/plant, Grain yield, B:C ratio
<b>Reaction of the farmers</b>	Acceptability of technology to farmers

#### OFT-5 (Horticulture)

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Assessment of yield performance of Hybrid Brinjal
<b>Problem diagnosed</b>	Low yield due to use of old & mixed varieties
<b>Micro farming situation</b>	Sandy loam, low water-holding capacity, imbalance use of fertilizer, tube well, low productivity
<b>Details of technology identified for solution</b>	T <sub>1</sub> :-Farmers practice T <sub>2</sub> :- High yielding Hybrid Brinjal variety (Kashi Sandesh/ Kashi Komal)
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Area</b>	5000 sqm
<b>Critical inputs</b>	Seedlings
<b>Production system</b>	Cucurbits- Brinjal
<b>Source of technology</b>	IIVR, Varanasi
<b>Total Cost</b>	Rs. 4000.00 (Approx)
<b>Observation to be recorded</b>	Yield, % increase in yield & BCR
<b>Reaction of the farmers</b>	Acceptability of technology to farmers

#### OFT-6 (Horticulture)

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Assessment of yield performance of YVMV resistant Okra variety
<b>Problem diagnosed</b>	Low yield due to use of old & mixed varieties
<b>Micro farming situation</b>	Sandy loam, low water holding capacity, imbalance use of fertilizer, tube well, low productivity

<b>Details of technology identified for solution</b>	T1:- Farmers practice T2:- HYV (VRO-4/VRO-5/VRO-6) YVMV resistant variety
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Area</b>	5000 sqm
<b>Critical inputs</b>	Seeds
<b>Production system</b>	Cucurbits-Okra
<b>Source of technology</b>	IIVR, Varanasi
<b>Total Cost</b>	Rs. 3000.00 (Approx)
<b>Observation to be recorded</b>	Yield (q/ha), % increase in yield, BCR
<b>Reaction of the farmers</b>	Acceptability of technology to farmers

#### OFT-7 (Home Science)

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Assessment of Poshak-Ladoo to improve health of school going children
<b>Problem diagnosed</b>	Relatively low weight
<b>Possible Solution</b>	Use of PoshakLadoo (Sprouted Wheat + Besan(Chana))
<b>Farming situation</b>	--
<b>Details of technology identified for solution</b>	T <sub>1</sub> - Prevailing Practice T <sub>2</sub> -Intake of PoshakLadoo
<b>No. of farmers</b>	10
<b>Replications</b>	10
<b>Critical inputs</b>	PoshakLadoo
<b>Production system and thematic area</b>	Poor health status of School going children
<b>Source of technology</b>	Department of Home Science DDUGU, Gorakhpur, U.P.
<b>Total Cost</b>	Rs. 10000/- (Approx)
<b>Observation to be recorded</b>	Weight & Hb Level
<b>Reaction of the farmers</b>	Acceptability of technology among farmers Availability of Nutrients with local available crops.

**OFT-8 (Animal Science)**

Particulars	Contents
<b>Title</b>	Repeat breeding in cross breed cows' cow due to micro nutrient deficiency and infestation of endo parasites
<b>Problem diagnosed</b>	Feeding of Mineral Mixture, Herbal drug and deworming at proper time to regulate normal fertility
<b>Farming situation</b>	Disease management
<b>Details of technology identified for solution</b>	House hold requirement
<b>No. of farmers/Animals</b>	T <sub>1</sub> - Farmers Practice (feed and fodder) T <sub>2</sub> - Feeding with Mineral mixture 60gm./day, Fertisule bolus (Herbal drug) and deworming with Albendazole at proper time
<b>Replications</b>	10 and 05 cross bred cows in each treatment
<b>Duration</b>	05
<b>Critical inputs</b>	90 days
<b>Production system and thematic area</b>	Select 5 cross bred cows between 6 to 1010 months lactation and 2-4 time repeat breeder
<b>Source of technology</b>	Fertisule bolus (Herbal drug), Mineral mixture and Albendazole
<b>Total Cost</b>	IVRI Izzatnagar, Bareilly
<b>Observation to be recorded</b>	Rs 10000.00/- approx.
<b>Reaction of the farmers</b>	<ul style="list-style-type: none"> <li>• Occurrence of heat after parturition (days)</li> <li>• Conception after treatment (days)</li> <li>• Milk yield lit/day</li> <li>• Milk production cost Rs/animal/day</li> <li>• Total returns Rs/animal/day</li> <li>• Net return Rs/animal/day</li> <li>• BC ratio</li> </ul>

**OFT- 09 (AS)**

Crop/Enterprise	Livestock
Title of on-farm trial	Assessment of the effect of supplementation of Moringa oleifera leaf powder on growth performance of poultry (Adult)
Problem diagnosed	Less body growth due to unavailability of balance feed
Farming situation	Household requirement
Production system and thematic area	Feed management

Farmers' Practices	T1: Local available feed
Details of tech.selected for asses./ refin.	T2 : (Moringa leaf powder and local available feed -70 gram/day/poultry)
Source of technology	Directorate of Poultry Research, Hyderabad
No. of farmers	5
Critical input	Moringa leaf powder
Performance of the technology with performance indicators i Technical	Body weight No. of egg production
ii. Economics	B:C ratio
iii.Social	Acceptability of farmer and their reactions

### 3.2 Frontline Demonstrations

#### A. Details of FLDs to be organized (Based on soil test analysis)

SN	Crop/ Variety	Thematic area	Technology for demonstrati on	Critical inputs	Season and year	Area (ha)/ No.	No. of farmers / demos	Parameters identified Yield/Profit/Ot her technological parameters	Budget required (Rs)
1.	Wheat	Nutrient managem ent	Paddy- Wheat Var. HD 2967+120: 60:40::N:P :K + Zinc + <i>Azotobacte r</i>	Zinc + <i>Azotobacter</i>	Rabi 2023	2.0	10	Plants height, No. of branches, Grain yield and B.C. ratio	6000
2.	Bitttergo urd	Nutrient managem ent	Wheat- Bittergourd+ 80:60:40::N: P:K + <i>Azotobacter</i>	<i>Azotobacter</i>	Kharif- 2023	1.0	10	Yield, net return, B:C ratio	4000
3.	Paddy (Agro)	Varietal evaluatio n	Sanbha Sub- 1/ MTU 7029	Seed	Khari f 2023	10	25	No. of tillers/hill, Grain yield and B.C. ratio	12000

4.	Wheat (Agro)	Varietal evaluation	DBW 187	seed	Rabi 2023	10	75	No. of tillers/hill, Grain yield and B.C. ratio	12000
5.	Chilli (Horti)	Integrated crop management (ICM)	02 spray of Plant growth hormones NAA (Planofix) in chilli crop	Plant growth hormones NAA (Planofix)	Khari f- 2023	1.0	20	Yield, B:C ratio, % increase in yield	4000
6.	Marigold (Horti)	Crop Introduction	Marigold Var. PusaNarange	Seedling	Rabi- 2023	0.5	10	Yield, B:C ratio, % increase in yield ,	20000
7.	Seasonal vegetable and fruits (HS)	Low nutritional status	Nutritional garden	Seeds, saplings & Plants	Rabi & Kharif 2023	20no. (0.5 ha)	20	Nutritional level, consumption and savings of vegetables/family	14000
8.	Berseem (AS)	Feed &Fodder	HYV of Berseem	Seed	Rabi 2023	4.0	30	Fodder yield (q/ha)	15000
9.	Sorghum (AS)	Feed &Fodder	HYV of Sorghum	Seed	Summer	4.0	30	Fodder yield (q/ha)	15000
<b>Total</b>						<b>33.00</b>	<b>230</b>		

### B. Extension and Training activities under FLD

SN	Activity	No. of activities	Month	Number of participants
1	<b>Field days</b>			
	(a) Mustard	1	Feb,2023	40
	(b) Paddy	1	Oct, 2023	40
	(c) Berseem	1	Mar, 2023	40
	(d)Wheat	1	March, 2023	40
	(e) Marigold	1	Oct 2023	40
	(f) Kitchen Garden	2	Oct 2023, March 2023	80
	(g) Sorghum	1	Aug.2023	40
	(h) Chilli	1	Oct 2023	
2	<b>Farmers Training</b>			
	(a) Mustard	1	June, 2023	80



SN	Activity	No. of activities	Month	Number of participants
	(b) Paddy	1	May, 2023	25
	(c) Berseem	1	Oct, 2023	25
	(d)Wheat	1	Oct, 2023	75
	(e) Marigold	1	Nov,-2023	30
	(f) Kitchen Garden	1	April -2023	30
	(g) Sorghum	1	Oct,-2023	30
	(h) Chilli	1	July 2023	
3	Media coverage	200	Jan – Dec 2023	Mass
4	Training for extension functionaries	9	Jan – Dec 2023	135

### C. Details of FLD on Enterprises

#### (i) Farm Implements:

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / Indicators	*Data on parameter in relation to technology demonstrated	
							Demon.	Local check

#### (ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Critical input	Performance parameters / Indicators	Budget required (Rs)

#### Sponsored Demonstration

Crop	Variety	Area (Ha)	No. of Farmers
Mustard	RH 749 + seed treatment with Carbendazim @ 2g/kg seed + Yellow sticky trap/Imidacloprid 17.8 SL @ 1ml/2liter water for sucking pest management	10	25
<b>Total</b>		<b>10</b>	<b>25</b>

### 3.3 Training (Including the sponsored and FLD training programmes):

**A) ON Campus (PF)**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Resource Conservation Technologies	2	36	0	36	4	0	4	40
Crop Diversification	1	18	0	18	2	0	2	20
Integrated Crop Management	1	18	0	18	2	0	2	20
<b>Total</b>	<b>4</b>	<b>72</b>	<b>0</b>	<b>72</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>80</b>
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	03	36	9	45	9	6	15	60
Nursery raising	01	12	3	15	3	2	5	20
<b>Total</b>	<b>04</b>	<b>48</b>	<b>12</b>	<b>60</b>	<b>12</b>	<b>8</b>	<b>20</b>	<b>80</b>
<b>b) Fruits</b>								
<b>III Soil Health and Fertility Management</b>								
Integrated Nutrient Management	1	18	0	18	2	0	2	20
Nutrient Use Efficiency	2	36	0	36	4	0	4	40
Soil and Water Testing	1	18	0	18	2	0	2	20
<b>Total</b>	<b>4</b>	<b>72</b>	<b>0</b>	<b>72</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>80</b>
<b>IV Livestock Production and Management</b>								
Dairy Management	01	15	2	17	2	1	3	20
Feed management	01	15	2	17	2	1	3	20
<b>Total</b>	<b>2</b>	<b>30</b>	<b>10</b>	<b>34</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>40</b>
<b>V Home Science/Women empowerment</b>								
Designing and development for high nutrient efficiency diet	1	0	15	15	0	5	5	20
Gender mainstreaming through SHGs	1	0	15	15	0	5	5	20
Storage loss minimization techniques	1	0	15	15	0	5	5	20
Value addition	1	0	15	15	0	5	5	20
<b>Total</b>	<b>4</b>	<b>0</b>	<b>60</b>	<b>60</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>80</b>
<b>VI Agril. Engineering</b>								
<b>Total</b>								
<b>XI Agro-forestry</b>								
<b>XII Others (Pl. Specify)</b>								
GT (PF)	<b>18</b>	<b>162</b>	<b>82</b>	<b>298</b>	<b>32</b>	<b>30</b>	<b>62</b>	<b>360</b>
<b>TOTAL</b>	<b>18</b>	<b>162</b>	<b>82</b>	<b>298</b>	<b>32</b>	<b>30</b>	<b>62</b>	<b>360</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	01	7		7	2	1	3	10
Integrated farming	01	15	0	15				15
Seed production (Hort/Agron)	01	13	02	15				15
Production of organic inputs (SS)	01	15	0	15	0	0	0	15

Planting material production	01	04		04	1		1	05
Value addition	1	0	10	10	0	5	5	15
Small scale processing	1	0	10	10	0	5	5	15
Agaarbatti making	1	0	10	10	0	5	5	15
<b>TOTAL</b>	<b>8</b>	<b>54</b>	<b>32</b>	<b>86</b>	<b>3</b>	<b>16</b>	<b>19</b>	<b>105</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops(Agro)	01	15	0	15	0	0	0	15
Integrated Nutrient management (SS)	02	30	0	30	0	0	0	30
Cultivation of fruit	01	15	0	15	0	0	0	15
Protected cultivation technology (Hort)	01	15	0	15	0	0	0	15
Group Dynamics and farmers organization	01	15	0	15	0	0	0	15
Women and Child care (HS)	1	0	15	15	0	0	0	15
Low cost and nutrient efficient diet designing (HS)	1	0	15	15	0	0	0	15
Disease Management(AS)	01	15	0	15	0	0	0	15
<b>TOTAL</b>	<b>9</b>	<b>105</b>	<b>30</b>	<b>135</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>135</b>
<b>G. Total PF+RY+EF</b>	<b>35</b>	<b>321</b>	<b>144</b>	<b>519</b>	<b>36</b>	<b>46</b>	<b>81</b>	<b>600</b>

#### B) OFF Campus (PF)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1	15	2	17	2	1	3	20
Resource Conservation Technologies	1	15	2	17	2	1	3	20
Crop Diversification	1	15	2	17	2	1	3	20
Integrated Crop Management	1	15	2	17	2	1	3	20
<b>Total</b>	<b>4</b>	<b>60</b>	<b>8</b>	<b>68</b>	<b>8</b>	<b>4</b>	<b>12</b>	<b>80</b>
<b>II Horticulture</b>								
Off-season vegetables	1	15	2	17	2	1	3	20
Nursery raising	1	15	2	17	2	1	3	20
<b>b) Fruits</b>								
Cultivation of Fruit	2	30	4	34	4	2	6	40
<b>Total</b>	<b>4</b>	<b>60</b>	<b>8</b>	<b>68</b>	<b>8</b>	<b>4</b>	<b>12</b>	<b>80</b>
<b>III Soil Health and Fertility Management</b>								
Integrated Nutrient Management	1	15	2	17	2	1	3	20
Production and use of organic inputs	1	15	2	17	2	1	3	20
Nutrient Use Efficiency	1	15	2	17	2	1	3	20
Soil and Water Testing	1	15	2	17	2	1	3	20
<b>Total</b>	<b>4</b>	<b>60</b>	<b>8</b>	<b>68</b>	<b>8</b>	<b>4</b>	<b>12</b>	<b>80</b>
<b>IV Livestock Production and Management</b>								
Dairy Management	1	15	2	17	2	1	3	20

Rabbit Management /goat	1	15	2	17	2	1	3	20
Disease Management	3	45	6	51	6	3	9	60
Feed management	1	15	2	17	2	1	3	20
<b>Total</b>	<b>6</b>	<b>90</b>	<b>12</b>	<b>102</b>	<b>12</b>	<b>6</b>	<b>18</b>	<b>120</b>
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	0	15	15	0	5	5	20
Gender mainstreaming through SHGs	1	0	15	15	0	5	5	20
Income generation activities for empowerment of rural Women	1	0	15	15	0	5	5	20
Rural Crafts	1	0	15	15	0	5	5	20
Women and child care	1	0	15	15	0	5	5	20
<b>Total</b>	<b>5</b>	<b>0</b>	<b>75</b>	<b>75</b>	<b>0</b>	<b>25</b>	<b>25</b>	<b>100</b>
<b>VI Agril. Engineering</b>								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>23</b>	<b>270</b>	<b>111</b>	<b>381</b>	<b>36</b>	<b>43</b>	<b>79</b>	<b>460</b>

**C) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1	15	2	17	2	1	3	20
Resource Conservation Technologies	3	51	2	53	6	1	7	60
Crop Diversification	2	33	2	35	4	1	5	40
Integrated Crop Management	2	33	2	35	4	1	5	40
<b>Total</b>	<b>8</b>	<b>132</b>	<b>8</b>	<b>140</b>	<b>16</b>	<b>4</b>	<b>20</b>	<b>160</b>
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	3	36	9	45	9	6	15	60
Off-season vegetables	1	15	2	17	2	1	3	20
Nursery raising	2	27	5	32	5	3	8	40
Cultivation of Fruit	2	30	4	34	4	2	6	40
<b>Total</b>	<b>8</b>	<b>108</b>	<b>20</b>	<b>128</b>	<b>20</b>	<b>12</b>	<b>32</b>	<b>160</b>
<b>III Soil Health and Fertility Management</b>								
Integrated Nutrient Management	02	33	02	35	4	1	5	40
Production and use of organic inputs	01	15	02	17	2	1	03	20
Nutrient Use Efficiency	03	51	2	53	6	1	7	60
Soil and Water Testing	02	33	2	35	4	1	5	40
<b>Total</b>	<b>8</b>	<b>132</b>	<b>8</b>	<b>140</b>	<b>16</b>	<b>4</b>	<b>20</b>	<b>160</b>
<b>IV Livestock Production and Management</b>								
Dairy Management	1	15	2	17	2	1	3	20

Rabbit Management/goat	1	15	2	17	2	1	3	20
Disease Management	3	45	6	51	6	3	9	60
Feed management	3	45	6	51	6	3	9	60
<b>Total</b>	<b>8</b>	<b>120</b>	<b>16</b>	<b>136</b>	<b>16</b>	<b>8</b>	<b>24</b>	<b>160</b>
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	0	15	15	0	5	5	15
Designing and development for high nutrient efficiency diet	1	0	15	15	0	5	5	20
Gender mainstreaming through SHGs	2	0	30	30	0	10	10	20
Storage loss minimization techniques	1	0	15	15	0	5	5	20
Value addition	1	0	15	15	0	5	5	20
Income generation activities for empowerment of rural Women	1	0	15	15	0	5	5	20
Rural Crafts	1	0	15	15	0	5	5	20
Women and child care	1	0	15	15	0	5	5	20
<b>Total</b>	<b>9</b>	<b>0</b>	<b>135</b>	<b>135</b>	<b>0</b>	<b>45</b>	<b>45</b>	<b>180</b>
<b>VI Agril. Engineering</b>								
<b>TOTAL</b>	<b>41</b>	<b>492</b>	<b>187</b>	<b>679</b>	<b>68</b>	<b>73</b>	<b>141</b>	<b>820</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	01	7		7	2	1	3	10
Integrated farming	01	15	0	15				15
Seed production (Hort)	01	13	02	15				15
Seed production (Agro)	01	15	0	15	0	0	0	15
Integrated Farming (Medicinal)	01	04		04	1		1	05
Value addition (Ext)	1	0	10	10	0	5	5	15
Post Harvest Technology	1	0	10	10	0	5	5	15
Aggarbatti preparation	1	0	10	10	0	5	5	15
<b>TOTAL</b>	<b>8</b>	<b>54</b>	<b>32</b>	<b>86</b>	<b>3</b>	<b>16</b>	<b>19</b>	<b>105</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops (Agro)	1	15	0	15	0	0	0	15
Integrated Pest Management (Hort.)	01	15	0	15	0	0	0	15
Integrated Nutrient management (SS)	2	30	0	30	0	0	0	30
Rejuvenation of old orchards	1	15	0	15	0	0	0	15
Protected cultivation technology (Hort)	1	13	0	13	2	0	2	15
Management in farm animals	01	15	0	15	0	0	0	15
Women and Child care	1	0	15	15	0	0	0	15
Low cost and nutrient efficient diet designing (HS)	1	0	15	15	0	0	0	15
<b>TOTAL</b>	<b>9</b>	<b>103</b>	<b>30</b>	<b>133</b>	<b>2</b>	<b>0</b>	<b>02</b>	<b>135</b>
<b>G. Total</b>	<b>58</b>	<b>649</b>	<b>249</b>	<b>896</b>	<b>73</b>	<b>89</b>	<b>162</b>	<b>1060</b>

Details of training programmes attached in **Annexure -I**

**3.4. Extension Activities (including activities of FLD programmes)**

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	6	200	25	225	15	-	15	215	25	240
Kisan Ghosthi	8	200	20	220	15	-	15	215	20	235
Kisan Mela	1	850	100	950	50	-	50	900	100	1000
Film Show	5	140	20	160	5	-	5	145	20	165
Method Demonstrations	6	120	10	130	-	-	-	120	10	130
Group meetings	2	-	30	30	-	5	5	-	35	35
Newspaper coverage	50	Mass								
Radio talks	10									
TV talks	20									
Popular articles	10									
Advisory Services	300	200	50	250	50	-	50	250	50	300
Scientific visit to farmers field	100	290	60	350	-	-	-	290	60	350
Farmers visit to KVK	300	425	75	500	-	-	-	425	75	500
Self Help Group Conveners meetings	2	15	5	20	-	-	-	15	5	20
Animal health /vaccination camp	2	50	10	60	-	-	-	50	10	60
Exhibition	1	850	100	950	50	-	50	900	100	1000
Lecture to be delivered as resource person	25	2500	-	2500	-	-	-	2500	-	2500
Extension literature	7	-	-	-	-	-	-	-	-	-
Diagnostic visit	150	300	20	320	-	-	-	300	20	320
Soil health camp	3	120	30	150	-	-	-	120	30	150
Soil test campaign	10	300	50	350	20	-	20	320	50	370
Celebration of important days	2	40	-	40	10	-	10	50	-	50
Farmers-Scientists interaction	4	140	-	140	-	-	-	140	-	140
SMS Advisory services	6	-	-	-	-	-	-	-	-	-
<b>Total</b>	1030	6740	605	7345	215	5	220	6955	610	7565

### 3.5 Target for Production and supply of Technological products(Jan'2023to Dec'2023)

#### Seed Materials

Sl. No.	Crop	Variety*	Qty targeted(q)	Season	Area (ha)
<b>A.</b>	<b>CEREALS</b>				
	Rice	NDR-2065,Sambha Sub-1, MTU 7029	140.00	Kharif-2023	05
	Wheat	HD-2967, DBW 187,	140.00	Rabi-2023-24	05
<b>B.</b>	<b>OILSEEDS</b>				
	Mustard	RH-749, Giriraj	8.00	Rabi-2023-24	01
<b>C.</b>	<b>PULSES</b>				
	Chick Pea	GNG – 1581	10.00	Rabi-2023-24	01
	Pigeon Pea	IPA-203	15.00	Kharif-2023	02
<b>D.</b>	<b>VEGETABLES</b>				
<b>E.</b>	<b>FODDER CROPS</b>				
	Total		313		14.0

#### Planting Materials:20000

Sl. No.	Crop	Quantity (Nos.)
<b>FRUITS</b>	Papaya, Mango, Guava, Aonla, Ber, Bael, Jackfruit etc.	500
<b>VEGETABLES</b>	Tomato, Brinjal, Chilli, Cauliflower, Cabbage, Onion etc.	14500
<b>Flower</b>	Marigold, Calandula, Portulacha, kochia, Glardia etc.	5000
	Winter season, Summer season annuals	
		20,000

#### Bio-products

SN	Product Name	Species	(kg)
Bio Fertilizers	Vermin compost + verms	<i>EiseniafetidaEudrimusEugeniae</i>	Compost-500kg Verms-30kg
Azola	--	Azola	100 Kg

## LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			Nos	Kg
	Cattle			
	SHEEP AND GOAT			
	POULTRY			
	FISHERIES	Common Carp,Rohu Carp, Catala Carp ,Slver Carp		1000 Kg.
	Others (Specify)			

### 3.6. Literature to be Developed/Published

(A) KVK News Letter : yes  
 Date of Start : Jan 2021  
 Number of copies to be published : 12 Publication

#### (B) Literature to be developed/published

Item	Number of copies
Research papers	07
Technical reports	06
News letters	12
Technical bulletins	04
Popular articles	21
Extension literature	17
<b>TOTAL</b>	<b>67</b>

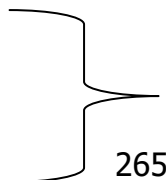
#### (C) Details of Electronic Media to be produced

SN	Type of media(CD/VCD/DVD/Audio-cassette)	Title of the programme	Number
1	Audio		

### 3.7. Success stories/Case studies to be identified for development as a case.(Nos):05

### 3.8. Indicate the specific training need analysis tools/methodology followed for

#### ➤ Practicing Farmers



Group meeting, scientist farmers' interface, discussion with farmers, and request from governmental line department

265



➤ **Rural Youth**

➤ **In-Service Personnel**

**3.9. Indicate the methodology for identifying OFTs/FLDs**

**For OFT :**

- i) Field level observations
- ii) Farmer group discussions

**For FLD :**

- i) New variety/technology
- ii) Poor yield at farmers level

**3.10 Field activities**

- i. Name of villages identified/adopted with block name (from which year) - 25 villages  
Block:-Campierganj (4-village), JangalKaudiya(7-village), Bhathat(1-village), Pali (3-village), Chargawan(3-village), Pipraich(3-village), Sardar Nagar (1-village), Khorabar(1-village) and Sahjanwan (02 Village)
- ii. No. of farm families selected per village :100
- iii. No. of survey/PRA conducted :05
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

**3.11. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab: Soil Testing Lab established with 2 soil testing mini kit

**1. Year of establishment : Soil Testing Lab establishment year is 2017**

**2. List of equipment's purchased with amount: to be purchase**

SN	Name of the Equipment	Qty	Cost(Rs)
1	Flame Photometer		
2	Digital pH meter		
3	Digital pH conductivity meter		
4.	Physical balance		
5.	Oven		
6.	Spectrophotometer attached with computer		
7.	Dispenser		
8.	Electronic Balance		
9.	Blender with lift off container		
10.	Double Distillation with auto cut		
11.	Hot Plate		
12.	Kjeldhal distillation		
13.	Shaking Machine		
14.	Water Deionizer		
15.	Fume Hood		

16.	Incubator		
17.	Ultra violet Tube		
18.	Soil Testing Kit	02	2,02,960.00
19.	Refrigerator		
20.	Gas Cylinder (LPG)		
21.	Regulator (LPG)		
22.	Gas Pipe		
<b>Total</b>			

### 3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	1500	1500	50	-
Water	0	0	0	-
Plant	100	100	30	-
<b>Total</b>	<b>1600</b>	<b>1600</b>	<b>80</b>	<b>-</b>

## 4.0 LINKAGES

### 4.1 Functional linkage with different organizations

SN	Name of Organization	Nature of Linkage
1.	Soil testing department	Trainers for training, assistance in soil testing lab of KVK, assistance in organizing Kisan Mela
2.	RTI	Training
3.	District Agriculture Department	Training, diagnostic survey, conducting in-service training programme, Food Security Mission
4.	District Horticulture Department	Training, Diagnostic survey, National Horticulture Mission
5.	IIVR Varanasi	Resource person for training, Diagnostic survey, cooperative vegetable seed linkage
6.	IFFCO Foundation	Training & demonstration
7.	KRIBHCO	Grading of seeds
8.	Deptt of Animal Husbandry	Vaccination, deworming and trainings
9.	NABARD	Participation in meeting and training
10.	Nehru Yuva Kendra	Training
11.	ANDUA&T, Ayodhya	Latest released varieties & guidance
12.	PPL, Varanasi	Training
13.	TATA Chemicals limited, Bombay	Training
14.	Dhanuka, New Delhi	Kisan Mela
15.	Banks	Kisan Mela.
16.	CIMAP, Lucknow	Advisory Services
17.	ATMA, Gorakhpur	Training, Member Governing Board, Advisory Services

18	DSR, Mau	Training, Seed Linkage
19	Mahindra Samridhi	Training, Soil Testing
20	IARI, New Delhi	Demonstration
21	NHM, New Delhi	Demonstration units, Training
22	IISR, Lucknow	Demonstration units, Training
23	ITC	Training
24	UP Food Preservation Dept.	Food Preservation
25	NRLM	SHG
26	Reliance	Advisory Services
27	Tata Dhanya	Training, Demonstration
28	Byer Crop Sciences	Training, Demonstration
29	Nuzivedu	Training, Demonstration
30	DayalFertilizer	Training, Demonstration
31	UPL	Training, Demonstration
32	DDUGU	FPO formation
33	HURL	Training, Demonstration

Sl. No.	Programme	Nature of linkage	Remarks
1.	Training programme	Scientists as resource person	Attend programmes
2.	AES (Agro-Ecological situation)	Scientists of KVK visits trials conducted by ATMA	-
3.	Front Line Demonstration (FLD)	KVK's scientists visits demonstrations for supervision & Field Day	-

#### 4.3 Give details of programme under National Horticulture Mission

SN	Programme	Nature of linkage
1		

#### 4.4 Nature of linkage with National Fisheries Development Board

SN	Programme	Nature of linkage
1		

#### 5.0 Utilization of Hostel facilities

SN	Programmes	No of days
1	-	-
<b>Total</b>		

**6.0 Convergence with departments:**Krishi Vigyan Kendra Gorakhpur is working in collaboration with ATMA towards agricultural development of district Gorakhpur. KVK Gorakhpur is also working with line departments in training, demonstration, planning etc.

**7.0 Feedback of the farmers about the technologies demonstrated and assessed :**

**8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:**

## Annexure-I

### Training Programme

#### i) Farmers & Farm women (On Campus)

Date	Client ele (PF/R Y/FW)	Title of the training programme	Duratio n in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
01-June-23	PF	Direct seeded Rice (DSR)	1	18	0	18	2	0	2	20
08-June-23	PF	Techniques of rice cultivation SRI method	1	18	0	18	2	0	2	20
28-Oct-23	PF	Seed Production Technology of Mustard	1	18	0	18	2	0	2	20
05-Nov-23	PF	Seed Production Technology of Wheat	1	18	0	18	2	0	2	20
<b>Total</b>			<b>4</b>	<b>72</b>	<b>0</b>	<b>72</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>80</b>
<b>Horticulture</b>										
20-Feb.-23	PF	Use of trellis system in cucumber production for higher income	1	10	5	15	3	2	5	20
24-March-23	PF	Scientific farming of capsicum in green house for doubling income	1	18	0	18	2	0	2	20
12-May.-2023	PF	Use of drip irrigation for efficient use of water in Brinjal crop for higher monetary returns	1	10	5	15	4	1	5	20
07-Sept.-2023	PF	Strawberry cultivation for higher income	1	18	0	18	2	0	2	20
17-Oct.-2023	PF	Marigold cultivation for doubling income	1	12	3	15	3	2	5	20
<b>Total</b>			<b>05</b>	<b>68</b>	<b>13</b>	<b>81</b>	<b>14</b>	<b>5</b>	<b>19</b>	<b>100</b>
<b>Livestock prod.</b>										
28-April-2023	PF	Preparation Balance ration for milch animals	1	18	-	18	2	-	2	20
14-Oct-2023	PF	Green fodder production technology	1	18	-	18	2	-	2	20
<b>Total</b>			<b>2</b>	<b>36</b>	<b>-</b>	<b>36</b>	<b>4</b>	<b>-</b>	<b>4</b>	<b>40</b>
<b>Home Sc.</b>										
18-Feb-2023	PF	Value Addition of food grain	1	00	15	15	00	05	05	20
08-Mar-	PF	Capacity building training for SHGs	1	00	15	15	00	05	05	20

2023		of Women								
20-May-2023	PF	Safe storage of food grain	1	00	15	15	00	05	05	20
22-Aug-2023	PF	Preparation of low cost diet for child	1	00	15	15	00	05	05	20
		<b>Total</b>	<b>4</b>	<b>00</b>	<b>60</b>	<b>60</b>	<b>00</b>	<b>20</b>	<b>20</b>	<b>80</b>
<b>Soil Health</b>										
22-Feb-23	PF	INM in cucurbitaceous crop for income generation	1	18	0	18	2	0	2	20
14-June-23	PF	Introduction to Natural farming.	1	18	0	18	2	0	2	20
18-Oct.- 23	PF	INM in wheat for higher production & returns.	1	18	0	18	2	0	2	20
05-Nov.-23	PF	INM in pulses for yield enhancement	1	18	0	18	2	0	2	20
		<b>Total</b>	<b>4</b>	<b>72</b>	<b>0</b>	<b>72</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>80</b>
<b>Agri. Ext.</b>										
04-April-2023	PF	Awareness towards PMFBY for compensate crop losses	1	18	0	18	2	0	2	20
08-June-2023	PF	Policy and programmes for doubling farm income	1	18	0	18	2	0	2	20
10-Aug.-2023	PF	Role of ICT in doubling the income of farmers	1	18	0	18	2	0	2	20
15-Oct.-2023	PF	Efficient marketing channels for enhancing the income of farm produce	1	18	0	18	2	0	2	20
		<b>Total</b>	<b>4</b>	<b>72</b>	<b>0</b>	<b>72</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>80</b>

**i) Farmers & Farm women (Off Campus)**

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
11-July-23	PF	Integrated Weed Management in Paddy	1	15	2	17	2	1	3	20
05-Sept-23	PF	Integrated Pest and Disease management in Paddy	1	15	2	17	2	1	3	20
11-Oct-23	PF	Crop Residue Management	1	15	2	17	2	1	3	20
06-Dec-23	PF	Integrated Weed Management in Wheat	1	15	2	17	2	1	3	20
		<b>Total</b>	<b>4</b>	<b>60</b>	<b>8</b>	<b>68</b>	<b>8</b>	<b>4</b>	<b>12</b>	<b>80</b>
<b>Horticulture</b>										

22-Sept-23	PF	Strawberry cultivation for higher income	1	15	2	17	2	1	3	20
14-June-2023	PF	Intercropping of vegetables with Banana crop for doubling income	1	15	2	17	2	1	3	20
07-Sept.- 23	PF	Marigold cultivation for doubling income	1	15	2	17	2	1	3	20
22-Sept-23	PF	Strawberry cultivation for higher income	1	15	2	17	2	1	3	20
17-Oct.-23	PF	Cultivation of spices in Gorakhpur district for higher monetary returns	1	15	2	17	2	1	3	20
<b>Total</b>			<b>5</b>	<b>75</b>	<b>10</b>	<b>85</b>	<b>10</b>	<b>5</b>	<b>15</b>	<b>100</b>
<b>Live Stock Production.</b>										
06 Jan 2023	PF	Care and management of livestock during winter season	1	15	2	17	2	1	3	20
11-Feb-2023	PF	Important diseases of cattle and their control measures	1	15	2	17	2	1	3	20
12-May-2023	PF	Vaccination schedule for livestock	1	15	2	17	2	1	3	20
25-July-2023	PF	Ideal animal husbandry through scientific method for income generation	1	15	2	17	2	1	3	20
23-Sept-2023	PF	Control of sterility & infertility in farm animals	1	15	2	17	2	1	3	20
17 Nov 2023	PF	Mastitis: its cause and prevention	1	15	2	17	2	1	3	20
<b>Total</b>			<b>6</b>	<b>90</b>	<b>12</b>	<b>102</b>	<b>12</b>	<b>6</b>	<b>18</b>	<b>120</b>
22-Feb-2023	PF	Production of seasonal vegetables to enhance health status	1	00	15	15	00	05	05	20
15-Mar-2023	PF	Capacity building training for SHGs of women	1	00	15	15	00	05	05	20
08-Apr-2023	PF	Income generating activity for empowerment of rural women	1	00	15	15	00	05	05	20
23-Sep-2023	PF	Nutritional upliftment by low cost locally available less familiar food	1	00	15	15	00	05	05	20
17-Nov-2023	PF	Preparation of rural craft for financial upliftment of farm women.	1	00	15	15	00	05	05	20
<b>Total</b>			<b>5</b>	<b>00</b>	<b>75</b>	<b>75</b>	<b>00</b>	<b>25</b>	<b>25</b>	<b>100</b>
<b>Soil health</b>										
4-March-23	PF	Introduction to Natural farming	1	15	2	17	2	1	3	20
26-May-23	PF	Use of balanced dose of chemical fertilizer and bio-fertilizer in paddy	1	15	2	17	2	1	3	20
19 July-23	PF	INM in vegetable crops and use of biofertilizer.	1	15	2	17	2	1	3	20
9-Nov-23	PF	INM in wheat.	1	15	2	17	2	1	3	20
<b>Total</b>			<b>4</b>	<b>60</b>	<b>8</b>	<b>68</b>	<b>8</b>	<b>4</b>	<b>12</b>	<b>80</b>
<b>Extension</b>										

17-Aug,- 2023	PF	Awareness towards income generation via SHGs	1	18	0	18	2	0	2	20
14-June,- 2023	PF	Use and importance of ITK in farming community	1	18	0	18	2	0	2	20
28-Nov,- 2023	PF	Awareness towards human and soil health	1	18	0	18	2	0	2	20
20-Oct.- 2023	PF	Income generation via mobilizing farm people	1	18	0	18	2	0	2	20
20 Feb.- 2023	PF	Govt. Schemes for Promotion of Farmers Producer Company	1	18	0	18	2	0	2	20
<b>Total</b>			<b>5</b>	<b>90</b>	<b>0</b>	<b>90</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>100</b>

### ii) Vocational training programmes for Rural Youth

SN	Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
						M	F	T	M	F	T	
1	Biofertilizer (SS)	Bio-fertilizer use promotion	Use of biofertilizer for enhancing nutrient use efficiency and yield maximization	23-25 Aug.-2023	03	15	0	15	0	0	0	15
3	Flower production (Hort)	Commercial flower production	Flower production for sustainable income	05-09 October-23	03	03	02	05	0	0	0	05
4	Offered Flower Agarbatti making(HS)	Production of Flower based agarbatti	Agarbatti training	05-09 July-2023	03	02	07	09	0	1	1	10
5	Mushroom (PP/Hort/SS)	Promotion of supplementary food	Mushroom production technology	20-22 Sept.-2023	03	7	0	7	2	1	3	10
6	Wheat (Agro)	Seed production	Seed production technology of wheat	22-24 Nov-2023	03	11	0	11	4	0	4	15
7	Vegetables (Hort)	Protected cultivation	Protected cultivation of vegetable crops	14-18 July.-23	03	15	0	15	0	0	0	15
8	Crop + Livestock	Integrated farming system	Income generation through integrated farming system	24-28-August., 2023	03	10	5	15	0	0	0	15
9	Value addition (HS)	Value addition	Value addition of Fruit And Vegetables	11-13 July 2023	03	0	15	15	0	0	0	15
<b>Total</b>						<b>63</b>	<b>29</b>	<b>92</b>	<b>6</b>	<b>2</b>	<b>8</b>	<b>120</b>

iii) Training programme for extension functionaries (On campus)

Date	Client ele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>On Campus</b>										
12-April-2023	EF	Use of polyhouse, green house & net house for horticulture crop production (Hort)	1	13	0	13	2	0	2	15
15-Nov.-23	EF	Rejuvenation of old orchards (Hort)	1	15	0	15	0	0	0	15
05-April-2023	EF	Integrated nutrient management in zaidcrops(SS)	1	15	0	15	0	0	0	15
02-Aug-2023	EF	Integrated nutrient management in paddy for increasing nutrient use efficiency (SS)	1	15	0	15	0	0	0	15
26-Oct-23	EF	Production Technique of Rabi crops (Agron)	1	15	0	15	0	0	0	15
19-April.-23	EF	Integrated Pest Management in Vegetable crop (Hort)	1	15	0	15	0	0	0	15
23-Dec-2023	EF	Care & management of livestock (Ani Sc.)	1	15	0	15	0	0	0	15
22-Jun-2023	EF	Low cost and nutrient efficient diet designing (HS)	1	0	15	15	0	0	0	15
29-Nov-2023	EF	Household food security Women and Child care (HS)	1	0	15	15	0	0	0	15
<b>Total</b>			<b>9</b>	<b>103</b>	<b>30</b>	<b>133</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>135</b>

iv) Sponsored programme Nil

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
<b>a) Sponsored training programme</b>											
			<b>Total</b>								
<b>b) Sponsored research programme</b>											
			<b>Total</b>								
<b>c) Any special programmes</b>											
			<b>Total</b>								

**Quality Vegetable Nursery Development Plan(2020-21): 0.25 एकड़**

SN	Name of vegetable
----	-------------------



1	Toamto: Kashi vishesh, Kashi aman, kasha abhiman (hybrid), Kashi amrit
2	Brinjal: Kashi sandesh (round), Kashi taru (long)
3	Cauliflower: Pusasharad,, Pant shubhra, Pant gobhi-2
	Cabbage: Pusaageti, Pusamukta, Golden ekr
4	Chilli: Kashi surkh, Kashi early, Kashi anmol, Arkameghna, Arkasweta
5	Papaya: Pusananha, Surya, CO-71

**Budget Requirement For:-**

- **ATIC for KVK**
- **Plant health clinic**
- **Hi-tech IT LAB, 15lakh for Online Meeting and workshop in video conferencing mode**
- **Metrological observatory**
- **Seed godown**
- **H.Sc. Lab**
- **Dairy unit**
- **Library**
- **Farm waste machine**
- **Storage bin**
- **Generator**
- **Multimedia projector, Digital camera etc**

**(Vivek Pratap Singh)**  
**Senior Scientist cum Head**

## ACTION PLAN

### **KVK KAUSHAMBI**

(1<sup>st</sup> January 2023- 31<sup>st</sup> December 2023)

#### 1. GENERAL INFORMATION ABOUT THE KVK

##### 1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail	Website
	Office	FAX		
Krishi Vigyan Kendra, Kaushambi Vill- Malakmoinudin, Post- Mahagaon Kaushambi (U.P)- 212213	0532 2408806	0532-2408806	kvkkaushambi@gmail.com	kaushambi.kvk4.in

##### 1.2.a. Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail	Website
	Office	FAX		
Dr. Bhim Rao Ambedkar Welfare Society Suchana Praudaki Bhawan 8A/1 Elgin Road, Civil Lines Allahabad (U.P.) -211001	0532-2408806	0532-2408806	dbralld@rediffmail.com	dbrallahabad.org.in

1.2.b. Status of KVK website :Yes

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :20264




1.2.d Status of ICT lab at your KVK : Yes

##### 1.2. Name of the Sr. Scientist & Head with phone & mobile no.



Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Ajay Kumar	9450965185	9450965185	ajaykvk73@gmail.com

1.4. Year of sanction (as per MOU) : 2006

##### 1.5. Staff Position (01 Oct 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	(SC/ST/OBC /	Mobile No.	Email id	Please attach recent photograph
1	Head	Dr. Ajay Kumar	Head	Agro nomy	37400 - 67000	9000	49220	29-06-2010	Permanent	Gen	9450965185	ajaykvk73@gmail.com	
2	Subject Matter Specialist	Mr. Manoj Kumar Singh	SMS	Soil Science	15600 - 39100	5400	27260	1-12-2006	Permanent	Gen	9415278606	manojkumar.kvk@yahoo.com	
3	Subject Matter Specialist	Dr. Ashish Kumar Srivastava	SMS	Vet- Science	15600 - 39100	5400	27260	18-12-2006	Permanent	Gen	9452271205	ashish_vpy30@yahoo.com	

4	Subject Matter Specialist	Dr. Meenakshi Saxena	SMS	Home Science	15600 - 39100	5400	26640	6-12-2007	Permanent	Gen	9455326090	Meenakshisaxena801@gmail.com	
5	Subject Matter Specialist	Mr. Jitendra Pratap Singh	SMS	Horticulture	15600 - 39100	5400	22950	16-11-2012	Permanent	Gen	9198437614	jpsingvk@gmail.com	
6	Subject Matter Specialist	Dr. Navin Kumar sharma	SMS	Plant protection	15600 - 39100	5400	22950	16-11-2012	Permanent	Gen	9415185345	nksharmappnduat@gmail.com	
7	Subject Matter Specialist	Mr. Amit Kumar Keshri	SMS	Agri. Extn.	15600 - 39100	5400	15600	11-05-2020	Permanent	Gen	8840554712	amit_keshri087@yahoo.in	
8	Computer Programmer	Mr. Shailesh Srivastava	Computer Programmer	PGD CA	9300-34800	4200	18280	1-11-2007	Permanent	Gen	9450573932	shailesh_sri@rediffmail.com	
9	Farm Manager	Mr. Sunil Kumar	Farm Manager	Agriculture	9300-34800	4200	18280	13-11-2007	Permanent	Gen	9450623642	Sunilkvk2012@gmail.com	
10	Assistant	Mr. Akhilesh Mishra	Assistant	Account	9300-34800	4200	18840	28-11-2006	Permanent	Gen	9415636373	akhilmis2003@gmail.com	
11	Programme Assistant	Mr. Shesh Nath Yadav	Lab Technician		9300-34800	4200	9300	11-05-2020	Permanent	Obc	8115493341	ysheshnath8@gmail.com	
12	Steno	Mr. Vinay Dhar Shukla	Steno		5200 - 20210	2400	5200	01-04-2020	Permanent	Gen	8840407482	vdshuklicar@gmail.com	
13	Driver	Mr Raja Ram Singh	Driver	-	5200-20210	2000	10100	1-09-2007	Permanent	Gen	8931063132		
14	Driver	Mr. Jagdev Prasad	Driver	-	5200-20210	2000	8360	29-06-2010	Permanent	OBC	7389047178		

15	Supporting staff	Mr Mangla	Peon	-	5200-20210	1800	8260	1-09-2007	Permanent	OBC	7398025741	
13	Supporting staff	Mr Umesh Chand Patel	Peon	-	5200-20200	1800	7650	16-11-2012	Permanent	OBC		

#### 1.6. Total land with KVK (in ha) :

16.30

S. No.	Item	Area (ha)
1	Under Buildings	1.5 ha
2.	Under Crop cafeteria	1.0 ha
3.	Area under Nursery	1.0 ha
4.	Area Under IFS Module	1.5 ha
5.	Area Under Technology Approx.	1.5 ha
6.	Area Under rain Water Harvesting	1.0 ha.
7	Area Under Seed Production	5.0 ha.
8	Area under crops and Low Land	3.5 ha.

#### 1.7. Infrastructural Development:

##### A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	30.03.2008	550	4112544.00			
2.	Farmers Hostel	ICAR	30.03.2008	302	3874355.00			
3.	Staff Quarters (6)							
4.	Demonstration Units (2)	ICAR	31.03.2012	100	1000100.00			
5	Fencing	ICAR	30.03.2008	2500 meter	2845270.00			
6	Rain Water harvesting system	ICAR	28-03-2017	3400 Sqm.	1680000.00			
7	Threshing floor							
8	Farm godown	ICAR	30.03.2010	30m2	202310.00			
9	Seed Processing Unit	ICAR	2020		3000000.00			

##### B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status	Required replacement
Bolaro	2017	700000.00		Good	

##### C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status	Required replacement
Tractor	2007	375733.00	Condemn	
Cultivator	2007	9200.00	Good	
Disk harrow	2007	13105.00	Poor	
Leveler	2007	4200.00	Good	
Disk Plough	2007	8000.00	Good	
Zero Tillage Machine	2007	25000.00	Condemn	
Fan(winning)	2007	1100.00	Good	
Spray machine	2007	375.00	Good	
Trolley 2 Wheeler	2007	48000.00	Damage (need to repair)	
D.T.O Pulley	2007	1800.00	Poor and need to repair	

Seed Drill Machine	2007	13000.00	Damage
Generator	2009	74932.00	Condemn
Photo Copy Machine	2010	75150.00	Good
Bed Planter	2010	61500.00	Condemn
<b>AV aids</b>			
LCD	2007	101010.00	Good
Computer	2007	51800.00	Good
Camera	2008	20166.00	Condemn

### 1.8. A). Details of SAC meetings to be conducted in the year

Sl.No.		Date
1.	Scientific Advisory Committee	11-10-2023 (Proposed)

## 2. Details of District

### 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No.	Farming system/enterprise
1	Agriculture+ Animal Husbandry
2	Agriculture+ Animal Husbandry + Horticulture
3	Agriculture+ Horticulture

### 2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

#### a) Soil type

S. No.	Agro-climatic Zone	Characteristics
1	Middle Plane ( 5)	District comprises of 3 revenue sub division i.e. Chail, Sirathu & Manjhanpur, it has 8 development blocks. Total area of distt lies in between the holy rivers Ganga in north and Yamuna in south.

#### b) Topography

S. No.	Agro ecological situation	Characteristics
1	AES I	This AES comprises of Ganga and yamuna alluvial soil groups which account for 39.74% of the total area of the district. About 44.70% of this area is irrigated. This tract having sandy, sandy loam soil which pH ranging between 6.5-8.0. The major crop of this AES paddy, wheat (irrigated situation), Gram & arhar( un irrigated situation).Orchard vegetable.
2	AES II	This AES is characterized by sandy, sandy loam soil with pH between 7- 8.5. It constitute about 30.24% of total area about 46.6% of the area is irrigated. In this AES the major crop & enterprises is Paddy, Wheat, Arhar, Barley, Banana, Guava orchard, cow, buffalo, sheep & goat.
3	AES III	This AES also having sandy, sandy loam soil. The tract share about 24.8% of the total geographical area of the district. This AES is having about 44.6% area under irrigation and the major crop & enterprises existing in this AES are paddy, wheat, gram, arhar, potato banana, guava, cow, buffalo & goat.

### 2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Sandy Soil	Ideal soil with neutral pH and good drainage were suitable for cultivation of vegetables, pulses, oilseed and millets.	165077
2	Sandy Loam	Ideal soil with neutral pH, good water holding capacity, suitable for cultivation of vegetables, fruits, specially Banana, Papaya, Paddy, Wheat and oilseed	42423
3	Saline Soil	Soil physico-chemical properties are disturbed due to the high pH, ECe and negative effect of sodium ions. Suitable crops for cultivation of paddy and wheat.	9177
4	Alkaline Soil	High pH, EC & cat ions need reclamation.	411
5	Water Logged	At some extent use for cultivation of paddy need surface and sub surface drainage.	1593

### 2.4. Area, Production and Productivity of major crops cultivated in the district (2020)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Paddy	40533	640450	32.60
2	Jawar	7835	135750	17.33
3	Bajara	11593	139170	12.00

4	Maize	173	2490	14.39
5	Pigeon pea	11925	79730	6.69
6	Sesame	2011	4620	2.30
7	Groundnut	1063	6350	5.98
8	Urd	1260	6610	5.95
9	Wheat	63597	1322080	29.9
10	Barley	1063	1040	9.78
11	Gram	14516	144680	9.97
12	Mustard	1925	15450	8.5
13	Pea	660	6720	10.18
14	Toriya	887	709	7.99
15	Mango	1770	213285	121
16	Guava	3150	437220	139
17	Banana	2500	2000000	800
18	Vegetable Pea	2000	280000	140
19	Chilly	1250	262500	210

Source: District agriculture department.

### 2.5. Weather data (2021-22)

Months	Max Temp (OC)	Min Temp (OC)	Total Rainfall (mm)	No. of dry days
April	41.71	22.96	-	30
May	34.01	24.61	100.00	29
June	38.15	27.33	180.9	20
July	32.53	30.90	176.0	20
August	29.37	28.25	245.5	22
Sept	32.43	26.93	245.0	22
Oct	33.32	22.45	28.0	29
Nov	29.17	13.97	00.0	30
Dec	22.89	10.09	00.0	31
Jan	18.96	7.77	53.0	28
Feb	25.5	11.53	00.0	28
March	33.54	18.19	00.0	31
<b>Total</b>			<b>1028.4</b>	<b>290 (Rainy Days – 75)</b>

### 2.6 Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
<b>Cattle</b>			
Crossbred	33409	243880	10
Indigenous	118452	290205	5
<b>Buffalo</b>	168915	959432	8
<b>Sheep</b>	38225		
Crossbred	122227	74803	0.9
<b>Goats</b>	8384		
<b>Pigs</b>	40935		
Crossbred	33409	243880	10
Indigenous	118452	290205	5
<b>Poultry</b>			
Hens	332806		
Desi	56612		
<b>Category</b>		<b>Production (Q.)</b>	<b>Productivity</b>
Fish (Reservoir)	939	85.510	

\*Statistical report

### 2.7 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Manjhanpur	Manjhanpur				
	Kaushambi				

	Newada				
Chail	Muratganj	Charwa	Rice, Wheat, Urd , Moongp Pea, Mustard, Tomato, Brinjal, Okra, Mirch, Pumpkin, Lobiya, Gauva, Jack Fruit, Banana, Goat Keeping, Dairy	<ul style="list-style-type: none"> <li>• Lack of improved seed.</li> <li>• Lack of Fruit based enterprises.</li> <li>• Lack of Good Quality fodder.</li> <li>• Poor bread.</li> <li>• Lack of Veterinary Services.</li> <li>• Soil Fertility degradation.</li> </ul>	<ul style="list-style-type: none"> <li>• Seed production of Rice, Wheat &amp; Vegetable Crops.</li> <li>• Scientific Management of Guava &amp; Banana orchard.</li> <li>• Bread improvement</li> <li>• Live Stock maintenance and care.</li> <li>• Development of SMS.</li> </ul>
		Gauspur	Rice, Wheat, jower, Bajara, Arhar, Gram Toriya, Mustard, Carrot, Palak, Potato, beet root, Tomato, Guava, Dairy, Goat Keeping.	<ul style="list-style-type: none"> <li>• Lack of irrigation facility.</li> <li>• Poor soil fertility.</li> <li>• Soil erosion.</li> <li>• Lack of improved Seed.</li> <li>• Lack of Knowledge &amp; Skill.</li> <li>• Lack of promoting fruit plant</li> <li>• Lack of Promosing Breed.</li> <li>• Lack of employment.</li> </ul>	<ul style="list-style-type: none"> <li>• Promotion of resource conservation technology.</li> <li>• Promotion of fertility Management practices.</li> <li>• Scientific Management of orchard &amp; Promotion of seed production in vegetable and Cereal.</li> <li>• Breed Improvement.</li> <li>• Feeding Management.</li> <li>• Promotion of aromatic and medicinal plant cultivation.</li> <li>• Establishment of small scale enterprises through SHG's .</li> </ul>
		Umarcha	Rice, wheat, Jower, Bajara, Pea, Gram, Arhar, Mustard, Til, Carrot, Brinjal, Tomato, Potato, Gauva, Banana, Mauha, Muskmelon, Watermelon, Cucumber, Dairy & Goat keeping	<ul style="list-style-type: none"> <li>• Lack of irrigation facility.</li> <li>• Problematic Soil.</li> <li>• Low fertility of soil.</li> <li>• Lack of improved seed.</li> <li>• Lack of knowledge &amp; skill</li> <li>• Lack of promoting fruit plant</li> <li>• Lack of Promosing Breed.</li> <li>• Lack of employment</li> </ul>	<ul style="list-style-type: none"> <li>• Promotion of resource conservation technology.</li> <li>• Promotion of fertility Management practices.</li> <li>• Scientific Management of orchard &amp; Promotion of seed production in vegetable and Cereal.</li> <li>• Breed Improvement.</li> <li>• Feeding Management.</li> <li>• Promotion of aromatic and medicinal plant cultivation.</li> <li>• Establishment of small scale enterprises through SHG's .</li> </ul>
Sirathu	Kada			-	•

		Kesariya	Bajara, Citrus orchard, Guava, Mango, Wheat, tomato, brinjal, Potato, Maize	<ul style="list-style-type: none"> <li>- Lack of improved seed.</li> <li>- Lack of fruit based enterprises</li> <li>- Lack of good quality fodder.</li> <li>- Poor soil fertility.</li> <li>- Lack of irrigation facility.</li> <li>- Lack of Good Quality animal breed.</li> <li>• -Lack of knowledge and skill about improved technology.</li> </ul>	<ul style="list-style-type: none"> <li>- Provide improved Quality of Seed.</li> <li>- To established fruit based small enterprises and scientific Management of Guava and citrus orchard.</li> <li>• -Good quality of fodder.</li> <li>- Promotion of fertility management practices.</li> <li>• -Promotion of RCT.</li> <li>- Breed Management.</li> <li>• - Feed Management.</li> </ul>
Sirathu		Sindiya Amad Karari	Rice, Wheat, Urd , Moongp Pea, Mustard, Tomato, Brinjal, Okra, Mirch, Pumpkin, Lobiya, Gauva, Banana, Goat Keeping, Dairy	<ul style="list-style-type: none"> <li>• Lack of improved seed.</li> <li>• Lack of Fruit based enterprises.</li> <li>• Lack of Good Quality fodder.</li> <li>• Poor bread.</li> <li>• Lack of Veterinary Services.</li> <li>• Soil Fertility degradation.</li> </ul>	<ul style="list-style-type: none"> <li>• Seed production of Rice, Wheat &amp; Vegetable Crops.</li> <li>• Scientific Management of Guava &amp; Banana orchard.</li> <li>• Bread improvement</li> <li>• Live Stock maintenance and care.</li> <li>• Establishment of Small Scale enterprises through SHG's</li> </ul>
		Badhanpur Kadipur	Rice, Wheat, Gram, Pigeon pea, Seasmum, Mustard,Chilli, Brinjal Tomato, Guava, Goatry and Dairy farming.	<ul style="list-style-type: none"> <li>• Lack of improved seed.</li> <li>• Lack of Fruit based enterprises.</li> <li>• Lack of Good Quality fodder.</li> <li>• Poor bread.</li> <li>• Lack of Veterinary Services.</li> <li>• Soil Fertility degradation.</li> </ul>	<ul style="list-style-type: none"> <li>• Seed production of Rice, Wheat &amp; Vegetable Crops.</li> <li>• Scientific Management of Guava orchard.</li> <li>• Bread improvement</li> <li>• Live Stock maintenance and care.</li> <li>• Establishment of Small Scale enterprises through SHG's</li> <li>• Soil fertility Management practices.</li> </ul>
		Kasiya Paschim	Rice, Wheat, Pigeon pea,seasmum, Mustard, Bajara, Maize, Guava, Water melon, Pumpkin, bottle guard, Goatry, Dairy, Poultry	<ul style="list-style-type: none"> <li>• Lack of improved seed.</li> <li>• Lack of Good Quality fodder.</li> <li>• Poor bread.</li> <li>• Lack of Veterinary Services.</li> <li>• Soil Fertility degradation.</li> <li>• Soil erosion.</li> </ul>	<ul style="list-style-type: none"> <li>• Seed production of Rice, Wheat &amp; Vegetable Crops.</li> <li>• Scientific Management of Guava orchard.</li> <li>• Bread improvement</li> <li>• Live Stock maintenance and care.</li> <li>• Establishment of Small Scale enterprises through SHG's</li> <li>• Soil fertility Management practices.</li> </ul>



Manjhanpur	Bara, Kaushambi	Rakshwara	Rice, wheat, Jower, Bajara, Pea, Gram, Arhar, Mustard, Til, Brinjal, Tomato, Potato, Banana, Mauha, Muskmelon, Watermelon, Cucumber, Dairy & Goat keeping	<ul style="list-style-type: none"> <li>• Lack of irrigation facility.</li> <li>• Problematic Soil.</li> <li>• Low fertility of soil.</li> <li>• Lack of improved seed.</li> <li>• Lack of knowledge &amp; skill</li> <li>• Lack of promoting fruit plant</li> <li>• Lack of Promoting Breed.</li> <li>• Lack of employment</li> </ul>	<ul style="list-style-type: none"> <li>• Promotion of resource conservation technology.</li> <li>• Promotion of fertility Management practices.</li> <li>• Scientific Management of orchard &amp; Promotion of seed production in vegetable and Cereal.</li> <li>• Breed Improvement.</li> <li>• Feeding Management.</li> <li>• Promotion of aromatic and medicinal plant cultivation.</li> <li>• Establishment of small scale enterprises through SHG's .</li> </ul>
		Sondhiya	Rice, Wheat, jower, Bajara, Arhar, Gram Til, Mustard, Bittergourd, Palak, Potato, beet root, Tomato, Guava, Dairy, Goat Keeping.	<ul style="list-style-type: none"> <li>• Lack of irrigation facility.</li> <li>• Poor soil fertility.</li> <li>• Soil erosion.</li> <li>• Lack of improved Seed.</li> <li>• Lack of Knowledge &amp; Skill.</li> <li>• Lack of promoting fruit plant</li> <li>• Lack of Promoting Breed.</li> <li>• Lack of marketing</li> <li>• Lack of small enterprises.</li> </ul>	<ul style="list-style-type: none"> <li>• Promotion of aromatic and medicinal plant cultivation.</li> <li>• Establishment of small scale enterprises through SHG's</li> <li>• Promotion of resource conservation technology.</li> <li>• Promotion of fertility Management practices.</li> <li>• Scientific Management of orchard &amp; Promotion of seed production in vegetable and Cereal.</li> <li>• Breed Improvement.</li> <li>• Feeding Management.</li> </ul>
Chail	Newada	Kotiya Kundhari	Rice, Wheat, jower, Bajara, Arhar, Gram Til, Mustard, Guava, Banana, Bittergourd, Palak, Potato, beet root, Tomato, Guava, Dairy, Goat Keeping.	<ul style="list-style-type: none"> <li>• Lack of improved seed.</li> <li>• Lack of Fruit based enterprises.</li> <li>• Lack of Good Quality fodder.</li> <li>• Poor breed.</li> <li>• Lack of Veterinary Services.</li> <li>• Soil Fertility degradation.</li> <li>• Lack of marketing</li> </ul>	<ul style="list-style-type: none"> <li>• Seed production of Rice, Wheat &amp; Vegetable Crops.</li> <li>• Scientific Management of Guava &amp; Banana orchard.</li> <li>• Bread improvement</li> <li>• Live Stock maintenance and care.</li> <li>• Breed Improvement.</li> <li>• Feeding Management.</li> <li>• Establishment of small scale enterprises through SHG's</li> </ul>
		Govindpur	Rice, Wheat, Urd, Moong, Pea, Mustard, Tomato, Brinjal, Okra, Mirch, Pumpkin, Lobiya, Gauva, Jack Fruit, Banana, Goat Keeping, Dairy	<ul style="list-style-type: none"> <li>• Lack of improved seed.</li> <li>• Lack of Fruit based enterprises.</li> <li>• Lack of Good Quality fodder.</li> <li>• Poor breed.</li> <li>• Lack of Veterinary Services.</li> <li>• Soil Fertility degradation.</li> </ul>	<ul style="list-style-type: none"> <li>• Seed production of Rice, Wheat &amp; Vegetable Crops.</li> <li>• Scientific Management of Guava &amp; Banana orchard.</li> <li>• Bread improvement</li> <li>• Live Stock maintenance and care.</li> <li>• Establishment of small scale enterprises through SHG's</li> </ul>

Sirathu	Sirathu	Bashoni	Rice, Wheat, Gram, Pigeon pea, Seasmum, Mustard, Chilli, Brinjal Tomato, Potato, Guava, Banana, Goatry and Dairy farming.	<ul style="list-style-type: none"> <li>• Lack of improved seed.</li> <li>• Lack of Fruit based enterprises.</li> <li>• Lack of Good Quality fodder.</li> <li>• Poor bread.</li> <li>• Lack of Veterinary Services.</li> <li>• Soil Fertility degradation.</li> </ul>	<ul style="list-style-type: none"> <li>• Seed production of Rice, Wheat &amp; Vegetable Crops.</li> <li>• Scientific Management of Guava orchard.</li> <li>• Bread improvement</li> <li>• Live Stock maintenance and care.</li> <li>• Establishment of Small Scale enterprises through SHG's</li> <li>• Soil fertility Management practices.</li> </ul>
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## 2.8 Priority thrust areas

S. No	Priorities
1	Use of Quality seed and weed management for field crops.
2.	Promotion of Integrated Farming System Model for small & marginal farmers
3.	Promotion of crop residue management practices through decomposer/mechanization
4	Use of balance fertilizer with special emphasis on micro nutrient and cultures.
5	Promotion of Resource Conservation Technology, Quality planting materials.
6	Promotion of aromatic plant cultivation under rain fed conditions.
7	Use of fertilizer on the basis of soil health card & Sodic soil management
8	Promotion of organic farming in Agriculture & production & use of Bio-fertilizer
9	Development of cropping modules according to AES
10	Promotion of Bio-Control agents/ Bio-pesticide/Pheromone Tap/Bio-Pesticide.
11	Breed improvement of animals.
12	Health and hygiene for live stock according to normal farm condition.
13	Development of small-scale enterprises by animal farming.
14	Capacity building and training for income generating activity.
15	Gender main streaming through SHG
16	Refinement & Standardization of ITKs
17	Drudgery reduction of farm produce/ farm women & food security
18	Promotion & Awareness about the bio-fortified varieties of different crops
19	Rainwater harvesting
20	Swacchta Abhiyan

## 2. TECHNICAL PROGRAMME

### A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)	(2)	(3)	(4)
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
11	54	75.00 & (34 Unit)	212

Training		Extension Activities	
(3)	(4)	(5)	(6)
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2000	301	8554

Seed Production (Qtl.)	Planting material Production (Nos.)	Fish seed prod. (Nos.)	Soil Samples analyzed (Nos.)	Development of Soil Health Cards (Nos.)
(5)	(6)	(7)	(8)	(9)
200	20000		500	1500

Quality seed distributed (q)	No. of saplings distributed (Nos.)	No. of fingerlings distributed (Nos.)	No. of livestock & poultry strains distributed (Nos.)
(10)	(11)	(12)	(13)
200	20000	--	--

**Abstract of interventions to be undertaken**

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Varietal Improvement	Paddy Wheat Bajra Mustard Vegetables Pea Lentil	Low yield of Lentil in Salt Pron Area	Evaluation of Newly Released Salt Tolerant Variety (Lentil-PDL-1)	Use of Salt tolerant Variety of Paddy in sodic soil. Use of hybrid bajara. Use of High Yielding Variety in Wheat. Use of High Yielding Variety in Mustard. High yielding Early maturing vegetable pea variety- kasha Angeti	Importance of new varieties of paddy and nursery raising - Importance of wheat variety according to time - Selection of varieties for late sown oilseed and pulses crop	Impact of climate change on crops	Field day  Kisan Gosthi	Seed & chemical
2	Disease Management	Paddy Buffalo and cow			Seed treatment with carbendazim and Use of fungicide (Propiconazole) at 55 DAT in Paddy. Management of cystic ovarian condition in lactating animals	Role of vaccination (H.S.) in farm animals - Summer stress management for farm condition animals Neo born/ neonatal animal management - To immunized animals for FMD - Awareness about rainy season diseases among children - Role of vaccination (H.S.) in farm animals - Role of CPP and ET vaccine in small animals - Integrated disease management in urd and mung bean crops - Disease occurs 0-5 years children, prevention and nutritional management	Animal hygiene and health programme for Paravets	Field day  Animal Camp	Seed Mineral mixture
3	Cropping system	Paddy, Potato, Wheat, Moong	Low income through existing cropping system.	Assessment of Economic feasibility of Hybrid and Basmati Rice and its effect on succeeding crops..					Seed

4	Integrated Crop Management					<ul style="list-style-type: none"> <li>- Package and practices of Arhar cultivation</li> <li>- Crop management for kharif crop</li> <li>- Package and practice for toria crop</li> <li>- Package and practices for zaid season crop</li> </ul>		Field day	Polythene Mulch paper and papaya red lady
5	Production and Management technology					<ul style="list-style-type: none"> <li>- Neo born/ neonatal animal management - Entrepreneurship development activities through small animals-goat and poultry</li> <li>- Methods for Management of Problematic Soil</li> <li>- Technique and use of Vermin-compost</li> <li>- Need and techniques of nursery raising of cucurbitaceous crop</li> </ul>	Breed improvement programme through A.I. Tech. for Paravets - Scientific Technology for reclamation of Sodic Soil		
6	Designing and development fro high nutrient deficiently diet	Cereals Guava and Aonal				<ul style="list-style-type: none"> <li>Information about high nutrient rich recipes</li> <li>- Care and Nutrition at All stages of Life Cycle</li> </ul>	Information about care and diet of pregnant women	Field day	
7	Popularization of RCT	Arhar			Use of bed planter	<ul style="list-style-type: none"> <li>Role of RCT in Crop cultivation.</li> <li>Use of Zero till seed drill in wheat sowing.</li> <li>Awareness about new irrigation system. Package and practices of Arhar cultivation</li> </ul>		Field day	Seed

8	Nutrient Management / INM	Sesame Groundnut Soyabean Cabbage and cauliflower Tomato Okra	Low yield in cabbage due to micronutrient deficiency Low yield and quality of tomato due to non sticking method and imbalance use of fertilizer. Imbalance use of nutrients affected the yield and quality of Okra	Assessment of micronutrients in Cole crops increase yield and reduce. To assess the effect of Stacking in tomato improves yield and quality and also the foliar application bio fertilizer , water soluble fertilizer and micronutrient to increase nitrogen use efficiency. Use of balance nutrients for good quality and high yield.	Use of Sulphur in Sesame. Application of Sulphur in Groundnut @ 20 kg/ha. Application of Sulphur in Soyabean @ 20 kg/ha	- Importance of organic and inorganic source for balance fertilizers of rabi crop. - Nutrient Management of summer season vegetable crop - Nutrient management in Guava - Importance of micronutrient in Pulse crop - Nutrient management in chilly Bringal and Cucurbits - Integrated Nutrient management in summer moong production - Enhancement of Soil Fertility status through Green manuring - Improvement of Kharif Crop production through INM -	Field day	Soil Health Camp	Soil Health Card.
9	Weed Management	Chickpea Urd Moong			Use of pre emergence herbicide	Method for application of pre emergence herbicide in Rabi and Zaid Season Pulses	Field day	Kisan Gosthi	seed
10	Seasonal Vegetables whole year				Nutritional Kitchen garden	-- Information about Nutritional Kitchen garden - Information about drudgery reduction farm implements for women - Information about design and development of different models of kitchen management			

11	Integrated pest management	Chilli Brinjal	Heavy yield loss of chilli crop due to chilli leaf curl and other complex disease. Heavy yield loss of brinjal crop due to fruit and shoot borer infestation	Assessment of different IPM module for the management chilli leaf curl and other complex disease. Assessment of different IPM module for the management Brinjal fruit and shoot borer.		- Safe and judicious use of pesticide - Major Insect pest and diseases For kharif season crop - IPM in Rabi crops - Bio-control agents , Traps for management pest and disease of Fruit and Vegetable crops and minimize the use of Water from Foliar application of Pesticide - Pest management for summer vegetables - Bio-control agents , Traps for management pest and disease of Fruit and Vegetable crops and minimize the use of Water from Foliar application of Pesticide	- Information about bio-control agents of pest and disease of crop and safe and judicious use of pesticide		
12	Protected cultivation	Bittergaurd			Use of improved variety of Bitturgaurd with Macchan technology			Field day	
13	Value Addition	Wheat Bajra Rice Green Moong Dal			Multicereal Seasonal Vegetables Nutritional Porridge	Value added techniques for fruits and vegetables -Information about Value addition in Fruit and vegetables Value addition of milk for betterment use			
13	Feed and fodder Management	Pig Buffalo and cow	Less body weight and Management	Assessment of traditional feeding vs commercial feeding (low cost) for pig in district Kaushambi	Use of module* for availability of green fodder round the year.	Dairy animals Feed management		Field day Animal Health camp	
14	Water management					- Awareness about precise irrigation system - Importance of micro-irrigation system for horticultural crop			
15	Soil water conservation					Importance of Soil and water conservation			

16	Drudgery Reduction	Chilli	High level of Drudgery among farm women during transplanting of vegetables seedlings	Use of (Naveen Dibbler) Hand operated Vegetable Transplante						
17	Dairy Management	Dairy cattle	New born male calves.	Assessment of sex sort semen dairy animal.						Seedling of Cabbage
18	Anoestrus problem+ Nutritional Management	Bovine			Management of cystic ovarian condition in lactating animals					
19	Women & Child care		Low Body Weight & Height of Below Three years baby due to malnutrition /undernourishment	Supplementary food through homemade weaning diet						

### 3.1 Technologies to be assessed.

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation			1							1
Integrated Crop Management	1									1
Integrated Nutrient Management/ Nutrient management					3					3
Drudgery reduction					1					1
Farm machineries										
Value addition	1									1
Integrated Pest Management					2					2
<b>TOTAL</b>	<b>2</b>		<b>1</b>		<b>6</b>					<b>9</b>

#### A.2. Abstract on the number of technologies refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
<b>TOTAL</b>										

#### A.3. Abstract on the number of technologies assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Disease of Management	1							1
Small Scale income generating enterprises					1			1
<b>TOTAL</b>	<b>1</b>				<b>1</b>			<b>2</b>

#### A.4. Abstract on the number of technologies refined in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
<b>TOTAL</b>								

**Details of On Farm Trial (Based on soil test analysis)**

**On Farm Trial – (Agronomy)**

1	Crop	Paddy, Potato, Wheat, Moong.
2	Title of Problem	Low income through existing cropping system.
3	Possible Solution	Assessment of Economic feasibility of Hybrid and Basmati Rice and its effect on succeeding crops.
4	Farming Situation	Irrigated.
5	Production system and thematic area	Rice- wheat cropping system
6	Farmers Practices	Hybrid Paddy (Pro Agro-6444)-Wheat(PBW-343)-Moong (Samrat).
7	Technology selected for assessment / refinement	Use of Short duration Hybrid Rice with new cropping module.
8	Source of technology	SVPUA&T, Meerut
9	No. of Farmers	4
10	Critical Input	Seed
11	Performance indicator	
	Technical	Yield Q/ha
	Economical	Sowing Cost, Yield q./ha, C:B ratio
	Social	Acceptability
12	Experimental Details	
	Experimental Design	RBD
	Treatment	T1- Farmer Practice- Hybrid Paddy (Pro Agro-6444-Wheat (PBW-343)-Moong(Samrat). T2- Short duration Hybrid Rice (JK-1220)-Early Potato (Kufari Ashoka/Khyati)-Late Wheat(K9402)-Moong (IPM 2-3).
	Plot Size	2500m <sup>2</sup>
	On Farm Trial Cost	15000.00
13	Performance Parameter	Crop wise Yield q./ha, , Total yield, Gross Cost, Net return C:B ratio

**On Farm Trial (Home Science)**

1	<b>Crop</b>	<b>Vegetables Seedlings</b>
2	Title of Problem	High level of Drudgery among farm women during transplanting of vegetables seedlings
3	Possible Solution	Use of (Naveen Dibbler) Hand operated Vegetable Transplanter
4	Farming Situation	Irrigated
5	Production system and thematic	Irrigated and Drudgery Reduction
6	Farmers Practices	Traditional
7	Technology selected for assessment	Farm implement –{ Naveen Dibbler) Hand operated Vegetable Transplanter
8	Source of technology	ANGRU, Hyderabad
9	No. of beneficiaries	04
10	Critical Input	Hand operated vegetable Transplanter
11	Performance indicator	
	Technical	Time Spend v/s Area ,Tool handling factors, work efficiency /hrs.
	Economical	Labor cost saving, C:B ratio



	Social	Acceptability
12	Experimental Details	.
	Experimental Design	RBD
	Treatment	T1- Farmer practices (Traditional) T2- Use of (Naveen Dibbler) Hand operated vegetable transplanter
	On Farm Trial Cost	8000.00/Rs.
13	Performance Parameter	Time Spend v/s Area implement Handling & Easiness C:B ratio Acceptability.

#### On Farm Trial (Home Science)

1	Title of Problem	Low Body Weight & Height of Below Three years baby due to malnutrition /undernourishment
2	Possible Solution	Supplementary food through homemade weaning diet
3	Farming Situation	Household
4	Production system and thematic	Women & Child care
5	Farmers Practices	No feeding of supplementary food
6	Technology selected for assessment	Home Made supplementary food
7	Source of technology	NIN, Hyderabad
8	No. of beneficiaries	04
9	Critical Input	Cereals & jaggery
10	Performance indicator	
	Technical	Percent of Nutrients Gain, Measurement of body weight and height/ BMI , Physical and sensory parameters
	Economical	Cost of diet
	Social	Acceptability
11	Experimental Details	.
	Experimental Design	RBD
	Treatment	T1- Farmer's practice (No feeding of supplementary foods) T2- Wheat food mixture (wheat + gram pulse + groundnut + jaggery+ sesame seed @ 10:3:2:6:1) (250gm./day for 4 months)
	On Farm Trial Cost	6000.00/Rs.
12	Performance Parameter	Percent of Nutrients Gain, Measurement of body weight and height/ BMI Cost of diet Acceptability

#### On Farm Trial (Soil Science)

1	Crop	Okra
2	Title of Problem	Imbalance use of nutrients affected the yield and quality of Okra
3	Possible Solution	Use of balance nutrients for good quality and high yield.
4	Farming Situation	Irrigated
5	Production system and thematic area	INM
6	Farmers Practices	Use of Imbalance Nutrients
7	Technology selected for assessment / refinement	Assessment of balance dose nutrients on the basis of STR
8	Source of technology	SHUATS, Prayagraj
9	No. of Farmers	04
10	Critical Input	Soil testing and Recommended nutrients
11	Performance indicator	
	Technical	Soil Test (pre & post)      Yield (q/ha)
	Economical	Yield (q/ha)                      C:B ratio

		Social	Acceptability and degree of success
12	Experimental Details		
	Experimental Design		RBD
	Treatment		T <sub>1</sub> -Farmer Practice – Imbalance use of nutrients NPK (100:50:60) T <sub>2</sub> - Use of balance dose of nutrients NPK (70:40:40)
	Plot		2500 m <sup>2</sup>
	On Farm Trial Cost		8000.00
13	Performance Parameter	Soil Test ( Pre & Post) Net Income	Yield (q/ha.) C: B ratio

#### On Farm Trial (Soil Science)

1	Crop		Lentil
2	Title of Problem		Low yield of Lentil in Salt Pron Area
3	Possible Solution		Evaluation of Newly Released Salt Tolerant Variety (Lentil-PDL-1)
4	Farming Situation		Irrigated
5	Production system and thematic area		Salt Tolerant Varietal Evaluation
6	Farmers Practices		Use of Unsuitable Variety in Salt Affected Soil
7	Technology selected for assessment / refinement		Assessment of lentil Variety (PDL-1) in salt affected soil.
8	Source of technology		CSSRI, Karnal
9	No. of Farmers		04
10	Critical Input		Seed & Chemical
11	Performance indicator		
		Technical	Soil test (pre & post)      Yield Q/ha.
		Economical	Yield Q/ha.                      C:B ratio
		Social	Acceptability and Degree of Success
12	Experimental Details		
	Experimental Design		RBD
	Treatment		T <sub>1</sub> - Farmer Practice – Use of lentil variety (Pant lentil). T <sub>2</sub> -Use of lentil Variety (PDL-1).
	Plot Size		2500m <sup>2</sup>
	On Farm Trial Cost		8000.00
13	Performance Parameter	Soil Test (Pre & Post) Net Income	Yield (q/ha.) C: B ratio

#### On Farm Trial (Horticulture)

1	Crop		<b>Cabbage and cauliflower</b>
2	Title of Problem		Low yield in cabbage due to micronutrient deficiency
3	Possible Solution		Assessment micronutrients in Cole crops increase yield and reduce
4	Farming Situation		Irrigated
5	Production system and thematic area		Nutrient Management
6	Farmers Practices		Imbalance use of fertilizer (NPK 200:225:150) and micronutrient d deficiency
7	Technology selected for assessment /		Three foliar Sprays of micronutrients mixture (Zn, Cu, Fe, Mn nd Mo and B
8	Source of technology		IIVR, Varanasi
9	No. of Farmers		04
10	Critical Input		Fertilizers and seed
11	Performance indicator		
		Technical	No of affected plants per sqm due to deficiency of (Zn, Cu, Fe, Mn @ 100

		Economical	Gross return	C:B ratio
		Social	Acceptability and degree of success	
12	Experimental Details			
	Experimental Design		RBD	
	Treatment	T1- Farmer Practice-( imbalance use of fertilizer (NPK 200:225:150) and micronutrient d deficiency) T2- Three foliar Sprays of micronutrients mixture (Zn, Cu, Fe, Mn @ 100 ppm and Mo and B @ 50 ppm) at 10 days interval 30 days after transplanting		
	Plot Size	2500 sqm2		
	On Farm Trial Cost	8000.00		
13	Performance Parameter	No of affected plants per sqm due to deficiency of molybdenum & boron Yield (q/ha.)		

#### On Farm Trial (Horticulture)

1	Crop	Tomato		
2	Title of Problem	Low yield and quality of tomato due to non sticking method and imbalance		
3	Possible Solution	To assess the effect of Stacking in tomato improves yield and quality and also		
4	Farming Situation	Irrigated		
5	Production system and thematic area	Planting method and Nutrient management		
6	Farmers Practices	Use of non sticking method and imbalance use of fertilize r		
7	Technology selected for assessment /	Assessment of Stacking in tomato improves yield and quality and also the		
8	Source of technology	IIVR, Varanasi		
9	No. of Farmers	04		
10	Critical Input	Bio-fertilizer , Water soluble fertilizer and seed		
11	Performance indicator			
		Technical	Soil analysis,	
		Economical	Gross return	C:B ratio
		Social	Acceptability and degree of success	
12	Experimental Details			
	Experimental Design		RBD	
	Treatment	T1- Use of non sticking method and imbalance use of fertilize r T2-Use of sticking method + Seedling treatment with bio fertilizers (Azospirillum and Phosphorus Solubilizing Bacteria (PSB) (one kg each Biofertilizer 500g Jaggary + 4 lit. of water)+ Three foliar sprays of Water Soluble Fertilizers (NPK 19:19:19) @ 0.5% 30 DAT at 10 days interval+ Foliar application of micronutrient mixture (zinc & boron) @ 0.1%		
	Plot Size	2500m2		
	On Farm Trial Cost	10000.00		
13	Performance Parameter	Soil analysis, Yield (q/ha.) Cost of cultivation		

#### On Farm Trial (Veterinary Science)

1	Animal	Pig		
2	Title of Problem	Less body weight and Management		
3	Possible Solution	Assessment of traditional feeding vs commercial feeding (low cost) for pig in district Kaushambi		
4	Farming Situation	Household requirement		
5	Production system and thematic area	Small Scale Income generating Enterprises and Health & Disease		
6	Farmers Practices	Traditional feeding (rice brawn 11.3% protein)		
7	Technology selected for assessment / refinement	Low cost commercial feed containing 16-24% protein DCP, antibiotics, ground chalk powder, vitamin and mineral mixture		

8	Source of technology	ICAR Research complex, NEH region Meghalaya, India
9	No. of Farmers	2
10	Critical Input	DCP, antibiotics, ground chalk powder, vitamin and mineral mixture.
11	Performance indicator	
	Technical	Body weight at 2, 4, 6 ,8, 10 months. Fertility %, age of first conception and disease parameter
	Economical	Income Return and C:B
	Social	Acceptability and Degree of Success
12	Experimental Details	
	Experimental Design	RBD
	Treatment	T1- Farmer Practice - Traditional feeding (rice brawn 11.3% protein) T-2 Low cost commercial feed containing 16-24% protein DCP, antibiotics, ground chalk powder, vitamin and mineral mixture
	Plot Size	20 piglets in each group (Total 40)
	On Farm Trial Cost	Rs. 8000.00
13	Performance Parameter	Body weight at 2, 4, 6 ,8, 10 months. Fertility %, age of first conception and disease parameter Income Return, C:B ratio

#### On Farm Trial (Veterinary Science)

1	Animal	Dairy cattle
2	Title of Problem	New born male calves.
3	Possible Solution	Assessment of sex sort semen in dairy animal.
4	Farming Situation	Crop + Livestock
5	Production system and thematic area	Health and Disease
6	Farmers Practices	No use of Sex sort semen for dairy animals
7	Technology selected for assessment /	Assessment of sex sort semen for dairy animal.
8	Source of technology	UPLDB,U.P.
9	No. of Farmers	20
10	Critical Input	To provide Sex sort semen for estrous animal.
11	Performance indicator	
	Technical	% of conception, Male: female
	Economical	
	Social	Acceptability and Degree of Success
	Experimental Details	
12	Experimental Design	RBD
	Treatment	T1- Farmer Practice - No use of Sex sort semen for dairy animals T2 - Use of sex sort semen for dairy animal.
	Animal no.	20
	On Farm Trial Cost	Rs. 10000.00
13	Performance Parameter	% of conception, Male: female

1	Crop	Chilli
2	Title of Problem	Heavy yield loss of chilli crop due to chilli leaf curl and other complex disease
3	Possible Solution	Assessment of different IPM module for the management chilli leaf curl and other complex disease
4	Farming Situation	Irrigated.
5	Production system and thematic area	IPM.

6	Farmers Practices	No use of appropriate IPM practices.
7	Technology selected for assessment / refinement	Assessment of different IPM module for the management chilli leaf curl and other complex disease
8	Source of technology	UAS DHarwad
9	No. of Farmers	02
10	Critical Input	Chemicals +Seed of marigold and Maize
11	Performance indicator	% Disease incidence , Chilli leaf curl index and % fruit damage
	Technical	% Disease incidence , Chilli leaf curl index and % fruit damage
	Economical	Gross return, C:B ratio
	Social	Acceptability and degree of success
12	Experimental Details	
	Experimental Design	RBD
	Treatment	T1- Farmer Practice- No use of appropriate IPM practices T2- M1-Adaptable Module - Application of neem cake @ 2.5 q/ha at the time of sowing + growing one row of marigold as a trap crop (1:16) and two rows of maize as barrier crop + root dip with imidacloprid 17.8 SL @ 0.5 ml/l for 30 min. at the time of transplanting + azadirachtin 10,000 ppm @ 1.0 ml/l + diafenthiuron 50 WP @ 1.0 g/l @ 0.5 ml/l + rynaxypyr 18.5 SC @ 0.2 ml/l. M2- Chemi-intensive Module- Root dip with imidacloprid 17.8 SL @ 0.5 ml/l for 30 min. at the time of transplanting + foliar application of acetamiprid 20 SP @ 0.2 g/l + fenpropathrin 30 EC @ 0.5 ml/l + diafenthiuron 50 WP @ 1.0 g/l + spiromesifen 240 SC @ 1 ml/l + spinosad 45 SC @ 0.2 ml/l + rynaxypyr 18.5 SC @ 0.2 ml/l.
	Plot Size	16 Plants (Area-216 m <sup>2</sup> )
	On Farm Trial Cost	8000.00
13	Performance Parameter	% Disease incidence , Chilli leaf curl index and % fruit damage Gross return, C:B ratio Acceptability and degree of success

### On Farm Trial (Plant Protection)

1	Crop	Brinjal
2	Title of Problem	Heavy yield loss of brinjal crop due to fruit and shoot borer infestation
3	Possible Solution	Assessment of different IPM module for the management Brinjal fruit and shoot borer
4	Farming Situation	Irrigated.
5	Production system and thematic area	IPM.
6	Farmers Practices	No use of appropriate IPM practices.
7	Technology selected for assessment / refinement	Assessment of different IPM module for the management Brinjal fruit and shoot borer
8	Source of technology	UAS DHarwad
9	No. of Farmers	02
10	Critical Input	Chemicals
11	Performance indicator	
	Technical	% larval infestation and % fruit damage
	Economical	Gross return, C:B ratio
	Social	Acceptability and degree of success
12	Experimental Details	
	Experimental Design	RBD
	Treatment	T1-Farmer Practice- The farmers mostly relied on the chemicals like carbaryl, chloropyrifos, cypermethrin, fenvalarate, malathion, methomyl, monocrotophos, chloropyrifos+cypermethrin, phenthoate, profenophos+cypermethrin and on an average the farmers have gone for 15 rounds of spray during the crop growth period as per their own will. T2- Module-1- Soil incorporation of neem cake @ 150 kg ha <sup>-1</sup> (50% at transplanting and 50% at 3 weeks after transplanting)+alternate spraying of neemacin (1500 ppm azadirachtin) @ 3 ml l <sup>-1</sup> of water and Bt @ 2 g l <sup>-1</sup> of water at 10 days interval twice at vegetative stage and six times commencing with fruiting stage+installation of pheromone traps from 30 DAT @ 70 ha-

		1++ regular clipping of infested shoots and destruction of infested fruits. Module-2- Application of carbofuran 3 G @ 1 kg a.i ha-1 at 2 weeks after transplanting+Spraying a mixture of cartap hydrochloride @ 1 g l-1 of water and diflubenzuron @ 0.5 g l-1 of water at 10 days interval twice at vegetative stage and six times commencing with fruiting stage++ regular clipping of infested shoots and destruction of infested fruits.. Module-3- Soil application of fipronil 0.3 G @ 0.75 kg a.i. ha-1 at 2 weeks of transplanting+intercropping with cluster bean in 3:1 ratio (additive series)+Alternate foliar spray of thiodicarb 75 WP @ 1.5 g l-1 of water and flubendiamide 20 WG @ 0.4 g l-1 of water at 10 days interval twice at vegetative stage and six times commencing with fruiting stage+ regular clipping of infested shoots and destruction of infested fruits.
	Plot Size	25000 m2
	On Farm Trial Cost	6000.00
13	Performance Parameter	% larval infestation and % fruit damage Gross Income, Net Income, C: B ratio

### 3.2 Frontline Demonstrations

#### A. Details of FLDs to be organized (Based on soil test analysis)

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
1	Paddy	DRH-775	Disease Management	Seed treatment with carbendazim and Use of fungicide (Propiconazole) at 55 DAT	Seed, Chemical	Kharif, 2023	6ha	15	% of disease incidence Yield Q/ ha. Cost of Cultivation. Cost of yield. Profit
2	Paddy	CSR-46	Varietals improvement	Use of Salt tolerant Variety in sodic soil.	Seed, Chemical	Kharif, 2023	6 ha	15	No of tillers / hill Yield Q/ ha. Cost of Cultivation. Cost of yield. Profit
3	Bajra	86M88	Varietals Improvement	Use of hybrid bajara.	Seed	Kharif 2023	6 ha	15	No. of cobs/ Plant. Yield Q/ha. Cost pf Cultivation, Profit.
4	Wheat	HD-3226/DBW 187	Varietals improvement	Use of variety	Seed	Rabi 2023	6 ha	15	No. of tillers / plant. No of grain/ ear head Yield Q / ha. Cost of Cultivation. Cost of yield. Profit
5	Sesame	RT-351	Nutrient Management	Use of Sulphur	Seed + Sulphur	Kharif 2023	6 ha	15	No. of capsules/ plant Yield Q / ha Cost of Cultivation. Cost of yield. Profit
6	Groundnut	Raj moongfali-2	NM (Nutrient Management)	Application of Sulphur in Groundnut @ 20 kg/ha	Sulphur & Cabendazin	Kharif 2023	4 ha	10	Yield Q/ha. Cost of Cultivation. Cost of Yield. Profit
7	Mustard	Pusa Vijay	Varietals Improvement	Use of variety	Seed	Rabi 2023	6 ha	15	No of Siliqua/ plant Yield qntl / ha. Cost of Cultivation. Cost of yield. Profit
8	Arhar	IPA-206	Popularization of RCT	Use of bed planter	Seed + bed planter	Kharif 2023	6 ha	15	% of dry plants due to wilting & uneven rain. Yield Q/ ha Cost of Cultivation. Cost of yield. Profit
9	Chick pea	GNG-1581	Weed management	Use of pre emergence herbicide	Seed and herbicide	Rabi-2023	6 ha	15	No.of weeds / m2 Yield Q/ ha. Cost of Cultivation. Cost

									of yield. Profit
10	Urd	Sekhar-3	Weed management	Use of pre emergence herbicide	Seed and herbicide	Zaid-2023	6ha	15	No of weeds / m2 Yield Q/ ha. Cost of Cultivation. Cost of yield. Profit
11	Moong	Swati	Weed Management	Use of pre emergence herbicide	Seed and herbicide	Zaid-2023	6 ha	15	No of weeds / m2 Yield Q/ ha. Cost of Cultivation. Cost of yield. Profit
12	CFLD Soyabean	JS-2034	NM (Nutrient Management)	Application of Sulphur in Soyabean @ 20 kg/ha	Sulphur & Cabendazin	Kharif 2023	6ha	15	Yield Q/ha. Cost of Cultivation. Cost of Yield. Profit
13	Bovine	Buffalo and cow	Anoestrus problem+ Nutritional Management	Management of cystic ovarian condition in lactating animals	- inj. Heat reg (3ml/ animal) - dewormer - Mineral mixture (30 gm/ animal/day)	2023	25	10	% of disease in selected animals. Animals responded. % of animal conception.
14	Fodder crop	Bufalo and cow *(April – June) Maize/Bajra + Cow pea. (July- Oct) Sorghum + Cow pea. (Sep- Nov) Maize + Cow pea. (Nov- March) Barseem + Oat	Feed Management	Use of module* for availability of green fodder round the year.	older seed Kharif +Rabi-Zaid	2023	1 ha.	04	Requirement of green fodder per day/animal. Yield of green fodder/ha. Cost of cultivation C:B Ratio.
15	Chilli		Protected cultivation	Use low tunnel-poly house and seed Treatment with Arka Microbial Consortium improves seedling vigour	Low tunnels and microbial Consortium	Kharif 2023	2 ha	6	Germination % Yield q/ha. Cost of Cultivation. Cost of yield. Profit
16	Vegetable pea		Varietal improvement	High yielding Early maturing vegetable pea variety- kasha Angeti	Seed	Rabi 2023	2 ha	8	Yield Q/ha. Cost of Cultivation. Cost of yield. Profit
17	Seasonal Vegetables whole year		food security.	Nutritional Kitchen garden	Seasonal Seed/ Seedling and Fruit plants	Kharif and Rabi	900 sq. meter	5	Nutritional gain. Economical gain. Fullfillment % of daily need C. B. ratio.

18	Multigrain flour			Multigrain Flour for family approach (1kg wheat+60g Bajra+60g maize+60g oats+60g soyabean) 300g/day for 4 months.	Multigrain flour.	Winter		4	Nutritional gain, BMI, Economical value, Acceptability Hemoglobin level, sensory parameter.
						Total	75.00 ha., (34 Unit)	212	

**B. Details of FLDs of Biofortified Variety of different crops to be organized (Based on soil test analysis)**

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/demon.	Parameters identified
1	Paddy	CR Dhan-310	Introduction of Biofortified variety	Use of Biofortified variety	Seed	Kharif, 2023	1ha	4	Yield, Nutrative value
2	Wheat	DBW-187, PUSA- Tejas, DBW-303, HD-3171, HD-3249	Introduction of Biofortified variety	Use of Biofortified variety	Seed	Rabi, 2023	1ha	4	Yield, Nutrative value
3	Mustard	PUSA-Mustard-30	Introduction of Biofortified variety	Use of Biofortified variety	Seed	Rabi, 2023	1ha	4	Yield, Nutrative value
4	Maize	PUSA- HM 4, PUSA-HM 9, PUSA-HQPM5	Introduction of Biofortified variety	Use of Biofortified variety	Seed	Kharif, 2023	1ha	4	Yield, Nutrative value
5	Pearlmillet	HHB-299, AHB-1200	Introduction of Biofortified variety	Use of Biofortified variety	Seed	Kharif, 2023	1ha	4	Yield, Nutrative value
6	Jowar	VR-929	Introduction of Biofortified variety	Use of Biofortified variety	Seed	Kharif, 2023	1ha	4	Yield, Nutrative value
7	Lentil	PUSA –Agati Massor, IPL-220	Introduction of Biofortified variety	Use of Biofortified variety	Seed	Kharif, 2023	1ha	4	Yield, Nutrative value



8	Groundnut	Girnar-5	Introduction of Biofortified variety	Use of Biofortified variety	Seed	Kharif, 2023	1ha	4	Yield, Nutritive value
9	Linseed	PL-99	Introduction of Biofortified variety	Use of Biofortified variety	Seed	Rabi, 2023	1ha	4	Yield, Nutritive value
10	Soyabean	NRC-127	Introduction of Biofortified variety	Use of Biofortified variety	Seed	Kharif, 2023	1ha	4	Yield, Nutritive value
11	Cauliflower	PUSA BETA KESARI-1	Introduction of Biofortified variety	Use of Biofortified variety	Seed	Rabi, 2023	1ha	4	Yield, Nutritive value
12	Potato	Kufri-Manik/Kufri Neelkant	Introduction of Biofortified variety	Use of Biofortified variety	Seed	Rabi 2023	1ha	4	Yield, Nutritive value

#### Sponsored Demonstration

Sl. No.	Organization	Crop	Area (ha)	No. of farmers
1	IRRI	Paddy		

#### B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	18	Jan-23 to Dec-23	385
2	Farmers Training	18	Jan-23 to Dec-23	600
3	Media coverage	45	Jan-23 to Dec-23	
4	Training for extension functionaries	7	Jan-23 to Dec-23	100

#### C. Details of FLD on Enterprises

##### (i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / Indicators
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##### (ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / Indicators
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### 3.3 Training (Including the sponsored and FLD training programmes):

#### A) ON Campus (Farmer & Farm Women)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>I Crop Production</b>										
Weed Management	1	20		20	5		5	25	0	25
Cropping Systems	1	20		20	5		5	25	0	25
Crop Diversification	1	20		20	5		5	25	0	25
Nursery management	1	20		20	5		5	25	0	25
Integrated Crop Management	3	60		60	15		15	75	0	75
Production of organic inputs	1	20		20	5		5	25	0	25
Others			0	0		0	0	0	0	0
<b>Total</b>	<b>8</b>	<b>160</b>	<b>0</b>	<b>160</b>	<b>40</b>	<b>0</b>	<b>40</b>	<b>200</b>	<b>0</b>	<b>200</b>
<b>II Horticulture</b>										
<b>a) Vegetable Crops</b>										
Production of low value and high volume crops	1	20		20	5		5	25	0	25
Off-season vegetables	1	20		20	5		5	25	0	25
Nursery raising	1	20		20	5		5	25	0	25
Grading and standardization	1	20		20	5		5	25	0	25
<b>Total (a)</b>	<b>4</b>	<b>80</b>	<b>0</b>	<b>80</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>100</b>	<b>0</b>	<b>100</b>
<b>b) Fruits</b>										
Layout and Management of Orchards	1	20		20	5		5	25	0	25
Management of young plants/orchards	2	40		40	10		10	50	0	50
<b>Total (b)</b>	<b>3</b>	<b>60</b>	<b>0</b>	<b>60</b>	<b>15</b>	<b>0</b>	<b>15</b>	<b>75</b>	<b>0</b>	<b>75</b>
<b>c) Ornamental Plants</b>										
Propagation techniques of Ornamental Plants	1	20		20	5		5	25	0	25
Others								0	0	0
<b>Total (c)</b>	<b>1</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>25</b>	<b>0</b>	<b>25</b>
<b>d) Plantation crops</b>										
<b>Total (f)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>g) Medicinal and Aromatic Plants</b>										
<b>Total (g)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GT (a-g)</b>	<b>8</b>	<b>160</b>	<b>0</b>	<b>160</b>	<b>40</b>	<b>0</b>	<b>40</b>	<b>200</b>	<b>0</b>	<b>200</b>
<b>III Soil Health and Fertility Mangmt.</b>										
Soil and water conservation	1	20		20	5		5	25	0	25

Management of Problematic soils	1	20		20	5		5	25	0	25
Micro nutrient deficiency in crops	1	20		20	5		5	25	0	25
Soil and Water Testing	1	20		20	5		5	25	0	25
Others				0			0	0	0	0
<b>Total</b>	<b>4</b>	<b>80</b>	<b>0</b>	<b>80</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>100</b>	<b>0</b>	<b>100</b>
<b>IV Livestock Production and Mangmt.</b>										
Dairy Management	1	15		15	10		10	25	0	25
Poultry Management	1	15		15	5	5	10	20	5	25
Disease Management	2	20		20	30		30	50	0	50
Feed & fodder technology	1	15		15	10		10	25	0	25
<b>Total</b>	<b>6</b>	<b>80</b>	<b>0</b>	<b>80</b>	<b>65</b>	<b>5</b>	<b>70</b>	<b>145</b>	<b>5</b>	<b>150</b>
<b>V Home Science/Women empowerment</b>										
Household food security by kitchen gardening and nutrition gardening	1		20	20		5	5	0	25	25
Design and development of low/minimum cost diet	1		20	20		5	5	0	25	25
Minimization of nutrient loss in processing	1		20	20		5	5	0	25	25
Value addition	1		20	20		5	5	0	25	25
Rural Crafts								0	0	0
Women and child care	1		20	20		5	5	0	25	25
<b>Total</b>	<b>5</b>	<b>0</b>	<b>100</b>	<b>100</b>	<b>0</b>	<b>25</b>	<b>25</b>	<b>0</b>	<b>125</b>	<b>125</b>
<b>VI Agril. Engineering</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VII Plant Protection</b>										
Integrated Pest Management	2	40		40	10		10	50	0	50
Integrated Disease Management	1	20		20	5		5	25	0	25
Bio-control of pests and diseases	1	20		20	5		5	25	0	25
Production of bio control agents and bio pesticides	1	20		20	5		5	25	0	25
Others								0	0	0
<b>Total</b>	<b>5</b>	<b>100</b>	<b>0</b>	<b>100</b>	<b>25</b>	<b>0</b>	<b>25</b>	<b>125</b>	<b>0</b>	<b>125</b>
<b>VIII Fisheries</b>										
Integrated fish farming	1	15		15	10		10	25	0	25
<b>Total</b>	<b>1</b>	<b>15</b>		<b>15</b>	<b>10</b>		<b>10</b>	<b>25</b>	<b>0</b>	<b>25</b>
<b>IX Production of Inputs at site</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>X Capacity Building and Group Dynamics</b>										
Leadership development	1	20		20	5		5	25	0	25
Formation and Management of SHGs	1	20		20	5		5	25	0	25
Entrepreneurial development of farmers/youths	1	20		20	5		5	25	0	25
WTO and IPR issues	1	20		20	5		5	25	0	25

<b>Total</b>	<b>4</b>	<b>80</b>	<b>0</b>	<b>80</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>100</b>	<b>0</b>	<b>100</b>
<b>XI Agro-forestry</b>										
<b>GRAND TOTAL</b>	<b>40</b>	<b>660</b>	<b>100</b>	<b>760</b>	<b>210</b>	<b>30</b>	<b>240</b>	<b>870</b>	<b>130</b>	<b>1000</b>

(Rural Youth)

Area of Training	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Mushroom Production	1	10		10	5		5	15	0	15
production on organic inputs	1	10		10	5		5	15	0	15
Seed production	1	10		10	5		5	15	0	15
Protected cultivation of vegetable crops	1	10		10	5		5	15	0	15
nursery management of horticulture crops	1	10		10	5		5	15	0	15
Value addition	1		10	10		5	5	0	15	15
small scale processing	2	10	10	20	5	5	15	15	15	30
<b>TOTAL</b>	<b>8</b>	<b>60</b>	<b>20</b>	<b>80</b>	<b>30</b>	<b>10</b>	<b>45</b>	<b>90</b>	<b>30</b>	<b>120</b>

(Extension Functionaries)

Area of Training	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	1	10		10	5		5	15	0	15
Women and Child care								0	0	0
Capacity building for ICT application	1	10		10	5		5	15	0	15
Management in farm animals	1	10		10	5		5	15	0	15
<b>TOTAL</b>	<b>3</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>15</b>	<b>0</b>	<b>15</b>	<b>45</b>	<b>0</b>	<b>45</b>

**B) OFF Campus  
(Farmer & Farm Women)**

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>I Crop Production</b>										
Resource Conservation Technologies	2	40		40	10		10	50	0	50
Crop Diversification	1	20		20	5		5	25	0	25
Micro Irrigation/irrigation	1	20		20	5		5	25	0	25
Seed production	1	20		20	5		5	25	0	25
Nursery management	1	20		20	5		5	25	0	25
Integrated Crop Management	2	40		40	10		10	50	0	50
<b>Total</b>	<b>8</b>	<b>160</b>	<b>0</b>	<b>160</b>	<b>40</b>	<b>0</b>	<b>40</b>	<b>200</b>	<b>0</b>	<b>200</b>
<b>II Horticulture</b>										
<b>a) Vegetable Crops</b>										
Production of low value and high volume	1	20		20	5		5	25	0	25

crops										
Nursery raising	2	40		40	10		10	50	0	50
Total (a)	3	60	0	60	15	0	15	75	0	75
<b>b) Fruits</b>										
Cultivation of Fruit	2	40		40	10		10	50	0	50
Management of young plants/orchards	3	60		60	15		15	75	0	75
Rejuvenation of old orchards	1	20		20	5		5	25	0	25
Micro irrigation systems of orchards	1	20		20	5		5	25	0	25
Total (b)	7	140	0	140	35	0	35	175	0	175
<b>c) Ornamental Plants</b>										
Total (c)	0	0	0	0	0	0	0	0	0	0
<b>d) Plantation crops</b>										
Total (d)	0	0	0	0	0	0	0	0	0	0
<b>e) Tuber crops</b>										
Total (e)	0	0	0	0	0	0	0	0	0	0
<b>f) Spices</b>										
Total (f)	0	0	0	0	0	0	0	0	0	0
<b>g) Medicinal and Aromatic Plants</b>										
Total (g)	0	0	0	0	0	0	0	0	0	0
<b>GT (a-g)</b>	<b>10</b>	<b>200</b>	<b>0</b>	<b>200</b>	<b>50</b>	<b>0</b>	<b>50</b>	<b>250</b>	<b>0</b>	<b>250</b>
<b>III Soil Health and Fertility Mangmt.</b>										
Soil fertility management	2	40		40	10		10	50	0	50
Soil and water conservation	1	20		20	5		5	25	0	25
Integrated Nutrient Management	2	40		40	10		10	50	0	50
Production and use	4	80		80	20		20	100	0	100
Management of Problematic soils	1	20		20	5		5	25	0	25
Micro nutrient deficiency in crops	1	20		20	5		5	25	0	25
Soil and Water Testing	2	40		40	10		10	50	0	50
<b>Total</b>	<b>13</b>	<b>260</b>	<b>0</b>	<b>260</b>	<b>65</b>	<b>0</b>	<b>65</b>	<b>325</b>	<b>0</b>	<b>325</b>
<b>IV Livestock Production and Mangmt.</b>										
Dairy Management	3	60	15	75	30	15	45	90	30	120
Poultry Management	1	20	5	25	10	5	15	30	10	40
Piggery Management	1	20	5	25	15	5	20	35	10	45
Disease Management	3	60	15	75	30	15	45	90	30	120
Production of quality animal products	1	20	5	25	10	5	15	30	10	40
Others				0			0	0	0	0
<b>Total</b>	<b>9</b>	<b>180</b>	<b>45</b>	<b>225</b>	<b>95</b>	<b>45</b>	<b>140</b>	<b>275</b>	<b>90</b>	<b>365</b>
<b>V Home Science/Women</b>										

<b>empowerment</b>										
Designing and development for high nutrient efficiency diet	1		20	20		5	5	0	25	25
Gender mainstreaming through SHGs	1		20	20		5	5	0	25	25
Storage loss minimization techniques	1		20	20		5	5	0	25	25
Value addition	1		20	20		5	5	0	25	25
Income generation activities for empowerment of rural Women	1		20	20		5	5	0	25	25
Location specific drudgery reduction technologies	1		20	20		5	5	0	25	25
<b>Total</b>	<b>6</b>	<b>0</b>	<b>120</b>	<b>120</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>0</b>	<b>150</b>	<b>150</b>
<b>VI Agril. Engineering</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IX Production of Inputs at site</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>X Capacity Building and Group Dynamics</b>										
Leadership development	1	20		20	5		5	25	0	25
Group dynamics								0	0	0
Formation and Management of SHGs	1	20		20	5		5	25	0	25
Entrepreneurial development of farmers/youths	1	20		20	5		5	25	0	25
WTO and IPR issues	1	20		20	5		5	25	0	25
<b>Total</b>	<b>4</b>	<b>80</b>	<b>0</b>	<b>80</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>100</b>	<b>0</b>	<b>100</b>
<b>XI Agro-forestry</b>										
<b>GRAND TOTAL</b>	<b>61</b>	<b>1100</b>	<b>165</b>	<b>1265</b>	<b>325</b>	<b>75</b>	<b>400</b>	<b>1425</b>	<b>240</b>	<b>1665</b>

**(Extension Functionaries)**

Area of Training	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Rejuvenation of old orchards	1	15		15	5		5	20	0	20
Women and Child care	1		20	20		5	5	0	25	25
Group Dynamics and farmers organization	1	15		15	5		5	20	0	20
Management in farm animals	1	10		10	5		5	15	0	15
Household food security	1		20	20		5	5	0	25	25
<b>TOTAL</b>	<b>5</b>	<b>40</b>	<b>40</b>	<b>80</b>	<b>15</b>	<b>10</b>	<b>25</b>	<b>55</b>	<b>50</b>	<b>105</b>

**(C) Consolidated table (ON and OFF Campus)  
(Farmer & Farm Women)**

Thematic area	No. of	Participants
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	courses	Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>I Crop Production</b>										
Weed Management	1	20	0	20	5	0	5	25	0	25
Resource Conservation Technologies	2	40	0	40	10	0	10	50	0	50
Cropping Systems	1	20	0	20	5	0	5	25	0	25
Crop Diversification	2	40	0	40	10	0	10	50	0	50
Micro Irrigation/irrigation	1	20	0	20	5	0	5	25	0	25
Seed production	1	20	0	20	5	0	5	25	0	25
Nursery management	2	40	0	40	10	0	10	50	0	50
Integrated Crop Management	5	100	0	100	25	0	25	125	0	125
Production of organic inputs	1	20	0	20	5	0	5	25	0	25
Others	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>16</b>	<b>320</b>	<b>0</b>	<b>320</b>	<b>80</b>	<b>0</b>	<b>80</b>	<b>400</b>	<b>0</b>	<b>400</b>
<b>II Horticulture</b>										
<b>a) Vegetable Crops</b>										
Production of low value and high valume crops	2	40	0	40	10	0	10	50	0	50
Off-season vegetables	1	20	0	20	5	0	5	25	0	25
Nursery raising	3	60	0	60	15	0	15	75	0	75
Grading and standardization	1	20	0	20	5	0	5	25	0	25
<b>Total (a)</b>	<b>7</b>	<b>140</b>	<b>0</b>	<b>140</b>	<b>35</b>	<b>0</b>	<b>35</b>	<b>175</b>	<b>0</b>	<b>175</b>
<b>b) Fruits</b>										
Layout and Management of Orchards	1	20	0	20	5	0	5	25	0	25
Cultivation of Fruit	2	40	0	40	10	0	10	50	0	50
Management of young plants/orchards	5	100	0	100	25	0	25	125	0	125
Rejuvenation of old orchards	1	20	0	20	5	0	5	25	0	25
Micro irrigation systems of orchards	1	20	0	20	5	0	5	25	0	25
<b>Total (b)</b>	<b>10</b>	<b>200</b>	<b>0</b>	<b>200</b>	<b>50</b>	<b>0</b>	<b>50</b>	<b>250</b>	<b>0</b>	<b>250</b>
<b>c) Ornamental Plants</b>										
Propagation techniques of Ornamental Plants	1	20	0	20	5	0	5	25	0	25
Others	0	0	0	0	0	0	0	0	0	0
<b>Total (c)</b>	<b>1</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>25</b>	<b>0</b>	<b>25</b>
<b>d) Plantation crops</b>										
<b>Total (d)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>e) Tuber crops</b>										
<b>Total (e)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>f) Spices</b>										
<b>GT (a-g)</b>	<b>18</b>	<b>360</b>	<b>0</b>	<b>360</b>	<b>90</b>	<b>0</b>	<b>90</b>	<b>450</b>	<b>0</b>	<b>450</b>
<b>III Soil Health and Fertility Mangmt.</b>										
Soil fertility management	2	40	0	40	10	0	10	50	0	50

Soil and water conservation	2	40	0	40	10	0	10	50	0	50
Integrated Nutrient Management	2	40	0	40	10	0	10	50	0	50
Production and use of organic inputs	4	80	0	80	20	0	20	100	0	100
Management of Problematic soils	2	40	0	40	10	0	10	50	0	50
Micro nutrient deficiency in crops	2	40	0	40	10	0	10	50	0	50
Soil and Water Testing	3	60	0	60	15	0	15	75	0	75
<b>Total</b>	<b>17</b>	<b>340</b>	<b>0</b>	<b>340</b>	<b>85</b>	<b>0</b>	<b>85</b>	<b>425</b>	<b>0</b>	<b>425</b>
<b>IV Livestock Production and Mangmt.</b>										
Dairy Management	4	75	15	90	40	15	55	115	30	145
Poultry Management	2	35	5	40	15	10	25	50	15	65
Piggery Management	1	20	5	25	15	5	20	35	10	45
Disease Management	6	95	15	110	70	15	85	165	30	195
Feed & fodder technology	1	15	0	15	10	0	10	25	0	25
Production of quality animal products	1	20	5	25	10	5	15	30	10	40
<b>Total</b>	<b>15</b>	<b>260</b>	<b>45</b>	<b>305</b>	<b>160</b>	<b>50</b>	<b>210</b>	<b>420</b>	<b>95</b>	<b>515</b>
<b>V Home Science/Women empowerment</b>										
Household food security by kitchen gardening and nutrition gardening	1	0	20	20	0	5	5	0	25	25
Design and development of low/minimum cost diet	1	0	20	20	0	5	5	0	25	25
Designing and development for high nutrient efficiency diet	1	0	20	20	0	5	5	0	25	25
Minimization of nutrient loss in processing	1	0	20	20	0	5	5	0	25	25
Gender mainstreaming through SHGs	1	0	20	20	0	5	5	0	25	25
Storage loss minimization techniques	1	0	20	20	0	5	5	0	25	25
Value addition	2	0	40	40	0	10	10	0	50	50
Income generation activities for empowerment of rural Women	1	0	20	20	0	5	5	0	25	25
Location specific drudgery reduction technologies	1	0	20	20	0	5	5	0	25	25
Women and child care	1	0	20	20	0	5	5	0	25	25
<b>Total</b>	<b>11</b>	<b>0</b>	<b>220</b>	<b>220</b>	<b>0</b>	<b>55</b>	<b>55</b>	<b>0</b>	<b>275</b>	<b>275</b>
<b>VI Agril. Engineering</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VII Plant Protection</b>										
Integrated Pest Management	6	120	0	120	30	0	30	150	0	150
Integrated Disease Management	6	120	0	120	30	0	30	150	0	150
Bio-control of pests and diseases	2	40	0	40	10	0	10	50	0	50



Production of bio control agents and bio pesticides	2	40	0	40	10	0	10	50	0	50
<b>Total</b>	<b>16</b>	<b>320</b>	<b>0</b>	<b>320</b>	<b>80</b>	<b>0</b>	<b>80</b>	<b>400</b>	<b>0</b>	<b>400</b>
<b>VIII Fisheries</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>X Capacity Building and Group Dynamics</b>										
Leadership development	2	40	0	40	10	0	10	50	0	50
Formation and Management of SHGs	2	40	0	40	10	0	10	50	0	50
Entrepreneurial development of farmers/youths	2	40	0	40	10	0	10	50	0	50
WTO and IPR issues	2	40	0	40	10	0	10	50	0	50
<b>Total</b>	<b>8</b>	<b>160</b>	<b>0</b>	<b>160</b>	<b>40</b>	<b>0</b>	<b>40</b>	<b>200</b>	<b>0</b>	<b>200</b>
<b>XI Agro-forestry</b>										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GRAND TOTAL</b>	<b>101</b>	<b>1760</b>	<b>265</b>	<b>2025</b>	<b>535</b>	<b>105</b>	<b>640</b>	<b>2295</b>	<b>370</b>	<b>2665</b>

**(Rural Youth)**

Area of Training	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Mushroom Production	1	10	0	10	5	0	5	15	0	15
production on organic inputs	1	10	0	10	5	0	5	15	0	15
Seed production	1	10	0	10	5	0	5	15	0	15
Protected cultivation of vegetable crops	1	10	0	10	5	0	5	15	0	15
nursery management of horticulture crops	1	10	0	10	5	0	5	15	0	15
Value addition	1	0	10	10	0	5	5	0	15	15
small scale processing	2	10	10	20	5	5	10	15	15	30
<b>TOTAL</b>	<b>8</b>	<b>60</b>	<b>20</b>	<b>80</b>	<b>30</b>	<b>10</b>	<b>45</b>	<b>90</b>	<b>30</b>	<b>120</b>

**(Extension Functionaries)**

Area of Training	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	1	10	0	10	5	0	5	15	0	15
Rejuvenation of old orchards	1	15	0	15	5	0	5	20	0	20
Women and Child care	1	0	20	20	0	5	5	0	25	25
Group Dynamics and farmers organization	1	15	0	15	5	0	5	20	0	20
Capacity building for ICT	1	10	0	10	5	0	5	15	0	15

application										
Management in farm animals	2	20	0	20	10	0	10	30	0	30
Household food security	1	0	20	20	0	5	5	0	25	25
<b>TOTAL</b>	<b>8</b>	<b>70</b>	<b>40</b>	<b>110</b>	<b>30</b>	<b>10</b>	<b>40</b>	<b>100</b>	<b>50</b>	<b>150</b>

Details of training programmes attached in Annexure -I

### 3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	18	410	30	440	10		10	420	30	450
Kisan Mela	1	730	250	980	15	5	20	745	255	1000
Kisan Gosthi	3	125	50	175	20	5	25	145	55	200
Exhibition	3	300	85	385	12	3	15	312	88	400
Film Show	4	140	20	160	40		40	180	20	200
Farmers Seminar	1	100	20	120	4		4	104	20	124
Workshop	1	40	10	50	8	2	10	48	12	60
Group meetings	1	40	10	50	8	2	10	48	12	60
Lectures delivered as resource persons	50	1125	25	1150	55	45	100	1180	70	1250
Newspaper coverage	50									
Radio talks	5									
TV talks	5									
Popular articles	6									
Extension Literature	5									
<b>Advisory Services</b>	17									400
Scientific visit to farmers field	90									270
Farmers visit to KVK	1									200
Diagnostic visits	1									1
Exposure visits	1									30
Ex-trainees Sammelan	2	65	35	100	3	1	4	68	36	104
Soil health Camp	2	100	50	150		3	3	100	53	153
Animal Health Camp	3	1000	250	1250	6		6	1006	250	1256
Agri mobile clinic	3	500		500	5		5	505	0	505
Soil test campaigns	3	500	100	600	3		3	503	100	603
Farm Science Club										
Conveners meet	12									120
Self Help Group										
Conveners meetings	5	80	20	100	5	1	6	85	21	106
Celebration of important days (specify)	3									60
KrishiMohostva	1									40
Pre Kharif workshop	1	250		250	5		5	255		255
Pre Rabi workshop	1	150	50	200	5	2	7	155	52	207
PMFBY Sammelan	1									400
Soil Health Cards distribution	1									100
<b>Total</b>	<b>301</b>	<b>5655</b>	<b>1005</b>	<b>6660</b>	<b>204</b>	<b>69</b>	<b>273</b>	<b>5859</b>	<b>1074</b>	<b>8554</b>

### 3.5 Target for Production and supply of Technological products

#### SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)	Distributed to the farmers (Nos.)
<b>CEREALS</b>	Paddy	MTU-7029, Sarbati, VishnubhogBINA-11, CSR-46, DRR-44	100	
	Wheat	KRL-210, HD-2967 & DBW-187	50	
<b>OILSEEDS</b>	Mustard	Pusa Vijay & Giriraj	15	

<b>PULSES</b>	Urd	Shekhar-1	25	
	Moong	IPM 2-3, HUM-16, Sweta	10	
<b>VEGETABLES</b>				
<b>OTHERS (Specify)</b>				
<b>Total</b>			<b>200</b>	

#### PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Distributed to the farmers (Nos.)
<b>FRUITS</b>	Citrus	Kagazi		
	Guava	Allahabad Safeda/Surkha		
	Papaya	Red Lady	20000	
	Aonla	N-7		
<b>SPICES</b>				
<b>VEGETABLES</b>	Chilli	VNR-305		
	Tomato	Hybrid		
<b>FOREST SPECIES</b>				
<b>ORNAMENTAL CROPS</b>				
		<b>Total</b>	<b>20000</b>	

#### BIO-PRODUCTS

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>	Vermicompost			<b>500</b>

#### LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
GOAT	Meat	Barbari	12	2(5+1)
POULTRY	Meat	Cobb-broiler	2000	4

#### 3.6 Literature to be Developed/Published

- (A) **KVK News Letter** : **YES**  
Date of start : Quarterly (April-2019)  
Number of copies to be published in year : 3

#### (B) Literature developed/published

S. No.	Topic	No.	Name of Journal/literature
1	Research paper by each scientist		12
2	Technical reports		6
3	News letters		3
4	Training manual all discipline		4
5	Popular article		9
6	Extension literature		2000
7	Others		6
		<b>Total</b>	<b>2040</b>

#### (C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	CD	Kissan MelaGhosthi	<b>01</b>
2	CD	Successful demonstration of Technology	<b>01</b>

#### 3.7. Success stories/Case studies identified for development as a case. (5 by each KVK)

- Brief introduction
- Interventions
- Output

- d. Outcomes
- e. Impact
  - i) Social economic
  - ii) Bio-Physical
- f. Good Action Photographs

### 3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers/farm women & Rural Youth

Need assessment is based on observation PRA (Participatory rural appraisal) and household survey method. In PRA a multidisciplinary team of scientist gathered information and establishment rapport with the local community.

PRA is a methodology for interacting with villagers, understanding them and learning for them. It can form a basis for need assessment it can touch upon the problems faced by villagers in running of programmes with identification of problems, operation of projects. The following PRA method has been used in need analysis

- a) Primary and Secondary data review
- b) Direct observation
- c) Social and resource mapping
- d) Transact walk.
- e) Semi-structured interview.
- f) Historical transact.
- g) Ranking and scouring.

After the identification of training needs, it is prioritized and selected for specific action as part of training programmes.

#### **-In-service personnel**

Before the development and organized training programme for extension personnel training needs was assessed. Firstly, analysis the job of extension functionaries what actually the the extension worker is doing and what job should be done by him keeping in view the specific knowledge and skill required for performing his role. Secondly, Task and skill also be analyzed before the training programme.

### 3.9 Indicate the methodology for identifying OFTs/FLDs

**Methodology of OFT:** - Before identifying OFT programmes, existing problems of farmers in defined area will be diagnosed. After that we study the farmer's circumstances and farmer's practices. After those problems and their causes will be analyze and list out the possible solutions. Screen out possible solutions on the basis of their feasibility, sustainability and farming system compatibility.

**Methodology for identifying FLDs:-** Identification of FLD agreement, knowledge about surrounding area, villages and farms, farming situation, resources , cropping system, productivity of measures crop, major issues and problems will be collected through PRA tools. Exchange information with local extension worker, then proven technology selected that suitable to fit in the existing farming situation of the area. We also consult the researchers who are responsible for release

#### **For OFT**

### 3.10 Field activities

- i. Name of villages identified for adoption with block

Mohanapur – Muratganj

Umarcha- Muratganj

Gaushpur – Muratganj

Husainmai- Muaratganj

Charwa – Chail

Kadipur – Sirathu

Sindiya amad karari – Sirathu

Kasia paschim – Sirathu

Faridganj – Kada

Kesaria - Kada

- ii. No. of farm families selected : 12
- iii. No. of survey/PRA conducted : 5
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages: vi.
- Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

### 3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab: Good

- 1. Year of establishment : 2015
- 2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Soil Testing Kit	2	75000

### 3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	500	1500	6	
<b>Total</b>				

### 4. LINKAGES

#### 4.1 Functional linkage with different organizations

S. No.	Name of organization	Linkage	Nature of
1.	Department of Agriculture, Kaushambi	Training	
2.	Department of Horticulture, Kaushambi	Training	
3.	District Rural Development Agency , Kaushambi	Training	
4.	Department of Plant protection , Kaushambi	Training	
5.	Department of Animal husbandry, Kaushambi	Training	
6.	IFFCO, (CORDET),	Soil Testing	
7.	CSAUA&T, Kanpur	Seed	
8.	NDAU&T, Faizabad	Planting Material	
9.	Allahabad Agriculture University	Training	
10.	Indian Institute of Pulses Research, Kanpur	Seed	
11.	Central Integrated Pest Management, Lucknow & Gorakhpur	Farmers Field School	

#### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

S. No.	Programme	Nature of linkage
1	SHG Capacity Building training	Training
2	Farmer Scientist interaction	Interactions / Advisory
3	Farmers Field School Training	Training
4	Exposer Visit	Technical assistance
5	Kissan Mela	Lecture in technical session

#### 4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Horticultural crop grower training	Training
2	Inspection of planting material and demonstration field	Technical support

#### 4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		
2		

### 5. Utilization of hostel facilities

Accommodation available (No. of beds) :- 50

S. No.	Programme	No. of days
1	Under Rural Agricultural Work Experience (RAW) programme	30
2	AC & ABC Scheme	45
3.	ATMA Training	7
4.	Rural Youth Training	5
	<b>Total</b>	<b>87</b>

### 6. Convergence with departments:

#### 7.1. Details of the programmers being implemented by your KVK in partnership with other institution

S. No.	Name of Programme	Main Institution (IARI, DBT, DST, UPCAR, etc.)	Duration	Budget (in lakh)

1	Validation and promotion of selected key pests management practices on Guava	NCIPM	2018-19-2023	

7.2. Brief achievements of above collaborative programmes

S. No.	Name of Programme	Salient achievement	Impact of the programme
1	IRRI-KVK Kaushambi Demonstration on High Yielding Stress Tolerant Paddy Varieties of UP.	26 Varieties Demonstrated at Crop Cafeteria of KVK Kaushambi during Kharif-2023. Performance of All the varieties was encouraging in terms of Yield and production in sodic condition	Farmer feedback workshop showed that all the varieties performed very good

8. Achievements (Both Technical and physical) of sponsored programmes (As applicable to your KVK) during the reporting period (2020-21)

S. No.	Name of Programme	Detailed Technical Achievements	Physical (infrastructural achievement)
1	TSP Project		
2	ARYA Project		
3	CFLD-NFSM Project		
	i. Kharif season		
	ii. Rabi season		
	iii. Summer season		
4	CSISA Project		
5	NICRA Project		
6	Soil Health Card		
7	Other (please specify)		
	<b>Total</b>		

9. Feedback of the farmers about the technologies demonstrated and assessed:

10. Feedback from the KVK Scientists (Subject wise) to the research institutions/universities

Annexure - I

**Training Programme**

**i) Farmers & Farm women (On Campus)**

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
19-05-2023	PF	Importance of new varieties of paddy and nursery raising	01	25	-	25	5	-	5	25
23-06-2023	PF	Package and practices of Arhar cultivation	01	25	-	25	5	-	5	25
18-07-2023	PF	Management for kharif crop	01	25	-	25	5	-	5	25
24-09-2023	PF	Package and practice for toria crop	01	25	-	25	5	-	5	25
29-10-2023	PF	Importance of organic and inorganic source for balance fertilizers of rabi crop	01	25	-	25	5	-	5	25
10-11-2023	PF	Methods for application of pre-emergence herbicide in rabi crop	01	25	-	25	5	-	5	25
<b>Horticulture</b>										
25-01-2023	PF	Nutrient management in Guava	01	25		25	5		5	25
20-02-2023	PF	Nutrient Management of summer season vegetable crop	01	25		25	5		5	25
10-02-2023	PF	Wilt Management in fruit crops	01	25		02	5		5	25

15-03-2023	PF	Ornamental flower cultivation	01	25		25	5		5	25
12-05-2023	PF	Off season vegetable cultivation for more income	01	25		25	5		5	25
19-06-2023	PF	Nursery raising of vegetable crop	01	25		25	5		5	25
24-08-2023	PF	Tips and Management practices for establishment orchard	01	25		25	5		5	25
03-09-2023	PF	Value added techniques for fruits and vegetables	01	25		25	5		5	25
<b>Livestock prod.</b>										
08-06-2023	PF	Importance of H.S. vaccine for dairy animals	01	25		25	15		15	25
06-07-2023	PF	Low cost homemade concentrate ration for lactating animals	01	25		25	10		10	25
18-08-2023	PF	Neo born/ neo natal management	01	25		25	10		10	25
13-09-2023	PF	Entrepreneurship activities through small animals-goat and poultry	01	25		25	5	5	10	25
24-10-2023	PF	To immunized animals for FMD	01	25		25	10		10	25
<b>Home Sc.</b>										
18-01-2023	PF	Information about Nutritional kitchen Garden & Vermi-compost use.	01		25	25		5	5	25
08-03-2023	PF	Balanced Diet Plan for All Stages of Human Life and Nutritional Retention Technique	01		25	25		5	5	25
04-05-2023	PF	Information About Low Cost High Nutrition Rich Recipies	01		25	25		5	5	25
08-06-2023	PF	Information About Value Addition in Cereals, Vegetables and fruits.	01		25	25		5	5	25
15-10-2023	PF	Information about seasonal nutri thali for different age group.	01		25	25		5	5	25
<b>Plan prot.</b>										
07-05-2023	PF	Safe and judicious use of pesticide	01	25	-	25	5	-	5	25
18-07-2023	PF	Major Insect pest and diseases For kharif season crop	01	25	-	25	5	-	5	25
23-11-2023	PF	IPM in Rabi crops	01	25	-	25	5	-	5	25
15-12-2023	PF	Bio-control agents , Traps for management pest and disease of Fruit and Vegetable crops and minimize the use of Water from Foliar application of Pesticide	01	25	-	25	5	-	5	25
2023-12-2023		Mushroom Production Technology	01	25	-	25	5	-	5	25
<b>Soil Health</b>										
28-04-2023	PF	Scientific methods for collection of soil samples	01	25	-	25	5	-	5	25
15-05-2023	PF	Methods & Techniques of Problematic soil	01	25	-	25	5	-	5	25
05-08-2023	PF	Importance of ground water recharge	01	25	-	25	5	-	5	25
12-12-2023	PF	Importance of micro-nutrient in pulse crop	01	25	-	25	5	-	5	25
<b>Capacity Building and Group Dynamics</b>										
27-04-2023	PF	Awareness about formation and management of SHGs	1	25		25	5		5	25
17-05-2023	PF	Training for strengthen of SHG,s.	1	25		25	5		5	25

02-07-2023	PF	Need and importance of Agri-preneurship	1	25		25	5		5	25
19-11-2023	PF	Awareness about new technologies in agriculture.	1	25		25	5		5	25

<b>Fishries</b>										
18-05-2023	PF	Integrated Fish Farming	1	25		25	10		10	25

**i) Farmers & Farm women (Off Campus)**

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
21-01-2023	PF	Selection of varieties for late sown oilseed and pulses crop	01	25	-	25	5	-	5	25
08-02-2023	PF	Package and practices for zaid season crop	01	25	-	25	5	-	5	25
20-06-2023	PF	Role and Importance of RCT in crop cultivation	01	25	-	25	5	-	5	25
21-11-2023	PF	Use of zero tillage seed drill for wheat sowing	01	25	-	25	5	-	5	25
07-12-2023	PF	Importance of wheat variety according to time	01	25	-	25	5	-	5	25
13-12-2023	PF	Awareness about precise irrigation system	01	25	-	25	5	-	5	25
<b>Horticulture</b>										
24-02-2023	PF	Nutrient management in chilly Bringal and Cucurbits	01	25	-	25	5	-	5	25
02-03-2023	PF	Nursery and field management in Brinjal	01	25	-	25	5	-	5	25
12-04-2023	PF	Wilt management in guava orchard	01	25	-	25	5	-	5	25
24-04-2023	PF	Nutrient management in guava orchard	01	25	-	25	5	-	5	25
2023-05-2023	PF	Practice of intercropping technique in Banana and Guava cultivation	01	25	-	25	5	-	5	25
08-06-2023	PF	Need and techniques of nursery raising of cucurbitaceous crop	01	25	-	25	5	-	5	25
02-07-2023	PF	Rejuvenation and Vegetative of old guava orchard	01	25	-	25	5	-	5	25
02-08-2023	PF	Nutrient management in Banana cultivation	01	25	-	25	5	-	5	25
04-09-2023	PF	Importance of micro-irrigation system for horticultural crop	01	25	-	25	5	-	5	25
05-12-2023	PF	Cultivation of shade loving plants in guava orchard and mango	01	25	-	25	5	-	5	25
<b>Live Stock Production.</b>										
08-02-2023	PF	Back yard poultry income generating farming	01	20	5	25	10	5	15	25
15-03-2023	PF	Piggery management	01	20	5	25	15	5	20	25
11-04-2023	PF	Dairy animals Feed management	01	20	5	25	10	5	15	25
14-05-2023	PF	Importance of H.S. vaccine for dairy animals.	01	20	5	25	10	5	15	25
05-06-2023	PF	Dairy animals management in hot humid farm condition	01	20	5	25	10	5	15	25
11-08-2023	PF	Value addition of milk for betterment use	01	20	5	25	10	5	15	25
14-09-2023	PF	Importance of FMD vaccination of farm animals	01	20	5	25	10	5	15	25
25-09-2023	PF	Role of CPP and ET vaccine in small animals	01	20	5	25	10	5	15	25
16-12-2023	PF	Zoonotic hazards	01	20	5	25	10	5	15	25
<b>Home Sc.</b>										
12-02-2023	PF	Information about Small Scale Enterprises	01		25	25		5	5	25



		to enhance Women Livelihood								
23-03-2023	PF	Therapeutic Diet Plan for Common Diseases Occurs Among Human	01	25	25		5	5	25	
05-04-2023	PF	Capacity Building and Gender Mainstreaming Through Making SHG	01	25	25		5	5	25	
18-06-2023	PF	Information and Benefits of Drudgery Reducing Farm Implements	01	25	25		5	5	25	
05-08-2023	PF	Value added products	01	25	25		5	5	25	
10-11-2023	PF	Storage Loss Minimization Techniques.	01	25	25		5	5	25	
<b>Plant Protection</b>										
15/05/2023	PF	Integrated disease management in urd and mung bean crops	01	25	-	25	5	-	5	25
18/06/2023	PF	Pest management for summer vegetables	01	25	-	25	5	-	5	25
08/07/2023	PF	Integrated disease management of summer vegetables	01	25	-	25	5	-	5	25
10/08/2023	PF	Bio-control agents , Traps for management pest and disease of Fruit and Vegetable crops and minimize the use of Water from Foliar application of Pesticide	01	25	-	25	5	-	5	25
21/08/2023	PF	IPM in Kharif season crop	01	25	-	25	5	-	5	25
15/09/2023	PF	Mushroom Production Technology	01	25	-	25	5	-	5	25
23/09/2023	PF	IPM in solanaceous crops	01	25	-	25	5	-	5	25
19/10/2023	PF	IPM in wheat crop	01	25	-	25	5	-	5	25
18/11/2023	PF	IDM in Potato Crop	01	25	-	25	5	-	5	25
13/12/2023	PF	Seed and soil borne disease of Rabi crops	01	25	-	25	5	-	5	25
28/12/2023	PF	Importance and use of trichoderma and <i>Beauveria bassiana</i> bio-agent	01	25	-	25	5	-	5	25
<b>Soil health</b>										
23-01-2023	PF	Importance of Soil Moisture Conservation in Vegetables	01	25	-	25	5	-	5	25
12-02-2023	PF	Importance and use of organic fertilizers	01	25	-	25	5	-	5	25
16-03-2023	PF	Use & Benefits of bio-waste	01	25	-	25	5	-	5	25
18-04-2023	PF	Integrated Nutrient Management in Summer Moong & Urd	01	25	-	25	5	-	5	25
28-04-2023	PF	Techniques of soil sample collection	01	25	-	25	5	-	5	25
20-05-2023	PF	Improvement of Soil Health through Daincha	01	25	-	25	5	-	5	25
12-06-2023	PF	Integrated Nutrient management in Paddy	01	25	-	25	5	-	5	25
28-06-2023	PF	Soil land Reclamation Technology	01	25	-	25	5	-	5	25
15-07-2023	PF	Preparation of Vermi-Compost pits	01	25	-	25	5	-	5	25
20-08-2023	PF	Micronutrient Deficiency in Vegetable Crops	01	25	-	25	5	-	5	25
18-09-2023	PF	Benefits of Soil Testing and SHC	01	25	-	25	5	-	5	25
28-10-2023	PF	Role of organic matter in soil fertility	01	25	-	25	5	-	5	25
15-11-2023	PF	Importance and benefits of salt tolerant variety wheat	01	25	-	25	5	-	5	25
<b>Capacity Building and Group Dynamics</b>										
25-01-2023	PF	Awareness about different agricultural schemes and ICT.	1	25		25	5		5	25
15-06-2023	PF	Importance of SHG for economic empowerment of villagers.	1	25		25	5		5	25
25-08-2023	PF	Motivational training of farm science club members for adoption of improved	1	25		25	5		5	25

		technologies.								
21-09-2023	PF	Awareness about government programmes in agriculture development.	1	25		25	5		5	25

### ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Vermi-compost making	Income generating activity for Rural youth	Skill development & Income generating of Rural youth through vermin-compost	Nov 2023	05	15	0	15	05	0	05	15
Seed Production	Income generating activity for Rural youth	Skill development & Income generating of Rural youth through seed production	October 2023	5	15	0	15	5	0	5	15
Mushroom	Income generating activity through mushroom cultivation	Mushroom cultivation and spawn Production	October, 2023	5	15	-	15	5	-	5	15
Banana and guava	Capacity building of rural youth	Grading, packing and marketing of banana and guava	January, 2023	5	15	-	15	5	-	5	15
Entrepreneurship development	Development of entrepreneur	Manufacturing and use of low tunnel	October, 2023	5	15	-	15	5	-	5	15
Bee keeping	Development of small scale enterprises	Good quality honey production	November, 2023	7	15	-	15	5	-	5	15
Fruits & Vegetables	Value Addition/ Income generating activity	Enterprises on Value Added Products like Aonla & Moringa	November, 2023	5	-	15	15	-	5	5	15
Training & Packaging Programme on Sattu Making	Income generating activity for rural women	Training & Packaging Programme on Sattu Making	May, 2023	5	-	15	15	-	5	5	15

### iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>On Campus</b>										
15-05-2023		Benefits of green manuring through urd, moong & daincha	01	10	-	10	5	-	5	10
15-7-2023		Breed improvement programme through A.I. Tech. for Paravets	01	15		15	5		5	15
10-09-2023		Rejuvenation of old orchard	01	20	-	20	5	-	5	20
15-06-2020		Impact of climate change on crops	01	20	-	20	5	-	5	20
12 <sup>th</sup> Oct 2023		Role of communication technology for motivation of farmers	01	15	-	15	5	-	5	15

### iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Off Campus</b>										
05-02-2023		Information about bio-control agents of pest and disease of crop and safe and judicious use of pesticide	01	10	-	10	5	-	5	15

17-11-2023		Animal hygiene and health programme for Paravets	01	15		15	5		5	15
17-12-2023		Awareness about formation and management of SHG	01	15	-	15	5	-	5	15
10-02-2023		Household Food Security By Kitchen Garden	01	-	25	25	-	5	5	25
17-09-2023		Nutritional Security Through planned Poshan Thali for Special Stages i.e. Pregnant, Lactating Mother, 0-5 yr old Children and Adolescents.	01	-	25	25		5	5	25

**ACTION PLAN**  
**KVK-I SITAPUR**

(January, 2023 to December, 2023)

**1. GENERAL INFORMATION ABOUT THE KVK**

**1.1. Name and address of KVK with phone, fax and e-mail**

Address	Telephone		E mail	Website
	Office	FAX		
Krishi Vigyan Kendra, Amberpur, Sitapur-261 303	09005092464	0522- 4044406	kvksitapur@gmail.com	sitapur1.kvk4.in

**1.2 .a. Name and address of host organization with phone, fax and e-mail**

Address	Telephone		E mail	Website
	Office	FAX		
Manav Vikas Evam Sewa Sansthan, 261-Hind Nagar, Kanpur Road, Lucknow-226 005	0522-4044406	0522- 4044406	kvksitapur@gmail.com mvesslucknow@gmail.com	mvess.org.in

**1.2. b. Status of KVK website:** Yes

**1.2. c. No. of Visitors (Hits) to your KVK website (as on today):**

**1.2. d. Status of ICT lab at your KVK:** Yes

**1.3. Name of the Programme Coordinator (I/C) with phone & mobile no.**

Name	Telephone / Contact		
	Office	Mobile	Email
Shri Amarnath Singh	-	9005092464	kvksitapur@gmail.com

**1.4. Year of sanction:** 2005-06

1.5. Staff Position (as on 1<sup>st</sup> Sep. 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Perman-ent /Temp-orary	Category (SC/ST/OBC/Others)	Mobile no.	Age	Email id	Photograph
1	Programme Coordinator	Vacant	Senior Scientist-cum-Head	-	37400-67000	9000	-	-	-	-	-	-	-	
2	Subject Matter Specialist	Dr. Vinod Kumar Singh	Subject Matter Specialist	Plant Protection	15600-39100	5400	19,680.00	02.02.09	Temporary	Others	9005092478	50	<a href="mailto:pariharvks@gmail.com">pariharvks@gmail.com</a>	
3	Subject Matter Specialist	Mr. Amar Nath Singh	Subject Matter Specialist	Agriculture Extension	15600-39100	5400	19,680.00	13.02.09	Temporary	Others	9005092464	53	<a href="mailto:amarnathsinghsmkvl@gmail.com">amarnathsinghsmkvl@gmail.com</a>	
4	Subject Matter Specialist	Vacant	Subject Matter Specialist	Agronomy	15600-39100	5400	-	-	-	-	-	-	-	-
5	Subject Matter Specialist	Mr. Umesh Kumar Singh	Subject Matter Specialist	Soil Science	15600-39100	5400	15,600.00	01.07.15	Temporary	Others	9005092458	43	<a href="mailto:umeshsingh.1816@rediffmail.com">umeshsingh.1816@rediffmail.com</a>	
6	Subject Matter Specialist	Vacant	Subject Matter Specialist	Plant Breeding	15600-39100	5400	-	-	-	-	-	-	-	-

13	Driver	Mr. Udit Pratap		5200 -20200	2000	8,560.00	13/03/06	Temporary	OBC	9005213336	47		
12	Stenographer	Mr. Abhishek Singh	Jr. Stenographer	5200-20200	2400	5,200.00	01.07.15	Temporary	Others	9044860913	34	<a href="mailto:abhisingh472@gmail.com">abhisingh472@gmail.com</a>	
11	Accountant / Superintendent	Mr. Ram Bahadur Singh	Office Superintendent cum Accountant	9300-34800	4200	13,060.00	02.02.09	Temporary	Others	9005092471	50	<a href="mailto:skandsingh240784@gmail.com">skandsingh240784@gmail.com</a>	
10	Farm Manager	Mr. Ajay Kumar Tripathi	Farm Manager	9300-34800	4200	9,300.00	01.07.15	Temporary	Others	9005092477	40	<a href="mailto:ajaykumartripathiimkvk1@gmail.com">ajaykumartripathiimkvk1@gmail.com</a>	
9	Computer Programmer	Mr. Gautam Gupta	Computer Programmer	9300-34800	4200	13,060.00	02.02.09	Temporary	Others	9005092468	39	<a href="mailto:gautam_11@rediffmail.com">gautam_11@rediffmail.com</a>	
8	Programme Assistant	Mrs. Richa Singh	Programme Assistant	9300-34800	4200	13,060.00	02.02.09	Temporary	Others	9005093011	37	<a href="mailto:richasingh.nutrition@gmail.com">richasingh.nutrition@gmail.com</a>	
7	Subject Matter Specialist	Vacant	Subject Matter Specialist	-	-	-	-	-	-	-	-	-	-

14	Driver	Mr. Satish Kumar Yadav	Driver	-	5200 -20200	2000	8,560.00	01/07/06	Temporary	OBC	9005092465	46	-	
15	Supporting staff	Mr. Ramesh Chandra Sharma	Supporting staff	-	15200-20200	1800	7,370.00	28/03/06	Temporary	OBC	9005093012	50	-	
16	Supporting staff	Mr. Amarnath	Supporting staff	-	15200-20200	1800	6,580.00	02.02.09	Temporary	SC	8896140139	43	-	

#### 1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	1.0
2.	Under Demonstration Units	2.08
3.	Under Crops	6.0
4.	Horticulture	1.0
5.	Pond	-
6.	Others if any	2.473
<b>Total</b>		<b>12.553</b>

#### 1.7. Infrastructural Development:

##### A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq. m)	Expenditure (Rs.)	Starting year	Plinth area (Sq. m)	Status of construction
1.	Administrative Building	ICAR	30.9.07	549.63	69.95	-	-	-
2.	Farmers Hostel	ICAR	30.9.07	304.09	44.09	-	-	-
3.	Staff Quarters (6)	ICAR	30.9.07	398.09	57.03	-	-	-
4.	Demonstration Units (2)	ICAR	30.9.07	159.12	23.28	-	-	-
5	Fencing	ICAR	30.10.07	6802 Rmt	28.01	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	ICAR	30.9.07	334.57	7.05	-	-	-

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	2006	501970	281050	Bad condition
Motorcycle-2	2009	89200	78452, 61825	Bad condition
Motorcycle-1	2010	50,005	65575	Bad condition

**C) Equipments & AV aids**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Overhead projector	2006	32000	Non working condition
Computer peripherals	2006	68000	Non working condition
LCD projector	2007	100000	Non working condition
Digital camera	2009	22300	Non working condition
Photocopier	2009	75000	Non working condition

**1.8. A). Details of SAC meetings to be conducted in the year**

Sl. No.	Date
1. Scientific Advisory Committee	September, 2023

**2. DETAILS OF DISTRICT****2.1 Major farming systems/enterprises (based on the analysis made by the KVK)**

S. No	Farming system/enterprise
1.	<b>Agricultural Crops: Irrigated-</b> Wheat, paddy, sugarcane, menthe, pulses and mustard.
2.	<b>Rainfed:-</b> Urd bean, Pigeon pea, Gram, Til, Groundnut, Toria
3.	<b>Fruit Crops:-</b> Mango, Guava <b>Vegetable Crops:-</b> Potato, Vegetable pea, Brinjal <b>Floriculture:-</b> Marigold, Gladiolus <b>Animal Husbandry:-</b> Cow, buffalo, sheep, goat, Poultry and pigs.

**2.2 Description of agro climatic zone and major agro ecological situations (based on soil and topography)****a) Soil type**

S. No	Agro climatic zone	Characteristics
1.	Agro-Climatic Zone (Planning Commission): Upper Gangetic Plain Region	
2.	Agro-Climatic Zone (NARP): UP-4 Central Plain Zone	
3.		

**b) Topography**

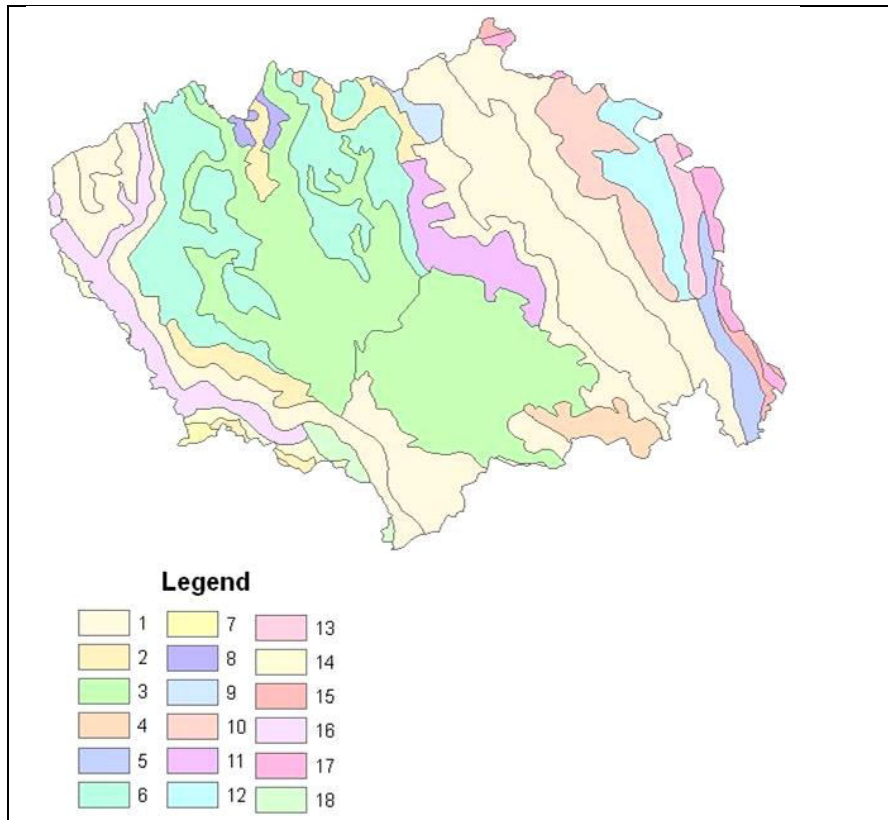
S. No	Agro ecological situation	Characteristics
1.	AES-I	
2.	AES-II	

**2.3 Soil types**

Sl. No	Soil type	Characteristics	Area (000 ha)	Percent(%) of total
1	Fine soil	Deep, fine soils moderately saline and sodic associated	188.6	38 %
2	Loamy soil	Deep, loamy soils and slightly eroded	143.9	29%
3	Silty soil	Deep, silty soils associated with loamy soils	114.1	23%

**Soil Map**





#### **Alluvial plain (0-1% slope)**

1. Deep, loamy soils and slightly eroded .
2. Deep, loamy soils and slightly eroded associated with silty soils .
3. Deep, fine soils moderately saline and sodic associated with loamy soils, slightly eroded .
4. Deep, fine soils and slightly eroded associated with loamy soils slightly saline and moderately sodic .
5. Deep, fine soils and slightly eroded associated with loamy soils .
6. Deep, silty soils associated with loamy soils slightly eroded .
7. Deep, silty soils with moderate salinity/sodicity associated with loamy soils slightly eroded .
8. Deep, loamy soils and slightly eroded associated with silty soils slightly saline/sodic and moderately sodic.
9. Deep, silty soils and slightly eroded associated with fine soils.

#### **Old Alluvial plain with river left out channels/Oxbows/point bars (1-3% slope)**

10. Deep, loamy soils and slightly eroded associated with stratified loamy soils slightly eroded

#### **Recent Alluvial Plain (1-3% slope)**

11. Deep, loamy soils with moderate water logging and slight salinity associated with fine soils, slightly water logging .
12. Deep, silty soils and slight flooding associated with loamy soils and slight flooding
13. Deep, loamy soils slightly eroded associated with sandy soils with slight flooding
14. Deep, silty soils, moderately saline and sodic associated with loam soils and slightly eroded

#### **Active Flood Plain (1-3% slope)**

15. Deep, sandy soils with moderate flooding associated with stratified loamy soils and slight flooding .

16. Deep, stratified loamy soils, with moderate flooding associated with sandy soils with moderate flooding .

17. Deep, stratified loamy soils, with severe flooding associated with loamy soils with moderate flooding.

#### Very gently sloping uplands with hummocks (1-3% slope)

18. Deep, fine soils, slightly eroded associated with fine smectitic soils and slightly eroded.

#### 2.4. Area, Production and Productivity of major crops cultivated in the district (2021)

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1	Wheat	211487	6562520	31.03
2	Paddy	166852	4070520	24.40
3	Sugarcane	146515	94760040	646.76
4	Sesame	5217	13360	02.56
5	Lentil	17613	116070	06.59
6	Mustard	26565	179740	06.77
7	Pigeon pea	3076	27500	08.94
8	Ground nut	2715	15100	05.56
9	Potato	3818	722750	189.30
10	Urd bean	11393	59160	05.19
11	Maize	8648	83490	09.65
12	Barley	606	15710	25.92
13	Jwar	3825	36810	09.62
14	Bajra	2259	19970	07.51
15	Gram	471	2330	04.95
16	Pea	1771	16970	09.58
17	Tobacco	474	26070	55
18	Turmeric	58	1670	28.91
19	Mentha	68785		

#### 2.5. Weather data

Month	Rainfall (mm)	Temperature <sup>0</sup> C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
Jan, 2021	-	27.5	0.1	100	28
Feb, 2021	7.2	31.7	08.1	97	18
Mar., 2021	-	41.1	09.0	94	19
Apr., 2021	5.0	41.8	16.7	81	09
May, 2021	56	44.7	21.3	83	15
Jun., 2021	139.2	45.3	22.2	100	22
July, 2021	311.6	35.9	23.2	100	66
Aug., 2021	97	35.2	24.1	100	59
Sep., 2021	401.8	35.4	23.0	98	49
Oct., 2021	219.8	36.1	14.3	98	22
Nov, 2021	-	33.0	09.6	89	25
Dec, 2021	-	27.0	04.9	100	32
<b>Total</b>	<b>1237.6</b>				

#### 2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	<b>20197</b>		
<i>Indigenous</i>	<b>587364</b>		
<b>Buffalo</b>	<b>509104</b>		
<b>Sheep</b>			
<i>Crossbred</i>	<b>00</b>		

<i>Indigenous</i>	<b>5364</b>		
<b>Goats</b>	<b>507151</b>		
<b>Pigs</b>			
<i>Crossbred</i>	<b>1288</b>		
<i>Indigenous</i>	<b>44807</b>		
<b>Rabbits</b>			
<b>Poultry</b>			
Hens	<b>300615</b>		
<i>Desi</i>	<b>75841</b>		
<i>Improved</i>	<b>157319</b>		

<b>Category</b>	<b>Area</b>	<b>Production</b>	<b>Productivity</b>
Fish			

## 2.7 Details of Operational area / Villages (2023)

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
	Godlamau, Mishrikh, Machhrehta, Kasmanda	Kursi, Khalegarhi, Barbatpur, Kunwarapur, Baniyamau, Madnapur, Dahawa, Kakaiyapara	Til, Urd bean, Mung bean, Pigeon pea, Field pea, Chick pea, Lentil, Wheat, Paddy, Mustard, Vegetables, fruits, Dairy and Poultry	Use of old seed variety, imbalance fertilization, infestation of pests, weed, nutritional deficiency, pests and disease in live stock	Use of quality seed variety with balance dose of fertilizer, Control of weed & insect pest and diseases, balance ration to livestock

## 2.8 Priority/thrust areas

S. No	Thrust area
1.	The productivity of major crops in the district is low, which is due to prevalence of old varieties, imbalance use of fertilizers and high incidence of insect and diseases. So there is a need to introduce high yielding, disease resistant varieties with balance use of fertilizers.
2.	Popularizing bio-fertilizer and maintenance of bio-productivity through crop residue management, green manuring and use of FYM and vermi-compost.
3.	Management technique for old orchards needs to popularize.
4.	The district has very poor breed of cattle. It needs cross breeding programme to promote the cattle development.
5.	Infertility in cow & buffaloes are the major problem due to imbalance feeding so promotion of balance feeding through locally available feed material is great need of the district for the growth & development of livestock.
6.	Malnutrition is prevalent at a wide range in rural women & children so there is a need to popularize certain recipes using locally available food items and to increase their awareness about major nutritional deficiency diseases, their causes and prevention.
7.	Capacity building of adolescent girls and women with already developed technologies and newly developed technologies and generation of income using non farming activities.

## 3. TECHNICAL PROGRAMME

### 3. A. Details of targeted mandatory activities by KVK during 2023

OFT		FLD			
No. of OFTs	No. of Farmers	Crops		Livestock	
		Area (ha)	No. of Farmers	No. of unit	No. of Farmers
10	68	215	565		

Training		Extension Activities	
No. of Courses	No. of Participants	No. of activities	No. of participants
176	4125	655	11065

Seed Production (Qtl.)	Planting material (Nos.)
	Fruits/Vegetables/Forest
224.5.00	1,22,550

### 3. B.1 Abstract of Interventions to be undertaken

S. N.	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Quality seed variety with balance dose of fertilizer, Role of sulphur	Til	Low yield	-	Improved seed & fertilizer management	Seed production technology in sesame	-	Pre sowing training & field day	Improved seed fertilizer
2	Quality seed variety, Role of Borex	Ground nut	Low yield	-	Improved seed Borex management	Seed treatment in pulses	-	Pre sowing training & field day	Improved seed Borex
3.	Quality seed variety with balance dose of fertilizer, Role of sulphur	Toria	Low yield	-	Improved seed & fertilizer management	Seed production technology in toria	-	Pre sowing training & field day	Improved seed, Sulphur
4.	Quality seed variety with balance dose of fertilizer, Role of sulphur	Mustard	Low yield	-	Improved seed & fertilizer management	Seed production technology in Mustard	-	Pre sowing training & field day	Improved seed sulphur
5	Quality seed variety with balance dose of fertilizer, pest management	Pigeon pea	Low yield	-	Improved seed & fertilizer management	Seed treatment in pulses	-	Pre sowing training & field day	Improved seed, pesticide
6	Quality seed variety with balance dose of fertilizer	Urd bean	Low yield	-	Improved seed & fertilizer management	Seed treatment in pulses	-	Pre sowing training & field day	Improved seed, fertilizer , seed treatment
	Quality seed variety with balance dose of fertilizer	Mung bean	Low yield	-	Improved seed & fertilizer management	Seed treatment in pulses	-	Pre sowing training & field day	Improved seed, fertilizer , seed treatment

7	Quality seed variety with balance dose of fertilizer	Chick pea	Low yield	Management of Helicoverpa with bio-pesticide	Improved seed & seed treatment	Seed treatment in pulses, seed production of Chick pea	-	Pre sowing training & field day	Improved seed, seed treatment
	Quality seed variety with balance dose of fertilizer	Field pea	Low yield	Management of Powdery mildew	Improved seed & seed treatment	Seed treatment in pulses, seed production of Chick pea	-	Pre sowing training & field day	Improved seed, seed treatment
	Quality seed variety with balance dose of fertilizer	Vegetable pea	Low yield	Management of Powdery mildew	Improved seed & seed treatment	Seed treatment in pulses, seed production of Chick pea	-	Pre sowing training & field day	Improved seed, seed treatment
8	Quality seed variety, Role of Sulphur	Lentil	Low yield	-	Improved seed & seed treatment, Sulphur	Seed treatment in pulses, seed production technology in lentil	-	Pre sowing training & field day	Improved seed, seed treatment, Sulphur
9	Quality seed variety with balance dose of fertilizer	Hybrid paddy	Low yield	-	Hybrid seed, seed treatment & fertilizer management	Seed production technology in rice, Control of paddy brown hopper, Control of khaira disease in paddy, transplanting of hybrid rice through SRI	-	Pre sowing training & field day	Improved seed, fertilizer, seed treatment
10	Quality seed variety with balance dose of fertilizer	Wheat	Low yield	Varietal evaluation	Improved seed & fertilizer management	Seed production technology in wheat, Weed management	-	Pre sowing training & field day	Improved seed, seed treatment, fertilizer management
11	Quality seed variety with balance dose of fertilizer	Maize	Low yield	-	Improved seed & fertilizer management	Seed production technology in maize, fertilizer management	-	Pre sowing training & field day	Improved seed, seed treatment, fertilizer management
12	Quality seed variety with balance dose of fertilizer	Oat	Low yield	-	Improved seed & fertilizer management	Seed production technology in maize, fertilizer management	-	Pre sowing training & field day	Improved seed, seed treatment, fertilizer management

### 3.1 Technologies to be assessed and refined

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Weed management	01		01							02
Varietal Evaluation	01	01			01					03
Integrated Crop Management Kitchen Garden										
Integrated Pest Management						01				01
Integrated Disease Management										
Integrated Nutrient Management										
Women and Child care	02				01					03
<b>TOTAL</b>	<b>04</b>	<b>01</b>	<b>01</b>		<b>02</b>	<b>01</b>				<b>09</b>

#### A.2. Abstract on the number of technologies to be refined in respect of crops

#### A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Dairy Management	01							01
Poultry Management								
<b>TOTAL</b>	<b>01</b>							<b>01</b>

#### A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises

### 3.1 ON FARM TRIALS

#### OFT-1

Particulars	Contents
<b>Title</b>	Management of thrips in mango orchard.
<b>Problem diagnosed</b>	Low productivity and profitability in mango orchard due to attack of thrips .
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1: Farmer practice (injurious use of harmful insecticide) T2: Application of thiomethoxam @ 0.3 gram/Lt. at pea stage of fruit.
<b>No. of farmers</b>	03
<b>Replications</b>	03
<b>Critical inputs</b>	Insecticide
<b>Production system</b>	Integrated Crop Management
<b>Source of technology</b>	CISH, Lucknow
<b>Total Cost</b>	Rs. 4000.00
<b>Observation to be recorded</b>	Technical : Yield Economical: C:B Ratio
<b>Reaction of the farmers</b>	Technology acceptability

## OFT-2

Particulars	Contents
<b>Title</b>	Evaluation of newly released and high yielding variety of wheat
<b>Problem diagnosed</b>	Low productivity of wheat crop due to growing more than 5 year old variety
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1- Farmer's practices (HD-2967) T2- DBW -222
<b>No. of farmers</b>	03
<b>Replications</b>	03
<b>Critical inputs</b>	Seed and fertilizer
<b>Source of technology</b>	IIWBR, Karnal, Haryana
<b>Total Cost</b>	5000/-
<b>Observation to be recorded</b>	Technical : Yield Economical : C: B ratio
<b>Reaction of the farmers</b>	Technology acceptability

## OFT-3

Particulars	Contents
<b>Title</b>	Evaluation of newly released, high yielding and bio fortified variety of yellow mustard
<b>Problem diagnosed</b>	Low productivity of mustard crop due to growing old variety
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1- Farmer's practices (Pitambari) T2- PDZM-31 (PDZ-1)
<b>No. of farmers</b>	03
<b>Replications</b>	03
<b>Critical inputs</b>	Seed and fertilizer
<b>Source of technology</b>	IARI, New Delhi
<b>Total Cost</b>	5000/-
<b>Observation to be recorded</b>	Technical : Yield Economical : C: B ratio
<b>Reaction of the farmers</b>	Technology acceptability

## OFT-4

Particulars	Contents
<b>Title</b>	Evaluation of newly released, high yielding and bio fortified variety of Potato
<b>Problem diagnosed</b>	Low productivity of potato crop due to growing old variety
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1- Farmer's practices (Kufri Chipsona) T2- Kufri neel kanth / K. manik
<b>No. of farmers</b>	03
<b>Replications</b>	03

<b>Critical inputs</b>	Seed and fertilizer
<b>Source of technology</b>	ICAR- CPRI, Shimla
<b>Total Cost</b>	10,000/-
<b>Observation to be recorded</b>	Technical : Yield Economical : C: B ratio
<b>Reaction of the farmers</b>	Technology acceptability

#### OFT-5

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Evaluation of new generation low –dose, high potency herbicide in transplanted rice.
<b>Problem diagnosed</b>	Low productivity of paddy crop due to weed infestation.
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1- Farmer’s practices (butachlor) T2- Application of new broad spectrum herbicide- Florpyroxifen-Benzyl (Rinskor) + Cyhalofop - Butyl( Primix) 150 gram / ha. applied at 18 days after transplanting.
<b>No. of farmers</b>	03
<b>Replications</b>	03
<b>Critical inputs</b>	Weedicide
<b>Source of technology</b>	ICAR- Directorate of Weed Research, Jabalpur
<b>Total Cost</b>	5000/-
<b>Observation to be recorded</b>	Technical : Yield Economical : C: B ratio
<b>Reaction of the farmers</b>	Technology acceptability

#### OFT-6

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Evaluation of post emergence herbicide in Urd bean.
<b>Problem diagnosed</b>	Low productivity of Urd bean due to weed infestation.
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1- Farmer’s practices (Pendimethyline) T2- Application of ready-mix herbicide fluazifop-p-ethyl (11.10%) + fomesafen (11 %) @ 220 gram/ha after 22 to 25 DAS (2-3 leaf stage)
<b>No. of farmers</b>	03
<b>Replications</b>	03
<b>Critical inputs</b>	Weedicide
<b>Source of technology</b>	ICAR- Directorate of Weed Research, Jabalpur
<b>Total Cost</b>	5000/-
<b>Observation to be recorded</b>	Technical : Yield Economical : C: B ratio
<b>Reaction of the farmers</b>	Technology acceptability
<b>Particulars</b>	<b>Contents</b>



## OFT-7

Particulars	Contents
Title	Feeding of protected protein for enhancing the milk production
Problem diagnosed	Poor nutritional level of cattle & buffaloes hence poor milk production
Micro farming situation	-
Details of technology identified for solution	T1- Farmer's practice (Feeding of poor quality concentrate and roughages) T2- Protein protected concentrate (Concentrate treated with Tannic acid/Formic acid)
No. of farmers	20
Replications	20
Critical inputs	Protein protector (Tannic acid/Formic acid)
Production system	Nutritional Management
Source of technology	IVRI, Bareilly
Total Cost	5000/-
Observation to be recorded	Technical : % increase in milk production and feed intake. Economical : Additional input (Rs./day, in terms of profit)
Reaction of the farmers	Acceptability of technology among farmers

## OFT-8

Particulars	Contents
Title	Evaluation of self/house made nutritive supplementary foods
Problem diagnosed	Low body weight and height of below three years baby due to malnutrition / under nourishment
Micro farming situation	-
Details of technology identified for solution	T1- Farmer's practice (No feeding of supplementary foods) T2-Wheat food mixture (wheat + gram pulse + groundnut + sugar @ 10:3:2:5)
No. of farmers	10
Replications	10
Critical inputs	supplementary foods
Production system	Women and child care
Source of technology	NIN, Hyderabad
Total Cost	4000/-
Observation to be recorded	Technical : Measurement of <i>body weight</i> and height Economical :
Reaction of the farmers	Acceptability of technology among peoples

## OFT-9

Particulars	Contents
Title	Evaluation of mixed cereal flour
Problem diagnosed	Nutritional deficiency among farm families.
Micro farming situation	-
Details of technology identified for solution	T1- Farmer's practice (use of wheat flour only) T2-Multi cereal flour (wheat 1kg, gram 50gm, pearl millet 50gm, oats 50 gm, soyabean 50 gm, maize 50 gm)
No. of farmers	10 Farm families
Replications	10
Critical inputs	Gram, pearl millet, oats, soyabean and maize flour.
Production system	Design and development of high nutrient efficient diet.
Source of technology	CCSHAU, Hisar
Total Cost	5000/-
Observation to be recorded	Technical : % of nutritional gain Heamoglobin level (pre and post)
Reaction of the farmers	Acceptability of technology among farmers

**OFT-10**

Particulars	Contents
<b>Title</b>	Evaluation of Bio fortified varieties
<b>Problem diagnosed</b>	Nutritional deficiency among women and adolescent girls
<b>Micro farming situation</b>	-
<b>Details of technology identified for solution</b>	T1- Farmer's practice (Growing non bio fortified varieties) T2- Bio fortified varieties
<b>No. of farmers</b>	10 Farm families
<b>Replications</b>	10
<b>Critical inputs</b>	Bio fortified varieties
<b>Production system</b>	Nutritional Kitchen gardening
<b>Source of technology</b>	
<b>Total Cost</b>	5000/-
<b>Observation to be recorded</b>	Technical: Comparison of nutrient intake in diet
<b>Reaction of the farmers</b>	Acceptability of technology among farmers

Sl. No.	Season	Crop	Variety	Additional nutrient
1	Kharif	Sweet Potato	Bhu-Sona	β Carotene
			Bhu- Krishna	Anthocynine
		Okra	Kashi Lalima	Antioxidant, Iron, Calcium
		Lobia	Pant Lobia 1, Pant Lobia 2	Iron, Zinc
2	Rabi	Potato	K. Neel kanth/ K. Manik	Anti-Oxidant
		Carrot	Pusa-Rudhira	β Carotene, Phenols
		Cauliflower	Pusa beta keshri 1 Pusa purple Cauliflower 1	β Carotene Anthocynine
		Cabbage	Kinner red	Anthocynine
		Broccoli	Palam vichitra, Palam sambriddhi , Palam kanchan, Pusa purple broccoli	Anthocynine, Vitamin C
3	Zaid	Tomato	Arka Vikas	Anthocynine
		Lobia	Pant Lobia 1, Pant Lobia 2	Iron, Zinc
		Okra	Kashi Lalima	Antioxidant, Iron, Calcium
4	Others	Pomegranate	Solapur lal (NRCP H 6)	Iron, Zinc, Vitamin C
		Moringa	PK 1, PK 2	Calcium, Potassium, Zinc, Magnesium, Iron, Copper, β Carotene, Vitamins
		Lemon	Kagzi Neembu	Vitamin C, Calcium, Copper, Iron, Potassium

**3.2 Frontline Demonstrations**
**A. Details of FLDs to be organized**
**3.2.1. Oilseeds and pulses**

Sl. No.	Crop/ variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers / demonstration	Parameters identified Yield/Profit/Other technological parameters
1.	Sesame	Varietal Evaluation / Nutrient Management	Improved variety/ Fertilizer management (Sulphur Application)	Seed, Sulphur	Kharif 2023	30	75	Yield/ Profit
2.	Mustard	Varietal	Improved variety	Seed, Sulphur	Rabi	20	50	Yield/ Profit

		Evaluation /INM	/Fertilizer management (Sulphur Application)		2023			
3.	Pigeon pea	Varietal Evaluation	Improved variety	Seed, Sulphur	Kharif 2023	10	25	Yield/ Profit
4.	Urd bean	Varietal Evaluation	Improved variety	Seed, Sulphur	Kharif 2023	20	50	Yield/ Profit
5.	Lentil	Varietal Evaluation	Improved variety	Seed, Sulphur	Rabi 2023	30	75	Yield/ Profit
6.	Field pea	Varietal Evaluation	Improved variety	Seed, Sulphur	Rabi 2023	20	50	Yield/ Profit
7.	Chick Pea	Varietal Evaluation	Improved variety	Seed	Rabi 2023	10	25	Yield/ Profit
8.	Urd Bean	Varietal Evaluation	Improved variety	Seed, Sulphur	Zaid 2023	20	50	Yield/ Profit
<b>Total</b>						<b>160</b>	<b>400</b>	

### 3.2.2 Other than oilseeds and pulses

Sl. No.	Crop/ variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demonstration	Parameters identified Yield/Profit/Other technological parameters
1	Paddy	Varietal Evaluation	Improved short duration variety	Seed	Kharif 2023	10	25	Yield/ Profit
2	Wheat	Varietal Evaluation / Resource Conservation technology	Improved variety / Zero seed drill	Seed	Rabi 2023	20	50	Yield/ Profit
<b>Total</b>						<b>30</b>	<b>75</b>	

### 3.2.3 Horticultural crop

Sl. No.	Crop/ variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demonstration	Parameters identified Yield/Profit/Other technological parameters
1.	Mango	IPM	Management of fruit fly	Pheromone trap	2023	06	15	yield/profit
2.	Bitter gourd	IPM	Management of fruit fly	Pheromone trap	2023	06	15	yield/profit
3.	Banana	IPM	Management of banana beetle	Insecticide	2023	04	10	yield/profit
4.	Potato	IDM	Management of late blight	Fungicide	2023	04	10	yield/profit
5.	Mango	IPM	Management of mango psylla insect	Insecticide	2023	04	10	yield/profit
<b>Total</b>						<b>24</b>	<b>60</b>	

### 3.2.4 Fodder crops

Sl. No.	Crop/ variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demonstration	Parameters identified Yield/Profit/Other technological parameters
1.								
<b>Total</b>								

### 3.2.5 Home Science (NARI)

S. No.	Thematic Area	Technology to be demonstrated	Critical input	No of farmer	Parameter to be measured
1.	Household Food and nutritional security	Nutritional garden area(100 m <sup>2</sup> ) throughout the year (Kharif-Rabi-Zaid)	vegetable sapling, seed	30	Health status, Availability of vegetable & fruit/person/day.

#### B. Extension and Training activities under FLD

Sl. No.	Activity	No. of activities To be organize	Month	Number of Participants
1	Field days	11		660
2	Farmers Training	11		475
3	Media coverage	11		
4	Training for extension functionaries	03		

#### C. Details of FLD on Enterprises

(i) Farm Implements:

(ii) Livestock Enterprises:

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Critical input	Performance parameters / Indicators

#### Details of training programmes (Jan. 2023 to Dec. 2023)

##### (1) Farmers & Farm women

##### 1.3 Training (including sponsored training and FLD programmes)

##### A) On campus

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>(A)Farmers &amp; Farm Woman</b>										
<b>I Crop Production</b>										
Weed Management	2	30	06	36	10	04	14	30	10	50
Resource Conservation Technologies	2	30	06	36	10	04	14	30	10	50
Cropping Systems										
Crop Diversification	1	15	03	18	05	02	07	20	05	25
Seed production	10	150	30	180	50	20	100	200	50	250
Nursery management	2	30	06	36	10	04	14	30	10	50
Integrated Crop Management	8	120	24	144	40	16	56	160	40	200
<b>Total</b>	<b>25</b>	<b>375</b>	<b>75</b>	<b>450</b>	<b>125</b>	<b>50</b>	<b>205</b>	<b>470</b>	<b>125</b>	<b>625</b>
<b>II Horticulture</b>										
<b>a) Vegetable Crops</b>										
Production of low value and high valume crops	1	15	3	18	5	2	7	20	5	25
Nursery raising	1	15	03	18	05	02	07	20	05	25
Protective cultivation (Green housed, shade net ect.)	1	15	03	18	05	02	07	20	05	25

<b>Total (a)</b>	<b>3</b>	<b>45</b>	<b>9</b>	<b>54</b>	<b>15</b>	<b>6</b>	<b>21</b>	<b>60</b>	<b>15</b>	<b>75</b>
<b>b) Fruits</b>										
Layout and Management of Orchards	2	30	6	30	10	4	14	40	10	50
Rejuvenation of old orchards	1	15	3	18	5	2	7	20	5	25
Plant propagation techniques	1	15	3	18	5	2	7	20	5	25
<b>Total (b)</b>	<b>4</b>	<b>60</b>	<b>12</b>	<b>72</b>	<b>20</b>	<b>8</b>	<b>28</b>	<b>80</b>	<b>20</b>	<b>100</b>
<b>GT (a-g)</b>	<b>7</b>	<b>105</b>	<b>21</b>	<b>126</b>	<b>35</b>	<b>14</b>	<b>49</b>	<b>140</b>	<b>35</b>	<b>175</b>
<b>III Soil Health and Fertility Management</b>										
Soil fertility management	1	15	3	18	5	2	7	20	5	25
Integrated Nutrient Management	4	60	12	72	20	8	28	80	20	100
Production and use of organic inputs	4	60	12	72	20	8	28	80	20	100
Micro nutrient deficiency in crops	1	15	3	18	5	2	7	20	5	25
Nutrient Use Efficiency	1	15	3	18	5	2	7	20	5	25
<b>Total</b>	<b>11</b>	<b>165</b>	<b>33</b>	<b>198</b>	<b>55</b>	<b>22</b>	<b>77</b>	<b>220</b>	<b>55</b>	<b>275</b>
<b>IV Livestock Production and Management</b>										
Dairy Management	3	45	9	54	15	6	21	60	15	75
Disease Management	2	30	6	36	10	4	14	40	10	50
Feed Management	7	105	21	126	35	14	49	140	35	175
<b>Total</b>	<b>12</b>	<b>180</b>	<b>36</b>	<b>216</b>	<b>60</b>	<b>24</b>	<b>84</b>	<b>240</b>	<b>60</b>	<b>300</b>
<b>V Home Science/Women empowerment</b>										
Designing and development for high nutrient efficiency diet	1	0	20	20	0	5	5	0	25	25
Minimization of nutrient loss in processing	1	0	20	20	0	5	5	0	25	25
Value addition	1	0	20	20	0	5	5	0	25	25
Women and child care	4	0	80	80	0	20	20	0	100	100
<b>Total</b>	<b>8</b>	<b>0</b>	<b>160</b>	<b>160</b>	<b>0</b>	<b>40</b>	<b>40</b>	<b>0</b>	<b>200</b>	<b>200</b>
<b>VI Agril. Engineering</b>										
Post Harvest Technology	2	30	6	36	10	4	14	40	10	50
<b>Total</b>	<b>2</b>	<b>30</b>	<b>6</b>	<b>36</b>	<b>10</b>	<b>4</b>	<b>14</b>	<b>40</b>	<b>10</b>	<b>50</b>
<b>VII Plant Protection</b>										
Integrated Pest Management	6	90	18	108	30	12	42	120	30	150
Integrated Disease Management	1	15	3	18	5	2	7	20	5	25
Bio-control of pests and diseases	2	30	6	36	10	4	14	40	10	50
<b>Total</b>	<b>9</b>	<b>135</b>	<b>27</b>	<b>162</b>	<b>45</b>	<b>18</b>	<b>63</b>	<b>180</b>	<b>45</b>	<b>225</b>
<b>IX Production of Inputs at site</b>										
Organic manures production	1	15	3	18	5	2	7	20	5	25
<b>Total</b>	<b>1</b>	<b>15</b>	<b>3</b>	<b>18</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>20</b>	<b>5</b>	<b>25</b>
<b>XI Others (Pl. specificity)</b>										
<b>TOTAL</b>	<b>75</b>	<b>1005</b>	<b>361</b>	<b>1366</b>	<b>335</b>	<b>174</b>	<b>539</b>	<b>1310</b>	<b>535</b>	<b>1875</b>
<b>(B) RURAL YOUTH</b>										
Mushroom Production	1	7	0	7	3	0	3	10	0	10
Bee-keeping	1	7	0	7	3	0	3	10	0	10
Seed production	2	20	6	26	10	4	14	30	10	40
Production of organic inputs	2	20	6	26	10	4	14	30	10	40
Planting material production	2	14	0	14	6	0	6	20	0	20
Value addition	1	0	7	7	0	3	3	0	10	10
Dairying	2	20	6	26	10	4	14	30	10	40
Sheep and goat rearing	1	10	3	13	5	2	7	15	5	20
Poultry production	1	10	3	13	5	2	7	15	5	20

Small scale processing	1	7	0	7	3	0	3	0	10	10
Tailoring and Stitching	1	7	0	7	3	0	3	0	10	10
<b>TOTAL</b>	<b>15</b>	<b>122</b>	<b>31</b>	<b>153</b>	<b>58</b>	<b>19</b>	<b>77</b>	<b>160</b>	<b>70</b>	<b>230</b>
<b>(C) EXTENSION PERSONALS</b>										
Productivity enhancement in field crops	3	30	9	39	15	6	21	45	15	60
Integrated Pest Management	3	21	0	21	9	0	9	30	0	30
Integrated Nutrient management	1	10	3	13	5	2	7	15	5	20
Rejuvenation of old orchards	1	7	0	7	3	0	3	10	0	10
Production and use of organic inputs	3	30	9	39	15	6	21	45	15	60
Women and Child care	1	0	7	7	0	3	3	0	10	10
Group Dynamics and farmers organization	1	10	3	13	5	2	7	15	5	20
Livestock feed and fodder production	3	30	9	39	15	6	21	45	15	60
<b>TOTAL</b>	<b>16</b>	<b>138</b>	<b>40</b>	<b>178</b>	<b>67</b>	<b>25</b>	<b>92</b>	<b>205</b>	<b>65</b>	<b>270</b>
<b>GRAND TOTAL</b>	<b>106</b>	<b>1265</b>	<b>432</b>	<b>1697</b>	<b>460</b>	<b>218</b>	<b>708</b>	<b>1675</b>	<b>670</b>	<b>2375</b>

### B) OFF campus

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>Farmers and Farm Women</b>										
<b>I Crop Production</b>										
Weed Management	4	60	12	72	20	8	28	80	20	100
Resource Conservation Technologies	1	15	3	18	5	2	7	20	5	25
Seed production	10	150	30	180	50	20	70	200	50	250
Nursery management	1	15	3	18	5	2	7	20	5	25
Integrated Crop Management	5	75	15	90	25	10	35	100	25	125
<b>Total</b>	<b>21</b>	<b>315</b>	<b>63</b>	<b>378</b>	<b>105</b>	<b>42</b>	<b>147</b>	<b>420</b>	<b>105</b>	<b>525</b>
<b>II Horticulture</b>										
<b>a) Vegetable Crops</b>										
Export potential vegetables	2	30	6	36	10	4	14	40	10	50
<b>Total (a)</b>	<b>2</b>	<b>30</b>	<b>6</b>	<b>36</b>	<b>10</b>	<b>4</b>	<b>14</b>	<b>40</b>	<b>10</b>	<b>50</b>
<b>b) Fruits</b>										
Training and Pruning	1	15	3	18	5	2	7	20	5	25
Layout and Management of Orchards	2	30	6	36	10	4	14	40	10	50
Cultivation of Fruit	1	15	3	18	5	2	7	20	5	25
<b>Total (b)</b>	<b>4</b>	<b>60</b>	<b>12</b>	<b>72</b>	<b>20</b>	<b>8</b>	<b>28</b>	<b>80</b>	<b>20</b>	<b>100</b>
<b>f) Spices</b>										
Production and Management technology	1	15	3	18	5	2	7	20	5	25
<b>GT (a-g)</b>	<b>7</b>	<b>105</b>	<b>21</b>	<b>126</b>	<b>35</b>	<b>14</b>	<b>49</b>	<b>140</b>	<b>35</b>	<b>175</b>
<b>III Soil Health and Fertility Management</b>										
Soil fertility management	3	45	9	54	15	6	21	60	15	75
Integrated Nutrient Management	3	45	9	54	15	6	21	60	15	75
Production and use of organic inputs	2	30	6	36	10	4	14	40	10	50
Management of Problematic soils	1	15	3	18	5	2	7	20	5	25
Micro nutrient deficiency in crops	1	15	3	18	5	2	7	20	5	25
Soil and Water Testing	1	15	3	18	5	2	7	20	5	25
<b>Total</b>	<b>11</b>	<b>165</b>	<b>33</b>	<b>198</b>	<b>55</b>	<b>22</b>	<b>77</b>	<b>220</b>	<b>55</b>	<b>275</b>

<b>IV Livestock Production and Management</b>										
Dairy Management	7	105	21	126	35	14	49	140	35	175
Disease Management	2	30	6	36	10	4	14	40	10	50
Feed Management	2	30	6	36	10	4	14	40	10	50
<b>Total</b>	<b>11</b>	<b>165</b>	<b>33</b>	<b>198</b>	<b>55</b>	<b>22</b>	<b>77</b>	<b>220</b>	<b>55</b>	<b>275</b>
<b>V Home Science/Women empowerment</b>										
Household food security by kitchen gardening and nutrition gardening	1	0	20	20	0	5	5	0	25	25
Design and development of low/minimum cost diet	1	0	20	20	0	5	5	0	25	25
Designing and development for high nutrient efficiency diet	2	0	40	40	0	10	10	0	50	50
Storage loss minimization techniques	1	0	20	20	0	5	5	0	25	25
Value addition	1	0	20	20	0	5	5	0	25	25
Women and child care	2	0	40	40	0	10	10	0	50	50
<b>Total</b>	<b>8</b>	<b>0</b>	<b>160</b>	<b>160</b>	<b>0</b>	<b>40</b>	<b>40</b>	<b>0</b>	<b>200</b>	<b>200</b>
<b>VII Plant Protection</b>										
Integrated Pest Management	5	75	15	90	25	10	35	100	25	125
Integrated Disease Management	2	30	6	36	10	4	14	40	10	50
Bio-control of pests and diseases	1	15	3	18	5	2	7	20	5	25
Production of bio control agents and bio pesticides	1	15	3	18	5	2	7	20	5	25
<b>Total</b>	<b>9</b>	<b>135</b>	<b>27</b>	<b>162</b>	<b>45</b>	<b>18</b>	<b>63</b>	<b>180</b>	<b>45</b>	<b>225</b>
<b>IX Production of Inputs at site</b>										
Organic manures production (A.S.)	1	15	3	18	5	2	7	20	5	25
<b>Total</b>	<b>1</b>	<b>15</b>	<b>3</b>	<b>18</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>20</b>	<b>5</b>	<b>25</b>
<b>X Capacity Building and Group Dynamics</b>										
Group dynamics	2	30	6	36	10	4	14	40	10	50
<b>Total</b>	<b>2</b>	<b>30</b>	<b>6</b>	<b>36</b>	<b>10</b>	<b>4</b>	<b>14</b>	<b>40</b>	<b>10</b>	<b>50</b>
<b>GRANT TOTAL</b>	<b>70</b>	<b>930</b>	<b>346</b>	<b>1276</b>	<b>310</b>	<b>164</b>	<b>474</b>	<b>1240</b>	<b>510</b>	<b>1750</b>

**C) CONSOLIDATED TABLE (On and Off campus)**

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>A) Farmers and Farm womens</b>										
<b>I Crop Production</b>										
Weed Management	6	90	18	108	30	12	42	120	30	150
Resource Conservation Technologies	3	45	9	54	15	6	21	60	15	75
Crop Diversification	1	15	3	18	5	2	7	20	5	25
Seed production	17	255	51	306	85	34	119	340	85	425
Nursery management	3	45	9	54	15	6	21	60	15	75
Integrated Crop Management	13	195	39	234	65	26	91	260	65	325
<b>Total</b>	<b>43</b>	<b>645</b>	<b>129</b>	<b>774</b>	<b>215</b>	<b>86</b>	<b>301</b>	<b>860</b>	<b>215</b>	<b>1075</b>
<b>II Horticulture</b>										
<b>a) Vegetable Crops</b>										

Production of low value and high volume crops	1	15	3	18	5	2	7	20	5	25
Nursery raising	1	15	3	18	5	2	7	20	5	25
Export potential vegetables	2	30	6	36	10	4	14	40	10	50
Protective cultivation (green hoses, shade net etc.)	1	15	3	18	5	2	7	20	5	25
<b>Total (a)</b>	<b>5</b>	<b>75</b>	<b>15</b>	<b>90</b>	<b>25</b>	<b>10</b>	<b>35</b>	<b>100</b>	<b>25</b>	<b>125</b>
<b>b) Fruits</b>										
Training and Pruning	1	15	3	18	5	2	7	20	5	25
Layout and Management of Orchards	4	60	12	72	20	8	28	80	20	100
Cultivation of Fruit	1	15	3	18	5	2	7	20	5	25
Rejuvenation of old orchards	1	15	3	18	5	2	7	20	5	25
Plant propagation techniques	1	15	3	18	5	2	7	20	5	25
<b>Total (b)</b>	<b>8</b>	<b>120</b>	<b>24</b>	<b>144</b>	<b>40</b>	<b>16</b>	<b>56</b>	<b>160</b>	<b>40</b>	<b>200</b>
<b>f) Spices</b>										
Production and Management technology	1	15	3	18	5	2	7	20	5	25
<b>Total (f)</b>	<b>1</b>	<b>15</b>	<b>3</b>	<b>18</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>20</b>	<b>5</b>	<b>25</b>
<b>GT (a-g)</b>	<b>14</b>	<b>210</b>	<b>42</b>	<b>252</b>	<b>70</b>	<b>28</b>	<b>98</b>	<b>280</b>	<b>70</b>	<b>350</b>
<b>III Soil Health and Fertility Management</b>										
Integrated Nutrient Management	4	60	12	72	20	8	28	80	20	100
Production and use of organic inputs										
Management of Problematic soils	7	105	21	126	35	14	49	140	35	175
Micro nutrient deficiency in crops	6	90	18	108	30	12	42	120	30	150
Nutrient Use Efficiency	1	15	3	18	5	2	7	20	5	25
Soil and Water Testing	1	15	3	18	5	2	7	20	5	25
<b>Total</b>	<b>19</b>	<b>285</b>	<b>57</b>	<b>342</b>	<b>95</b>	<b>38</b>	<b>133</b>	<b>380</b>	<b>95</b>	<b>475</b>
<b>IV Livestock Production and Management</b>										
Dairy Management	10	150	30	180	50	20	70	200	50	250
Disease Management	4	60	12	72	20	8	28	80	20	100
Feed Management	9	135	27	162	45	18	63	180	45	225
Production of quality animal products										
<b>Total</b>	<b>23</b>	<b>345</b>	<b>69</b>	<b>414</b>	<b>115</b>	<b>46</b>	<b>161</b>	<b>460</b>	<b>115</b>	<b>575</b>
<b>V Home Science/Women empowerment</b>										
Household food security by kitchen gardening and nutrition gardening	1	0	20	20	0	5	5	0	25	25
Design and development of low/minimum cost diet	1	0	20	20	0	5	5	0	25	25
Designing and development for high nutrient efficiency diet	3	0	60	60	0	15	15	0	75	75
Minimization of nutrient loss in processing	1	0	20	20	0	5	5	0	25	25
Storage loss minimization techniques	1	0	20	20	0	5	5	0	25	25
Value addition	1	0	20	20	0	5	5	0	25	25
Income generation activities for empowerment of rural Women	1	0	20	20	0	5	5	0	25	25
Location specific drudgery	1	0	20	20	0	5	5	0	25	25



reduction technologies										
Women and child care	6	0	120	120	0	30	30	0	150	150
<b>Total</b>	<b>15</b>	<b>0</b>	<b>300</b>	<b>300</b>	<b>0</b>	<b>75</b>	<b>75</b>	<b>0</b>	<b>375</b>	<b>375</b>
<b>VI Agril. Engineering</b>										
Post Harvest Technology	2	30	6	36	10	4	14	40	10	50
<b>Total</b>	<b>2</b>	<b>30</b>	<b>6</b>	<b>36</b>	<b>10</b>	<b>4</b>	<b>14</b>	<b>40</b>	<b>10</b>	<b>50</b>
<b>VII Plant Protection</b>										
Integrated Pest Management	11	165	33	198	55	22	77	220	55	275
Integrated Disease Management	3	45	9	54	15	6	21	60	15	75
Bio-control of pests and diseases	3	45	9	54	15	6	21	60	15	75
Production of bio control agents and bio pesticides	1	15	3	18	5	2	7	20	5	25
<b>Total</b>	<b>18</b>	<b>270</b>	<b>54</b>	<b>324</b>	<b>90</b>	<b>36</b>	<b>126</b>	<b>360</b>	<b>90</b>	<b>450</b>
<b>IX Production of Inputs at site</b>										
Organic manures production	2	30	6	36	10	4	14	40	10	50
<b>Total</b>	<b>2</b>	<b>30</b>	<b>6</b>	<b>36</b>	<b>10</b>	<b>4</b>	<b>14</b>	<b>40</b>	<b>10</b>	<b>50</b>
<b>X Capacity Building and Group Dynamics</b>										
Leadership development	2	30	6	36	10	4	14	40	10	50
Group dynamics	2	30	6	36	10	4	14	40	10	50
<b>Total</b>	<b>4</b>	<b>60</b>	<b>12</b>	<b>72</b>	<b>20</b>	<b>8</b>	<b>28</b>	<b>80</b>	<b>20</b>	<b>100</b>
<b>XI Agro-forestry</b>	1	15	3	18	5	2	7	20	5	25
<b>Total</b>	<b>4</b>	<b>60</b>	<b>12</b>	<b>72</b>	<b>20</b>	<b>8</b>	<b>28</b>	<b>80</b>	<b>20</b>	<b>100</b>
<b>GRAND TOTAL</b>	<b>145</b>	<b>1935</b>	<b>707</b>	<b>2642</b>	<b>645</b>	<b>338</b>	<b>983</b>	<b>2550</b>	<b>1045</b>	<b>3625</b>
<b>(B) RURAL YOUTH</b>										
Mushroom Production	1	7	0	7	3	0	3	10	0	10
Bee-keeping	1	7	0	7	3	0	3	10	0	10
Seed production	2	20	6	26	10	4	14	30	10	40
Production of organic inputs	2	20	6	26	10	4	14	30	10	40
Planting material production	2	14	0	14	6	0	6	20	0	20
Value addition	1	0	7	7	0	3	3	0	10	10
Dairying	2	20	6	26	10	4	14	30	10	40
Sheep and goat rearing	1	10	3	13	5	2	7	15	5	20
Poultry production	1	10	3	13	5	2	7	15	5	20
Small scale processing	1	7	0	7	3	0	3	0	10	10
Post Harvest Technology										
Tailoring and Stitching	1	7	0	7	3	0	3	0	10	10
<b>TOTAL</b>	<b>15</b>	<b>122</b>	<b>31</b>	<b>153</b>	<b>58</b>	<b>19</b>	<b>77</b>	<b>160</b>	<b>70</b>	<b>230</b>
<b>(C) EXTENSION PERSONALS</b>										
Productivity enhancement in field crops	3	30	9	39	15	6	21	45	15	60
Integrated Pest Management	3	21	0	21	9	0	9	30	0	30
Integrated Nutrient management	1	10	3	13	5	2	7	15	5	20
Rejuvenation of old orchards	1	7	0	7	3	0	3	10	0	10
Production and use of organic inputs	3	30	9	39	15	6	21	45	15	60
Women and Child care	1	0	7	7	0	3	3	0	10	10
Group Dynamics and farmers organization	1	10	3	13	5	2	7	15	5	20
Livestock feed and fodder production	3	30	9	39	15	6	21	45	15	60
<b>TOTAL</b>	<b>16</b>	<b>138</b>	<b>40</b>	<b>178</b>	<b>67</b>	<b>25</b>	<b>92</b>	<b>205</b>	<b>65</b>	<b>270</b>
<b>GRAND TOTAL</b>	<b>176</b>	<b>2195</b>	<b>778</b>	<b>2973</b>	<b>770</b>	<b>382</b>	<b>1152</b>	<b>2915</b>	<b>1180</b>	<b>4125</b>

## Details of training program in Annexure-IV

### 3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	10									600
Kisan Mela	01									600
Kisan Ghosthi	03									900
Exhibition	03									500
Film Show	03									90
Method Demonstrations	10									500
Farmers Seminar	00									00
Workshop	00									00
Lectures delivered as resource persons	50									1500
Newspaper coverage	20									1000
Radio talks	00									00
TV talks	02									200
Popular articles	03									
Extension Literature	05									05
Advisory Services	120									600
Scientific visit to farmers field	150									750
Farmers visit to KVK	200									600
Diagnostic visits	50									500
Exposure visits	10									250
Ex-trainees Sammelan	02									150
Soil health Camp	05									1000
Animal Health Camp	01									120
Soil test campaigns	05									1000
Celebration of important days (specify)	02									200
<b>Total</b>	<b>655</b>									<b>11065</b>

### 3.5 Target for Production and supply of Technological products

#### SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Wheat	Unnat Halna, DBW-187	40.00
OILSEEDS	Mustard	Pitambari	2.50
	Til	RT 351	2.00
PULSES			
	Urd bean	PU 31	2.00
	Mung bean	HUM 16	2.00
	Lentil	HUL 57, PL 8	3.00
	Gram	RSG 963	2.00
	Pea	Pant Matar – 14	1.00
OTHERS (Specify)	Potato	Kufri chipsona-3	170.00
<b>Total</b>			<b>224.50</b>

## PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>FRUITS</b>	Mango	Dashari	100
	Aonla	N 7	50
	Guava	Lalit	100
	Bale	NB 5	50
	Lemon	Pant Lemon	50
	Papaya	Pusa Nanha	500
	Banana	G-9	1,00,000
	<b>SPICES</b>		
<b>VEGETABLES</b>	Brinjal	Pusha Shankar 6	2500
	Cabbage	Golden acre	2500
	Tomato	Avinash 2	4000
	Chili	Azad Mirch 1, Pusha Jwala	3000
	Bottle guard	Narendra Sankar 4	200
	Cauliflower	Pusa Sharad	3000
<b>FOREST SPECIES</b>			
<b>ORNAMENTAL CROPS</b>	Marigold	Pusa Basanti	5000
<b>PLANTATION CROPS</b>			
	Neem		500
	Baranda		1000
<b>Others (specify)</b>			
<b>Total</b>			<b>1,22,550</b>

### Bio-products:

Bio-products	Name of bio-products	Quantity (Kg)
Bio-fertilizer	Vermi compost	8000
	NADEP	4000
	Worms	50
<b>Total</b>		<b>12050</b>

**LIVESTOCK : Nil**

### 3.6. Literature to be Developed/Published

(A) **KVK News Letter ((Date of start, Periodicity, number of copies to be published etc.)**  
Krishi Samvad Patrika (Jan 2007, Six monthly, 1000 copies)

### (B) Literature developed/published

Item	Number of copies
Research papers	05
Technical reports	04
News letters	02
Technical bulletins	02
Popular articles	03
Extension literature	05
Others (Pl. specify)	
<b>TOTAL</b>	<b>21</b>

### (C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
--------	---	------------------------	--------

1	Audio & Video CD	Crop production	00
---	------------------	-----------------	----

**3.7 Success stories/Case studies identified for development as a case: 05**

**5.8 Indicate the specific training need analysis tools/methodology followed for**

- **practicing farmers**
- Rural Youth
- Inservice personnel

Through

- PRA
- Group discussion
- Personal contact
- Kisan Goshthi
- Diagnostic visits
- Discussion with Line departments
- Meeting with Ex-trainees

**5.9 Indicate the methodology for identifying OFTs/FLDs**  
**For OFTs**

- a) PRA
- b) Problem identified from matrix
- c) Field level observation
- d) Farmer group discussion
- e) Others if any

**For FLDs**

- a) New varieties/technology
- b) Poor yield at farmers levels
- c) Existing cropping systems
- d) Others if any

**3.10 Field activities**

- a. Name of villages identified for adoption with block name (from which year): **24 villages in 6 blocks (Sidhauli, Godlamau, Kasmanda, Pehla, Mehmoodabad and Rampur Mathura)**
- b. No. of farm families selected per village: **20**
- c. No. of survey/PRA to be conducted: **10**
- d. No. of technology to the adopted village:
- e. Name of the technology found suitable by the farmers of the adopted villages:
- f. Impact (Production, income, employment, area/technological-horizontal/vertical):
- g. Constraints if any in the continued application of these improved technologies:

**3.11. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab: Established

**1. Year of establishment : 2012**

**2. List of equipments purchase with amount**

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1			

**3. Targets of samples for analysis:**

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	3000	3000	60	30000
Water				
Plant				
<b>Total</b>	<b>3000</b>	<b>3000</b>	<b>60</b>	<b>30000</b>

**4.0 LINKAGES****4.1 Functional linkage with different organizations**

Sl. No.	Name of organization	Nature of linkage
1.	State Department of Agriculture and Horticulture	Participation in farmers scientist interaction programme, joint diagnostic visit, Kharif, Rabi, Zaid Gosthies etc.
2.	Chandra Shekhar Azad University of Agriculture & technology, Kanpur	Participation in pre-seasonal and monthly workshop on Zaid, Kharif and Rabi crops, procurement of seed and technical information
3.	N.D. University of Agriculture & technology, Faizabad	Procurement of seed and technical information
4.	G.B. Pant University of Agriculture & Technology, Pant Nagar	Procurement of seed, technical information etc.
5.	National Botanical Research Institute, Lucknow	Technical information and saplings
6.	ICAR-Indian Institute of Pulse Research, Kanpur	Procurement of seed and technical information
7.	ICAR-Central Institute of Sub-Tropical Horticulture, Lucknow	Procurement of seed and technical information
8.	ICAR-Indian Institute of Vegetable Research, Kanpur	Procurement of seed and technical information
9.	NCIPM, New Delhi	Technical information
10.	CIPMC, New Delhi	Technical information
11.	State Govt. Veterinary, Ataria	Co-operation in vaccination programme

**4.2 Details of linkage with ATMA**a) Is ATMA implemented in your district: **Yes**

S. No.	Programme	Nature of linkage
1.	Training	Participation as Resource person
2.	FLD	Visit of FLDs
3.	Kisan Mela	Participation as Resource person
4.	Kisan Ghosthi	Participation as Resource person

**4.3 Give details of programmes under National Horticultural Mission**

S. No.	Programme	Nature of linkage
1.	Training	Participation as Resource person
2.	Meeting	Participation in governing body meeting as a member

**4.5 Nature of linkage with National Fisheries Development Board: No****5.0 Utilization of hostel facilities**

The hostel facility is used for the on campus training of farmers, rural youth and sponsored training.

S. No.	Programme	No. of days
	<b>Total</b>	

### 6.0 Convergence with departments:

### 7.0 Feedback of the farmers about the technologies demonstrated and assessed:

Feedback from the farmers about technologies demonstrated will be collected.

### 8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:

Subject wise feedback about technologies will be collected and it will be sent to the concerned research institutions/universities.

### Annexure - I

#### Training Programme

#### i) Farmers & Farm women (On Campus)

Discipline	Clientle	Title of training Programme	Month	Duration (in days)	No. of Participants						Grand Total
					Others			SC/ST			
					M	F	T	M	F	T	
<b>January- March 2023</b>											
Crop production	PF/FW	Cultivation of Menthol mint	February	01	15	03	18	05	02	07	25
	PF/FW	Use of micro Irrigation system in crops	March	01	15	03	18	05	02	07	25
Plant Protection	PF/FW	Management of pod borer in chickpea & pigeon pea through bio-agent	January	01	15	03	18	05	02	07	25
	PF/FW	Management of Insect pests of mustard	January	01	15	03	18	05	02	07	25
	PF/FW	Management of insect pest and diseases in tomato	January	01	15	03	18	05	02	07	25
Horticulture	PF/FW	Protective cultivation of vegetable crops	March	01	15	03	18	05	02	07	25
Soil Science	PF/FW	Method of NADEP compost production	January	02	15	03	18	05	02	07	25
	PF/FW	Importance & use of bio fertilizers in summer pulses	February	02	15	03	18	05	02	07	25
Extension	PF/FW	Importance of Crop rotation	January	01	15	03	18	05	02	07	25
Plant Breeding	PF/FW	Seed protection techniques of pumpkin	January	01	15	03	18	05	02	07	25
	PF/FW	Seed protection techniques of cucumber and bottle gourd	February	01	15	03	18	05	02	07	25
	PF/FW	Seed protection techniques of sponge gourd, ridge gourd and satputia	March	01	15	03	18	05	02	07	25
Live stock Production	PF/FW	Poultry disease management	January	01	15	03	18	05	02	07	25
	PF/FW	Wheat straw treatment with urea and molasses	February	01	15	03	18	05	02	07	25
Home Science	PF/FW	Dietary management in anemia	February	01	00	20	20	00	05	05	25
<b>April- June 2023</b>											
Crop production	PF/FW	Production technology of rice	April	01	15	03	18	05	02	07	25

	PF/FW	Nursery management in rice	May	01	15	03	18	05	02	07	25
	PF/FW	Weed management in kharif crops	June	01	15	03	18	05	02	07	25
	PF/FW	Seed production technology of oilseed and pulses	April	02	15	03	18	05	02	07	25
Plant Protection	PF/FW	Integrated management of fruit fly in Mango orchard	April	01	15	03	18	05	02	07	25
	PF/FW	Management of stored grain pests	May	01	15	03	18	05	02	07	25
	PF/FW	Bio control of sugarcane pests	May	01	15	03	18	05	02	07	25
Horticulture	PF/FW	Planting techniques of fruit orchards (Guava, Mango etc.)	June	01	15	03	18	05	02	07	25
	PF/FW	Scientific cultivation of water nut	June	01	15	03	18	05	02	07	25
Soil Health	PF/FW	Causes of Soil fertility deterioration and its management	May	01	15	03	18	05	02	07	25
	PF/FW	Control of Khaira disease in rice	June	01	15	03	18	05	02	07	25
	PF/FW	Nitrogen management on the basis of LCC in rice	August	01	15	03	18	05	02	07	25
Extension	PF/FW	Post harvest technology of Rabi crops	May	01	15	03	18	05	02	07	25
	PF/FW	Awareness about PMFBY	June	01	15	03	18	05	02	07	25
	PF/FW	SRI technique for Paddy plantation	June	01	15	03	18	05	02	07	25
Plant Breeding	PF/FW	Seed protection techniques of bottle gourd.	April	01	15	03	18	05	02	07	25
	PF/FW	Seed protection techniques of pigeon pea.	June	01	15	03	18	05	02	07	25
Live stock Production	PF/FW	Common contagious disease of dairy animals	April	02	15	03	18	05	02	07	25
	PF/FW	Formulation of balanced diet for cattle and buffalo	May	01	15	03	18	05	02	07	25
	PF/FW	Importance of mineral mixture in cattle and buffalo	June	02	15	03	18	05	02	07	25
Home Science	PF/FW	Importance & preparation of ORS	April	01	00	20	20	00	05	05	25
	PF/FW	Techniques to minimize nutrient loss during cooking	June	01	00	20	20	00	05	05	25
<b>July- September 2023</b>											
Crop production	PF/FW	Cultivation of Urd bean as intercrop	July	01	15	03	18	05	02	07	25
	PF/FW	Natural Farming	September	01	15	03	18	05	02	07	25
Plant Protection	PF/FW	Integrated Pest Management in Paddy	July	01	15	03	18	05	02	07	25
Horticulture	PF/FW	Nursery raising techniques of Kharif vegetable crops	July	01	15	03	18	05	02	07	25
	PF/FW	Propagation techniques of fruit plants	July	01	15	03	18	05	02	07	25

Soil Science	PF/FW	Importance and management of organic matter in soil	July	02	15	03	18	05	02	07	25
	PF/FW	Nutrient management in crops under rainfed condition	July	02	15	03	18	05	02	07	25
Extension	PF/FW	Natural farming	July	02	15	03	18	05	02	07	25
	PF/FW	Techniques of rain water harvesting	July	01	15	03	18	05	02	07	25
Plant Breeding	PF/FW	Seed protection techniques of bitter gourd.	July	01	15	03	18	05	02	07	25
	PF/FW	Seed protection techniques of mustard	September	01	15	03	18	05	02	07	25
Live stock Production	PF/FW	Control and elimination of external and internal parasite in large and small animals	July	01	15	03	18	05	02	07	25
	PF/FW	Care of buffalo at and after calving	August	01	15	03	18	05	02	07	25
	PF/FW	Preservation of green forage (silage and hay making)	September	02	15	03	18	05	02	07	25
Home Science	PF/FW	Preparation of weaning food for children	July	01	00	20	20	00	05	05	25
<b>October-December 2023</b>											
Crop production	PF/FW	Natural farming	October	01	15	03	18	05	02	07	25
	PF/FW	Weed management in rabi crops	November	01	15	03	18	05	02	07	25
	PF/FW	Cultivation of wheat by Zero tillage in late condition	November	01	15	03	18	05	02	07	25
Plant Protection	PF/FW	Insect pest management in cole crops	October	01	15	03	18	05	02	07	25
	PF/FW	Disease management in Potato crop	November	01	15	03	18	05	02	07	25
Horticulture	PF/FW	Rejuvenation of old orchard	November	01	15	03	18	05	02	07	25
	PF/FW	Use of micro Irrigation system in horticultural crops	October	01	15	03	18	05	02	07	25
Soil Science	PF/FW	Integrated nutrient management in Rabi crops	October	01	15	03	18	05	02	07	25
	PF/FW	Role of Sulphur in oil seed & pulses	October	01	15	03	18	05	02	07	25
	PF/FW	Importance of foliar nutrition in crops	November	01	15	03	18	05	02	07	25
	PF/FW	Role of Asymbiotic bacterial culture in cereals	November	01	15	03	18	05	02	07	25
Extension	PF/FW	Natural farming	October	01	15	03	18	05	02	07	25
	PF/FW	Post harvest technology in Kharif crops	October	01	15	03	18	05	02	07	25
	PF/FW	Preparation of FYM and its use in horticultural crops	November	01	15	03	18	05	02	07	25
Plant Breeding	PF/FW	Seed protection techniques of vegetable pea	October	01	15	03	18	05	02	07	25
	PF/FW	Seed protection techniques of lentil	November	01	15	03	18	05	02	07	25



Live stock Production	PF/FW	Green fodder production under agro-forestry system for cattle and buffalo	October	01	15	03	18	05	02	07	25
	PF/FW	Importance of concentrate feeding in milch animals	November	01	15	03	18	05	02	07	25
	PF/FW	Care & management of Heifers	December	01	15	03	18	05	02	07	25
Home Science	PF/FW	High nutrient diet for pregnant and lactating women	October	01	00	20	20	00	05	05	25
	PF/FW	Importance of balanced diet in school going children	November	01	00	20	20	00	05	05	25
	PF/FW	Preservation of seasonal fruits and vegetables	November	01	00	20	20	00	05	05	25

**i) Farmers & Farm women (Off-Campus)**

Discipline	Clientele	Title of training Programme	Month	Duration (in days)	No. of Participants						Grand Total
					Others			SC/ST			
					M	F	T	M	F	T	
<b>January- March 2023</b>											
Crop production	PF/FW	Scientific cultivation of pulses	February	01	15	03	18	05	02	07	25
	PF/FW	Weed management in pulses and cereals	March	01	15	03	18	05	02	07	25
	PF/FW	Seed Production Technology of pulses	February	02	15	03	18	05	02	07	25
Plant Protection	PF/FW	Management of fruit fly in cucurbits	February	01	15	03	18	05	02	07	25
	PF/FW	Multiplication of HaNPV in field condition	February	01	15	03	18	05	02	07	25
Horticulture	PF/FW	Scientific cultivation of cucurbits in summer	February	01	15	03	18	05	02	07	25
	PF/FW	Training and pruning techniques of orchard	March	01	15	03	18	05	02	07	25
Soil Science	PF/FW	Hazards of agrochemicals in soil	March	01	15	03	18	05	02	07	25
	PF/FW	Micronutrient deficiency and its management in crops	January	01	15	03	18	05	02	07	25
	PF/FW	Green manuring for improving soil fertility	February	01	15	03	18	05	02	07	25
Extension	PF/FW	Preparation of NADEP compost and its use in orchard & field crops	March	01	15	03	18	05	02	07	25
	PF/FW	Preparation and use of indigenous formulation for the management of blue bulls	February	01	15	03	18	05	02	07	25
Plant Breeding	PF/FW	Seed protection techniques of Okra	February	01	15	03	18	05	02	07	25
	PF/FW	Seed protection techniques of lobia	March	01	15	03	18	05	02	07	25
Live stock Production	PF/FW	Preservation of green fodder for the cattle and buffalo	January	01	15	03	18	05	02	07	25
	PF/FW	Importance of deworming in animals	February	01	15	03	18	05	02	07	25

	PF/FW	Clean milk production	February	01	15	03	18	05	02	07	25
Home Science	PF/FW	Importance of green leafy vegetables in diet	January	01	00	20	20	00	05	05	25
	PF/FW	Importance and use of soya bean as protein supplement	March	01	00	20	20	00	05	05	25
<b>April-June 2023</b>											
Crop Production	PF/FW	Scientific cultivation of pigeon pea	May	01	15	03	18	05	02	07	25
	PF/FW	Technique for raising paddy nursery	June	01	15	03	18	05	02	07	25
	PF/FW	Weed management in kharif crops	June	01	15	03	18	05	02	07	25
	PF/FW	Seed Production Technology of pigeonpea	June	01	15	03	18	05	02	07	25
Plant Protection	PF/FW	Insect pest and disease management in pulses	June	01	15	03	18	05	02	07	25
	PF/FW	Seed treatment in kharif crops	June	01	15	03	18	05	02	07	25
Horticulture	PF/FW	Intercropping of turmeric and Zimikand in Mango orchard	April	01	15	03	18	05	02	07	25
	PF/FW	Scientific cultivation of banana	May	01	15	03	18	05	02	07	25
Soil Science	PF/FW	Importance of soil testing and fertilizer recommendation for crops	April	01	15	03	18	05	02	07	25
	PF/FW	Production & use of BGA in paddy	June	01	15	03	18	05	02	07	25
	PF/FW	Reclamation & management of salt affected soil	May	01	15	03	18	05	02	07	25
Extension	PF/FW	Awareness about the profitable plans for the farmers	April	02	15	03	18	05	02	07	25
	PF/FW	Awareness about PMFBY	May	01	15	03	18	05	02	07	25
Plant Breeding	PF/FW	Seed protection techniques of urd and mung bean	April	01	15	03	18	05	02	07	25
	PF/FW	Seed protection techniques of paddy	June	01	15	03	18	05	02	07	25
Live stock Production	PF/FW	Importance of vaccination against H.S., B.Q., F.M.D. disease	May	02	15	03	18	05	02	07	25
	PF/FW	Dairy cattle housing & hygiene	June	01	15	03	18	05	02	07	25
Home Science	PF/FW	Packaging & storage of Food grains	May	01	00	20	20	00	05	05	25
	PF/FW	Importance of Immunization in children	June	01	00	20	20	00	05	05	25
<b>July- September 2023</b>											
Crop Production	PF/FW	Improved cultivation of pulses and oil seeds	September	01	15	03	18	05	02	07	25
	PF/FW	Intercropping of maize and potato in sugarcane	September	01	15	03	18	05	02	07	25
Plant Protection	PF/FW	Disease management in vegetable nursery	August	01	15	03	18	05	02	07	25
	PF/FW	Biological control of parthanium	August	01	15	03	18	05	02	07	25
	PF/FW	IPM in kharif vegetables	September	01	15	03	18	05	02	07	25

Horticulture	PF/FW	Organic farming of vegetables	August	01	15	03	18	05	02	07	25
	PF/FW	Application of paclobutrazol for the management of irregular bearing in mango	September	01	15	03	18	05	02	07	25
Soil Science	PF/FW	Nutrient management in paddy under submerged condition	July	01	15	03	18	05	02	07	25
	PF/FW	Importance of essential plant nutrient in crop production	September	01	15	03	18	05	02	07	25
Extension	PF/FW	Crop residue management	July	02	15	03	18	05	02	07	25
	PF/FW	Importance of irrigation in different stages of horticultural crops	August	02	15	03	18	05	02	07	25
	PF/FW	Weed control in rice field	July	01	15	03	18	05	02	07	25
Plant Breeding	PF/FW	Seed protection techniques of Sesemum	July	01	15	03	18	05	02	07	25
	PF/FW	Seed protection techniques of Toria	September	01	15	03	18	05	02	07	25
Live stock Production	PF/FW	Importance and production technology of perennial fodder crops	July	01	15	03	18	05	02	07	25
	PF/FW	Importance of colostrum feeding in newly born calves	August	01	15	03	18	05	02	07	25
	PF/FW	Hazardous effect of oxitocin	September	02	15	03	18	05	02	07	25
Home Science	PF/FW	Low cost nutritious recipies for school going children	July	01	00	20	20	00	05	05	25
	PF/FW	Importance of balanced and high nutrient diet for adolescent girls	September	01	00	20	20	00	05	05	25
<b>October-December 2023</b>											
Crop Production	PF/FW	Role of sulphur in oil seed and pulses	October	01	15	03	18	05	02	07	25
	PF/FW	Cultivation of wheat by Zero tillage in late condition	November	01	15	03	18	05	02	07	25
	PF/FW	Weed management in rabi crops	December	01	15	03	18	05	02	07	25
Plant Protection	PF/FW	IPM in Mango orchard	October	01	15	03	18	05	02	07	25
	PF/FW	IPM in toria	October	01	15	03	18	05	02	07	25
Horticulture	PF/FW	Cultivation of garlic and onion	October	01	15	03	18	05	02	07	25
Soil Science	PF/FW	Methods of fertilizer application in crops	October	02	15	03	18	05	02	07	25
	PF/FW	Use of organic inputs in Rabi crops	October	02	15	03	18	05	02	07	25
Extension	PF/FW	Importance of crop rotation	November	01	15	03	18	05	02	07	25
Plant Breeding	PF/FW	Seed protection techniques of chick pea	October	01	15	03	18	05	02	07	25
	PF/FW	Seed protection techniques of wheat	November	01	15	03	18	05	02	07	25
Live stock Production	PF/FW	Utility of A.I. for breed improvement of cattle & Buffalo	October	02	15	03	18	05	02	07	25

	PF/FW	Care and management of pregnant animals	November	01	15	03	18	05	02	07	25
	PF/FW	Management and scientific rearing of goat	November	01	15	03	18	05	02	07	25
	PF/FW	Importance and use of probiotics in calves rearing	December	01	15	03	18	05	02	07	25
Home Science	PF/FW	Nutritional kitchen gardening	October	02	00	20	20	00	05	05	25
	PF/FW	Preservation of seasonal fruits and vegetables	December	02	00	20	20	00	05	05	25

(ii) Vocational Training Programmes for Rural Youth

Discipline	Crop/Enterprises	Identified Thrust area	Title of training Programme	Month	Duration (in days)	No. of Participants						Grand Total
						Others			SC/ST			
						M	F	T	M	F	T	
<b>January-March 2023</b>												
Horticulture	Gardening	Planting material production	Gardener training	February	07	07	00	07	03	00	03	10
Live stock Production	goatery	sheep and goat rearing	Goat farming for milk & meat production	January	05	10	03	13	05	02	07	20
Home Science	Fruits and vegetables	Small scale processing	Small scale processing & value addition in fruits and vegetables	January	07	00	07	07	00	03	03	10
<b>April-June 2023</b>												
Crop Production	Cereal, oilseed and pulse crops	Seed Production	Seed Production Technology of Kharif crops	May	05	10	03	13	05	02	07	20
Soil Science	Organic manure	Production of organic inputs	Method of NADEP, Cow pat pit production	June	05	10	03	13	05	02	07	20
Live stock Production	Dairying	Production of quality animal products	Production of indigenous quality milk products	May	03	10	03	13	05	02	07	20
Home Science	Mango	Value addition	Value addition in mango	April	05	00	07	07	00	03	03	10
<b>July- September 2023</b>												
Plant Protection	Mushroom	Mushroom production	Mushroom cultivation	September	05	07	00	07	03	00	03	10
Horticulture	Fruit plants	Planting material production	Propagation techniques of fruit plants	July	05	07	00	07	03	00	03	10
Soil Science	Organic manure	Production of organic inputs	Vermi compost and vermi wash production techniques	September	05	10	03	13	05	02	07	20
Live stock Production	Poultry	Poultry production	Commercial broiler and layer production	September	07	10	03	13	05	02	07	20
<b>October-December 2023</b>												
Crop	Cereal and	Seed	Seed	October	05	10	00	10	00	00	07	20

Production	pulse crops	Production	production technology of cereals, oilseed and pulses of rabi			0	3	3	5	2		
Plant Protection	Honey bee	Bee-keeping	Bee-keeping	October	05	07	00	07	03	00	03	10
Live stock Production	Dairying	Dairying	Dairy: a profitable enterprise for rural youth.	October	05	10	03	13	05	02	07	20
Home Science	Fruits and vegetables	Value addition	Value addition in Fruits and vegetables	December	07	00	07	07	00	03	03	10

(iii) **Training Programmes for Extension Functionaries**

Discipline	Clientele	Title of training Programme	Month	Duration (in days)	No. of Participants						Grand Total
					Others			SC/ST			
					M	F	T	M	F	T	
<b>January-March 2023</b>											
Crop Production	TA/BTM/ATM	Production enhancement of field crops	February	01	10	03	13	05	02	07	20
Plant Protection	TA/BTM/ATM	Insect pest and disease management in Zaid crops	February	01	07	00	07	03	00	03	10
Soil Science	TA/BTM/ATM	Importance of bio fertilizer	March	01	10	03	13	05	02	07	20
Live stock Production	TA/BTM/ATM/Para vets	Use of feed additives as a growth promoter for dairy animals	February	02	10	03	13	05	02	07	20
<b>April-June 2023</b>											
Crop Production	TA/BTM/ATM	Intercropping cultivation	June	01	10	03	13	05	02	07	20
Plant Protection	TA/BTM/ATM	Insect pest and disease management in Kharif crops	June	01	07	00	07	03	00	03	10
Soil Science	TA/BTM/ATM	Production of organic inputs and organic farming	May	02	10	03	13	05	02	07	20
Live stock Production	TA/BTM/ATM/Para vets	Importance of green fodder for dairy animals and their Production technique	May	01	10	03	13	05	02	07	20
<b>July- September 2023</b>											
Soil Science	TA/BTM/ATM	Symptoms of nutrient deficiency in crops and their management	August	01	10	03	13	05	02	07	20

Extension	TA/BTM/ATM	Awareness about PFMBY and other profitable plans	June	01	10	03	13	05	02	07	20
Live stock Production	TA/BTM/ATM/ Para vets	Formulation of different nutritive foods for animals	July	01	10	03	13	05	02	07	20
Home Science	ANM	Preparation of high nutrient diet for children	July	02	00	07	07	00	03	03	10
<b>October-December 2023</b>											
Crop Production	TA/BTM/ATM	Improved cultivation techniques of rabi oilseeds and pulses	October	01	10	03	13	05	02	07	20
Plant Protection	TA/BTM/ATM	Insect pest and disease management in Rabi crops	October	01	07	00	07	03	00	03	10
Horticulture	HI/TA/BTM/ATM	Canopy management in fruit crops	November	01	07	00	07	03	00	03	10
Soil Science	TA/BTM/ATM	Integrated use of organic and inorganic nutrients in crop	October	01	10	03	13	05	02	07	20

- iv) **Sponsored Training Programmes**  
Subject to availability of trainees from sponsoring agencies

## ACTION PLAN

### **KVK-II SITAPUR**

(1<sup>st</sup> January 2023 to 31<sup>st</sup> December 2023)

#### 1. GENERAL INFORMATION ABOUT THE KVK

##### 1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail	Website
Krishi Vigyan Kendra, Sitapur- II, Katia , Manpur, Biswan, Sitapur (U.P.)-261145	Office	FAX	sitapurkvk2@gmail.com	http://sitapur2.kvk4.in
	05863-211035	-		

##### 1.2 .a. Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail	Website
	Office	FAX		
R.R.D.C. Assoc., Distt.-Amethi (U.P)	05368-222400	05368-222400	<a href="mailto:amethipalaceoffice@gmail.com">amethipalaceoffice@gmail.com</a>	<a href="http://sitapur2.kvk4.in">http://sitapur2.kvk4.in</a>

1.2.b. Status of KVK website : Yes

1.2.c. No. of Visitors (Hits) to your KVK website (as on today): Concerned agency is not able to provide information



1.2.d Status of ICT lab at your KVK :Yes

##### 1.3. Name of the Programme Coordinator with phone & mobile no.





Name	Telephone / Contact		
	Office	Mobile	Email
(Incharge & Scientist) Dr Daya Shanker Srivastav	05863-211035	8004931020	<a href="mailto:dayaicar@gmail.com">dayaicar@gmail.com</a>






1.4. Year of sanction: 2011



**1.5. Staff Position (as on 30<sup>th</sup> September, 2022)**

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanen t /Tempora ry	Categor y (SC/ST/ OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1.	Head and Senior Scientist	-	-	-	22,350 - 39,100	9,000	-	-	-	-	-	-	Vacant
2.	S.M.S	Dr. Daya Shankar Srivastava	S.M.S	Plant Protection	15,600 - 39,100	5,400	25090	26/04/2012	Permanent	“	8004931020	<a href="mailto:daya_2436@yahoo.co.in">daya_2436@yahoo.co.in</a>	
3.	S.M.S	Dr. Anand Singh	S.M.S	Animal Husbandry	15,600 - 39,100	5,400	25090	26/04/2012	Permanent	Other	7376970259	<a href="mailto:anandsingh26651@gmail.com">anandsingh26651@gmail.com</a>	
4.	S.M.S	-	S.M.S	Home Science	15,600- 39,100	5,400	-	-	-	-	-	-	Vacant



5.	S.M.S	Mr. S.K.Singh	S.M.S	Agriculture Extension	15,600-39,100	5,400	25090	16/07/2012	Permanent	Other	07376905268	<a href="mailto:singh.k.shailendra@gmail.com">singh.k.shailendra@gmail.com</a>	
6.	S.M.S	Dr. S.K.Singh	S.M.S	Agronomy	15,600-39,100	5,400	25090	21/01/2017	Permanent	Other	09935654603	<a href="mailto:shishir.singh68@gmail.com">shishir.singh68@gmail.com</a>	
7.	S.M.S	Mr. Sachin PratapTomar	S.M.S	Soil Science	15,600-39,100	5,400	21000	27/03/2018	Permanent	Other	08954302173	<a href="mailto:tomarsachin86@gmail.com">tomarsachin86@gmail.com</a>	
8.	Farm Manager	Dr. Yogendra Pratap Singh	Farm Manager	GPB	9300-34800	4,200	16150	02/04/2012	Permanent	Other	09454101455	<a href="mailto:ypbreeder@rediffmail.com">ypbreeder@rediffmail.com</a>	
9.	Program Assistant (Lab)	Vacant	Program Assistant (Lab)	Soil Science	9300-34800	4,200	-	-	-	-	-	-	Vacant

10.	Programme Assistant – Comp.	Mr. Sandeep Kumar Yadad	Programme Assistant-Com.	Computer	9300-34800	4,200	16150	08/05/2012	Permanent	OBC	9838217784	<a href="mailto:san.yadav666@gmail.com">san.yadav666@gmail.com</a>	
11.	Assistant/Accountant	Mr. Shiv Raj Singh	Assistant/Accountant	----	9300-34800	4,200	16150	01/12/2012	Permanent	Other	9450049757	<a href="mailto:shiv_rrpg@yahoo.com">shiv_rrpg@yahoo.com</a>	
12	Stenographer	Mr Pawan Singh	Stenographer	-	5200-20210	2400	9910	27/03/2018	Permanent	Other	9984515775	-----	
13	Driver	Mr. Rajendra Singh	Driver	----	5200-20210	2000	8,620	01/12/2012	Permanent	Other	9919585517	-----	
14	Driver	Mr. Raj Bhadur Singh	Driver	-----	5200-20210	2000	8,620	01/12/2012	Permanent	Other	9532755272	-----	

<b>15</b>	Attendant	Mr. Jitendra Singh	Attendant	-----	5200-20210	1800	8,370	01/12/2012	Permanent	Other	9454687437	-----	
<b>16</b>	Attendant	Mr. Rohit Kumar Verma	Attendant	-----	5200-20210	1800	8,370	01/12/2012	Permanent	OBC	7839080901	-----	

**1.6. Total land with KVK (in ha) :**

S.No.	Item	Area(ha)
1.	Under Buildings	0.25 ha.
2.	Under Demonstration units	1.50 ha.
3.	Under Crops	9.90Ha (Paddy), 0.4 (Sugarcane), 0.03 (Crop cafeteria),0.8 (Fodder), 0.5 (Sun hemp)
4.	Orchard/Agro-forestry	0.35 ha
5.	Fisheries & Makhana	0.2
6.	Others	8.03
<b>Total:</b>		<b>21.81</b>

**1.7. Infrastructural Development:**

**A) Buildings**

S.No	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	-	-	-	15 march 2012	549.5	Complete
2.	Farmers Hostel	ICAR	-	-	-	22April 2012	304.20	Complete

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep (Bolero-LX)	August, 2012	5,50,000	2,65540 (km)	Average
Tractor (Massey Furguson-9500)	May, 2012	6,74,990	54264 (hr)	Good

**C) Equipments& AV aids**

S.No.	Name of equipment	Year of purchase	Cost (Rs)	Present status
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1.	PTO –Pully and belt	2011-12	2580.00	Good
2.	Inverter (Su-kam)	2011-12	5800.00	Good
3.	Inverter Battery	2011-12	11,700.00	Good
4.	Kudal-1	2011-12	160.00	Good
5.	Counter scale+weights(1 kg, 500g, 200g, 100g,50g)	2011-12	905.00	Good
6.	Kitchen Weighing balance	2011-12	795.00	Good
7.	Generator(5KV) Field marshal)-1	2011-12	45,000.00	Good
8.	Secatier-1	2011-12	430.00	Good
9.	Dawali-1	2011-12	370.00	Good
10.	Shoot gun sprayer-1	2011-12	1560.00	Good
11.	Rotavator	2011-12	87,000	Good
12	Tractor	2011-12	6,50,000.00	Good
13	Bolero	2011-12	6,00,000.00	Good
14	Disc Plough	2013-14	25,000,00	Good
15	Furniture and Fixer	2013-14	1,00,000.00	Good
16	Fax Machine	2013-14	27,510.00	Good
17	Xerox	2013-14	1,00,000.00	Good
18	Office Computer with accessories	2013-14	1,00,000.00	Good
19	Sewing Machine-6	2014-15	18,000.00	Good
20	Cultivator	2014-15	17,500.00	Good
21	Leveler	2014-15	9,000.00	Good
22	Drum Seeder	2015-16	3,500.00	Good
23	Chaff Cutter	2015-16	4,000.00	Good
24	Portable carp Hatchery	2016-17	3,00,000.00	Good
25	GPS	2017-18	18,000.00	Good
26	Groundnut Decorticator	2017-18	2,500.00	Good
27	PAU Seed Drill	2017-18	3,500.00	Good
28	Naveen Dibbler	2017-18	1,500.00	Good

29	ZERO TILL Seed drill	2017-18	52,000.00	Good
30	Portable water pump	2017-19	20,000.00	Good
31	Bag sewing machine	2018-19	6500.00	Good

**1.8. A). Details of SAC meetings conducted in the 26<sup>th</sup> November, 2021.**

Name and Designation of Participants	Salient Recommendations	Action taken
1- M, jk?kosæ flag] ç/kku oSKkfud] m ku] Hkk0 d`0 vuq0 i0&vVkj]tksu&3]th0 Vh0 jksM] jkoriqj] dkuiqjA	1- çk—frd ,oa tSfod [ksrh ij —f" k foKkua dsææ esa ijh{k.k@V <sup>a</sup> k;y fd;s tk; rkfd ifj.kke fu"d" kZ dks — "kdks ds e/; çpkfjr ,oa çlkfjr fd;k tk lds	ijh{k.k@V <sup>a</sup> k;y fd;s tk jgs gS A
2- M, Jherh lk/kuk ikaMs; ] ç/kku oSKkfud x`g foKku] Hkk0 d`0 vuq0 i0&vVkj]tksu&3]th0 Vh0 jksM] jkoriqj] dkuiqjA	2- {kkjh; ,oa vEyh; çHkkfor e`nk vks gsrq Qly okj ijh{k.k fd;s tk;	ijh{k.k fd;s tk jgs gS
3- MkW0 oh ds flag] iwoZ funs'kd Álkj] pa vk — Á© fo fo dkuiqjA	3- lkjkyh çca/ku ij vkadM+s miyC/k djkus gsrq —"kdks ds e/; çn'kZuksa dh fjiksVZ ,oa laLrqfr çLrqr fd;s tk;	
4- MkW0 Ita; vj`jk] Á/kku oSKkfud ]e`nk foKku] dsUnzh; e`nk yo.kr k vuqla/kku laLFkku y[kuAA	4- vfxze iafä çn'kZu ds ykHkffkZ;ksa dh la[;k fo'ks" k dk;ZØe esa c<+k;s tk;	vfxze iafä çn'kZu ds ykHkffkZ;ksa dh la[;k c<+k;k x;k
5- MkW0 ,s ds JhokLro ofj0oSKkfud ,oa v/;{k] —f" k foKku dsUnz&çrkix<+	5- fo'ks" k dk;Z dh lHkh xfrfof/k;ksa dks ,d lkFk ladfyr dj çLrqr fd;k tk;	
6- mi funs"kd] d`f" k] lhrkiqjA	6- fjihV vkuQkeZV <sup>a</sup> k;y ds fjiksVZ ladfyr dj çLrqr fd;s tk,	vknku forj.k fdlku ds ç{ks= ij fd;s x;s
7- çfrfuf/k]ftyk d`f" k vf/kdkjh] lhrkiqjA	7- V <sup>a</sup> k;y vknku forj.k fdlku ds ç{ks= ijfd;s tk;	
8- çfrfuf/k]eq[; i'k qfpdRlk vf/kdkjh] lhrkiqjA	8- vkuQkeZV <sup>a</sup> k;y esa leL;k fu:i.k dks /;ku esa j[k dj ijh{k.k ;kstuk rS;kj dh tk;	xUus dh ubZ cht çtkfr;ksa dfVax
9- ftyk m ku vf/kdkjh] lhrkiqjA	9- xUus dh lhvks „...Š çtkfr esa yky lM+ujksx ds vR;/f/kdçdksi c<+us ls fdlkuks dks xUus dh ubZ cht çtkfr;ksa dh jksi.k gsrq dfVax miyC/k djkus gsrq ç;kl fd;s tk;	
10- çfrfuf/k]ftyk xUuk vf/kdkjh]lhrkiqjA	10- e'k:e ,oa 'kgn çladj.k dh y?kq bdkbZ;ksa dh LFkkiuk gsrq ç;kl fd;s tk; rkfd fdlkuks dks çksRlkgu ,oa vf/kd ykHk fey lds	xUus dh ubZ cht çtkfr;ksa dfVax
11- ftyk vxz.kh cSad izcU/kd] lhrkiqjA		
12- izcU/kd] bQd" ] lhrkiqjA		
13- çfrfuf/k]xzkeh.k Lojstxkj çf" k{k.k laLFkku] lhrkiqjA		
14- lg0 funs"kd] eRL;] lhrkiqjA		
15- çfrfuf/k]ftykxzke@m @x vf/kdkjh] lhrkiqjA		
16- çfrfuf/k] nwjn" kZu @vkd"kok.kh]y[kuAA		
17- ftyk fodkl izcaU/kd] jk`V <sup>a</sup> h; d`f" k ,oa xzkeh.k fodkl cSad ¼ukckMZ½] lhrkiqjA		
18- ikni j{kkvf/kdkjh] lhrkiqjA		
19- Jh gfjue flag] bykgkckn cSad] ftyk&lhrkiqjA		
20- Jh fgeka'kq flag] ¼izxfr`khy d`"kd½ xzke <ksybZ dyka] fodkl [kaM gjxkao ftyk&lhrkiqjA		
21- Jh lrsææ dqekj 'kqDy ¼izxfr`khy d`"kd½ xzke vfu;kdyka] fodkl [kaM] ygijqj ftyk&lhrkiqjA		
22- Jherh çfrHkk feJk] ¼ izxfr`khy efgyk d`"kd½ xzke ljs;k fetkZiqj] fodkl [kaM fcloka] ftyk&lhrkiqjA		

23- Jherh lquhrk nsoh] ½izxfr'khy efgyk d`"kd½ xzke xqjsjk] fodkl [kaM] fcloka a] ftyk&lhrkiqjA		miyC/k dj;k k x;k
24- leLr LVkQ] —f" k foKku dsaa& „] dfV;k lhrkiqj] mÜkj çns'k		

## 2. DETAILS OF DISTRICT

### 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S.No.	Farming system/ Enterprise
1.	Crop production
2.	Crop production+ Sugarcane
3.	Crop production+ Horticulture/Vegetable (Mentha, Tulsa)
4.	Crop production+ Animal Husbandry+ Fisheries

### 2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No.	Agro-ecological situation	Characteristics
1.	<b>Zone (5):</b> Central plane zone	The Sitapur district is situated in central plane at 27°.54' - 27°.60' N and 80°.18- 81°.24' E at 100-150 MSL. The topography of the district is mostly planed but large area comes under low land that is popularly known as <i>Jheels</i> . The ICAR allotted north-east side of the district which is covered by more than seven rivers comes from the Himaliyan range and every year there is occurrence of flood make a typical area known as <i>Ganjar</i> . Alluvial, Calcareous, Silty loam, Salt affected soils are found.
2.	<b>AES I</b> (Blocks- Maholi, Aeliya)	Sandy loam & loam soil, irrigated through bore well. Major crops Sugarcane & other agricultural and horticultural crops. Dairy is the major subsidiary occupation
3.	<b>AES II</b> (Blocks- Behta, Sakaran, Laharpur, Hargaon, Biswan, Parsendi, Reosa)	Alkaline soil & silty clay soil is existing, this AES is mainly extremely water logged. Main crops are paddy, sugarcane, wheat, turmeric and menthe

### 2.3 Soil type

S. No.	Soil type	Characteristics	Area in ha
1.	Loamy Soil, Sandy loam, Loam	Upland soil, Poor in Soil fertility, Deep water table undulating and eroded soil	159623
2.	Silty loam, Silty clay	water logged low land soil, Poor in soil fertility, shallow	303599

	loam	water table, canal are the major irrigation source	
3.	Clay loam, Silty clay	Mostly Plain Soil, medium rich in soil fertility, poor drainage	31942

#### 2.4. Area, Production and Productivity of major crops cultivated in the district (2020-21)

S. No	Crop	Area (ha)	Production (Metric tonnes)	Productivity (q /ha)
<b>(a) Rabi</b>				
1.	Wheat	212.016	674.635	31.82
2.	Sugarcane	112.550	6111.465	543.00
3.	Barley	0.709	1.431	20.18
4.	Toria	16.880	13.622	8.07
5.	Lentil	19.285	15.004	7.78
6.	Potato	3.688	89.961	24.39
7.	Maize	0.004	0.013	32.50
8.	Chick pea	0.248	0.294	11.85
9.	Pea	2.161	1.699	7.86
10.	Rapeseed-mustard	26.840	23.776	8.86
<b>(b) Kharif</b>				
1.	Paddy	169.741	430.558	25.11
2.	Sesame	8.497	2.141	2.52
3.	Pigeon pea	4.716	4.230	8.97
4.	Ground nut	2.164	1.203	5.56
5.	Pearl millet	1.874	1.519	8.11
6.	Urd bean	12.310	6.426	5.22
7.	Moong bean	0.097	0.031	3.20
8.	Maize	11.176	10.762	9.63
9.	Sorghum	4.212	3.859	9.16
10.	Other grain	0.028	0.021	7.50
<b>(c) Zaid</b>				
1.	Maize	3-4	468	14.46
2.	Moong bean	3	2	7.19
3.	Urd bean	1966	1014	5.16

Source: District agriculture department.

#### 2.5. Weather data (2022)

Month	Rainfall (mm)	Temperature <sup>0</sup> C		Relative Humidity (%)
		Maximum	Minimum	
April,2022	6.60	33.66	26.33	63.15
May,2022	30.04	34.90	31.35	57.54
June,2022	84.20	37.00	29.86	57.51
July,2022	189.30	34.70	28.09	85.89
August,2022	78.20	29.90	27.80	93.15
September,2022	175.50	32.01	25.43	85.33
Total	563.84	-	-	-

#### 2.6 Production and productivity of livestock, Poultry, Fisheries etc. in the district (2019)

Category	Population	Production	Productivity
Cattle			



<i>Crossbred</i>	20 197	-	-
<i>Indigenous</i>	5 87 364	-	-
<b>Buffalo</b>	5 09 104	-	-
<b>Sheep</b>			
<i>Crossbred</i>	0	-	-
<i>Indigenous</i>	5 364	-	-
<b>Goats</b>	5 07 151	-	-
<b>Pigs</b>		-	-
<i>Crossbred</i>	1 288	-	-
<i>Indigenous</i>	44 860	-	-
<b>Rabbits</b>		-	-
<b>Poultry</b>			
Hens	1 57 319	-	-
<i>Others</i>	1 43 296	-	-
Turkey and others	-	-	-
Horse	177	-	-
<b>Fish</b>			
<i>Inland</i>	18.81 ha	100.00	23.12

\*Statistical report

## 2.7 Details of Operational area / Villages

Sl. No	Taluk a	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1		Biswan	Raguvirpur, Shuklapur, Bhikhpur, Bakharia, Sarvahanpur, Tyola, BanniGhurain, Oripur, Padaria, Dafara, Ghuripur, Hariharpur, Manpur, Alampur, Hasnapur, Dudiyapur, Marsanda, Katia, Tiwaripur, Haibatpur, NewriyaBagk, Vahidapur, Samsapur, HathiyaGazipur, Bhinaini, Gulzarpurwa, Dasapur, Jodaipur, Kotra, Gurera, Nakara, Naseerpur, Bairiha, Belwan, Akhtarpur, MadarganjManjhiya, SariyaMafi, Khambhapur, Tedua, Ramaipur, Kotara, Badaila, Bajhehra	Paddy, Sesame, Urd bean, Moong bean, Pigeon pea, Lentil, Wheat, Mustard Pea, Pipermint, Maize, Sugarcane, Vegetables, Dairy, Groundnut	Use of old seed variety, imbalance fertilization, infestation of termites, infestation of weed,	Use of quality seed variety with balance dose of fertilizer, Control of weeds
2		Reusa	Kastupurva, Maheshpur, Hariipur, Eatgaon, Bhatpurva, Bajhan, Nandpur, Meudi, Mohala, Sikauha Basantapur	Groundnut, Maize, Paddy, Wheat, Urd bean, Sugarcane, Mustard, Pipermint	-do-	-do-

3		Aeliya	Harinathpur, Baseti, Ataria, Purvabudhar Singh, KatiliBangala, Khagesia Mau, Bandiya, Chandanpara, Bhawanipur, Sherukaha, Keshawpur, Belgaon,	Maize, Sugarcane, Vegetables, Paddy, Urd bean, Moong bean, Wheat, Mustard Pea., Piper mint, Groundnut	-do-	-do-
4		Laharpur	Nayayapura, Dakera, Dostpur, Takeli, Karseura, Nabinagar, Kultazpur, Baherwan, Behda, Bahadurpur, Taranpur, Sonaripur	Groundnut, Maize, Sugarcane Paddy, Urd bean, Moong bean, Wheat, Mustard Pea., Piper mint, , Vegetables, Dairy	-do-	-do-
5		Persendi	Sarainya, Unchakhera, Angrasi, SherpurSarawan, Hajurpur, Hariharpur, Baniyarpur, Gulripurwa, Bhawana, Dena, Majhlipur, Chathpurwa, Gopalpur	Banana, Paddy, Urd bean, Moong bean, Wheat, Mustard Pea, Piper mint, Sugarcane, Vegetables, Poultry farming, Groundnut	-do-	-do-
6		Maholi	Allipur, Sarbatpur, Mallpur, chaube, Niyazpur, Gharkatara, Maszid bazaar, Thawai, Mahewa, Piprawan, Chanupur, Chiragali, Hathiya, Bhatpurwa	Tomato, Paddy, Urd bean, Moong bean, Wheat, Mustard Pea., Piper mint, Maize, Sugarcane, Groundnut	-do-	-do-
7		Sakaran	Bariyari, Bhithamani, Saidapur, Belwabesaiha, Barbata, Salauli, Jalim Nagar, Umrakalan, Amboi, Kurminpurwa, Salauli, Chillhia	Sugarcane, Maize, paddy, Wheat, Vegetables, Dairy	-do-	-do-
8		Behta	Bhavanipur, Sonsari, Jalimpur, Marrubehad, Admalpur, Hariharpur, Acharyazanpurwa, Supauli, Kutisupauli, Rihar, Ramuapur, Bijesepur, Chandi, Kodari, Sadhwapur, Kaimakalan, Devpalpur	Paddy, Wheat, Lentil, Vegetables,	-do-	-do-
9		Hargaon	Parsehara Sarifpur, Dholikala, Pachehara, Bhedwa, Badelia, Rikhipurwa, , Navner, Pachehara, Salempur	Sugarcane, Groundnut, Banana, Pulses, Paddy, Wheat, Vegetables, Dairy	-do-	-do-

## 2.8 Priority thrust areas

- Promotion and awareness of farmers regarding safer use of agrochemicals and judicious use of plant protection chemicals
- Production and productivity improvement in major field crops through INM, HYV and IPNS.

- Overall increase in livestock production by breed improvement, vaccination and nutritional management.
- Production and Productivity improvement of orchard and MAP, through promotion of high yielding varieties, canopy management, nutrition management and IPM.
- Composite Fish farming, integrated fish culture and watershed management.
- Promotion of fodder production technologies.
- Management of ICT tools in drudgery reduction and nutritional care of farmwomen and children.

Crop/Enterprise	Thrust area
Paddy	• Varietal Evaluation, Integrated Nutrient Management, Integrated Pest Management, Weed Management and promotion of Resource Conservation Technology.
Wheat	• Varietal Evaluation, Integrated Nutrient Management, Integrated Pest Management, Weed Management and promotion of Resource Conservation Technology.
Sugarcane	• Integrated Nutrient Management, Integrated Pest Management, Weed Management promotion of intercropping and promotion of Resource Conservation Technology.
Mustard	• Varietal Evaluation, Integrated Nutrient Management, Integrated Pest Management and promotion of Resource Conservation Technology.
Pigeonpea	• Integrated Nutrient Management, Varietal Evaluation, Integrated Pest Management, Weed Management and promotion of Resource Conservation Technology.
Urd bean, Moong bean, Lentil	• Varietal Evaluation, Integrated Nutrient Management, Integrated Pest Management, Weed Management and promotion of Resource Conservation Technology.
Pea	• Varietal Evaluation, Integrated Nutrient Management, Integrated Pest Management Weed Management, and promotion of Resource Conservation Technology.
Tomato	• Promotion of hybrid and indeterminate type of varieties, Integrated Nutrient Management, Integrated Pest Management, Integrated Disease Management and promotion of Resource Conservation Technology (Raised bed method, Sprinkler irrigation, use of UV protected black polythene)
livestock production	• Breed improvement, Disease Management, endo-ecto parasite management, promotion of green fodder production specially perennial fodders and vaccination.
Banana	• Promotion of tissue culture, ratoon management, suckers management, promotion of liquid and bio-fertilizer, drip-irrigation and mulching, Integrated Pest Management, Resource Conservation Technology
Mango	• Alternate bearing management, Promotion of new varieties, hybrid & colored varieties, pest management, rejuvenation of old orchard and canopy management, promotion of intercropping in orchard, post-harvest management.
Green manuring	• promotion of green manuring as traditional method as well as browning manuring

### 3. TECHNICAL PROGRAMME

#### 2. A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)/no. of animals/no. of unit	Number of Farmers
10	50	70.925 ha/40 Goats/80 Buffaloes/ 20 CB Cows/ 200 chicks/ 20 Units	386
Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
135	2712	1032	10365
<b>Seed Production (Qtl.)</b>	<b>Planting material</b>	<b>Livestock / Fish seed prod.</b>	<b>Soil Samples</b>

	(Nos.)	(Nos)	
(5)	(6)	(7)	(8)
126.025	39800/500qtls sugarcane seed	25 Goat, 50Duck, 200Chicks/5 lac fry	1500

### 3. B. Abstract of interventions to be undertaken

S.N 0.	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	AREA (ACRE)	Extension activity	Supply of seeds, planting materials etc.
1.	Varietal Evaluation	Wheat	Poor yield due to non-availability of quality seeds for timely sown condition	Varietal performance of PBW-550 (High yielding, resistant to foliar diseases, Gluten index 80)	-	Improved production technologies	1	Field day	Seed, seed treatment
2.	DSR	Paddy	Delayed Transplanting, Low production and high transplanting cost in Paddy cultivation	Varietal performance of medium duration Paddy var. -NDR-2065 and DSR performance	-	Improve production technology and soil health management practice	1	Field day	Seed, Agro-chemicals
3.	Vegetable cropping system	Cabbage	Major yield loss due to Tobacco caterpillar infestation	Bio-efficacy of <i>Dashparni</i> for the management of Tobacco caterpillar in Cabbage	-	Bio-efficacy of <i>Dashparni</i> for the management of Tobacco caterpillar in Cabbage	1	Field Day	<i>Trichoderma harzianum</i> and <i>Beauveria bassiana</i>
4.	IFS- IPM	Groundnut	Poor Pest Defender Ratio	Ecological Engineering in groundnut for sucking pest management	-	Ecological Engineering in groundnut for sucking pest management	1	Field Day	<i>Maize, Sunflower, Neem oil</i>

5.	INM	Lentil	Poor soil fertility	Integrated Nutrient Management in Lentil for Improved production and Soil health management	Soil health management	1	Field day	Bio-fertilizers	
6.	INM	Paddy	Poor soil fertility	Nutrient Management in paddy crop	Soil health management	2	Field day	Seed sunhemp & Halo CRD	
7.	Crop production	Quinoa	Less income and nutrition from cultivation of regular cereal crops like wheat, paddy, maize and millets etc.	Assessment of Nutrient rich Super food-Quinoa cultivation for doubling of farmers income and promotion of Nutrition Sensitive agriculture	-	income and promotion of Nutrition Sensitive agriculture	1	Field day	Quinoa seed
8.	Crop production	Wheat	Low income and nutrition from existing varieties of wheat	Assessment of Anthocyanin (ANTIOXIDENT) rich bio-fortified coloured (blue, black and purple) wheat varieties for doubling of farmers income	-	income and promotion of Nutrition Sensitive agriculture	1	Field day	Wheat seed
9.	Animal Nutrition	Fisheries	Low weight gain and low income	To assess the enhancement of fish weight gain through use of Probiotics	-	Doubling of farm income	10	Field day	Probiotics
10.	Animal Nutrition	Cattle	Low Milk Production Due Mineral Deficiency in High Yielding Cattle	Improving Milk Production in Crossbred Cattle	-	Cross Breed Cattle	10	Field day	supplementary feed, health care

### 3.1 Technologies to be assessed and refined

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	other	TOTAL
Varietal Evaluation	2	-	-	-	-	-	-	-	-	2
Seed / Plant production	2	-	-	-	-	-	-	-	-	2
Integrated Nutrient Management	1	-	1	1	-	-	-	-	-	3
Integrated Pest Management	-	1	-	-	-	-	-	-	-	1
Integrated Disease Management	-	-	-	-	1	-	-	-	-	1
<b>TOTAL</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>9</b>

#### A.2. Abstract on the number of technologies to be refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tube crop	TOTAL
<b>TOTAL</b>										

#### A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Vermiculture	Fisheries	TOTAL
Nutrition Management	1	-	-	-	-	-	1	2
<b>TOTAL</b>	<b>1</b>						<b>1</b>	<b>2</b>

#### A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
<b>TOTAL</b>	<b>-</b>	<b>-</b>						<b>-</b>

### B. Details of On Farm Trial

OFT-1	
Crop/Enterprise	Wheat (PBW-187)
Title of On-farm trial	Assessment of wheat variety PBW-187 under cropping situation of district Sitapur
Problem diagnose	Poor yield due to non-availability of suitable & quality seeds for timely sown condition
Farming situation	Irrigated
Production system and thematic area	Sugarcane-Wheat,
Farmers practices	Farmer Practices var. PBW-550
Details of technologies selected for assessment/refinement	Wheat var. PBW 187 (High yielding, resistant to foliar diseases, Gluten index 80), Line sowing, Seed & Soil treatment
Source of Technology	ICAR-Indian Institute of wheat and Barley Research, Karnal (2019)
No. of farmers	05
Critical input	Seed, Trichoderma sp.

Performance indicator	Observations to be recorded	Plant pop. / m <sup>-2</sup> , No. of tillers / m <sup>-2</sup> , Plant height (cm) No. of ear / m <sup>-2</sup> and Yield
	Economic	Net return, C:B ratio
	Social	Farmer's reaction and feed back

OFT-2 (Repeat)		
Crop/Enterprise	Paddy-NDR-2065/DSR	
Title of On-farm trial	Medium duration Paddy var. -NDR-2065 sowing through DSR (Paddy Drum Seeder) method	
Problem diagnose	Delayed Transplanting, Low production and high transplanting cost in Paddy cultivation	
Farming situation	Irrigated	
Production system and thematic area	Rice-sugarcane , Soil health management	
Farmers practices	Transplanting	
Details of technologies selected for assessment/refinement	Paddy var. NDR-2065 @25 Kg/Ha, Seed & Soil treatment Seed rate @ 40 kg /ha	
Source of Technology	TNAU, Tamil Nadu	
No. of farmers	05	
Critical input	Seed , Trichoderma sp.	
Performance indicator	Technical	Days of 50% flowering, No. of Tillers/ Plant, Plant Height, Length of Spikelets, Test Weight and Yield q/ha
	Economic	a. Net Return b. Cost Benefit Ratio
	Social	Farmers acceptance and Feedback

OFT-3		
Crop/Enterpris	Cabbage / Crop protection	
Title of On-farm trial	Bio-efficacy of <i>Dashparni</i> for the management of Tobacco caterpillar in Cabbage	
Problem diagnose	Major yield loss due to Tobacco caterpillar infestation	
Farming situation	Irrigated	
Production system and thematic area	Vegetable cropping system	
Farmers practices	To-Chlorpyriphos @ 4 lt / ha	
Details of technologies selected for assessment/refinement	T1- Extract of ten leaves (2kg) viz. Neem, Kaner, custard apple, Pongamia, Calotropis, Tobacco, Lantana, Papaya and Nirguna + Cow urine 3 lit + Cow dung 4 kg + 200 lit water ( 2.5 lit / 200 lit water at 35, 55 & 75 DAT)	
Source of Technology & Year	Natural Farming 2018	
No. of farmers	05	
Critical input	<i>Trichodermaharzianum</i> and <i>Beauveriabassiana</i>	
Performance indicator	Observation to be recorded	Pest incidence %, Cob damage percentage, Yield in q/ha
	Economic	Net return, C:B ratio
	Social	Farmer's reaction and feed back



OFT- 4		
Crop/Enterprise	Groundnut/ Crop Protection	
Title of On-farm trial	Ecological Engineering in groundnut for sucking pest management	
Problem diagnose	Poor Pest Defender Ratio	
Farming situation	Irrigated	
Production system and thematic area	IFS- IPM	
Farmers practices	T0-Farmer's practice : Imidacloprid 17.8% SL @ 0.5Lit/ Ha	
Details of technologies selected for assessment/refinement	T1- Bordered crop with 4 Dense Row of Maize + single row of Sunflower + two spray of Neem oil 3000ppm @ 2ml/ lit water + detergent	
Source of Technology	NIPHM, Hyderabad 2016	
No. of farmers	05	
Critical input	<i>Maize, Sunflower, Neem oil</i>	
Performance indicator	Observations to be recorded	Pest/ Defender Ratio, Plant growth parameters, Sucking Pest incidence %, Yield in q/ha
	Economic	Net return, C:B ratio
	Social	Farmer's reaction and feed back

OFT-5 (Repeat)		
Crop/Enterprise	Lentil- Shekhar-2 (KLB 303)	
Title of On-farm trial	Integrated Nutrient Management in Lentil for Improved production and Soil health management	
Problem diagnose	Poor soil fertility	
Farming situation	Irrigated	
Production system and thematic area	Rice-Wheat , Soil health management	
Farmers practices	Lentil- Shekhar-2 (KLB 303) + FYM 30-40 q/ha	
Details of technologies selected for assessment/refinement	Lentil- Shekhar-2 (KLB 303), seed treatment with Rhizobium culture @ 20 gm/kg seed + 25t FYM Treated with Halo PSB 125 ml and 75% NPK STBR	
Source of Technology	ICAR- CSSRI (RRS), Lucknow 2018	
No. of farmers	05	
Critical input	Halo PSB and Rhizobium culture	
Performance indicator	Technical	a. Soil microbial analysis. Growth Parameters c. %Yield d. Yield q/ha
	Economic	a. Net Return b. Cost Benefit Ratio
	Social	Farmers acceptance and Feedback

OFT-6 (Repeat)		
Crop/Enterprise	Crop management – Paddy	
Title of On-farm trial	Nutrient Management in paddy crop	
Problem diagnose	Low production and poor nutritional quality	
Farming situation	Irrigated	
Production system and thematic area	Rice-Wheat, Soil health management	
Farmers practices	Farmer's practice ( <i>NDR-2064</i> )	
Details of technologies selected for assessment/refinement	Paddy var. NDR-2064, Green Manuring of Sunhemp @50kg/ Ha with Halo CRD@125ml/Ha + NPK (75 % STBR)	
Source of Technology	ICAR-CSSRI ( RRS) Lucknow 2019	
No. of farmers	05	
Critical input	Sunhemp Seed and Halo CRD	
Performance indicator	Observations to be recorded	Plant/ Hill, Spacing, No. of Tillers/ Plant, Plant Height, Length of Spikelet's, Test Weight and Yield q/ha
	Economic	Net return, C:B ratio
	Social	Farmer's reaction and feed back

OFT-7 (Repeat)		
Crop/Enterprise	Quinoa - Cereal ( NARI)	
Title of On-farm trial	Assessment of Nutrient rich Superfood- Quinoa cultivation for doubling of farmers income and promotion of Nutrition Sensitive agriculture	
Problem diagnose	Less income and nutrition from cultivation of regular cereal crops like wheat, paddy, maize and millets etc.	
Farming situation	Rain fed/ Irrigated	
Production system and thematic area	Crop production	
Farmers practices	Cultivation of traditional cereals only	
Details of technologies selected for assessment/refinement	Nutrient Rich Super food-Quinoa cultivation, Line sowing, Seed treatment	
Source of Technology	NBPGR, New Delhi, 2016	
No. of farmers	05	
Critical input	Quinoa seed	
Performance indicator	Technical	Yield/ Ha
	Economic	C:B ratio
	Social	Farmers reaction, feed back

OFT-8 (Repeat)	
Crop/Enterprise	Wheat - Cereal (NARI)

Title of On-farm trial	Assessment of Anthocyanin (ANTIOXIDENT) rich bio-fortified coloured (blue, black and purple) wheat varieties for doubling of farmers income and promotion of Nutrition Sensitive agriculture	
Problem diagnose	Low income and nutrition from existing varieties of wheat	
Farming situation	Irrigated	
Production system and thematic area	Crop production	
Farmers practices	Cultivation of regular type of wheat varieties	
Details of technologies selected for assessment/refinement	Anthocyanin (antioxidant) rich bio-fortified coloured wheat (var. Black Wheat: NABI-MG), Line sowing, seed treatment	
Source of Technology	National Agri-Food Biotechnology Institute (NABI), Mohali	
No. of farmers	05	
Critical input	Seed	
Performance indicator	Technical	Yield/ Ha
	Economic	C:B ratio
	Social	Farmers reaction, feed back

OFT-9		
Crop/Enterprise	Fisheries	
Title of On-farm trial	To assess the enhancement of fish weight gain by Homestead probiotic product feeding	
Problem diagnose	Unavailability of probiotics and high cost	
Farming situation	----	
Production system and thematic area	Animal Nutrition	
Farmers practices	No use of probiotics	
Details of technologies selected for assessment/refinement	T1: Farmers Practices – Fishes with feed and fertolizer. T2: Fishes with feed,homestead probiotic (Sugar 3kg+Banana 15pcs+ Pinnapple 1pc+ curd 500 ml+ Yeast 100 g, Egg yolk 10 nos, Vitamins- 100 g) and fertilizer.	
Source of Technology	CIFA- Bhubaneswar	
No. of farmers	05	
Critical input	Probiotics	
Performance indicator	Technical	a. Body weight gain, Mortality rate, % Disease incidence
	Economic	B:C ratio
	Social	Farmers acceptance

OFT-10		
Crop/Enterprise	Cattle	
Title of On-farm trial	Effect of supplementing zinc oxide nano particle on overall health and milk production of crossbred dairy cows	
Problem diagnose	Low Milk Production Due Mineral ( Zn) Deficiency in High Yielding Cattle	
Farming situation	----	
Production system and thematic area	Improving Milk production and Health of Cattle	
Farmers practices	No uses of Nano – Zinc Oxide in High Yielding Dairy animals	
Details of technologies selected for assessment/refinement	T1: Farmers Practices – use of (Non –Nano Zinc ) Mineral Mixture 1.5% in cattle feed T2; Use of Nano –Zinc Oxide	
Source of Technology	IVRI, Izatnagar	
No. of farmers	05	
Critical input	Nano –Zinc and Non – Nano Zinc Oxide	
Performance indicator	Technical	a. Body weight gain b. Milk yield c. Reproduction: Heat cycle, conception rate and Mastitis evidance
	Economic	a. Cost of additional return b. cost of additional profit
	Social	Farmers acceptance

### 3.2 Frontline Demonstrations

A. Details of FLDs to be organized (Information is to be furnished in the following **three tables** for each category i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.**)

#### 1. FLD on Oilseeds and Pulses

S. No.	Crop / Enterprises	Thematic area	Technology for demonstration	Critical Inputs	Season and Year	Area (ha) / No.	No. of farmers	Parameters identified
1.	Sunflower	ICM	Var. Modern @ 12Kg/ha, line to line distance 45 cm, , seed & Soil Treatment, @20 kg/ha Sulpher	Seed, Trichoderma sp.	Zaid, 23	1.00	10	Net return, Soil analysis , CB Ratio
2.	Pigeon pea	Soil Health Management	Green Mannuring with Sesbania + 75% NPK on STBR, ,Line sowing 20x60 cm Seed & Soil Treatment	Seed, Trichoderma sp.	Kharif 2023	4.00	10	Pre & Post Soil Analysis, No. of grain /spiklets, yield , Net return, CB Ratio
3.	White grub management in Groundnut	IPM	Seed treatment with Trichoderma@10g/ kg seed and soil treatment with <i>Beauveriabassiana</i> 4 Kg/ Ha with 250q FYM	Trichoderma 10g kg seed + Beauveriabassiana @4kg/ ha	Zaid, 2023	5.00	10	%Disease incidence, % Yield loss, C:B Ratio
4.	Mustard	ICM	Var. PM-32 @ 3 Kg/ha , Seed Treatment , line sowing distance 25x45 cm, One thinning at 25 DAS, Sulpher @20 kg/ha,	Seed, Trichoderma sp.	Rabi, 23	1.00	10	Net return, Soil analysis , CB Ratio
5.	Mustard	INM	Improved var. + RDF N:P:K:S – 40:60:80:20	Bio NPK + Sulphur	Rabi 2023	4.00	10	Pre & Post Soil Analysis, No. of grain /spiklets, yield , Net return, CB Ratio
6.	Chickpea	INM	Seed through Rhizobium 10gm/kg seed and soil treatment with Trichoderma @ 5kg/ ha	Rhizobium and Trichoderma sp.	Rabi , 23	1.00	10	Yield , Soil analysis, Net return, CB Ratio
7.	Filed Pea	INM	Seed through Rhizobium 10gm/kg seed and soil treatment with Trichoderma @ 5kg/ ha	Bio-agents	Rabi , 2023	4.00	10	Yield , Soil analysis, Net return, CB Ratio

## 2: FLD other than Oilseeds and Pulses

S. No.	Crop	Thematic area	Technology for demonstration	Critical Input	Season and Year	Area (ha)	No. of Farmers	Parameters identified
1.	Paddy	ICM	Var. BRR-2110 @ 25-30 Kg/ha, Seed Treatment line sowing, Weed management	Seed, weediside, Trichoderma sp	Kharif,23	1.00	10	Yield , Net return, CB Ratio
2.	Paddy	ICM (Aromatic Rice)	Var. Pusa 1692 @ 30 Kg/ha, Seed and soil treatment, Boi fertilizer	Seed, Trichoderma sp, Azotobactar	Kharif,23	1.00	15	Yield , Net return, CB Ratio
3.	Paddy	INM	FYM Treated with Halo Azo, Halo PSB, and Halo Zn (125 ml each/ 5 q FYM / ha. +75% NPK STBR	Bioformulation (Halo AZO Halo PSB and Hello Zn)	Kharif 2023	6.00	15	Pre & Post Soil Analysis, No. of grain /spiklets, yield , Net return, CB Ratio
4.	Maize	Fodder Production	Available Variety	Seed, Trichoderma sp	Kharif, 23	1.00	5	Yield, CB Ratio
5.	Turmeric	ICM	Turmeric Var. Rajendra Sonia, 20 q/ha Intercropping in mango orchards	Rhizome of Turmeric var. Rajendra Sonia, Trichoderma sp	Kharif, 23	1.00	5	Net return, Yield, CB Ratio
6.	Wonder Plant-Moringa (NARI)	Nutritional security	Cultivation of Moringa plants @ 1125 /ha, 6X6 m spacing	Plants (PKM-1)	Kharif, 23	1.00	10	% Pest Incidence, Yield ,CB Ratio
7.	Banana	IPM	Soil treatment with Trichoderma and Paecilomyces	Soil treatment with Trichoderma @ 5kg/ Ha + Paecilomyces 5kg/ Ha	Kharif, 23	3.00	15	Nematode incidence %, Growth parameters, Yield ,CB Ratio
8.	Mango	Crop Protection	Management of shoot Gall psylla pest	Two Foilar application of Quinalphos 1lit/ Ha after 30 Day of harvesting at 15 days interval	Kharif- 23	5.00	10	Pest Incidence %, Yield, C: B ratio
9.	Wheat	ICM	Var. K-1006 @100 Kg/ Ha, Line sowing, seed treatment,	Seed, Trichoderma sp	Rabi, 23	6.00	15	No. of grain /spiklets, Test weight (1000 seed) , yield , Net return, CB Ratio

10.	Wheat	INM	Soil application with FYM 5th treated with Halo Azo, Halo PSB and 125 ml/ha + 75 % NPK at STBR	Bioformulations	Rabi, 2023	5.0	10	Pre & Post Soil Analysis, No. of grain /Spikiest, yield , Net return, CB Ratio
11.	Fenugreek	ICM	RMT-143@21kg/ha, Line sowing, seed treatment	Seed, Trichoderma sp	Rabi, 23	0.40	6	Yield , net return, B:C ratio
12.	Potato	IPM	Soil treatment	Soil treatment with Beauveriabassiana @ 5kg/ Ha	Rabi- 2023	3.00	10	Pest incidence %, growth parameters, Net return, Yield, B:C ratio
13.	Coriander	ICM	RCR-41@10 Kg/ha, Line sowing, seed treatment	Seed, Trichoderma sp	Rabi, 23	0.40	5	Yield , net return, B:C ratio
14.	Vegetables (Chilli& Tomato)	Nutritional Security	Nutritional Garden	Seeds/ saplings of vegetables and fruit plants	Rabi, 23	0.125 (250 sqmt/ farmer	5	Yield, Increase in family intake
15.	Vegetable-Tomato	Integrated Wilt disease management	Cocopit treatment with <i>Trichoderma viride</i> @ 5ml/ water and root dipping <i>Pseudomonas fluorescense</i> 5 ml/ lit water and soil treatment with <i>Trichoderma harzianum</i> @ 5kg/ Ha	<i>Trichoderma viride</i> , <i>Pseudomonas fluorescense</i> , <i>Trichoderma harzianum</i>	Rabi, 2023	5.00	10	% Disease Incidence, Yield ,CB Ratio
16.	Bitter Guard	Nematode management	Paecilomyces+ Trichoderma	Soil treatment at Paecilomyces+ Trichoderma@ 4Kg/ ha+FYM	Rabi, 23	3.00	10	% Yield loss, C:B Ratio
17.	Berseem	Fodder Production	Variety (BL42) + Rhizobium culture 20 gm/kg seed	Seed, Trichoderma sp	Rabi- 23	1.00	10	Yield, CB Ratio

## B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	12		250
2	Farmers Training	19		425
3	Media coverage	15		Mass
4	Training for extension functionaries	05		65

## C. Details of FLD on Enterprises

### (i) Farm Implements

Sl. No.	Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / Indicators	* Data on parameter in relation to technology demonstrated	
								Demon	Local check
1	Decorticator	Groundnut	Zaid, 23	20	5.0	-	Decorticate of seed/ hr. Minimize of the manpower. Quality of the seed.		
2	Vegetable sapling planter	Vegetable	Rabi, 23	10	1.0	-	Area covered / Hour, Survival % of plants		

\* Field efficiency, labor saving etc

### (ii) Livestock Enterprises

Sl. No.	Enterprise	Variety/ breed/Species/others	Season and Year	No. of farmers	No. of animals, poultry birds etc.	Critical inputs	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated	
								Demo	Local check
1.	Fish Nutrition	Mineral Mixture	Kharif, 23	10	2 ha	Mineral Mixture	Weight gain		
2.	Nutrient Management	Goatry-Growth & reproduction management	Rabi-23	20	40	Dewormer (Albendazole) @ 1.00 gm per 50 kg body weight + Mineral Mixture @ 10gm per 50 kg body weight	Improvement of body weight and reproduction efficiency		
3.	Endo-parasites	Buffalo	Kharif, 23	20	40	Albendazole @ 3 gm/animal + Lever tonic @ 25 gm/ animal	Health & milk production		
4.	Backyard	Cari- Devendra	Rabi	10	200	Chick @20/ Farmer,	Mortality, Egg		



	Poultry		23			Vaccine,	production, Body weight		
5.	Urea Mineral Molasses Block (UMMB)	Buffalo	Rabi, 23	20	40	UMMB @ 400 gm/d/Animal	Milk production, Heat cycle and conception rate		
6.	Animal Nutrition	Crossbred Cow	Rabi - 2023	20	20	Treated Mustard cake	Milk Production		

(iii) Other Enterprises

S. no.	Enterprise	Variety/ Breed/Species/others	No. of farmers /farmwomen	No. of Units	Critical inputs	Performance parameters / Indicators	Data on parameter in relation to technology demonstrated	
							Demon.	Local check
1.	Fortified Vermicompost production	Fortified Vermicomposting With Halo Zinc	10	10 units	Earth worms, Bio-pesticides	Days taken for composting, N.P.K. of compost	-	-
2.	Paddy	Enrichment of organic Carbon in soil through Azolla biomass	10 (Area -5 Ha)	10	Azola culture	Soil analysis, Growth parameter, Yield	-	-

3.3 Training (Including the sponsored and FLD training programmes):

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Integrated Weed Management	1	15	0	15	5	0	5	20
Resource Conservation Technologies	1	14	0	14	6	0	6	20
Importance and role of crop rotation.	1	15	0	15	0	5	5	20
Crop Diversification	1	15	0	15	6	3	9	24
Integrated Farming	1	15	0	15	5	0	5	20
Water management	1	15	0	15	5	0	5	20
Seed production	1	15	5	20	5	0	5	25
Nursery management	1	15	0	15	5	0	5	20
Integrated Crop Management	1	10	5	15	5	0	5	20
Production of organic inputs	1	10	0	10	5	0	5	15
<b>Total</b>	<b>10</b>	<b>139</b>	<b>10</b>	<b>149</b>	<b>47</b>	<b>8</b>	<b>55</b>	<b>204</b>
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Off Season vegetables	1	15	0	15	5	0	5	20
Exotic vegetables like Broccoli	1	15	2	17	3	0	3	20
Protective cultivation (Green Houses, Shade Net etc.)	1	15	2	17	5	3	8	25
<b>b) Fruits</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Cultivation of Fruit	1	15	3	18	5	0	5	23
Management of young plants/orchards	1	15	0	15	5	0	5	20
Micro irrigation systems of orchards	1	15	0	15	5	0	5	20
<b>c) Ornamental Plants</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Management of potted plants	1	15	2	17	3	0	3	20
<b>d) Plantation crops</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Processing and value addition	1	15	0	15	5	0	5	20
<b>e) Tuber crops</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Production and Management technology	1	10	5	15	0	5	5	20
<b>f) Spices</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Processing and value addition	1	15	2	17	3	0	3	20
<b>g) Medicinal and Aromatic Plants</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Post-harvest technology and value addition	1	15	0	15	0	5	5	20
<b>Total</b>	<b>11</b>	<b>160</b>	<b>16</b>	<b>176</b>	<b>39</b>	<b>13</b>	<b>52</b>	<b>228</b>
<b>III Soil Health and Fertility Management</b>								
Soil Fertility Management	1	15	0	15	5	0	5	20
Soil & water sample collection and analysis	1	15	0	15	5	0	5	20
Soil and Water Conservation	1	15	0	15	5	0	5	20
Integrated Nutrient Management	1	15	0	15	5	0	5	20
Production of organic manure units	1	15	0	15	6	0	6	21
Management of Problematic soils	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	1	15	0	15	6	0	6	21
Nutrient Use Efficiency	1	15	0	15	5	0	5	20
Use of balance fertilizers	1	15	0	15	5	0	5	20
Production Technology of green Manure crops	1	15	0	15	5	0	5	20
<b>Total</b>	<b>9</b>	<b>135</b>	<b>0</b>	<b>135</b>	<b>47</b>	<b>0</b>	<b>47</b>	<b>182</b>
<b>IV Livestock Production and Management</b>								
Dairy Management	1	10	0	10	5	0	5	15
Poultry Management	1	12	2	14	4	0	4	18
Goatary Management	1	10	0	10	5	0	5	15
IFS Management	1	9	0	9	6	0	6	15
Disease Management	1	10	1	11	3	0	3	14
Feed management	2	17	3	20	5	5	10	30
Production of quality animal products	1	15	0	15	5	0	5	20
<b>Total</b>	<b>8</b>	<b>83</b>	<b>6</b>	<b>89</b>	<b>33</b>	<b>5</b>	<b>38</b>	<b>127</b>
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	0	14	14	0	6	6	20
Design and development of low/minimum cost balance diet	1	0	15	15	0	5	5	20
Designing and development for high nutrient efficiency diet	1	0	15	15	0	5	5	20
Minimization of nutrient loss in processing	1	0	15	15	0	5	5	20
Storage loss minimization techniques	1	0	13	13	0	6	6	19
Value addition	1	0	15	15	0	5	5	20
Income generation activities for empowerment of rural Women	1	0	15	15	0	10	10	25
Rural Crafts	1	0	13	13	0	2	2	15
<b>Total</b>	<b>8</b>	<b>0</b>	<b>115</b>	<b>115</b>	<b>0</b>	<b>44</b>	<b>44</b>	<b>159</b>
<b>VI Agril. Engineering</b>								
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VII Plant Protection</b>								
Integrated Disease management in Vegetables	1	10	5	15	5	0	5	20
Integrated Pest Management in sugarcane	1	15	5	20	5	0	5	25
Kitchen garden pest Management	1	13	2	15	3	2	5	20

Integrated pest/ Disease management in Cruciferous crops	1	15	0	15	5	0	5	20
Pest/ Disease management in floriculture	1	10	5	15	5	0	5	20
Off seasonal crop pest/ disease management	1	13	2	15	5	0	5	20
<b>Total</b>	<b>6</b>	<b>76</b>	<b>19</b>	<b>95</b>	<b>28</b>	<b>2</b>	<b>30</b>	<b>125</b>
<b>VIII. Fisheries</b>								
Integrated fish farming	1	15	0	15	5	0	5	20
Portable plastic carp hatchery	1	15	0	15	5	0	5	20
<b>Total</b>	<b>2</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>40</b>
<b>IX Production of Inputs at site</b>								
Seed Production	1	10	5	15	3	2	5	20
Planting material production	1	10	5	15	3	2	5	20
Bio-pesticides production	1	10	2	12	5	0	5	17
Bio-fertilizer production	1	7	3	10	10	5	15	25
Vermi-compost production	1	15	2	17	3	0	3	20
<b>Total</b>	<b>5</b>	<b>52</b>	<b>17</b>	<b>69</b>	<b>24</b>	<b>9</b>	<b>33</b>	<b>102</b>
<b>X. Capacity Building and Group Dynamics</b>								
Leadership development	1	8	7	15	2	3	5	20
Group dynamics	1	13	2	15	2	2	4	19
Formation and Management of SHGs	1	10	5	15	5	0	5	20
Mobilization of social capital	1	15	4	19	2	0	2	21
WTO and IPR issues	1	10	5	15	3	2	5	20
<b>Total</b>	<b>5</b>	<b>56</b>	<b>23</b>	<b>79</b>	<b>14</b>	<b>7</b>	<b>21</b>	<b>100</b>
<b>XI Agro forestry</b>								
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>G. Total</b>	<b>64</b>	<b>731</b>	<b>206</b>	<b>937</b>	<b>242</b>	<b>88</b>	<b>330</b>	<b>1267</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production – AE	1	11	3	14	5	1	6	20
Vertebrate Pest Management-PP	1	10	3	13	2	5	7	20
Seed production – CP	1	10	3	13	2	5	7	20
Planting material production –Hort.	1	10	0	10	5	0	5	15
Vermi-culture-SS	1	10	0	10	5	0	5	15
Value addition- H.Sc	1	0	15	15	0	5	5	20
<b>TOTAL</b>	<b>7</b>	<b>66</b>	<b>24</b>	<b>90</b>	<b>24</b>	<b>16</b>	<b>40</b>	<b>130</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops-CP	1	15	0	15	5	0	5	20
On-farm mass production of Bio/ Botanical Pesticides-PP	1	15	0	15	5	0	5	20
Integrated Nutrient management in Seasonal crops-SS	1	15	0	15	5	0	5	20
Information networking among farmers-AE	1	15	0	15	5	0	5	20
Livestock feed and fodder production-AS	1	16	0	16	4	0	4	20
Any other (NARI) –H.Sc.	1	0	15	15	0	5	5	20
<b>TOTAL</b>	<b>6</b>	<b>76</b>	<b>15</b>	<b>91</b>	<b>24</b>	<b>5</b>	<b>29</b>	<b>120</b>
<b>G. Total</b>	<b>77</b>	<b>873</b>	<b>245</b>	<b>1118</b>	<b>290</b>	<b>109</b>	<b>399</b>	<b>1517</b>
<b>A) OFF Campus</b>								
Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1	15	0	15	5	0	5	20
Importance and role of crop rotation.	1	15	0	15	5	0	5	20
Crop Diversification	1	15	0	15	5	0	5	20

Integrated Farming	1	10	5	15	5	2	7	22
Seed production	1	15	0	15	5	0	5	20
Production of organic inputs	1	5	0	5	10	0	10	15
<b>Total</b>	<b>6</b>	<b>75</b>	<b>5</b>	<b>80</b>	<b>35</b>	<b>2</b>	<b>37</b>	<b>117</b>
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
<b>b) Fruits</b>	0	0	0	0	0	0	0	0
Layout and Management of Orchards	1	8	5	13	7	0	7	20
Cultivation of Fruit	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	1	10	5	15	5	0	5	20
Plant propagation techniques	1	10	5	15	5	5	10	25
Propagation techniques of Ornamental Plants	1	10	5	15	5	0	5	20
<b>d) Plantation crops</b>	0	0	0	0	0	0	0	0
<b>g) Medicinal and Aromatic Plants</b>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4</b>	<b>38</b>	<b>20</b>	<b>58</b>	<b>22</b>	<b>5</b>	<b>27</b>	<b>85</b>
<b>III Soil Health and Fertility Management</b>								
Soil and Water Conservation	1	15	0	15	5	0	5	20
Integrated Nutrient Management	2	30	0	30	10	0	10	40
Production and use of organic inputs	1	15	0	15	5	0	5	20
Management of Problematic Soil	1	15	0	15	5	0	5	20
Soil and Water samples and analysis	1	15	0	15	5	0	5	20
Soil and Water testing	1	15	0	15	5	0	5	20
Use of Balance use of Fertilizer	1	15	0	15	5	0	5	20
Production techniques of Green manure crops	1	15	0	15	5	0	5	20
<b>Total</b>	<b>9</b>	<b>135</b>	<b>0</b>	<b>135</b>	<b>45</b>	<b>0</b>	<b>45</b>	<b>180</b>
<b>IV Livestock Production and Management</b>								
Dairy Management	1	8	5	13	6	2	8	21
Poultry Management	1	10	5	15	5	5	10	25
Goatary Management	1	9	5	14	6	5	11	25
Disease Management	3	30	15	45	10	10	20	65
Feed management	2	18	10	28	11	4	15	43
<b>Total</b>	<b>8</b>	<b>75</b>	<b>40</b>	<b>115</b>	<b>38</b>	<b>26</b>	<b>64</b>	<b>179</b>
<b>V Home Science/Women empowerment</b>								
Nutrition Sensitive agriculture-Poshak Thali, Poshan Calendar concept	2	0	30	30	0	10	10	40
Location specific drudgery reduction technologies	1	0	15	15	0	5	5	20
Rural Crafts	1	0	13	13	0	2	2	15
Women and child care	1	0	15	15	0	5	5	20
<b>Total</b>	<b>5</b>	<b>0</b>	<b>73</b>	<b>73</b>	<b>0</b>	<b>22</b>	<b>22</b>	<b>95</b>
<b>VI Agril. Engineering</b>								
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VII Plant Protection</b>								
Soil Solarization	1	10	5	15	5	0	5	20
Seed & Soil Treatment	1	10	5	15	5	2	7	22
Orchard Pest Management	1	14	0	14	4	2	6	20
Safe handling and application of pesticides	1	10	5	15	3	2	5	20
Integrated Nematode Management	1	15	0	15	3	2	5	20
Pest/ Disease control in Natural Farming	1	15	2	17	3	2	5	22
<b>Total</b>	<b>6</b>	<b>74</b>	<b>17</b>	<b>91</b>	<b>23</b>	<b>10</b>	<b>33</b>	<b>124</b>
<b>VIII Fisheries</b>								
Carp breeding and hatchery management	1	15	0	15	5	0	5	20

Carp fry and fingerling rearing	0	0	0	0	0	0	0	0
Composite fish culture	1	14	0	14	6	0	6	20
<b>Total</b>	<b>2</b>	<b>29</b>	<b>0</b>	<b>29</b>	<b>11</b>	<b>0</b>	<b>11</b>	<b>40</b>
<b>IX Production of Inputs at site</b>								
Seed Production	1	7	3	10	10	5	15	20
Bio-pesticides production	1	15	3	18	5	5	10	28
Biofertilizer production	0	0	0	0	0	0	0	0
Vermi-compost production S.S.	1	15	2	17	2	2	4	21
Organic manures production (S.S.)	1	10	5	15	3	2	5	20
Production of livestock feed and fodder	1	15	0	15	5	0	5	20
<b>Total</b>	<b>4</b>	<b>55</b>	<b>10</b>	<b>65</b>	<b>15</b>	<b>9</b>	<b>24</b>	<b>89</b>
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	1	7	8	15	3	2	5	20
Group dynamics	1	13	2	15	3	3	6	21
Formation and Management of SHGs(HS)	1	10	10	20	0	0	0	20
Entrepreneurial development of farmers/youths (Agro.)	1	13	2	15	3	2	5	20
WTO and IPR issues	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4</b>	<b>43</b>	<b>22</b>	<b>65</b>	<b>9</b>	<b>7</b>	<b>16</b>	<b>81</b>
<b>XI Agro-forestry</b>								
<b>XII Others (Pl. Specify)</b>								
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>G. TOTAL</b>	<b>48</b>	<b>524</b>	<b>187</b>	<b>711</b>	<b>198</b>	<b>81</b>	<b>279</b>	<b>990</b>
<b>(B) RURAL YOUTH</b>								
Scientific method of Lac cultivation-PP	1	10	0	10	5	0	5	15
Integrated farming-CP	1	10	5	15	5	0	5	20
Seed production	0	0	0	0	0	0	0	0
Production of organic inputs-SS	1	11	4	15	2	3	5	20
Formation and management of SHGs-AE	1	10	5	15	3	2	5	20
Protected cultivation of vegetable crops-Hort.	1	13	5	18	2	0	2	20
Nursery Management of Horticulture crops-Hort.	1	7	7	14	3	3	6	20
Poultry production-AS	1	10	5	15	5	5	10	25
<b>TOTAL</b>	<b>7</b>	<b>71</b>	<b>31</b>	<b>102</b>	<b>25</b>	<b>13</b>	<b>38</b>	<b>140</b>
<b>(C) Extension Personnel</b>								
Rejuvenation of old orchards –Hort.	1	15	0	15	5	0	5	20
Capacity building for ICT application-AE	1	12	5	17	3	5	8	25
Household food security-H.Sc.	1	0	15	15	0	5	5	20
<b>TOTAL</b>	<b>3</b>	<b>27</b>	<b>20</b>	<b>47</b>	<b>8</b>	<b>10</b>	<b>18</b>	<b>65</b>
<b>G. Total</b>	<b>58</b>	<b>622</b>	<b>238</b>	<b>860</b>	<b>231</b>	<b>104</b>	<b>335</b>	<b>1195</b>

**B) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	2	30	0	30	10	0	10	40

Resource Conservation Technologies	1	14	0	14	6	0	6	20
Cropping Systems	2	30	0	30	10	0	10	40
Crop Diversification	2	30	0	30	11	3	14	44
Integrated Farming	2	25	5	30	10	2	12	42
Water management	1	15	0	15	05	0	05	20
Seed production	2	30	5	35	10	0	10	45
Nursery management	1	15	0	15	5	0	5	20
Integrated Crop Management	1	10	5	15	5	0	5	20
Production of organic inputs	2	15	0	15	15	0	15	30
<b>Total</b>	<b>16</b>	<b>214</b>	<b>15</b>	<b>229</b>	<b>87</b>	<b>5</b>	<b>92</b>	<b>321</b>
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Off season vegetables	1	15	0	15	5	0	5	20
Exotic vegetables like Broccoli	1	15	2	17	3	0	3	20
Protective cultivation (Green Houses, Shade Net etc.)	1	15	0	15	5	0	5	20
<b>b) Fruits</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Layout and Management of Orchards	1	8	5	13	7	0	7	20
Cultivation of Fruit	1	15	3	18	2	3	5	23
Management of young plants/orchards	1	15	0	15	5	0	5	20
Rejuvenation of old orchards	1	10	5	15	5	0	5	20
Micro irrigation systems of orchards	1	15	0	15	5	0	5	20
Plant propagation techniques	1	10	5	15	5	5	10	25
<b>c) Ornamental Plants</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Management of potted plants	1	15	2	17	3	0	3	20
Propagation techniques of Ornamental Plants	1	10	5	15	5	0	5	20
<b>d) Plantation crops</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Processing and value addition	1	15	0	15	5	0	5	20
Production and Management technology	1	10	5	15	5	0	5	20
<b>f) Spices</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Processing and value addition	1	15	2	17	3	0	3	20
<b>g) Medicinal and Aromatic Plants</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Post harvest technology and value addition	1	15	0	15	0	5	5	20
<b>Total</b>	<b>15</b>	<b>198</b>	<b>34</b>	<b>232</b>	<b>63</b>	<b>13</b>	<b>76</b>	<b>308</b>
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	15	0	15	5	0	5	20
Soil and Water Conservation	2	30	0	30	10	0	10	40
Integrated Nutrient Management Seasonal crops	3	45	0	45	15	0	15	60
Production of organic manure units	1	15	0	15	6	0	6	21
Production and use of organic inputs	1	15	0	15	5	0	5	20
Management of Problematic soils	1	15	0	15	5	0	5	20
Micro nutrient deficiency in crops	1	15	0	15	6	0	6	21
Nutrient Use Efficiency	1	15	0	15	5	0	5	20
Soil and Water sample collection and analysis	2	30	0	30	10	0	10	40
Soil and Water Testing	1	15	0	15	5	0	5	20
Use of balance fertilizer	2	30	0	30	10	0	10	40
Production techniques of green manure crops	2	30	0	30	10	0	10	40
<b>Total</b>	<b>18</b>	<b>270</b>	<b>0</b>	<b>270</b>	<b>92</b>	<b>0</b>	<b>92</b>	<b>362</b>
<b>IV Livestock Production and Management</b>								
Dairy Management	2	18	5	23	11	2	13	36
Poultry Management	2	22	7	29	9	5	14	43
IFS Management	1	10	0	10	5	0	5	15
Goatary Management	2	19	5	24	11	5	16	40
Disease Management	4	40	16	56	13	10	23	79
Feed management	4	35	13	48	16	9	25	73

Production of quality animal products	1	15	0	15	5	0	5	20
<b>Total</b>	<b>16</b>	<b>159</b>	<b>46</b>	<b>205</b>	<b>70</b>	<b>31</b>	<b>101</b>	<b>306</b>
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	0	14	14	0	6	6	20
Design and development of low/minimum cost balance diets using locally available fruits	1	0	15	15	0	5	5	20
Designing and development for high nutrient efficiency diet	1	0	15	15	0	5	5	20
Minimization of nutrient loss in processing	1	0	15	15	0	5	5	20
Nutrition sensitive agriculture- PoshakThali, Poshan Calender concept	2	0	30	30	0	10	10	40
Storage loss minimization techniques	1	0	13	13	0	6	6	19
Value addition	1	0	15	15	0	5	5	20
Income generation activities for empowerment of rural Women	1	0	15	15	0	10	10	25
Location specific drudgery reduction technologies	1	0	15	15	0	5	5	20
Rural Crafts	2	0	25	25	0	5	5	30
Women and child care	1	0	10	10	0	10	10	20
<b>Total</b>	<b>13</b>	<b>0</b>	<b>182</b>	<b>182</b>	<b>0</b>	<b>72</b>	<b>72</b>	<b>254</b>
<b>VI Agril. Engineering</b>								
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VII Plant Protection</b>								
Integrated Disease management in Vegetables	1	10	5	15	5	0	5	20
Integrated Pest Management in sugarcane	1	15	5	20	5	0	5	25
Kitchen garden pest Management	1	13	2	15	3	2	5	20
Integrated pest/ Disease management in Cruciferous crops	1	15	0	15	5	0	5	20
Pest/ Disease management in floriculture	1	10	5	15	5	0	5	20
Off seasonal crop pest/ disease management	1	13	2	15	5	0	5	20
Soil Solarization	1	10	5	15	5	0	5	20
Seed & Soil Treatment	1	10	5	15	5	2	7	22
Orchard Pest Management	1	14	0	14	4	2	6	20
Safe handling and application of pesticides	1	10	5	15	3	2	5	20
Integrated Nematode Management	1	15	0	15	3	2	5	20
Pest/ Disease control in Natural Farming	1	15	2	17	3	2	5	22
<b>Total</b>	<b>12</b>	<b>150</b>	<b>36</b>	<b>186</b>	<b>51</b>	<b>12</b>	<b>63</b>	<b>249</b>
<b>VIII. Fisheries</b>								
Integrated fish farming	1	15	0	15	5	0	5	20
Carp breeding and hatchery management	1	15	0	15	5	0	5	20
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0
Composite fish culture	1	14	0	14	6	0	6	20
Portable plastic carp hatchery	1	15	0	15	5	0	5	20
<b>Total</b>	<b>4</b>	<b>59</b>	<b>0</b>	<b>59</b>	<b>21</b>	<b>0</b>	<b>21</b>	<b>80</b>
<b>IX Production of Inputs at site</b>								
Seed Production	2	17	8	25	13	7	20	45
Planting material production	1	10	5	15	3	2	5	20
Bio-agents production	0	0	0	0	0	0	0	0
Bio-pesticides production	2	25	5	30	10	5	15	45
Bio-fertilizer production	0	0	0	0	0	0	0	0
Vermi-compost production	2	30	4	34	7	0	7	41
Organic manures production	1	10	5	15	3	2	5	20
Production of livestock feed and fodder	1	15	0	15	5	0	5	20
Production of Fish feed	0	0	0	0	0	0	0	0

<b>Total</b>	<b>9</b>	<b>107</b>	<b>27</b>	<b>134</b>	<b>41</b>	<b>16</b>	<b>57</b>	<b>191</b>
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	2	15	15	30	5	5	10	40
Group dynamics	2	26	4	30	5	5	10	40
Formation and Management of SHGs	2	20	15	35	5	0	5	40
Mobilization of social capital	1	15	4	19	2	0	2	21
Entrepreneurial development of farmers/youths	1	13	2	15	3	2	5	20
WTO and IPR issues	1	10	5	15	3	2	5	20
<b>Total</b>	<b>9</b>	<b>99</b>	<b>45</b>	<b>144</b>	<b>23</b>	<b>14</b>	<b>37</b>	<b>181</b>
<b>XI Agro Forestry</b>								
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>G.Total</b>	<b>112</b>	<b>1255</b>	<b>393</b>	<b>1648</b>	<b>440</b>	<b>169</b>	<b>609</b>	<b>2257</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production- AE	1	11	3	14	5	1	6	20
Bee-keeping-PP	1	10	0	10	5	0	5	15
Integrated farming- CP	1	10	5	15	5	0	5	20
Seed production-CP	1	10	3	13	2	5	7	20
Production of Bio Inputs	1	10	3	13	2	5	7	20
Production of organic compost-SS	1	11	4	15	2	3	5	20
Planting material production-HORTI	1	10	0	10	5	0	5	15
Vermi-culture- SS	1	10	0	10	5	0	5	15
Sericulture	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	1	13	5	18	2	0	2	20
Commercial fruit production	0	0	0	0	0	0	0	0
Formation and Management of SHGs – AE	1	10	5	15	3	2	5	20
Nursery Management of Horticulture crops- HORTI	1	7	7	14	3	3	6	20
Training and pruning of orchards	0	0	0	0	0	0	0	0
Value addition- HSC.	1	0	15	15	0	5	5	20
Sheep and goat rearing-AS	1	15	0	15	5	0	5	20
Poultry production	1	10	5	15	5	5	10	25
<b>TOTAL</b>	<b>14</b>	<b>137</b>	<b>55</b>	<b>192</b>	<b>49</b>	<b>29</b>	<b>78</b>	<b>270</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops-CP	1	15	0	15	5	0	5	20
On-farm mass production of Bio/ Botanical Pesticides-PP	1	15	0	15	5	0	5	20
Integrated Nutrient management in Seasonal crops-SS	1	15	0	15	5	0	5	20
Rejuvenation of old orchards –Hort.	1	15	0	15	5	0	5	20
Information networking among farmers-AE	1	15	0	15	5	0	5	20
Capacity building for ICT application-AE	1	12	5	17	3	5	8	25
Livestock feed and fodder production-AS	1	16	0	16	4	0	4	20
Household food security-H.Sc.	1	0	15	15	0	5	5	20
Any other (NARI) –H.Sc.	1	0	15	15	0	5	5	20
<b>Total</b>	<b>9</b>	<b>103</b>	<b>35</b>	<b>138</b>	<b>32</b>	<b>15</b>	<b>47</b>	<b>185</b>
<b>G. TOTAL</b>	<b>135</b>	<b>1495</b>	<b>483</b>	<b>1978</b>	<b>521</b>	<b>213</b>	<b>734</b>	<b>2712</b>

Details of Training Programme attached in **Annexure -I**

### 3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	18	290	25	315	14	0	14	304	25	329
Method demonstrations	8	88	10	98	8	0	8	96	10	106
Kisan Mela	01	400	120	400	20	10	30	420	130	550



Kisan Ghosthi	5	160	30	190	10	0	10	10	90	200
Technology Week	2	250	30	280	10	2	12	260	42	302
Exhibition	02	150	100	250	10	10	20	160	110	270
Film Show	3	15	60	75	5	10	15	20	70	90
Group meetings	5	0	40	40	0	5	5	0	45	45
Lectures delivered as resource persons	10	1500	200	1700	40	0	40	1540	200	1740
Newspaper coverage	50	0	0	0	0	0	0	0	0	0
Radio talks	10	0	0	0	0	0	0	0	0	0
TV talks	10	0	0	0	0	0	0	0	0	0
Popular articles	15	0	0	0	0	0	0	0	0	0
Extension Literature	10	0	0	0	0	0	0	0	0	5000
<b>Advisory Services</b>	250	0	0	0	0	0	0	0	0	0
Scientific visit to farmers field	220	220	30	250	0	0	0	220	30	250
Farmers visit to KVK	300	0	0	0	0	0	0	0	0	300
Diagnostic visits	80	80	10	90	0	0	0	80	10	90
Exposure visits	2	48	12	60	4	0	4	52	12	64
Ex-trainees S sammelan	1	10	20	30	0	0	0	10	20	30
Soil health Camp	3	120	30	150	0	0	0	120	30	150
Animal Health Camp	3	90	10	100	0	0	0	90	10	100
Agri mobile clinic	1	48	12	60	4	0	4	52	12	64
Soil test campaigns	2	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	3	60	18	178	10	0	10	70	18	88
Self Help Group Conveners meetings	4	0	60	60	0	4	4	0	64	64
Mahila Mandals Conveners meetings	2	0	40	40	0	5	5	0	45	45
Celebration of important days (specify)	3	60	0	60	6	0	6	66	0	66
Celebration of special days	7	170	25	195	7	0	7	177	25	202
Pre Kharif workshop	1	75	25	100	10	0	10	85	25	110
Pre Rabi workshop	1	75	25	100	10	0	10	85	25	110
Any Other (Specify)	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1032</b>	<b>3909</b>	<b>932</b>	<b>4821</b>	<b>168</b>	<b>46</b>	<b>214</b>	<b>3917</b>	<b>1048</b>	<b>10365</b>

Annexure - I

### Training Programme

#### i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
17/02/2023	PF	Weed management in sugar cane	1	15	0	15	5	0	5	20
01/11/2023	PF	Promotion of zero tillage seed drill in wheat cultivation	1	14	0	14	6	0	6	20
15/05/2023	PF	Promotion of HYV in Kharif cereal crops	1	15	0	15	6	3	9	24
19/09/2023	PF	Integrated crop management in sugar cane	1	15	3	15	5	0	5	20
26/09/2023	PF	Integrated Farming system in Rabi crops	1	15	0	15	5	0	5	20
10/10/2023	PF	Scientific Seed production of Lentil	1	15	5	20	5	0	5	25

11/05/2023	PF	Nursery management in paddy	1	15	0	15	5	0	5	20
23/05/2023	PF	Importance and role of crop rotation	1	15	0	15	5	0	5	20
16/06/2023	PF	Different method of direct seeding in rice	1	10	5	15	5	0	5	20
10/04/2023	PF	Production techniques of green manure crops	1	10	0	10	5	0	5	15
		<b>Total</b>	<b>10</b>	<b>139</b>	<b>13</b>	<b>149</b>	<b>52</b>	<b>3</b>	<b>55</b>	<b>204</b>
<b>Horticulture</b>										
15/06/2023	PF	Promotion of low tunnel poly house for vegetable seedling production	1	15	0	15	5	0	5	20
23/10/2023	PF	Scientific cultivation of broccoli	1	15	2	17	3	0	3	20
13/03/2023	PF	Cultivation of capsicum, tomato and cucumber in low cost green house	1	15	2	17	5	3	8	25
07/11/2023	PF	Use of hormones for regulation of mango crop	1	15	3	18	5	0	5	23
24/06/2023	PF	Fruit nursery management	1	15	0	15	5	0	5	20
28/08/2023	PF	Micro irrigation system in Orchard	1	15	0	15	5	0	5	20
31/08/2023	PF	Production techniques of strawberry	1	15	0	15	5	0	5	20
24/05/2023	PF	Production of elephant foot yam in mango orchards	1	10	5	15	0	5	5	20
23/05/2023	PF	Management of potted plant	1	15	2	17	3	0	3	20
19/01/2023	PF	Promotion of newly released varieties of Mentha (mint)	1	10	5	15	5	0	5	20
25/07/2023	PF	Promotion of newly released varieties of spices	1	15	2	17	3	0	3	20
		<b>Toatl</b>	<b>11</b>	<b>155</b>	<b>21</b>	<b>176</b>	<b>44</b>	<b>8</b>	<b>52</b>	<b>228</b>
<b>Livestock prod.</b>										
12/04/2023	PF/FW	Importance of Artificial Insemination in cattle and Buffalo breeds Improvement	1	10	0	10	5	0	5	15
09/6/2023	PF/FW	Suitable breeds for Backyard poultry farming in Rural Area	1	12	2	14	4	0	4	18
27/04/2023	PF/FW	Doubling Income through Goat based IFS	1	10	0	10	5	0	5	15
28/05/2023	PF/FW	Scientific method of goat rearing	1	9	0	9	6	0	6	15
26/07/2023	PF/FW	Main causes of metabolic disorders in ruminant animals	1	10	1	11	3	0	3	14
19/07/2023	PF/FW	Year round green fodder production	1	10	0	10	5	0	5	15
23/10/2023	PF/FW	Method of silage and hay making	1	7	3	10	0	5	5	15
18/11/2023	PF/FW	Production of quality animal products	1	15	0	15	5	0	5	20
			8	83	6	89	33	5	38	127
<b>Home Sc.</b>										
12/09/2023	FW	Household food security by kitchen gardening and nutrition gardening	1	0	15	15	0	5	5	20
15/06/2023	FW	Design and development of low/minimum cost balance diets using locally available fruits	1	0	15	15	0	5	5	20
18/04/2023	FW	Designing and development for high nutrient efficiency diet using fortification through Millets	1	0	15	10	0	5	5	20
24/07/2023	FW	Minimization of nutrient loss in processing	1	0	15	15	0	5	5	20
28/08/2023	FW	Designing and development for high nutrient efficiency diet using fortification through Millets	1	0	15	15	0	5	5	20

22/03/2023	FW	Storage loss minimization techniques	1	0	13	13	0	6	6	19
15/11/2023	FW	Income generation activities for empowerment of rural Women	1	0	15	15	0	10	10	25
18/01/2023	FW	Augmentation methods of handicraft items' embellishment made by farm women	1	0	10	10	0	5	5	15
			<b>8</b>	<b>0</b>	<b>113</b>	<b>108</b>	<b>0</b>	<b>46</b>	<b>46</b>	<b>159</b>
<b>Plant protection</b>										
19/09/2023	PF/FW	Pest management in Tomato	1	10	5	15	5	0	5	20
13/06/2023	PF	Tools & Techniques of Integrated Pest Management in Sugarcane	1	15	5	20	5	0	5	25
25/10/2023	PF	Integrated pest management in mango	1	13	2	15	3	2	5	20
14/02/2023	PF	Pest management in Mentha piperata	1	15	0	15	5	0	5	20
18/01/2023	PF	Safe handling of pesticides	1	15	0	15	5	0	5	20
15/03/2023	PF	Nematode Management in Cereal & vegetable	1	13	2	15	5	0	5	20
		<b>Total</b>	<b>6</b>	<b>81</b>	<b>14</b>	<b>95</b>	<b>28</b>	<b>2</b>	<b>30</b>	<b>125</b>
<b>Agril. Engg.</b>										
<b>Fisheries</b>										
27/06/2023	PF	Integrated Fish Farming	1	15	0	15	0	5	5	20
<b>Soil Health and Fertility Management</b>										
10/05/2023	PF	Procedures of soil sampling in paddy	1	15	0	15	5	0	5	20
6/06/2023	PF	Soil fertility Management	1	15	0	15	5	0	5	20
18/08/2023	PF/FW	Soil and water Conservation techniques	1	15	0	15	5	0	5	20
28/07/2023	PF/FW	Importance of bio fertilizer in Paddy	1	15	0	15	5	0	5	20
19/10/2023	PF/FW	Judicial use of fertilizers	1	15	0	15	5	0	5	20
9/06/2023	PF	Technology of green manure in Paddy Crop	1	15	0	15	5	0	5	20
11/09/2023	PF	Organic Manure Production Technology	1	15	0	15	0	6	6	21
4/1/2023	PF	Nutrient Use Efficiency in Sugarcane	1	15	0	15	5	0	5	20
2/2/2023	PF	Micro nutrient deficiency in vegetable crop	1	15	0	15	6	0	6	21
			<b>9</b>	<b>135</b>	<b>0</b>	<b>135</b>	<b>41</b>	<b>5</b>	<b>46</b>	<b>181</b>
<b>Production of Inputs at site</b>										
17/02/2023	PF	Scientific production of planting material	1	10	5	15	3	2	5	20
8/11/2023	PF	Bio-pesticides production	1	10	2	12	5	0	5	17
18/05/2023	PF/FW	Organic manures production	1	15	2	17	3	0	3	20
3/02/20/23	PF	Pulse crop seed production	1	10	5	15	3	2	5	20
10/10/23	PF	Bio-fertilizer production	1	7	3	10	10	5	15	25
			<b>5</b>	<b>52</b>	<b>17</b>	<b>69</b>	<b>24</b>	<b>9</b>	<b>33</b>	<b>102</b>
<b>Capacity Building and Group Dynamics</b>										
15/06/2023	PF	Creating a spirit of self help in the Farmers	1	15	0	15	5	0	5	20
26/08/2023	PF	Training of Rural youth for self Employment	1	13	2	15	2	2	4	19
25/09/2023	PF	Linking of small production with market	1	15	5	19	2	0	2	21
3/2/2023	PF	Master trainer training on agro based entrepreneurship	1	8	7	15	2	3	5	20
4/4/2023	PF	Advances in intellectual property	1	10	5	15	3	2	5	20
			<b>5</b>	<b>61</b>	<b>19</b>	<b>79</b>	<b>14</b>	<b>7</b>	<b>21</b>	<b>100</b>

**i) Farmers & Farm women (Off Campus)**

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
05/06/2023	PF	Weed management in sugar cane in kharif season	1	15	0	15	5	0	5	20
20/3/2023	PF	Importance and role of crop rotation in soil fertility and productivity	1	15	0	15	5	0	5	20
12/09/2023	PF	Production of potato with maize	1	15	0	15	5	0	5	20
20/06/2023	PF	Integrated Farming systems in <i>Kharif</i>	1	10	5	15	5	2	7	22
17/05/2023	PF	Seed production of Paddy	1	15	0	15	5	0	5	20
17/10/2023	PF	Production of Organic inputs	1	5	0	5	10	0	10	15
			6	75	5	80	35	2	37	117
<b>Horticulture</b>										
18/07/2023	PF	High density plantation in guava and mango orchard crops	1	8	5	13	7	0	7	20
16/08/2023	PF	Rejuvenation of old mango orchards	1	10	5	15	5	0	5	20
19/09/2023	PF	Nursery Management of seasonal flowers	1	10	5	15	5	0	5	20
20/10/2023	PF	Nursery raising techniques of ornamental & seasonal flower	1	10	5	15	5	5	10	25
			4	38	20	58	22	5	27	85
<b>Live Stock Production.</b>										
22/04/2023	PF	Management of Dairy Animals in summer season	1	8	5	13	6	2	8	21
18/01/2023	PF	Vaccination of Poultry	1	10	5	15	5	5	10	25
08/02/2023	PF	Preparation of concentrate mixture for higher growth in goats	1	9	5	14	6	5	11	25
24/02/2023	PF	Causes and control of mastitis in dairy animals	1	10	5	15	0	4	4	19
27/02/2023	PF	Precaution and causes of bloat in ruminants	1	10	5	15	5	3	8	23
16/12/2023	PF	Internal and external parasite control in dairy animals	1	10	5	15	5	3	8	23
11/08/2023	PF	Importance of mineral mixture in milk production and health of dairy animals	1	8	6	14	5	2	7	21
07/09/2023	PF	Non- conventional protein sources for dairy animals	1	10	4	14	6	2	8	22
		<b>Total</b>	<b>8</b>	<b>75</b>	<b>40</b>	<b>115</b>	<b>38</b>	<b>26</b>	<b>64</b>	<b>179</b>
<b>Agril. Engg.</b>										
	PF	Repair and maintenance of Rotavator								
	PF	Promotion of groundnut decorticator								
<b>Home Sc.</b>										
26/04/2023	PF	Concept of PoshakThali and PoshanCalender	1	0	15	15	0	5	5	20
17/05/2023	PF	Importance of balance diet and its development according to the needs of different age groups	1	0	15	15	0	5	5	20
19/08/2023	PF	Importance of quinoa and moringa in human diet	1	0	15	15	0	5	5	20
2/02/2023	PF	Entrepreneurship develop through rural craft	1	0	13	13	0	2	2	15

08/12/2023	PF	Use of Naveen dibbler for sowing of bold seeds to reduce drudgery and improve work efficiency of farmwomen	1	0	15	15	0	5	5	20
			<b>3</b>	<b>0</b>	<b>73</b>	<b>73</b>	<b>0</b>	<b>22</b>	<b>22</b>	<b>95</b>
<b>Plant Protection</b>										
13/06/2023	PF	Integrated Pest Management in pigeon pea	1	10	5	15	5	0	5	20
15/09/2023	PF	Seed and soil treatment technology	1	10	5	15	5	2	7	22
11/12/2023	PF	Integrated Pest Management in Banana	1	14	0	14	4	2	6	20
05/10/2023	PF	Method of safe handling of pesticide	1	10	5	15	3	2	5	20
09/01/2023	PF	Integrated Nematode Management in Vegetable	1	15	0	15	3	2	5	20
22/02/2023	PF	Bio-control of pests and diseases in Natural farming	1	15	2	17	3	2	5	22
			6	74	17	91	23	10	33	124
<b>Fisheries</b>										
17/08/2023	PF	Composite fish culture	1	14	0	14	4	2	6	20
28/09/2023	PF	Portable plastic carp hatchery	1	15	0	15	5	0	5	20
			2	29	0	29	9	2	11	40
<b>Soil health</b>										
10/10/2023	PF	Integrated Nutrient Management in cereal crops	1	15	0	15	5	0	5	20
17/11/2023	PF	Production and use of organic inputs	1	15	0	15	5	0	5	20
08/02/2023	PF	Management of Problematic soils	1	15	0	15	5	0	5	20
12/12/2023	PF	Integrated Nutrient Management in Oil seed	1	15	0	15	5	0	5	20
7/02/2023	PF	Irrigation Management in Sugarcane crop	1	15	0	15	5	0	5	20
11/04/2023	PF	Soil Sample method in orchard	1	15	0	15	5	0	5	20
18/05/2023	PF	Green manuring technique in Cereals crop	1	15	0	15	5	0	5	20
31/10/2023	PF	Use of balance fertilizer in pulse crop	1	15	0	15	5	0	5	20
18/1/2023	PF	Importance of soil and water testing	1	15	0	15	5	0	5	20
			9	135	0	135	45	0	45	180
<b>Production of Inputs at site</b>										
18/05/2023	PF	Seed Production of paddy	1	7	3	10	10	0	10	20
13/07/2023	PF	Planting material production (Horti.)	1	14	0	14	4	2	6	20
22/08/2023	PF	Bio-pesticides production	1	15	3	18	5	5	10	28
14/09/2023	PF	Vermi-compost production (Horti.)	1	15	2	17	2	2	4	21
18/10/2023	PF	Crop residue management technologies	1	10	5	15	3	2	5	20
			5	61	13	74	24	11	35	109
<b>Capacity Building and Group Dynamics</b>										
14/06/2023	PF	Mechanism of promotion of village industries	1	7	8	15	3	2	5	20
06/07/2023	PF	Find out of market need through agriculture	1	13	2	15	3	3	6	21
19/07/2023	PF	Development of Rural Youth through agro base micro Enterprises	1	10	10	20	0	0	0	20
29/09/2023	PF	Entrepreneurial development of farmers/youths (Agro.)	1	13	2	15	3	2	5	20
		<b>Total</b>	<b>4</b>	<b>43</b>	<b>22</b>	<b>65</b>	<b>9</b>	<b>7</b>	<b>16</b>	<b>81</b>

**ii) Vocational training programmes for Rural Youth**

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total	
					M	F	T	M	F	T		
<b>On campus</b>												
Pest Management	Pest Management - PP	Vertebrate Pest Management	Ocr, 2-23	2	10	3	13	2	5	7	20	
Mushroom	Mushroom Production-AE	Production technique of mushroom	Nov, 2023	3	11	3	14	5	1	6	20	
Fruit	Planting material production - HORTI	Softwood grafting of gauva	March, 2023	3	10	0	10	5	0	5	15	
Organic Manure	Vermi-culture - SOIL	Crop residue management technologies	Sept, 2023	1	10	0	10	5	0	5	15	
Small Ruminants	Sheep and Goat rearing	Scientific method of goat rearing and breed improvement	Nov. 2023	4	15	0	15	5	0	5	20	
Pulses	Seed Production	Scientific method of pulses seed production	March, 2023	1	10	3	13	2	5	7	20	
Fruits and vegetables	Value addition	Ready to Serve Beverages, value addition of fruits and vegetables	March, 2023	2	0	15	15	0	5	5	20	
<b>Total</b>				<b>7</b>	<b>66</b>	<b>24</b>	<b>90</b>	<b>24</b>	<b>16</b>	<b>40</b>	<b>130</b>	
<b>Off campus</b>												
Lac Cultivation	Scientific method of Lac cultivation	Lac based IFS model for medium resource farmer	Jan, 2023	3	10	0	10	5	0	5	15	
Cereal+dairy+vermin+others	Integrated farming -CP	IFS model for small farmers	Oct, 2023	3	10	5	15	5	0	5	20	
SHGs	SHGs -RY	Formation and Management of SHGs	Oct, 2023	3	10	5	15	3	2	5	20	
Bio-agent	Production of organic inputs-SS	Use and production of Azolla production	Sept, 2023	3	11	4	15	2	3	5	20	
Vegetable	Planting material production - HORTI	Off season vegetable seed production of cole crop	July, 2023	3	13	5	18	2	0	2	20	
Fruit	Nursery Management of Horticulture crops-HORTI	Hi-tech nursery production of horti-crops	June, 2023	3	7	7	14	3	3	6	20	
Poultry	Backyard Poultry Farming -AS	Hatchery Management in Backyard Poultry breed	Feb, 2023	3	10	5	15	5	5	10	25	
<b>Total</b>				<b>7</b>	<b>-</b>	<b>71</b>	<b>31</b>	<b>102</b>	<b>25</b>	<b>3</b>	<b>38</b>	<b>140</b>

**iii) Training programme for extension functionaries**

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>On Campus</b>										
JUN, 2023	BTM, Fertilizer Dealers-SS	Integrated Nutrient mgt in paddy production	1	15	0	15	5	0	5	20

AUG,2023	BTM, Fertilizer Dealers-SS	Production of Bio Pesticide	1	15	0	15	5	0	5	20
FEB, 2023	BTM	Productivity enhancement in Oil seed and Pulse crop	1	15	0	15	5	0	5	20
SEPT, 2023	Para Vet, Vaccinator	Balance nutrition & use of locally available resources for feeding	1	16	0	16	4	0	4	20
APRIL, 2023	Field level workers of MahilaSammakhya	Concept of PoshakThali and PoshanCalender	1	0	15	15	0	5	5	20
SEPT, 2023	Field level workers of Rajiv Gandhi Mahila VikasPariyojna	Knowledge, skill and capacity development of extension workers in nutrition sensitive agriculture	1	15	0	15	5	0	5	20
<b>Total</b>			<b>6</b>	<b>76</b>	<b>15</b>	<b>91</b>	<b>24</b>	<b>5</b>	<b>29</b>	<b>120</b>
<b>Off campus</b>										
AUG, 2023	JHI, HI- HORTI	Rejuvenation of old mango orchards	1	15	0	15	5	0	5	20
FEB, 2023	Facilitation of Post man-AE	Use of mobile messaging system for farm	1	12	5	17	3	5	8	25
JUNE, 2023	Aaganwadi workers	Household food security through establishment of nutritional garden	1	0	15	15	0	5	5	20
<b>Total</b>			<b>3</b>	<b>27</b>	<b>20</b>	<b>47</b>	<b>8</b>	<b>10</b>	<b>18</b>	<b>65</b>

**iv) Sponsored programme**

Discipline	Sponsoring agency	Clientel e	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
<b>a) Sponsored training programme</b>											
Plant prot.	NIPHM, Hyderabad	PF	Mass production of bio agent	1	40			20			60
Horticulture	NHM	PF	Production & management of tissue culture banana	1	0	21	21	0	9	9	30
H.Sc.	Mahila Sammakhya	Rural Youth	Planning, layout and management of nutritional garden	1	0	21	21	0	9	9	30
	MahilaSammakhya	Rural Youth	Fruit and vegetable preservation techniques	1	0	24	24	0	6	6	30
Animal Science	Goat-Poultry - Azola	PF		1	15	0	15	0	5	5	20
<b>Total</b>				<b>4</b>	<b>55</b>	<b>66</b>	<b>81</b>	<b>20</b>	<b>29</b>	<b>29</b>	<b>170</b>
<b>b) Sponsored research programme</b>											
<b>c) Any special programmes</b>											
<b>Total</b>											

**3.5 Target for Production and supply of Technological products**

**SEED MATERIALS**

S.No.	Type of crop	Crop	Variety	Quantity (qtl.)
1.	CEREALS	Paddy	NDR-2065	40.0
		Wheat	DBW-187	40.0
		Wheat	HD 3059	20.0
2.	OILSEEDS	Yellow Mustard	Pitambari	8.0

		Mustard	Giriraj	5.0
3.	<b>PULSES</b>	Chickpea	GNG-2144	3.0
4.	<b>VEGETABLES</b>	-		0
5.	<b>FLOWER CROPS</b>	Marigold	Pusa Basanti, Pusa Narangi	0.025
6.	Green Manure	Sunhemp	SH-04	10.0
7.	Sugarcane		14201 and 13235	500
		<b>Total</b>		<b>626.025</b>

#### PLANTING MATERIALS

Type of crop	Crop	Variety	Quantity (Nos.)
<b>FRUITS</b>	Papaya	PUSA Nanha	2000
<b>VEGETABLES</b>	Cole crops and <i>Solenaceious</i> crops	-	10,000
<b>FOREST SPECIES</b>	Kusum	<i>Schliecheraoleosa</i>	5000
	Sagaun		500
<b>ORNAMENTAL CROPS</b>			0
<b>Other</b>	Lac Host Plant	<i>Flemingiasemialata</i> -	20,000
		Schliecheraoleosa	500
<b>Moringa</b>		PKM -1,2	1800
<b>Hybrid Napier Rootslip</b>		IGFRI-5,7	20000
		<b>Total</b>	<b>42,300</b>

#### Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
1.	Botanical Pesticides			500 lt
2.	Low cost Yellow sticky trap		300	

#### LIVESTOCK

Unit	Type	Breed	Quantity	
			(Nos)	Kg
Buffalo	Heifers		0	
GOAT	Kids	Barbari	25	
Duck	Chicks	Khaki Campbell	50	
POULTRY	chicks	Aseel, Kadaknath	200	
Pig farming				
FISHERIES	Fry	Rohu, Common carp	5 lac	

#### 2.6. Literature to be Developed/Published

##### (A) KVK News Letter

Date of start : 25 March, 2013

Number of copies to be published : 5000



**(B) Literature developed/published**

S.No.	Topic	Number
1	Research paper	8
2	Technical reports	2
3	News letters	4
4	Training manual all discipline	5(1000)
5	Popular article	20
6	Extension literature	7(1500)
	<b>Total</b>	-

**(C) Details of Electronic Media to be produced**

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	Video Film	Azola Production and use in Animal Feed	1
2	Video Film	Groundnut Production	1
3	Video Film	Mushroom Production	1
4	Video Film	BGA Production	1
5	Video Film	Lac cultivation	1
6	Video Film	Vermi-compost Production	1
7	Video Film	Poultry Hatchery	1
8	Video Film	Candle Making	1
9	Video Film	Seed production of pulses	1
10	Video Film	bio-fertilizers production	1
11	Video Film	Layout, Cutting and Stitching of ladies garments	1

**3.7. Success stories/Case studies identified for development as a case. -**

a. Brief introduction

b. Interventions

c. Output

d. Outcomes

e. Impact

i) Social economic

ii) Bio-Physical

f. Good Action Photographs

**Following case studies developed by the KVK:**

- Seed Production of Groundnut
- Integrated fish farming
- Groundnut intercropping in sugarcane
- Groundnut intercropping in Banana
- Women Empowerment through Vermi-composting
- Lac Cultivation
- Impact of IPM programmes in Rice

**3.8 Indicate the specific training need analysis tools/methodology followed for**

➤ **Identification of courses for farmers/farm women**

- Protection of Plant variety and Farmers Rights
- Based on survey and group discussion
- Feedback from farmers/farm women
- Based on local resources and prevailing farming system

➤ **Rural Youth**

- Based on need assessment through PRA techniques
- Need based, location specific analysis

➤ **In service personnel**

- Based on demand on the requirement of the concerned organization
- Based on knowledge gap and feedback information from in service personnel

**3.9 Indicate the methodology for identifying OFTs/FLDs**

- PRA , Group discussion , Identification and Prioritization of problem related causes, Matrix ranking by problem caused diagram .

**3.10 Field activities**

- i. Number of villages adopted - 05
- ii. No. of farm families selected - 125
- iii. No. of survey/PRA conducted - 05

**3.11. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab : Soil Testing Kit Manufactured by Nagarjuna Pvt. Ltd

**1. Year of establishment : 2016-17**

**2. List of equipments purchase with amount**

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Mridaparikshak	2	1,95,000.00

**3. Targets of samples for analysis:**

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	1500	1500	25	-
Water				
Plant				
<b>Total</b>	1500	1500	25	

**4.0 LINKAGES**

**4.1 Functional linkage with different organizations**

Sl.No.	Name of organization	Nature of Linkage
1.	ICAR Insititutes: 1. NCIPM, New Delhi, 2. CSSRI, Lucknow, 3 .IISR, Lucknow, 4. IIPR, Kanpur, 5. CISH, Lucknow, 6. CIMAP, Lucknow, 7. DSR, Mau,	Technical advisement / consultation

	8.DWR, Karnal, 9. DRR, Hyderabad, 10. IINGR, Ranchi 11. NIPHM, Hyderabad 12. IIHR, Bengaluru 13. IGFRI, Jhansi 14. IARI, New Delhi 15. DWSR, Jabalpur 16.Zonal Project Directorate, Kanpur 17. CIRG, Mathura 18. NBFGR, Lucknow 19. IVRI, Bareilly 20. DGR- Junagadh, Gujarat SAUs NDUA&T, Faizabad CSAUA&T, Kanpur GBPUA&T, Pantnagar ANGRAU, Hyderabad TNAU, Coimbatore	
2.	All district line department	Training, Goshthi, Meetings, Demonstrations
3.	All Banks: Lead Bank – Allahabad Bank,U.P. Gramin Bank, SBI, BOB,NABARD, Rural Self Employment Training Institute (RSETI)	Training, Goshthi, Meetings
4.	Corporate and others: The SeksariaBiswan Sugar Factory Pvt. Ltd. , BAYER, Coromendel, NFL, Crystal, IFFCO, KRIBHCO, TATA, DHANYA, DHANUKA, CHAMBAL, SUMITOMO, DUPONT, SURAJ SHREE, EXCEL, PCI, INDOFIL, INDOGULF, RML,PI,PPL,,DSCL,NSC,ADVANTA, UPL.	Training, Meeting , Field day, Mela, Demonstration
5.	NGOs and other organizations: SOPAAN foundation. Global foundation,Bioved Research Society, Farmer club formed by NABARD, SHGs formed by DRDA, Sitapur,	Training, Mela, Demonstration

#### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage
1	Training	Technical know-how
2	Demonstration	Technical Advisory

#### 4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Training	Technical know-how

#### 4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
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#### 3.6 Literature to be Developed/Published

#### 5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1		
	<b>Total</b>	

#### 6.0 Convergence with departments :

- 1- Member of ATMA Governing Body, District Sitapur.
- 2- Member of NHM Governing body, District Sitapur.
- 3- Member of Society for Promotion of Drip Irrigation in District Sitapur.
- 4- Technical Advisor of Kisan Clubs Established by NABARD District Sitapu
- 5- Technical Support to SHGs established by Rajiv Gandhi MahilaVikasPariyojana, Sitapur

#### 7.1. Details of the programmes being implemented by your KVK in partnership with other institution

S. No.	Name of Programme	Main Institution (IARI, DBT, DST, UPCAR, etc.)	Duration	Budget (in Rs.)
1	Validation and promotion of IPM in Tomato Cropping system	NCIPM, New Delhi	2016-19	-
2	PUSA post office linkage programme	IARI, New Delhi	From 2015	-
3	NIFTD	ATARI, IGFR, JHANSHI	From 2015	-
4	Revival of Groundnut in Sitapur and Adjoining districts of Uttar Pradesh	Directorate of Groundnut Research, Junagadh, Gujarat	From 2017	Inputs

#### 7.2. Brief achievements of above collaborative programmes

S. No.	Name of Programme	Salient achievement	Impact of the programme
1	Validation and promotion of IPM in Tomato Cropping system	SOIL SAMPLING, NEMATODE IDENTIFICATION ORGANIZED DEMONSTRATION	8 IPM Villages Established and Input cost of production reduced up to 25 percent -
2	EIQ based IPM IN Rice	78 Acre IPM Model demonstrated and 78 Farmers field school conducted	7 IPM Villages established and IPM input intervention started
3	PUSA post office linkage programme	SUCCESSFULLY ORGANIZED DEMONSTRATION AND TRAININGS	NOW FARMERS ARE ABLE TO EXCHANGE SEED AMONG THEM
4	NIFTD	SUCCESSFULLY ORGANIZED DEMONSTRATION AND TRAININGS	ENHANCEMENT IN MILK YIELD, DECREASED MORTALITY OF YOUNG CALF
5	Revival of Groundnut in Sitapur and Adjoining districts of Uttar Pradesh	Revival of Groundnut in Sitapur and Adjoining districts of Uttar Pradesh through cluster front line demonstrations	Now farmers are gaining more income through the inter cropping of groundnut in main crops of Sitapur like Sugarcane, Banana, Pigeon pea etc...
6	PPV& FRA	175 Indigenous Traditional seed diversity collected from farmers and submitted to PPV& FR Authority for Registration	Identified indigenous seed diversity of Cereals oilseeds, pulses, vegetables fruit and spices

7	DBT-Biotech Kisan HUB	Resource conservation, Beekeeping, Goatary, Nursery Management Model established	Integrated farming system model established at villages level
8	DST Rural Women Technology Park	Makahana, Azolla, Backyard Poultry, Drudgery reduction model demonstrated	4 SHGs Framed and started their business on demonstrated enterprises
9	ICAR-SCSP PROGRAM	IPM tools distributed among 841 farmers in 41 Villages of 9 blocks of Sitapur districts	Input cost reduction and Environmental conservation practices started in demonstrated villages

**8. Achievements (Both Technical and physical) of sponsored programmes (As applicable to your KVK) during the reporting period (2021)**

S. No.	Name of Programme	Detailed Technical Achievements	Physical (infrastructural achievement)
1	TSP Project		
2	ARYA Project		
3	CFLD-NFSM Project		
	i. Kharif season	Pigeon pea- NA-2, Line sowing, seed treatment, use of bio-fertilizer, Soil test based balance use of fertilizer Sesame -Pragati, NA-2, Line sowing, seed treatment, use of bio-fertilizer, Soil test based balance use of fertilizer	-
	ii. Rabi season	Yellow mustard- NRCYS-2, Black Mustard – Giriraj-, Bharat Sarson-2, Lentil- PL-08	-
	iii. Summer season		
4	CSISA Project		
5	NICRA Project		
6	Soil Health Card	793	-
7	Other (please specify)		
	Total		

**8. Feedback of the farmers about the technologies demonstrated and assessed :**

- 1- Vermi Compost
- 2- Soil Health Card
- 3- Azolla Culture
- 4- Trichoderma and Beveria bio agent
- 5- Fruit fly- Pheromone trap
- 6- Drudgery Reduction
- 7- Nutritional garden
- 8- Apiculture

**9. Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:**

Different ICAR Institutions and Universities provide input/ technical support to us whenever demanded by us.

# ACTION PLAN

## **KVK-I SULTANPUR**

(January to December 2023)

### 1. GENERAL INFORMATION ABOUT THE KVK

#### 1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail	Website
Kamla Nehru Krishi Vigyan Kendra, PO-KNI, Dist.-Sultanpur PIN-228118	Office	FAX	kvksln@gmail.com	www.knmt.org.in
	05362-220249	241733		

#### 1.2 .a. Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail	Website
	Office	FAX		
Kamla Nehru Memorial Trust Sultanpur (UP) PIN-228 118	05362-220249	241733	knmtsln@yahoo.co.in	www.knmt.org.in

1.2. b. Status of KVK website: Yes/No **Yes**

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :- 42518





1.2.d. Status of ICT lab at your KVK :- **Yes**

#### 1.3. Name of the Sr. Scientist/Head with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. J.B.Singh	05362- 220249, 241733	9415368976	kvksln@gmail.com

1.4. Year of sanction:- **1976**

#### 1.5 Staff Position (As on January, 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Sr.Scientist/ Head	Dr. J.B.Singh	S.S./Head	Ag. Extl.	131400-216600	156900	08/12/2016	Permanent	Others	94153 68976	singhjb20@gmail.com	
2	SMS	Sri S.P. Mishra	SMS	FF	56100-177500	107500	28-10-96	Permanent	Others	95062 02718	spmishrakvk@gmail.com	
3	SMS	Dr. R. K. Singh	SMS	Hort.	56100-177500	73200	20-11-12	Permanent	Others	97945 90474	rksinghkvk1976@gmail.com	
4	SMS	Dr. A. K. Singh	SMS	Agro.	56100-177500	73200	20-11-12	Permanent	Others	97216 51108	aksinghkvkln@gmail.com	

5	SMS	Dr. C.K. Tripathi	SMS	Ag.Ext.	56100-177500	69000	17-04-14	Permanent	Others	94156 69378	cktripathifzd@gmail.com	
6	SMS	Dr. Diwakar Verma	SMS	Vet. Science	56100-177500	56100	01-04-22	Probation	OBC	62644 19035	Diwakarverma.10@gmail.com	
7	PA	Smt. Neena Saxena	PA	H.Sc	35400-112400	83600	10-11-88	Permanent	Others	94513 88147	kvksln@gmail.com	
8	PA	Sri Basant Kumar Vishwakarma	PA	Com. Prg.	35400-112400	47600	03-01-13	Permanent	OBC	94520 51101	basantkv@gmail.com	
9	Asst. / Actt.	Sri Mohsin Khan	Asst. / Actt.	Others	35400-112400	43600	01-07-2016	Permanent	Others	91615 09653	knmtmohsin@gmail.com	
10	Farm Manager	Sri Ravi Raghuvanshi	Farm Manager	Others	35400-112400	39900	17-09-2018	Probation	Others	91936 18656	raghuvanshir969@gmail.com	
11	P.A. (Lab Technician)	Sri Rohit Singh	P.A. (Lab Technician)	Other	35400-112400	35400	11-10-2021	Probation	Others	87651 99933	Devilrohit1@gmail.com	
12	OA / Steno	Sri Kaushal Kumar Mishra	OA / Steno	Others	25500-81100	31400	01-09-2015	Permanent	Others	96968 80777	kkmishrakvk@gmail.com	
13	Driver	Sri Atul Kumar Singh	Driver	Others	21700-69100	26800	01-09-15	Permanent	Others	94530 09189	singhatul107@gmail.com	
14	Driver											
15	SSS	Sri S.K.Singh	SSS	Others	18000-56900	33400	29-04-80	Permanent	Others	73886 93062	kvksln@gmail.com	





## 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

Mixed and diversified farming is the major system in the district. These systems are directly co-related with physiographic situations, land capability, irrigation facilities as well as land holding, size of the farming community. Rice-wheat is the major crop rotation followed by pulses, oilseed, vegetables, sugarcane, millets etc. Next to crop production, live-stock is another enterprise, which is widely adopted among the farmers. Variation in farming system is also observed with the variation of agro-ecological situation. Broadly, six agro-ecological situations have been identified in the district. The details of each situation is given as under:-

### Farming System/ Enterprise

	Particulars	Farming System
AES-1	Productive plain land under Canal and tube-well irrigation.	
a.	Main branch + Tube-well.	Specialized farming i.e. Rice, Wheat/Potato. Urd/ Moong, Sugarcane supported by buffaloes. Vegetables crops, Fruit crops
b.	Minor canal +Tube-well	Rice, Pigeonpea +Urd +Sesame, vegetables, Wheat, Gram+ Mustard, Pea horticultural crops with cows / buffaloes.
AES-2	Productive plain land under tube-well irrigation	Mixed and diversified farming i.e. Rice,Wheat, Pigeon pea +Jowar + Sesame, Urd/ Moong, fodder crops, vegetables and horticultural crops, Wheat, Gram, Pea, Mustard, Toria with few cows and buffaloes.
AES-3	Sodic land under canal +tube-well irrigation	Rice, Wheat/ Mustard, vegetables and other horticultural crops, Pigeon pea +Jowar, and some other crops are growing in pockets with few local cows / buffaloes and goats.
AES-4	Waterlogged area under canal and Tube-well irrigation.	Rice, Wheat, Mustard, Lentil, Gram, Pea, vegetables in pockets, fodder crops and other horticultural trees with few cows and buffaloes.
AES-5	Eroded cultivable land under Tube-well irrigation.	Rice, Pigeon pea +jowar + Sesame / urd/ moong, maize, jowar as fodder. Wheat/ Barley, Gram + Mustard, Peas, Lentil, vegetables and other horticultural trees with few cows, buffaloes, goats and sheep.
AES-6	Rainfed-eroded cultivable land and ravines.	Pigeon pea +Jowar + Sesame /Urd, Maize. jowar as fodder crops, millets, Barley / Wheat. Gram, Pea, Lentil mixed with Mustard. kharif vegetables, fruits and other forest trees with cows/ buffaloes and goats.

## 2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. N.	Agro-climatic Zone	Characteristics
1.	Eastern Plain Zone	Soil-light alluvial, loam, sandy loam, calcareous and clay situation and crop, live stock- productive plane land, salt affected ravenous, flood affected, irrigated through canal, tube wells with rice and wheat based cropping system followed by pulses, oil seeds, live stock production and horticultural crops
	AES-1 & 2	<b>A.</b> Plain land, productive, temporary water logged situation in canal area. Clay to clay loom, loam soil irrigated. <b>B.</b> Rice wheat is major crop rotation followed by pulses, oil seeds, horticultural crops, live- stock etc.
2	AES-3	Salt affected soil, clay to clay loam, poor in N & Zn, crop restricted to rice wheat , vegetables, fruit crops specially Aonla, live -stock is secondary enterprise.
3	AES-4	Sub merged condition during rain with clay-to-clay loam soil, crop restricted to rice and wheat followed by vegetables and live-stock production.
	AES-5 & 6	Undulated land with light textured soil, major crop restricted to pulses, millets, oil seed, rice, wheat and live-stock production. Ravenous area covered with perennial wild grasses. Major area under rainfed followed by assured irrigation.

## 3 Soil type/s :

S. N.	Soil Type	Characteristics	Area (in ha)
1	Sandy loam	Plain productive, major area under irrigation. Major crops are rice, wheat, jowar, pigeon pea, chick pea, field pea, lentil, urd, vegetable crop, sugarcane and livestock production	68798
2	Loam	Plain productive, some of the area under waterlog major area are irrigated. Major crops are rice wheat, chick pea , field pea, sugarcane, vegetables etc.	193742
3	Clay	Compact in nature major area under temporary water log. Major crops are rice wheat followed by vegetables and live stock production	68798
4	Sandy	Loose textured , partially irrigated, rainfed condition, ravenous area eroded with perennial wild grasses , major crops are wheat, pigeon pea, urd, moong, vegetables and livestock	193742

	production.	
		525080

Source : ATMA, SREP Agriculture Department, Sultanpur

#### 2.4 Area, Production and Productivity of major crops cultivated in the District

S. N.	Crop	Area (ha.)	Production (MT)	Productivity (q/ha.)
1	Rice	95,969	3,06,621	31.95
2	Wheat	1,14,555	4,61,653	40.3
3	Barley	766	2180	28.46
4	Jowar	4371	3166	7.24
5	Bajra	134	264	19.37
6	Maize	4365	7414	16.87
7	Urd	1559	718	4.08
8	Lentil	4967	5280	10.63
9	Chickpea	1967	1483	7.54
10	Field pea	5450	8006	14.69
11	Pigeon pea	5055	3437	6.8
12	Mustard	2875	2356	8.19
13	Sesame	281	83	2.95
14	Groundnut	24	24	10.13
15	Minor millets	7	5	7.14

#### 2.5 Weather Data -

Month	Rainfall (mm)	Mean Temperature °C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum

#### 2.6 Production and Productivity of Livestock, Poultry, Fisheries etc. in the district (2022)

Category	Population	Production*	Productivity*
<b>CATTLE</b>			
Crossbred	124592	----	----
Indigenous	235114		
BUFFALO	334869	----	----
<b>SHEEP</b>			
Crossbred	<b>660</b>	----	----
Indigenous	20102		
GOATS	195700	----	----
<b>PIGS</b>			
Crossbred	196	----	----
Indigenous	2115		
<b>POULTRY</b>			
Fish (Reservoir)	367 ha.		

#### 2.7 Details of Operational area / Villages

S. N.	Tahsil	Name of the Block	Name of the Village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	2	3	4	5	6	7
1.	Sadar	Kurebhar	Kurebhar	Rice Wheat Vegetables	Low productivity, incidence of insects, diseases and weeds, poor soil health due to lack of organic carbon. Deficiency of Zn and S use of late variety of rice in midland condition use of their own	Improvement. Of soil health, use of high yielding variety. According to agro eco system, promotion of INM and IPM, diversification of crop to break mono cropping.
			Sirwara	Paddy, wheat		
			Purkhipur	Paddy, Wheat Vegetables Pulse, Oil Seed		
			Karibahar	Rice-wheat, vegetable & food		
			Patna	Paddy, wheat, vegetable, Pulse, Animal Husbandry		
			Basaudhi	Paddy, wheat, vegetable		
			Katghara	Paddy, wheat		
			ChandpurSaido Patti	Paddy, wheat, pulse, Oil Seed, Animal Husbandry, Goatry		
Mahilo	Paddy, wheat, oil seed, pulse					

			Ichhuri	Vegetables + Pulse , Potato + Pulses, Dairy, Goatery, Rice, Wheat, Pulse	seed	
			Banmai	Sugarcane, Pulse, Rice, Wheat		
			Dautpur	Rice wheat, Goatery		
			Kadipur	Pulse, Rice, Wheat, Oil Seed		
			Darwa	Rice ,Wheat		
			KudaranGalbah a	Paddy,wheat, pulse,Sugercane	Moderate Sodic Soil, Deficient in Organic C, Zn, S, Low productivity, Occurrence of weed, Infestation of insect and disease, Poor health of Animals	
			Dakhinwara	Sugarcane, Paddy, Wheat, Vegetable, Pulses & Oil seed		
			Itkauli	Paddy, Wheat, Vegetables, Pulses & Oil Seed		
			Tiyari	Pulses, Wheat, Oilseed, Vegetables		
2.	Jaisinghpur	Jaisinghpur	Hayat Nagar	Wheat, Pulse, Sugarcane	Low productivity, incidence of insects, diseases and weeds, poor soil health due to lack of O.C. Deficiency of Zn and S use of late variety of rice in midland condition use of their own seed	Improvement of soil health, use of high yielding variety according to agro eco system, promotion of INM and IPM, diversification of crop to break mono cropping.
			Madhuban	Wheat, Oil Seeds		
			Ishhaqpur	Paddy,wheat		
			Belhari	Arhar, Pea, Lentil, Paddy, Wheat, Millets		
			Kashmau	Paddy, Wheat, Vegetables, Sugarcane, Pulses		
			Ahirauli			
			Misrauli			
			Bhabhot	Sugarcane, Paddy, Dairy, Vegetables		
			Mahadevpur	Sugarcane, Paddy, Wheat, Pulses		
			Inayatpur			
			Athaisi			
			Manikpur	Paddy, Wheat, Vegetables, Sugarcane, Paddy, Wheat, Animal Husbandry		
			Purushottampur			
			Chorma	Paddy, Wheat, Mustard		
			Dhudhu			
			Pahadpur	Paddy, Wheat, Pea, Lentil	Moderate sodic soil, Heavy weed infestation, High insidence of shoot and top borar in sugarcane, soil health problem due to water stagnation	Improvement of soil health by the application of organic matter and gypsum, Use of HYV and pest tolerant cultivars, water management
			Dharsauli			
			Motigarapur	Paddy, Wheat, Pigeon pea, Mustard		
			Mahmoodpur	Sugarcane, Paddy, Wheat, Mustard, Urd		
			Karmanjeetpur			
			Gayapur	Paddy, Pigeon pea, Wheat, Mustard		
			Baburahi			
			Mairisangram			
			Mairi Ranjeet			
			Hansapur			
			Chauhanpur			
3	Kadipur	Dostpur	PipraBhawanipur	Gram, Lentil, Paddy, Wheat	Low productivity, incidence of insects, diseases and weeds, poor soil health due to lack of O.C. Deficiency of Zn and S use of late variety of rice in midland condition use of their own seed	Improvement of soil health, use of high yielding variety according to agro eco system, promotion of INM and IPM, diversification of crop to break mono cropping.
			Hadai	Paddy, Wheat		
			Gosaisinghpur	Sugarcane, Pulses, Oilseed, Paddy, Wheat		
			Kanakpur			
			Saraiya			
			Danu Patti	Paddy, Wheat		
			Pahadpur			
			Surharpur	Sugarcane, Pulse, Oilseed		
			Bariyarpur	Paddy, Wheat, Lentil, Mustard		
			Jajrahi			
			Jamalpur			
			Dhema			
		Akhandnagar	Udali	Pulses, Oil Seed, Paddy, Wheat,	Problem of sodicity, poor yield	Selection of proper variety, sowing time,

			Marui	Paddy, Wheat Oilseed, Pulses	incidence of weeds, insects and diseases, deficiency of Zn and N	frequent and light irrigation, application of Zn. and sulphur and application of soluble NPK in Pulse and Oilseed, IPM in Paddy and Pulses
			Alipur	Pulses, Oil Seed, Paddy, Wheat,		
			Sansarpatti	Sugarcane, Oil Seed, Paddy, Wheat		
			Lorpur			
			Hakimpur			
			Nagri	Paddy, Wheat, Mustard, Betel wine		
			Kalan			
			Belhara			
			Jagdishpur	Pigeon Pea, Paddy, Gram, Mustard, Pea, Sugarcane, Animal Husbandry		
			Baramadpur			
			Bhiura			
			KundaBhairopur			
		Kadipur	Raibigo	Pulses, Oilseed, Paddy, Wheat	Water stagnation in canal area, incidence of pest and disease in paddy and sugarcane, Low productivity due to imbalance use of fertilizer, Use of no / litil organic matter in the soil	Plantation of trees near canal areas, IPM module for past management, application of soluble NPK in pulse, IPM in paddy, Sugarcane and pulses
			Bankegaon	Paddy, Wheat, Fish, Sesame		
			Laxmanpur	Vegetable, Paddy, Wheat, Lentil		
			Gaurabibipur	Sugarcane, Dairy, Fishries		
			Jagdishpur	Vegetable, Paddy, Wheat		
			Mangrawan	Sugarcane, Poultry, Paddy, Wheat		
			Katsari	Pulses, Oilseed, Paddy, Wheat		
			T P Nagara	Sugarcane, Oilseed, Paddy, Wheat		
		Bajrang Nagar				
		Karaudi kala	GopalpurSaraiKhwaja	Sugarcane, Paddy, Wheat, Urd, Pigeon Pea, Mustard	Low productivity and low nutrient availability due to sandy loam soil and low organic matter, problem of wild and stray cattle, insect and weed problem in old and new orchard	Recommends to apply FYM/NADAP compost ones in a year, balance use of nutrient specially soluble fertilizer, use of bio fertilizer in pulses and cereal, IPM in vegetable and trees of orchard, bio-fencing and wire fencing recommendation
			Pakadpur			
			Bahauddinpur			
			BagarKhurd	Paddy, Pigeon pea,		
			Dhasghar Para	Paddy, Wheat, Urd, Sesame, Til		
			Hariharpur	Wheat, Paddy, Lentil, Mustard, Pigeon pea,		
			Karauddikala	Wheat, Paddy, Jwar, Bajra, Maize		
			Mewapur	Paddy, Wheat		
			Rawaniya	Sugarcane, Pea, Mustard, Gram, Paddy, Wheat		
			Sahabuddinpur	Paddy, Wheat, Mustard, Lentil		
			Amremau			
		Bahauddinpur	Paddy, Wheat, Pigeon Pea, Gram, Lentil			

## 2.8 Priority Thrust Area

S N.	Thrust Area
1	Improvement of productivity of crop, fruits, and vegetables with the introduction of HYV, Hybrid varieties, latest management technology and package of practices.
2	Breed improvement, health care and feeding management in livestock.
3	Promotion of natural farming, improvement of soil health and minimizing of chemical use.
4	Promotion of integrated farming system for doubling farmers income and employment.
5	Management of farming practice in rain fed area.
6	Crop Diversification and introduction of high value crops in adopted village.
7	Soil and Water Management and Promotion of INM/IPM.

8	Promotion of fortified cultivars of cereal, millets, Pulses, vegetables and fruit crops.
9	Reduction in post-harvest losses and promotion of value addition.
10	Women empowerment, Promotion of Income generation activities.
11	Swachha Bharat Mission – NADEP and vermicompost.
12	Capacity Building/ Skill development programme for entrepreneurship development and employment of rural youth.

### 3. TECHNICAL PROGRAMME

#### 3. A. Details of targeted mandatory activities by KVK

OFT (1)		FLD (2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
11	44	33.6	157

Training (3)		Extension Activities (4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
118	2075	380	9878
Seed Production (q.) (5)	Planting material (No.) (6)	Fish seed prod. (No) (7)	Soil Samples (8)
200	20000	00	300

#### 3. B. Abstract of interventions to be undertaken:-

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	To improve the productivity of crop & soil health To minimize the insects and diseases occurrence To minimize the weed infestation	Paddy	Poor soil health due to continuous mono cropping Deficiency symptoms of Zn. Incidence of insects diseases and weeds	To assess the effect of INM on seed yield of Paddy	HYV, IWM, IPM,	Weed control & Plant protection measures and INM	As per Need	Group meeting Field day,	Seed, fertilizer, Pesticide and weedicide
2	To improve productivity and profitability of Chickpea	Chickpea	Heavy weed infestation & Disease incidence	<ul style="list-style-type: none"> <li>Low yield of chickpea due to heavy infestation of pod borer</li> <li>Assessment of bio-NPK on yield of chickpea</li> </ul>	HYV Seed, Seed treatment, IWM, IPM	IWM, Plant protection measures	As per need	Group meeting field day	Seed, fertilizer, Pesticide and weedicide
3	To improve productivity and profitability of mustard	Mustard	Low profitability & disease incidence	Low yield of mustard, imbalance use of fertilizer, no use of micro nutrients in mustard.	HYV Seed, Seed treatment, IPM	Plant protection measures	As per Need	Group meeting Field day,	Seed, fertilizer, Pesticide

4	To improve productivity and profitability of Chickpea	Wheat	Poor soil health due to continuous mono cropping Deficiency symptoms of Zn. Incidence of insects diseases and weeds	<ul style="list-style-type: none"> <li>To asses effect of INM on productivity of Wheat.</li> <li>Weedicide combination on productivity of Wheat</li> </ul>	HYV, IWM, IPM,	Weed control & Plant protection measures and INM	As per Need	Field days and Group meeting	Seed, fertilizer, Pesticide and weedicide
5	Improvement of productivity and profitability.	onion	Heavy infestation of disease cause small bulb size, low productivity and low income per unit of area	IPM on Bacterial spot rot of Onion	-	Plant protection measures	As per need	Field days and Group meeting	Seed, IPM
6	To improve productivity and profitability of cauliflower	Cauliflower	Heavy infestation of disease, low productivity and income per unit area	IDM on productivity of Cauliflower	-	Plant protection measures	As per Need	Field days and Group meeting	Seed, IPM
7	To improve productivity and profitability	Vermi compost	Poor soil health due to continuous mono cropping Deficiency symptoms of Zn. Incidence of insects diseases and weeds		-	INM	As per need	Field day/ farmers meeting,	INM
8	To improve productivity and profitability	Sesamum	Heavy infestation of weed, low productivity and income per unit area	-	Seed, INM, IWM	HYV seed	As per need	Field day/ farmers meeting,	Seed, fertilizer, Pesticide and weedicide
9	To improve productivity and profitability	Pigeon pea	Heavy infestation of weed, low productivity and income per unit area	-	Seed, INM, IWM, IPM	HYV seed			Seed, fertilizer, Pesticide and weedicide
10	To improve productivity, profitability and incidence of pest and disease	Brinjal	Heavy infestation of shoot and fruit borer, low productivity and low income per unit area	-	HYV seed, Seed treatment, IPM	HYV seed	As per Need	Field day , Group Meeting	Seed, pesticide

11	To improve productivity, profitability and incidence of pest and disease	Chilli	Heavy infestation of leaf curling, low productivity and low income per unit area	-	HYV seed, Seed treatment, IPM	HYV seed			Seed, pesticide
12	To improve productivity, profitability and incidence of pest and disease	Veg. Pea	Low profitability & Productivity	-	HYV seed, Seed treatment, INM	HYV seed			Seed, pesticide
13	To improve productivity and profitability	Bajra	Low profitability & Productivity	-	HYV seed, Seed treatment, Weedicide INM	Weed control & Plant protection measures and INM	As per Need	Field day Group Meeting	Seed, fertilizer, Pesticide and weedicide
14	To improve productivity and profitability	Fieldpea	Low productivity, Imbalance dose of fertilizer, Incidence of pest and disease, Weed Infestation and no substantial irrigation, No use of bio-fertilizer	-	HYV seed, seed treatment, use of IWM, INM	Weed control & Plant protection measures and INM	As per Need	Field day/ farmers meeting..	Seed, fertilizer, Pesticide and weedicide
15	To improve productivity and profitability	Lentil	Low productivity, Imbalance dose of fertilizer, Incidence of pest and disease, Weed Infestation and no substantial irrigation, No use of bio-fertilizer	-	HYV seed, seed treatment, use of IWM, INM	Weed control & Plant protection measures and INM	As per need	MahilaKisanDiwas	Seed, fertilizer, Pesticide and weedicide
16	To improve productivity and profitability	Urdbean/Mungbean	Low profitability & Productivity	-	HYV seed, , use of IWM, INM, IPM	Weed control & Plant protection measures and INM	As per need	Group meeting and field day	Seed, fertilizer, Pesticide and weedicide
17	To improve productivity and quality of fruit and vegetables for domestic need	Vegetable & Fruit	Low productivity, poor quality, extra expenditure on family demand	Use of Vermi Compost in Nutritional Garden.	HYV seed, INM	Plant protection as per need	As per need	Group meeting and field day	Seed, fertilizer, Pesticide and weedicide

18	To improve productivity of crop & soil health	Rice & Wheat	Low profitability & Productivity	Intensification of rice-Wheat cropping system.	-	Weed control & Plant protection measures and INM	As per Need	Group meeting Field day,	Seed, fertiliz er, Pest icide and weedic ide
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### 3.1 Technologies to be assessed and refined

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	2	-	-	-	-	-	-	-	-	2
Integrated Crop Management	1	-	-	-	2	-	-	-	-	3
Integrated Nutrient Management	1	1	-	-	1	-	-	-	-	3
Integrated Pest Management	-	-	1	-	-	-	-	-	-	1
<b>TOTAL</b>	<b>4</b>	<b>1</b>	<b>1</b>		<b>3</b>					<b>9</b>

#### A.2. Abstract on the number of technologies to be refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
<b>TOTAL</b>	-	-	-	-	-	-	-	-	-	-

#### A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Production and Management	1	-	-	-	-	-	-	1
Feed and Fodder	-	-	-	1	-	-	-	1
<b>TOTAL</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>

#### A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitory	Fisheries	TOTAL
<b>TOTAL</b>	-	-	-	-	-	-	-	-

#### A.5. Abstract on the number of technologies to be refined in respect of Home Science

Thematic areas	Child		Adolescent		Women		Men	TOTAL
	Male	Female	Male	Female	Pregnant	Lactating		
<b>TOTAL</b>	-	-	-	-	-	-	-	-

### 3.1 B. Details of On Farm Trials

S.N	Title of OFT	Problem Diagnose	Technology selected	Source of Technology	Production System	Input Required	Parameter
1	Impact of IPM in chickpea	Pod borer infestation in chickpea about 35-50 % and yield loses 30-45%	T <sub>1</sub> : Farmer's practice: Use of Quinalphos @ 1.5 l/ha at time of incidence) T <sub>2</sub> : - IPM module (Seed treatment, Spraying of NPV @ 250 LE/ ha., spraying of NSKE 5% at one week interval and spraying of Indoxacarb 400	IIPR, Kanpur	IPM	Seed, NPV and Indoxacarb	No. of branches and no. of pods per plant, % infestation of pod borer, seed yield and economics.



			ml/ha.)				
2	Introduction of green gram in rice- wheat-fellow system	Low cropping intensity due to rice-wheat fellow	T <sub>1</sub> : Farmers practice: Rice-wheat-fellow (No use of green gram) T <sub>2</sub> : Use of HYV cultivars of green gram after wheat	IIPR, Kanpur	Varietal	Seed, Weedicide	No. of branches per plant, no. of pods per plant, seed yield and economics
3	To assess HYV of Wheat on productivity and profitability	Use of less productive variety of wheat, No use of location specific cultivars	T <sub>1</sub> : Farmer's practice: Use of HD-2967 T <sub>2</sub> : Use of DBW-187 high yielding cultivars	IHWBR, Karnal, Haryana	Varietal	HYV seed, Weedicides	Tillers/m, No. of effective tillers, seed yield and economics
4	Assessment of Jivamrit on tomato	Higher cost of production, high incidence of pest and disease, poor quality in nutrition and test	T1: Farmer practices: Application of N-150 and P-60 kg/ha. T2: Seedling treatment with sanjivani 10% & basal application of jivamirt 500 l/ha. at 0, 20, 40 days after transplanting.	NCOF, Ghaziabad	Natural Farming	Seed, Bijamrit, Sanjivani, Jivamrit	Fruit production per unit area, incidence of pest and disease, economics, self-life of fruit
5	Assessment of Molybdenum on yield of cabbage	Low yield of cabbage due to deficiency of molybdenum	T1: Farmer practices: Application of N-120 and P-80 kg/ha. T2: Basal application of ammonium molybdate @ 2kg/ha. with FYM 200 q/ha. + RDF- N-120, P-60 and K-80 kg/ha.	IIVR, Varanasi	INM	Seed, ammonium molybdate	Average weight of head, production, and economics
6	Assessment of the efficacy of nano urea in rice	Low fertilizer use efficiency, use of higher dose of urea for nitrogen	T <sub>1</sub> : Farmers practice: Use of 200 kg urea/ha. T <sub>2</sub> : 50 % urea as basal +50% nano nitrogen as foliar spray @ 3 ml per liter of water at tillering, panicle initiation and milking stage.	IFFCO	ICM	Seed and nano nitrogen	Tillers per square meter, effective shoot per hil, no. of grain per panicle, grain yield, economics
7	Assessment of Panchgavya on productivity of Paddy	Imbalance use of fertilizer, High cost of production, Higher infestation disease and pest,	T <sub>1</sub> : Farmers practice: Use of N- 200 kg., P-90 kg, Zn- 20 kg/ha. T <sub>2</sub> : RDF 50 % (N-150, P-60, K-40, zn-kg/ ha.) + Panchgavya 3 % at 10, 15, 30, 50 date of transplanting	NCOF, Ghaziabad	INM	Seed, Panchgavya	No. of effective tillers per unit area, grain yield q/ha., Economics
8	Assessment of Jivamrit on productivity of Mustard	Imbalance use of fertilizer in mustard crop, no use of bio-inoculant	T <sub>1</sub> : Farmers practice: DAP- 100, Urea-100 kg/ha. T <sub>2</sub> : Jivamrit 500 liter/ha. with irrigation water + 2 spray of jivamrit (10%) at 30	NCOF, Ghaziabad	INM	Seed, Jivamrit	Seed yield, Incidence of pest and disease, Economics

			and 60 DAS.				
9	Impact of Jivamrit on kitchen garden	Poor quality of produce, Health thread	T <sub>1</sub> : Use of chemical fertilizer T <sub>2</sub> : Natural farming with jivamrit	Gurukulam Kurukshetra, Haryana	-	Gau Mutra, Cow dung, Beshan, Wheat flour	Vegetable production per unit area, Taste and quality of products, Economics
10	Assessment of chelated minerals and vitamins bolus along with busserlin acetate hormone to control infertility in cows	High incidence of infertility in cows (31%)	T1: Farmer Practices (Use of AI only) T2: Daily feed supplement with chelated Mineral mixture @ 50 g/day & vitamin (21 bolus/animal), Busserlin in acetate injection 2 vial of 5 ml for 120 days	NDRI, Karnal, Haryana	LPM	Mineral mixture, Vitamin, Hormonal injection	1-Conception rate, 2- Body score, 3 – Income increase
11	Assessment of body weight gain in Goats by Azolla feeding	Low body weight gain goats due to imbalance feeding	T1: Farmer Practices (Dry fodder @400g+ 6-8 hour grazing /day/Goat) T2: Dry fodder @ 400g + 6-8 hour grazing+ 100g concentrate/day+ 100g Azolla (dry)/day/Goat for 6 month	NDRI, Karnal, Haryana	Goatery feeding management	Azolla, Plastic sheet, nylon net, SSP	Body Weight Gain

#### B. Details of On Farm Trial (Based on soil test)

OFT-1 Under Assessment					
Particulars		Contents			
Title		Impact of IPM in chickpea			
Problem diagnosed		Pod borer infestation in chickpea about 35-50 % and yield losses 30-45%			
Micro farming situation		Irrigated			
Details of technology identified for solution		T <sub>1</sub> : Farmer's practice: Use of Quinalphos @ 1.5 l/ha at time of incidence) T <sub>2</sub> : - IPM module (Seed treatment, Spraying of NPV @ 250 LE/ ha., spraying of NSKE 5% at one week interval and spraying of Indoxacarb 400 ml/ha.)			
No. of farmers		04			
Replications		04			
Critical inputs		Seed, NPV and Indoxacarb			
Production system		IPM			
Source of technology		IIPR, Kanpur			
Observation to be recorded		No. of branches and no. of pods per plant, % infestation of pod borer, seed yield and economics.			
Reaction of the farmers		-			
SN.	Input	Qty.(Kg.)	Rate (Rs.)	Amount (Rs.)	Area (m <sup>2</sup> )
1	Seed	40	100/kg	4000	-
2	NPV	500 ml	1200/l	600	-
3	Indoxacarb	150 ml	300/100 ml	450	-
	<b>Total</b>			<b>5050</b>	<b>4000</b>

OFT- 2 Under Assessment	
Particulars	Contents
Title	Introduction of green gram in rice- wheat-fellow system
Problem diagnosed	Low cropping intensity due to rice-wheat fellow
Micro farming situation	Irrigated
Details of technology identified for solution	T <sub>1</sub> : Farmers practice: Rice-wheat-fellow (No use of green gram) T <sub>2</sub> : Use of HYV cultivars of green gram after wheat

No. of farmers	4				
Replications	4				
Critical inputs	Seed, Weedicide				
Production system	Varietal				
Source of technology	IIPR, Kanpur				
Observation to be recorded	No. of branches per plant, no. of pods per plant, seed yield and economics				
Reaction of the farmers	-				
<b>SN.</b>	<b>Input</b>	<b>Qty.(Kg.)</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>	<b>Area (m<sup>2</sup>)</b>
1	Seed	8	120/ kg.	960	-
2	Imazethapyr	400 ml	2000/-	800	-
	<b>Total</b>			<b>1760</b>	<b>4000</b>

#### OFT-3 Under Assessment

<b>Particulars</b>	<b>Contents</b>				
Title	To assess HYV of Wheat on productivity and profitability				
Problem diagnosed	Use of less productive variety of wheat, No use of location specific cultivars				
Micro farming situation	Irrigated				
Details of technology identified for solution	T <sub>1</sub> : Farmer's practice: Use of HD-2967 T <sub>2</sub> : Use of DBW-187 high yielding cultivars				
No. of farmers	04				
Replications	04				
Critical inputs	HYV seed, Weedicides				
Production system	Varietal				
Source of technology	IIWBR, Karnal, Haryana				
Total Cost	3040				
Observation to be recorded	Tillers/m, No. of effective tillers, seed yield and economics				
Reaction of the farmers					
<b>SN.</b>	<b>Input</b>	<b>Qty.(Kg.)</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>	<b>Area (m<sup>2</sup>)</b>
1	Seed	40	30/-	1200	4000
2	Sulpho +Met sulphuran	16 g	-	400	-
	<b>Total</b>			<b>1600</b>	<b>4000</b>

#### OFT- 4 Under Assessment

<b>Particulars</b>	<b>Contents</b>				
Title	Assessment of Jivamrit on tomato				
Problem diagnosed	Higher cost of production, high incidence of pest and disease, poor quality in nutrition and test				
Micro farming situation	Irrigated				
Details of technology identified for solution	T1: Farmer practices: Application of N-150 and P-60 kg/ha. T2: Seedling treatment with sanjivani 10% & basal application of jivamirt 500 l/ha. at 0, 20, 40 days after transplanting.				
No. of farmers	04				
Replications	04				
Critical inputs	Seed, Bijamrit, Sanjivani, Jivamrit				
Production system	Natural Farming				
Source of technology	NCOF, Ghaziabad				
Observation to be recorded	Fruit production per unit area, incidence of pest and disease, economics, self-life of fruit				
Reaction of the farmers	-				
<b>SN.</b>	<b>Input</b>	<b>Qty.(Kg.)</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>	<b>Area (m<sup>2</sup>)</b>
1	Seed	120 g	360/10 g	4320	-
3	Misc.	-	-	500	-
	<b>Total</b>			<b>4820</b>	<b>2000</b>

#### OFT- 5 Under Assessment

<b>Title</b>	Assessment of Molybdenum on yield of cabbage
<b>Problem diagnosed</b>	Low yield of cabbage due to deficiency of molybdenum
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T1: Farmer practices: Application of N-120 and P-80 kg/ha. T2: Basal application of ammonium molybdate @ 2kg/ ha. with FYM 200 q/ha. + RDF-

	N-120, P-60 and K-80 kg/ha.				
<b>No. of farmers</b>	04				
<b>Replications</b>	04				
<b>Critical inputs</b>	Seed, ammonium molybdate				
<b>Production system</b>	INM				
<b>Source of technology</b>	IIVR, Varanasi				
<b>Observation to be recorded</b>	Average weight of head, production, and economics				
<b>Reaction of the farmers</b>	-				
<b>SN.</b>	<b>Input</b>	<b>Qty. (kg.)</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>	<b>Area (m<sup>2</sup>)</b>
1	Seed	100 g	190/10 g	1900	-
2	Ammonium molybdate	500 g	2000/ kg	1000	-
	Total			2900	2000

#### OFT- 6 Under Assessment

<b>Particulars</b>	<b>Contents</b>				
Title	Assessment of the efficacy of nano urea in rice				
Problem diagnosed	Low fertilizer use efficiency, use of higher dose of urea for nitrogen				
Micro farming situation	Irrigated				
Details of technology identified for solution	T <sub>1</sub> : Farmers practice: Use of 200 kg urea/ ha. T <sub>2</sub> : 50 % urea as basal +50% nano nitrogen as foliar spray @3 ml per liter of water at tillering, panicle initiation and milking stage.				
No. of farmers	4				
Replications	4				
Critical inputs	Seed and nano nitrogen				
Production system	ICM				
Source of technology	IFFCO				
Observation to be recorded	Tillers per square meter, effective shoot per hil, no. of grain per panicle, grain yield, economics				
Reaction of the farmers	-				
<b>SN.</b>	<b>Input</b>	<b>Qty.(Kg.)</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>	<b>Area (m<sup>2</sup>)</b>
1	Seed	16	100	1600	-
2	Nano nitrogen	2 L	500/1	1000	-
	Total			2600.00	4000

#### OFT- 7 Under Assessment

<b>Particulars</b>	<b>Contents</b>				
Title	Assessment of Panchgavya on productivity of Paddy				
Problem diagnosed	Imbalance use of fertilizer, High cost of production, Higher infestation disease and pest,				
Micro farming situation	Irrigated				
Details of technology identified for solution	T <sub>1</sub> : Farmers practice: Use of N- 200 kg., P- 90 kg, Zn- 20 kg/ha. T <sub>2</sub> : RDF 50 % (N-150, P-60, K-40, zn-kg/ ha.) + Panchgavya 3 % at 10, 15, 30, 50 date of transplanting				
No. of farmers	4				
Replications	4				
Critical inputs	Seed, Panchgavya				
Production system	INM				
Source of technology	NCOF, Ghaziabad				
Observation to be recorded	No. of effective trillars per unit area, grain yield q/ha., Economics				
Reaction of the farmers	-				
<b>SN.</b>	<b>Input</b>	<b>Qty.(Kg.)</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>	<b>Area (m<sup>2</sup>)</b>
1	Seed	16	120/kg	1920	4000
2	Panchgavya	50 l	10/-	500	
	Total			2420	4000

**OFT- 8 Under Assessment**

Particulars		Contents			
Title		Assessment of Jivamrit on productivity of Mustard			
Problem diagnosed		Imbalance use of fertilizer in mustard crop, no use of bio-inoculant (Jivamrit)			
Micro farming situation		Irrigated			
Details of technology identified for solution		T <sub>1</sub> : Farmers practice: DAP- 100, Urea-100 kg/ha. T <sub>2</sub> :Jivamrit 500 liter/ ha. with irrigation water + 2 spray of jivamrit (3%) at 30 and 60 DAS.			
No. of farmers		4			
Replications		4			
Critical inputs		Seed, Jivamrit			
Production system		INM			
Source of technology		NCOF, Ghaziabad			
Observation to be recorded		Seed yield, Incidence of pest and disease, Economics			
Reaction of the farmers		-			
SN.	Input	Qty.(Kg.)	Rate (Rs.)	Amount (Rs.)	Area (m <sup>2</sup> )
1	Seed	2.0	150/kg	300.00	4000
2	Jivamrit	200 l	10/-	2000.00	
	Total			<b>2300</b>	<b>4000</b>

**OFT- 9 Under Assessment**

Particulars		Contents			
Title		Impact of Jivamrit on kitchen garden			
Problem diagnosed		Poor quality of produce, Health thread			
Micro farming situation		-			
Details of technology identified for solution		T <sub>1</sub> :Use of chemical fertilizer T <sub>2</sub> : Natural farming with jivamrit			
No. of farmers		4			
Replications		4			
Critical inputs		Gau Mutra, Cow dung, Beshan, Wheat flour			
Production system		-			
Source of technology		Gurukulam Kurukshetra, Haryana			
Observation to be recorded		<ul style="list-style-type: none"> <li>Vegetable production per unit area</li> <li>Taste and quality of products</li> <li>Economics</li> </ul>			
Reaction of the farmers		-			
SN.	Input	Qty.(Kg.)	Rate (Rs.)	Amount (Rs.)	No. of beneficiaries
1	Gau Mutra	40 L	-	-	04
2	Cow dung	40	-	-	-
3	Beshan	8	100/kg	800	
4	Wheat flour	8	32/kg	256	
	Total			<b>1056</b>	<b>04</b>

**OFT- 10 Under Assessment**

Particulars		Contents			
Title		Assessment of chelated minerals and vitamins bolus along with busserlin acetate hormone to control infertility in cows			
Problem diagnosed		High incidence of infertility in cows (31%)			
Micro farming situation		Irrigated			
Details of technology identified for solution		T1: Farmer Practices (Use of AI only) T2: Daily feed supplement with chelated Mineral mixture @ 50 g/day & vitamin (21 bolus/animal),Busserlin acetate injection 2 vial of 5 ml for 120 days			
No. of farmers		05			
Replications		05			
Critical inputs		Mineral mixture, Vitamin, Hormonal injection			
Production system		LPM			
Source of technology		NDRI, Karnal, Haryana			
Total cost		10340.00			
Observation to be recorded		1-Conception rate ,2- Body score ,3 – Income increase			
Reaction of the farmers		-			

SN.	Input	Qty.(Kg.)	Rate (Rs.)	Amount (Rs.)	No. of beneficiaries
1	Mineral mixture	30	200/-	6000.00	05
2	Vitamin	105 bolus	8/-	840.00	-
3	Buserelin acetate injection	50 ml	700/ 10 ml	3500.00	
	Total			<b>10340.00</b>	<b>05</b>

#### OFT- 11 Under Assessment

Particulars		Contents			
Title		Assessment of body weight gain in Goats by Azolla feeding			
Problem diagnosed		Low body weight gain goats due to imbalance feeding			
Micro farming situation		Irrigated			
Details of technology identified for solution		T1: Farmer Practices (Dry fodder @400g+ 6-8 hour grazing /day/Goat) T2: Dry fodder @ 400g +6-8 hour grazing+ 100g concentrate/day+ 100g Azolla (dry)/day/Goat for 6 month			
No. of farmers		05			
Replications		05			
Critical inputs		Azola, Plastic sheet, nylon net, SSP			
Production system		Goatery feeding management			
Source of technology		NDRI, Karnal, Haryana			
Total cost		1191.5			
Observation to be recorded		Body Weight Gain			
Reaction of the farmers		-			
SN.	Input	Qty.(Kg.)	Rate (Rs.)	Amount (Rs.)	No. of beneficiaries
1	Azolla	5	100/-	500.00	05
2	Plastic sheet	26 m	15/-	390.00	-
3	Nylon sheet	2 m2	150/m2	300.00	
4	SSP	100 g	15/kg	1.50	
	Total			<b>1191.05</b>	<b>05</b>

#### Total Cost of OFT

O.F.T.		Cost (Rs.)
O.F.T.-1	Impact of IPM in chickpea	5050
O.F.T.-2	Introduction of green gram in rice- wheat-fallow system	1760
O.F.T.-3	To assess HYV of Wheat on productivity and profitability	1600
O.F.T.-4	Assessment of Jivamrit on tomato	4820
O.F.T.-5	Assessment of Molybednum on yield of cabbage	2900
O.F.T.-6	Assessment of the efficacy of nano urea in rice	2600
O.F.T.-7	Assessment of Panchgavya on productivity of Paddy	2420
O.F.T.-8	Assessment of Jivamrit on productivity of Mustard	2300
O.F.T.-9	Impact of Jivamrit on kitchen garden	1056
O.F.T.-10	Assessment of chelated minerals and vitamins bolus along with busserlin acetate hormone to control infertility in cows	10340
O.F.T.-11	Assessment of body weight gain in Goats by Azolla feeding	1191.5
<b>Total</b>		

## 2. Frontline Demonstrations

### A. Details of FLDs to be organized -

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
1	Seasamum	RT-351	ICM	Hy. seeds, fertilizer, weedicide	Seed,weedicide (Pendimethalin 3.3 l/ha), fertilizer (NPK,18:18:18)	Kharif-2023	2.0	8	Productivity & economics

2	Pigeon pea	IPA-203	ICM	Seed ,weedicide, PP, Bio-fertilizer	Seed,weedicide (Pendimethalin 3.3 l/ha), trychoderma for seed treatment, PP as per need	Kharif-2023	2.0	8	Productivity & economics
3	Paddy	DRR-45, NDR-2065, CRD- 310	ICM	Seed, weedicide,PP	Seed,weedicide (Pretilachlor, 1.5 l/ha),PP as per need	Kharif-2023	5.0	18	Productivity & economics
4	Millets	Dhanshakti, HHB-299 Maize Shaktiman-5, Pusa- HM9 Pro-303	ICM	Seed, fertilizer, weedicide	Seed,fertilizer ,weedicide(Attrazine 1.5 kg/ha)	Kharif-2023	2.0	8	Productivity & economics/ dry fodder
	Seed, fertilizer, weedicide			Seed,fertilizer ,weedicide(Attrazine 1.5 kg/ha)	Kharif-2023	2.0	8	Productivity & economics/ dry fodder	
5	Wheat	DBW-187, 222, 303, NW-5052 WB-02, HPBW-01	ICM	Seed, weedicide, Bio fertilizer, Liquid fertilizer	Seed,weedicide(Sulpho + Met 40g/ha)	Rabi- 2023	5.0	15	Productivity & economics
6	Barley	DWRB-182, 137, K-1055	ICM	Seed, weedicide, Bio fertilizer, Liquid fertilizer	Seed, weedicide (Sulpho + Met 40g/ha)	Rabi- 2023	5.0	15	Productivity & economics
6	Field Pea	IPFD10-12, 13-2, 12-8, HFP-1428	ICM	Seed, weedicide, Bio-fertilizer	Seed, weedicide (Pendimethalin 3.3 l/ha),Bio-fertilizer PP	Rabi- 2023	2.0	8	Productivity & economics
7	Chick pea	GNG-2144, 2207 BG-3062, IPC-2004, 2005, JG-24,	ICM	Seed,Bio-fertilizer, weedicide	Seed,Bio-fertilizer, Weedicide (Pendimethalin3.3 l/ha),	Rabi- 2023	2.0	8	Productivity & economics
8	Lentil	IPL-220, Pusa Ageti IPL-315, 321, Shekhar-5 RKL-14-20,	ICM	Seed, Bio-fertilizer, weedicide Liquid fertilizer	Seed,Bio-fertilizer, Weedicide(Pendimethalin 3.3 l/ha), Liquid fertilizer	Rabi- 2023	2.0	8	Productivity & economics
9	Mustard	CS-58, 60 RH-725, 749 PM-30, 31, 32	ICM	Seed, Bio-fertilizer, PP	Seed, Bio-fertilizer, PP as per needs	Rabi- 2023	2.0	8	Productivity & economics
10	Urd/ Moong	IPU-11-2, IPU- 12-26 IPM- 205, 312, 409	ICM	Seed ,weedicide, PP, Bio-fertilizer	Seed,weedicide (Pendimethalin 3.3 l/ha), Bio-fertilizer PP as per need	Zaid 2023	2.0	8	Productivity & economics

Vegetable									
11	Brinjal	KashiUttam/ KashiTarau	ICM	Treatsd seedling, Bio-insecticide,Bio-fertilizer	Seedling, Bio-fertilizer, PP	Kharif - 2023	0.20	10	Productivity & economics
12	Chilli	KashiAnmol/ KashiTej	ICM	Treatsd seedling, Bio-insecticide,Bio-fertilizer	Seedling, Bio-fertilizer, PP	Kharif - 2023	0.20	10	Productivity & economics
13	Tomato	Kashi Amul	ICM	Seed & seedling treatment, Bio-fertilizer	Seed treatment, Bio-fertilizer, PP	Rabi- 2023	0.20	10	Productivity & economics
Agro Forestry									
14	Mehndi	Sojat - 22	ICM	Seedling, Bio-fertilizer	Sapling, Bio-fertilizer	Zaid 2023	1000 No.	07	Productivity & economics
							<b>33.6</b>	<b>157</b>	

**Sponsored Demonstration**

Crop	Area (ha)	No. of farmers
Paddy (Pvt. Seed Company)	As Per sponsored-	-
Bajra (Bayer -Pvt.)	-	-
Wheat (IIWR-Karnal)	-	-
Mustard (Bayer -Pvt.) Varietal	-	-

**B. Extension and Training activities under FLDs**

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	10	April,Sept.Oct.Feb.,Mar.	252
2	Farmers Training	10	April, Sept.Oct.Feb.,Mar	218
3	Media coverage	10	April, Sept.Oct.Feb.,Mar	-
4	Training for extension functionaries	4	June,Sept.,Oct.,Feb.	56

**C. Details of FLD on Enterprises****(i) Farm Implements**

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
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**(ii) Livestock Enterprises**

Enterprise	Breed/ Var.	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
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**(iii) Home Science/Women empowerment**

Sl. No.	Name of the	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha) / No.	No. of farmers/ demonstration	Parameters identified/ Performance parameters / indicators
1	Tomato Processing	Processing and preservation, skill training	Efficient use of surplus Tomato	Preservative and spices	2023	-	10	No. of recopies as <i>Peuri</i> , <i>sauce</i> , <i>Chatany</i>
2	Fortification and mixing of locally available food stuffs	Fortification and mixing	To enhance nutritive value	Food stuffs and ingredients	2023	-	10	No. of recopies as a <i>paustikLaddo</i> , <i>Barfi</i> and <i>Sattu</i>



### 3. Training (Including the sponsored and FLD training programmes):

#### A) ON Campus

Thematic Area	No. of Course	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1	12	2	14	2	2	4	18
Resource Conservation Technologies	1	11	3	14	2	2	4	18
Crop Diversification	1	12	2	14	2	2	4	18
Integrated Farming	1	15	3	18	2	-	2	20
<b>TOTAL</b>	<b>4</b>	<b>50</b>	<b>10</b>	<b>60</b>	<b>8</b>	<b>6</b>	<b>14</b>	<b>74</b>
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Off-season vegetables/Early vegetable crop production	1	18	-	18	2	-	2	20
Nursery raising	1	13	-	13	2	-	2	15
Plant propagation techniques	1	15	-	15	-	-	-	15
Production and Management technology	1	18	-	18	2	-	2	20
Production and Management technology	1	13	-	13	2	-	2	15
<b>Total</b>	<b>5</b>	<b>77</b>		<b>77</b>	<b>8</b>		<b>8</b>	<b>85</b>
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	12	-	12	3	-	3	15
Soil and Water Conservation	1	13	-	13	-	2	2	15
Integrated Nutrient Management	1	15	2	17	3	-	3	20
Management of Problematic soils	1	13	-	13	2	-	2	15
<b>TOTAL</b>	<b>4</b>	<b>53</b>	<b>2</b>	<b>55</b>	<b>8</b>	<b>2</b>	<b>10</b>	<b>65</b>
<b>IV Livestock Production and Management</b>								
Dairy Management	1	13	3	16	3	1	4	20
Poultry Management	1	11	2	13	2	1	3	16
Goat Management	1	16	3	19	2	1	3	22
Disease Management	1	12	4	16	4	2	6	22
<b>TOTAL</b>	<b>4</b>	<b>52</b>	<b>12</b>	<b>64</b>	<b>11</b>	<b>5</b>	<b>16</b>	<b>80</b>
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen and nutrition gardening	1	-	13	13	-	2	2	15
Design and development of low/minimum cost diet	1	-	13	13	-	2	2	15
Designing and development for high nutrient efficiency diet	1	-	13	13	-	2	2	15
Minimization of nutrient loss in processing and cooking	1	-	13	13	-	2	2	15
Gender mainstreaming through SHGs								
Storage loss minimization techniques	-	-	-	-	-	-	-	-
Value addition	1	-	13	13	-	2	2	15
Women and child care	1	-	13	13	-	2	2	15
<b>TOTAL</b>	<b>6</b>		<b>78</b>	<b>78</b>		<b>12</b>	<b>12</b>	<b>90</b>
<b>VI Agril. Engineering</b>								
<b>VII Plant Protection</b>								
Integrated Pest Management	1	17	-	17	3	-	3	20
Bio-control of pests and diseases	1	15	-	15	5	-	5	20
<b>Total</b>	<b>2</b>	<b>32</b>		<b>32</b>	<b>8</b>		<b>8</b>	<b>40</b>
<b>VIII Fisheries</b>								
Integrated fish farming	1	08	-	08	12	-	12	20
Composite fish culture	1	08	-	08	12	-	12	20
<b>Total</b>	<b>2</b>	<b>16</b>	<b>-</b>	<b>16</b>	<b>24</b>	<b>-</b>	<b>24</b>	<b>40</b>
<b>IX Production of Inputs at site</b>								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	2	24	6	30	6	4	10	40
Group dynamics	1	14	0	14	6	0	6	20

Formation and Management of SHGs	1	06	04	10	06	04	10	20
Mobilization of social capital	1	08	02	10	08	02	10	20
Entrepreneurial development of farmers/youths	1	10	0	10	10	0	10	20
<b>Total</b>	<b>6</b>	<b>62</b>	<b>12</b>	<b>74</b>	<b>36</b>	<b>10</b>	<b>46</b>	<b>120</b>
<b>XI Agro-forestry</b>								
Production technologies	1	16	0	16	4	0	4	20
Nursery management	1	16	0	16	4	0	4	20
Integrated Farming Systems	1	18	0	18	2	0	2	20
Wastemanagement	1	18	0	18	2	0	2	20
<b>TOTAL</b>	<b>4</b>	<b>68</b>		<b>68</b>	<b>12</b>		<b>12</b>	<b>80</b>
<b>XII Others (Pl. Specify)</b>								
Mushroom Production	1	12	3	15	-	-	-	15
Integrated farming	1	12	3	15	3	0	3	18
Production of organic inputs	1	16	-	16	4	-	4	20
Integrated Farming (Medicinal)	1	12	3	15	3	2	5	20
Protected cultivation of vegetable crops	1	13	-	13	2	-	2	15
Sheep and goat rearing	1	13	-	13	-	2	2	15
Poultry production	1	12	3	15	2	0	2	17
Preservation of Food	1	-	13	13	-	2	2	15
Family Planing	1	-	13	13	-	2	2	15
<b>TOTAL</b>	<b>9</b>	<b>90</b>	<b>38</b>	<b>128</b>	<b>14</b>	<b>8</b>	<b>22</b>	<b>150</b>

<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	1	13	-	13	2	-	2	15
Integrated Pest Management	1	12	-	12	3	-	3	15
Integrated Nutrient management	1	16	-	16	4	-	4	20
Rejuvenation of old orchards (Horti)	1	12	-	12	2	-	2	14
Group Dynamics and farmers organization	1	15	0	15	5	0	5	20
Information networking among farmers	1	14	0	14	6	0	6	20
Capacity building for ICT application	1	15	0	15	5	0	5	20
Management in farm animals	1	13	2	15	1	2	3	18
Livestock feed and fodder production	1	14	2	16	1	2	3	19
Women and Child care	1	-	13	13	-	2	2	15
<b>TOTAL</b>	<b>10</b>	<b>124</b>	<b>17</b>	<b>141</b>	<b>29</b>	<b>6</b>	<b>35</b>	<b>176</b>
<b>G. Total</b>	<b>56</b>	<b>624</b>	<b>169</b>	<b>793</b>	<b>158</b>	<b>49</b>	<b>207</b>	<b>1000</b>

## B) OFF Campus

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
<b>(A) Farmers &amp; Farm Women</b>									
<b>I Crop Production</b>									
Resource Conservation Technologies	1	15	3	18	2	-	2	20	
Integrated Farming	1	14	2	16	2	2	4	20	
Integrated Crop Management	1	15	3	18	2	-	2	20	
<b>TOTAL</b>	<b>3</b>	<b>44</b>	<b>8</b>	<b>52</b>	<b>6</b>	<b>2</b>	<b>8</b>	<b>60</b>	
<b>II Horticulture</b>									
<b>a) Vegetable Crops</b>									
Production of low volume and high value crops	1	17	-	17	3	-	3	20	
Nursery raising	1	13	3	16	2	2	4	20	
Protective cultivation (Green Houses, Shade Net etc.)	1	13	3	16	2	2	4	20	
<b>b) Fruits</b>									
<b>c) Ornamental Plants</b>									
<b>d) Plantation crops</b>									
<b>e) Tuber crops</b>									
Production and Management technology	1	13	-	13	2	-	2	15	
<b>f) Spices</b>									
Production and Management technology	1	13	3	16	2	2	4	20	
<b>g) Medicinal and Aromatic Plants</b>									
<b>Total</b>	<b>5</b>	<b>69</b>	<b>9</b>	<b>78</b>	<b>11</b>	<b>6</b>	<b>17</b>	<b>95</b>	

<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	12	2	14	4	2	6	20
Integrated Nutrient Management	2	20	3	23	6	1	7	30
Management of Problematic soils	1	15	5	20	3	2	5	25
Micro nutrient deficiency in crops	1	12	2	14	1	-	1	15
<b>Total</b>	<b>5</b>	<b>59</b>	<b>12</b>	<b>71</b>	<b>14</b>	<b>5</b>	<b>19</b>	<b>90</b>
<b>IV Livestock Production and Management</b>								
Piggery Management	1	12	2	14	2	0	2	16
Disease Management	1	15	0	15	3	0	3	18
Feed management	2	24	4	28	6	4	10	38
Production of quality animal products	1	11	4	15	3	1	4	19
<b>TOTAL</b>	<b>5</b>	<b>62</b>	<b>10</b>	<b>72</b>	<b>14</b>	<b>5</b>	<b>19</b>	<b>91</b>
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen and nutrition gardening	3	-	35	35	-	10	10	45
Design and development of low/minimum cost diet	1	-	15	15	-	5	5	20
Designing and development for high nutrient efficiency diet	1	-	15	15	-	5	5	20
Minimization of nutrient loss in processing	1	-	13	13	-	2	2	15
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	-	15	15	-	5	5	20
Value addition	2	-	25	25	-	15	15	40
Income generation activities for empowerment of rural Women	1	-	13	13	-	2	2	15
Location specific drudgery reduction technologies	1	-	13	13	-	2	2	15
<b>TOTAL</b>	<b>11</b>	<b>0</b>	<b>144</b>	<b>144</b>	<b>0</b>	<b>46</b>	<b>46</b>	<b>190</b>
<b>VI Agril. Engineering</b>								
<b>VII Plant Protection</b>								
<b>Total</b>								
<b>VIII Fisheries</b>								
<b>IX Production of Inputs at site</b>								
<b>X Capacity Building and Group Dynamics</b>	-	-	-	-	-	-	-	-
Leadership development	1	20	0	20	0	0	0	20
Group dynamics	1	20	0	20	0	0	0	20
Formation and Management of SHGs(HS)	1	10	0	10	06	04	10	20
Mobilization of social capital	1	10	0	10	08	02	10	20
Entrepreneurial development of farmers/youths (Agro.)	1	12	3	15	5	0	5	20
<b>Total</b>	<b>5</b>	<b>72</b>	<b>3</b>	<b>75</b>	<b>19</b>	<b>6</b>	<b>25</b>	<b>100</b>
<b>XI Agro-forestry</b>								
Production technologies	2	26	0	26	4	0	4	30
Nursery management	1	16	0	16	4	0	4	20
Integrated Farming Systems	1	15	0	15	0	0	0	15
Waste management	2	26	0	26	4	0	4	30
ICM	2	20	4	24	4	2	6	30
<b>TOTAL</b>	<b>8</b>	<b>103</b>	<b>4</b>	<b>107</b>	<b>16</b>	<b>2</b>	<b>18</b>	<b>125</b>
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>42</b>	<b>409</b>	<b>190</b>	<b>599</b>	<b>80</b>	<b>72</b>	<b>152</b>	<b>751</b>

<b>(B) RURAL YOUTH</b>								
Mushroom Production	1	12	0	12	3	0	3	15
Integrated farming	1	15	0	15	0	0	0	15
Seed production	1	10	0	10	5	0	5	15
Production of organic inputs (FF)	1	15	2	17	2	1	3	20
Vermi-culture	1	12	0	12	3	0	3	15
Protected cultivation of vegetable crops	1	12	0	12	3	0	3	15
Value addition	1	0	15	15	0	5	5	20
Sheep and goat rearing	1	10	0	10	10	0	10	20
Fish harvest and processing technology	1	11	2	13	2	0	2	15
<b>TOTAL</b>	<b>9</b>	<b>97</b>	<b>19</b>	<b>116</b>	<b>28</b>	<b>6</b>	<b>34</b>	<b>150</b>
<b>(C) Extension Personnel</b>								

Productivity enhancement in field crops	1	18	0	18	2	0	2	20
Integrated Pest Management	1	15	0	15	5	0	5	20
Integrated Nutrient management (FF)	1	15	0	15	5	0	5	20
Protected cultivation technology (Horti)	1	18	0	18	2	0	2	20
Formation and Management of SHGs	1	12	0	12	3	0	3	15
Group Dynamics and farmers organization	1	18	0	18	2	0	2	20
Management in farm animals	1	0	18	18	0	2	2	20
Household food security	1	0	15	15	0	5	5	20
Women and Child care	1	0	18	18	0	2	2	20
Low cost and nutrient efficient diet designing	1	0	12	12	0	8	8	20
Production and use of organic inputs	1	12	3	15	2	0	2	17
<b>TOTAL</b>	<b>11</b>	<b>108</b>	<b>66</b>	<b>174</b>	<b>21</b>	<b>17</b>	<b>38</b>	<b>212</b>
<b>G. Total</b>	<b>62</b>	<b>614</b>	<b>275</b>	<b>889</b>	<b>129</b>	<b>95</b>	<b>224</b>	<b>1113</b>

**C) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
<b>(A) Farmers &amp; Farm Women</b>									
<b>I Crop Production</b>									
Weed Management	1	12	2	14	2	2	4	18	
Resource Conservation Technologies	2	26	6	32	4	2	6	38	
Crop Diversification	1	12	2	14	2	2	4	18	
Integrated Farming	2	29	5	34	4	2	6	40	
Integrated Crop Management	1	15	3	18	2	-	2	20	
<b>TOTAL</b>	<b>7</b>	<b>94</b>	<b>18</b>	<b>112</b>	<b>14</b>	<b>8</b>	<b>22</b>	<b>134</b>	
<b>II Horticulture</b>									
<b>a) Vegetable Crops</b>									
Production of low volume and high value crops	1	17	-	17	3	-	3	20	
Off-season vegetables/Early vegetable crop production	1	18	-	18	2	-	2	20	
Nursery raising	2	26	3	29	4	2	6	35	
Protective cultivation (Green Houses, Shade Net etc.)	1	13	3	16	2	2	4	20	
<b>b) Fruits</b>									
Plant propagation techniques	1	15	-	15	-	-	-	15	
<b>c) Ornamental Plants</b>									
<b>d) Plantation crops</b>									
Production and Management technology	1	18	-	18	2	-	2	20	
<b>e) Tuber crops</b>									
Production and Management technology	1	13	-	13	2	-	2	15	
<b>f) Spices</b>									
Production and Management technology	2	26	3	29	4	2	6	35	
<b>g) Medicinal and Aromatic Plants</b>									
<b>Total</b>	<b>10</b>	<b>146</b>	<b>9</b>	<b>155</b>	<b>19</b>	<b>6</b>	<b>25</b>	<b>180</b>	
<b>III Soil Health and Fertility Management</b>									
Soil fertility management	2	24	2	26	7	2	9	35	
Soil and Water Conservation	1	13	-	13	-	2	2	15	
Integrated Nutrient Management	3	35	5	40	9	1	10	50	
Management of Problematic soils	2	28	5	33	5	2	7	40	
Micro nutrient deficiency in crops	1	12	2	14	1	-	1	15	
<b>Total</b>	<b>9</b>	<b>112</b>	<b>14</b>	<b>126</b>	<b>22</b>	<b>7</b>	<b>29</b>	<b>155</b>	
<b>IV Livestock Production and Management</b>									
Dairy Management	1	13	3	16	3	1	4	20	
Poultry Management	1	11	2	13	2	1	3	16	
Piggery Management	1	12	2	14	2	0	2	16	
Goat Management	1	16	3	19	2	1	3	22	
Disease Management	2	27	4	31	7	2	9	40	
Feed Management	2	24	4	28	6	4	10	38	
Production of quality animal products	1	11	4	15	3	1	4	19	
<b>TOTAL</b>	<b>9</b>	<b>114</b>	<b>22</b>	<b>136</b>	<b>25</b>	<b>10</b>	<b>35</b>	<b>171</b>	

<b>V Home Science/Women empowerment</b>								
Household food security by kitchen and nutrition gardening	4		48	48		12	12	60
Design and development of low/minimum cost diet	2		28	28		7	7	35
Designing and development for high nutrient efficiency diet	2		28	28		7	7	35
Minimization of nutrient loss in processing and cooking	2		26	26		4	4	30
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	-	15	15	-	5	5	20
Value addition	3		38	38		17	17	55
Income generation activities for empowerment of rural Women	1	-	13	13	-	2	2	15
Location specific drudgery reduction technologies	1	-	13	13	-	2	2	15
Women and child care	1	-	13	13	-	2	2	15
<b>TOTAL</b>	<b>17</b>		<b>222</b>	<b>222</b>		<b>58</b>	<b>58</b>	<b>280</b>
<b>VI Agril. Engineering</b>								
<b>VII Plant Protection</b>								
Integrated Pest Management (Horticulture)	1	17	-	17	3	-	3	20
Bio-control of pests and diseases	1	15	-	15	5	-	5	20
<b>Total</b>	<b>2</b>	<b>32</b>		<b>32</b>	<b>8</b>		<b>8</b>	<b>40</b>
<b>VIII Fisheries</b>								
Integrated fish farming	1	8	-	8	12	-	12	20
Composite fish culture	1	8	-	8	12	-	12	20
<b>Total</b>	<b>2</b>	<b>16</b>		<b>16</b>	<b>24</b>		<b>24</b>	<b>40</b>
<b>IX Production of Inputs at site</b>								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	3	44	6	50	6	4	10	60
Group dynamics	2	34	0	34	6	0	6	40
Formation and Management of SHGs (HS)	2	16	4	20	12	8	20	40
Mobilization of social capital	2	18	2	20	16	4	20	40
Entrepreneurial development of farmers/youths (Agro.)	2	22	3	25	15	0	15	40
<b>Total</b>	<b>11</b>	<b>134</b>	<b>15</b>	<b>149</b>	<b>55</b>	<b>16</b>	<b>71</b>	<b>220</b>
<b>XI Agro-forestry</b>								
Production technologies	3	42	0	42	8	0	8	50
Nursery management	2	32	0	32	8	0	8	40
Integrated Farming Systems	2	33	0	33	2	0	2	35
Waste management	3	44	0	44	6	0	6	50
ICM	2	20	4	24	4	2	6	30
<b>TOTAL</b>	<b>12</b>	<b>171</b>	<b>4</b>	<b>175</b>	<b>28</b>	<b>2</b>	<b>30</b>	<b>205</b>
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>79</b>	<b>819</b>	<b>304</b>	<b>1123</b>	<b>195</b>	<b>107</b>	<b>302</b>	<b>1425</b>

<b>(B) RURAL YOUTH</b>								
Mushroom Production	2	24	3	27	3	0	3	30
Integrated farming	2	27	3	30	3	0	3	33
Seed production	1	10	0	10	5	0	5	15
Production of organic inputs	2	31	2	33	6	1	7	40
Integrated Farming Medicinal	1	12	3	15	3	2	5	20
Vermi-culture	1	12	0	12	3	0	3	15
Protected cultivation of vegetable crops	2	25	0	25	5	0	5	30
Value addition	1	0	15	15	0	5	5	20
Sheep and goat rearing	2	23	0	23	10	2	12	35
Poultry production	1	12	3	15	2	0	2	17
Fish harvest and processing technology	1	11	2	13	2	0	2	15
Post Harvest Technology	1	-	13	13	-	2	2	15
Tailoring and Stitching	1	-	13	13	-	2	2	15
<b>TOTAL</b>	<b>18</b>	<b>187</b>	<b>57</b>	<b>244</b>	<b>42</b>	<b>14</b>	<b>56</b>	<b>300</b>
<b>(C) Extension Personnel</b>								

Productivity enhancement in field crops	2	31	0	25	4	0	4	35
Integrated Pest Management	2	27	0	27	8	0	8	35
Integrated Nutrient management	2	31	0	31	9	0	9	40
Rejuvenation of old orchards	1	12	-	12	2	-	2	14
Protected cultivation technology	1	18	0	18	2	0	2	20
Formation and Management of SHGs	1	12	0	12	3	0	3	15
Group Dynamics and farmers organization	2	33	0	33	7	0	7	40
Information networking among farmers	1	14	0	14	6	0	6	1
Capacity building for ICT application	1	15	0	15	5	0	5	1
Management in farm animals	2	13	20	33	1	4	5	38
Livestock feed and fodder production	1	14	2	16	1	2	3	19
Household food security	1	0	15	15	0	5	5	20
Women and Child care	2	0	31	31	0	4	4	35
Low cost and nutrient efficient diet designing	1	0	12	12	0	8	8	20
Production and use of organic inputs	1	12	3	15	2	0	2	17
<b>Total</b>	<b>21</b>	<b>232</b>	<b>83</b>	<b>309</b>	<b>50</b>	<b>23</b>	<b>73</b>	<b>350</b>
<b>G. TOTAL</b>	<b>118</b>	<b>1238</b>	<b>444</b>	<b>1682</b>	<b>287</b>	<b>144</b>	<b>431</b>	<b>2113</b>

Details of training programmes attached in **Annexure - I**

### 3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	12	390	40	430	20	07	27	400	47	457
KisanMela	1	1250	450	1700	25	10	35	1275	460	1735
KisanGosthi	12	330	45	375	20	07	27	340	52	402
Exhibition	2	450	120	570	30	10	40	480	150	630
Film Show	5	650	30	680	32	12	44	682	42	724
Farmers Seminar	2	50	5	55	5	1	6	55	6	61
Workshop	2	65	10	75	6	4	10	71	14	85
Group meetings	12	250	15	265	12	10	22	262	25	487
Lectures delivered as resource persons	20	-	-	-	-	-	-	-	-	-
Newspaper coverage	36	-	-	-	-	-	-	-	-	-
Radio talks	4	-	-	-	-	-	-	-	-	-
TV talks	4	-	-	-	-	-	-	-	-	-
Popular articles	4	-	-	-	-	-	-	-	-	-
Extension Literature	4	-	-	-	-	-	-	-	-	-
Advisory Services	1	435	10	445	5	-	5	440	15	455
Scientific visit to farmers field	225	1270	60	1330	-	-	-	1250	50	1300
Farmers visit to KVK	-	2100	250	2350	-	-	-	2100	250	2350
Diagnostic visits	3	90	20	110	5	2	7	95	22	117
Exposure visits	2	105	15	120	8	2	10	113	17	130
Ex-trainees Sammelan	1	35	7	42	-	-	-	35	7	42
Soil health Camp	2	50	15	65	-	-	-	50	15	65
Animal Health Camp	4	210	28	238	8	-	8	208	28	246
Soil test campaigns	4	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	1	18	-	18	-	-	-	18	-	18
Self Help Group Conveners meetings	1	15	10	25	-	-	-	15	10	25
MahilaMandals Conveners meetings	1	-	15	15	-	-	-	-	15	15
Celebration of important days (specify)	5	250	60	310	15	10	25	265	70	335
KrishiMohostva	-	-	-	-	-	-	-	-	-	-
KrishiRath	-	-	-	-	-	-	-	-	-	-
Pre Kharif	1	70	15	85	10	-	10	80	15	95

workshop										
Pre Rabi workshop	1	90	15	105	7	3	10	97	18	115
<b>Total</b>	380	8163	1242	9405	200	78	278	8323	1335	9878

### 3.5 Target for Production and supply of Technological products SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (q)
CEREALS	Paddy	DRR-44, NDR-3065, Sarbati	65
	Wheat	HD-2967, DBW-187, DBW-222, DBW-303	125
OILSEEDS	Mustard	CS – 58, RH-749	10
		<b>Total</b>	<b>200</b>

### PLANTING MATERIALS

Sl. No.	Crop	Variety	Nos.
<b>FRUITS</b>	Mango	Dashahari, Amrapali, Mallika, Langra, Chausa, Bombay Green, Safeda	300
	Lemon	Kagzi, Pant Lemon	250
	Beal	N. Beal-5 & 9 (Seeded & Budded)	200
	Guava	Allahabadi Safeda	500
	Papaya	Pusa Delicious, Honey Dew	3000
	Jack-Fruit	Local	100
<b>SPICES</b>	Chilli	Hy..VNR-305, K.A.-2, Pusa Sadabahar, Suryamukhi	2500
	Onion Seedling	Gauran, ALR	20 q.
<b>VEGETABLES</b>	Brinjal	Hy..Sukhada (Excel Co.), Navina (VNR) PPL-74, OPV- Pant Samrat, Neelam, Kashi Uttam, Kashi Tarun, Kashi Sandesh	2000
	Tomato	Hy.- Namdhari-585, Abhinav OPV, Navoday (Sun grow), S-22, Kashi Abhiman, Kashi Aman, Kashi Vishesh	250
	Cauliflower	Hy.- Madhuri, OPV- Early Kuwari, Agahani, Snowball-16,	2500
	Cabbage	Hy.- Samrat, OPV- Golden Acre, Pride of India	1500
	Broccoli	Hybrid	250
<b>FOREST SPECIES</b>	Eucalypts	Eucalypts Hyb.	300
	Neem	Local Collection	400
<b>ORNAMENTAL Saplings</b>	Rose		500
	Sawani		300
	Gurahal		100
	Chandani		300
	Bougainvillea		200
	Exora		50
	Ratrani		150
Durenta		400	
<b>Seasonal Seedlings</b>	Marigold		700
	Calendula		400
	Poppy		200
	Cosmos		200
	Dahelia		100
	Nustertium		100
		<b>Total</b>	<b>20000</b>

### Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>				

### LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit

<b>3.6</b>	<b>Literature to be Developed / Published</b>	<b>10</b>
<b>(A)</b>	<b>KVK News Letter</b>	<b>4</b>
	Date of start :	January 2023
	Number of copies to be published :	2000

**(B) Literature developed/published**

S.No.	Topic	Number
1	Research paper each scientist	1
2	Technical reports	6
3	News letters	4
4	Training manual all discipline	1
5	Popular article	3
6	Extension literature	6
	Total	21

**(C) Details of Electronic Media to be Produced**

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	Audio-cassette	Integrated farming system Goat Farming Vegetable production Bee keeping Mushroom Production	2 1 1 1 1
2	-	-	6

**3.7. Success stories/Case studies identified for development as a case. - 2**

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
  - i) Social economic
  - ii) Bio-Physical
- f. Good Action Photographs

**3.8 Indicate the specific training need analysis tools/methodology followed for :-  
Practicing Farmers**

- a) Analysis of an activity.- PRA
- b) Analysis of the problem.- PRA/ Observation/Individual discussion.
- c) Self- analysis method.-

**Rural Youth**

- a) Knowledge test.( Questionnaire method)- Questionnaire
- b) Interview method.- Interview
- c) Performance test method.

**In-service personnel**

- a) Committee method.
- b) Perception by self (Questionnaire method )- Questionnaire

**3.9 Indicate the methodology for identifying OFTs/FLDs****For OFT:**

- |      |                                |     |
|------|--------------------------------|-----|
| i)   | PRA                            | Yes |
| ii)  | Problem identified from Matrix | Yes |
| iii) | Field level observations       | Yes |
| iv)  | Farmers group discussions      | Yes |
| v)   | Others if any                  |     |

Study of gap analysis (Technology recommended-  
Technology adopted and potential productivity of crops.

**For FLD:**

- |      |                             |  |
|------|-----------------------------|--|
| i)   | New variety/technology      | Yes  |
| ii)  | Poor yield at farmers level | Yes  |
| iii) | Existing cropping system    | Yes  |
| iv)  | Others if any               | Need of the farmers considering the soil health. |

**3.10 Field activities**

- i. Name of villages identified/adopted with block name (from which year) - 2023

Name of Village	Name of Block	Year
Mishrauli	Jaisinghpur	2023
Shri Rampur	Kurebhar	2023
Ramdaspur	Kurebhaar	2023



Nanemau	Motigarpur	2023
Paraspatti	Motigarpur	2023
Malikpur	Kurebhar	2023
Bhairopur	Motigarpur	2023
Jaisinghpur Khurd	Jaisinghpur	2023

ii. No. of farm families selected per village : 25

Name of Village	No. of farm families
Mishrauli	25
Shri Rampur	25
Ramdaspur	25
Nanemau	25
Paraspatti	25
Malikpur	25
Bhairopur	25
Jaisinghpur Khurd	25

iii. No. of survey/PRA conducted :- To be conducted in 4 villages.

iv. **No. of technologies taken to the adopted villages –**

- Introduction of latest variety & crop rotation
- Soil health improvement
- Recommendation of nutrient application by soil test basis
- Use of bio pesticide
- Promotion of natural farming
- Seed/seedling treatment
- Resource Conservation Technologies
- Spacing management, staking and machan system

v. **Name of the technologies found suitable by the farmers of the adopted villages:-**

- Seed/seedling treatment
- Recent production technology for HYV of crop
- Spacing management
- Nutrient management
- Use of liquid fertilizer (NPK-18:18:18)
- Use of Integrated Pest Management
- Use of weedicides
- Use of ferti- seed drill Line sowing on bed
- Line sowing
- Machan system in cucurbits
- Canopy management/canopy geometry/Nipping in pigeon pea (ICM)
- Use of HYV/ Hybrid cultivars

vi. **Impact (production, income, employment, and area/technological– horizontal/vertical)**

- Introduction of RH - 749.
- Production,
- BC Ratio
- Area/technological– horizontal/vertical

vii. **Constraints if any in the continued application of these improved technologies -**

- Unavailability of bio agent and bio fertilizer
- Indiscriminate use of pesticide and weedicide
- Unavailability of seed bed planter and ferti- seed drill

**Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab: - Yes

1. **Year of establishment :- 2012-13**

2. **List of equipment's purchase with amount**

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	PH Meter	1	10,304.00
2	Conductivity Meter	1	12,208.00
3	Micro Calorie Meter	1	16,128.00
4	Flame Photometer	1	42,560.00
5	Double Beam UV Spectro Photometer	1	2,52,000.00
6	Double Distillation Unit	1	1,07,904.00
7	Soil mini kit	2	150000.00

### 3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	300 Grid	3600	18	00
Water	-	-	-	-
Plant	-	-	-	-
<b>Total</b>	300 Grid	3600	18	00

### 4.0 LINKAGES:-

#### 4.1 Functional linkage with different organizations

Sl. No.	Name of organization	Nature of Linkage
1.	Department of agriculture	Joint diagnostic survey and implementation participation, meeting, Field day, kisanmela
2.	Department of AH/ PCDF	Trg.vet. facilities, participation in meeting, kisanmela, and programme implementation
3.	Department of Horticulture.	Training, participation in meeting, Field day, Kisanmela&programme implementation
4.	Department of Fisheries	Training, participation in meeting, Field day, Kisanmela&programme implementation
5.	Bank	Participation in Training, Meeting, Kisanmela& Credit support.
6.	NDUA & T, Faizabad	Technical support, Seed, Saplings.
7.	Agro service center	Participation in training, Kisanmela, Agri. Implements.
8.	IIPR, Kanpur	Technical support. Seed, Saplings.
9.	IIVR, Varanasi	Technical support, Seed, Saplings.
10.	CSAU & T, Kanpur	Technical support, Seed, Saplings.
11.	IISR,Lucknow	Technical support, Seed, Saplings.
12.	CISH,Lucknow	Technical support, Seed, Saplings.
13.	CIMAP,Lucknow	Technical support, Seed, Saplings.
14.	CSSRI,Karnal	Technical support, Seed, Saplings.
15.	IRRI,Philippines	Technical support, Seed, Saplings.
16.	MANAGE,Hyderabad	Technical support AC &ABC Training (NTIs)
17.	IIWBR, Karnal	Technical support, Seed, Saplings.
18.	IARI,New Delhi	Technical support, Seed, Saplings.
19.	NSC,Kanpur	Seed, Saplings
20.	NABARD	Training, participation in meeting, Kisanmela&programme implementation
21.	IFFCO	Training, participation in meeting, Field day, Kisanmela&programme implementation

#### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district: - Yes/No Yes

S. No.	Programme	Nature of linkage
1	ATMA (DD Agri.)	Training, Implementation, participation in meeting, Input supply & various activities.

#### 4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	NHM / DHM	Training & survey, Implementation, Participation in meeting, Input supply & various activities.

#### 4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1	-	Training

#### 5. Utilization of hostel facilities

S. No.	Programme	No. of days
1	4	60
<b>Total</b>	<b>50</b>	<b>97</b>

6. Convergence with departments: - Department of Agriculture, Horticulture, A.H., Fisheries, Forestry, Bank and allied department.

**7. Feedback of the farmers about the technologies demonstrated and assessed:-**

- Adaption of paddy variety DRR-44 and CSR-43 under mid land irrigated condition.
- Demand of HYV HD- 2967 and late sown wheat var. DBW- 107 in rice wheat crop production.
- Demand of seed bed planter for sowing of Pulses.
- Demand for liquid fertilizer and bio NPK as nutrient supplement in Pulses.
- Demand for regular vaccination in Cow, Buffalo and Goats.
- Farmers accepting seed/seedling treatment against seed/soil born disease.
- Application of Pendimethalene (3.3 lt/ha) with foliar spray effectively minimizes weed of pulses and oil seed for increasing yield
- Application of Imidachlorprid (400 ml/ha) for effective control of aphid and jassid in oil seed crops for increasing seed yield.

**8. Feedback from the KVK Scientists (Subject wise) to the research institutions/ universities:-**

**8-1- Crop production-**

- Rice-Wheat crop rotation farmers should use, mid duration paddy CV and late sown wheat cultivars to get remunerative production.
- Introduction of pulses in Sugarcane as intercrop.
- Application of soluble NPK in pulse for higher pod formation and seed yield.
- Basal application of bio fertilizer as soil richer to enhance soil fertility and productivity.
- Timely availability of HYV var. seeds and bio agents in farmers village/market.
- To increase Pulse production use of seed bed planter must be ensure over broad costing method under reclaimed sodic soil condition.
- Seed bed planter and ferti-seeddrill must be available in each village.

**8.2- Horticulture-**

- To increase vegetable production is necessary seed/seedling treatment before sowing and planting.
- Spacing management in vegetable crop to improve productivity.
- Use of ridge planting method to improve productivity and reduces of incidence of insect and disease.
- Use of bio agent and foliar spray of bio agent/NPK(18:18:18) and nutrient management.
- Use of stacking in Tomato crop to improve productivity and income.
- Machan system in cucurbits to improve productivity and income.

**8.3- Animal Husbandry-**

- Due to vaccination against contagious disease no FMD & HS was observed in adapted village.
- Multiplication of Hybrid Napier grass is growing well.

**8.4 Intervention to be taken-**

**OFT: 4**

**FLD: Oilseed, Pulses and Vegetables**

**Training:**

- Natural Farming- 5
- IPM- 5
- INM- 3
- Vocational- 3

**Annexure - I**

**Training Programme (2023)**

**I) FARMERS & FARM WOMEN (ON CAMPUS)**

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>CROP PRODUCTION</b>										
Ist Quarter (Jan - March)										
10-1-2023		Integrated weed management in Wheat	1	12	2	14	2	2	4	18
IInd Quarter (April - June)										
10-5-2023		Role of Crop residue management in natural farming	1	11	3	14	2	2	4	18
IIIrd Quarter (July - Sept)										
8-7-2023		Production technology of millets	1	12	2	14	2	2	4	18
IVth Quarter (Oct - Dec)										

11-10-23		Role of Natural farming in IFS module for doubling farmers income	1	15	3	18	2	0	2	20
<b>TOTAL</b>			<b>4</b>	<b>50</b>	<b>10</b>	<b>60</b>	<b>8</b>	<b>6</b>	<b>14</b>	<b>74</b>
<b>HORTICULTURE</b>										
Ist Quarter (Jan - March)										
14-2-23		Production and management technology of organic vegetable crop to minimize to cost and increase income	1	18	0	18	2	0	2	20
IInd Quarter (April - June)										
IIIrd Quarter (July - Sept)										
23-8-23		Method and management of vegetable nursery production to increase farmer income	1	13	0	13	2	0	2	15
26-7-23		Method of propagation technic in fruit crop to increasing the farmer income	1	15	0	15	0	0	0	15
IVth Quarter (Oct - Dec)										
21-11-23		Integrated pest management in vegetable crop to minimize the cost and increase the farmer income	1	18	0	18	2	0	2	20
24-10-23		Role of natural farming in vegetable production for doubling farmer income	1	13	0	13	2	0	2	15
<b>TOTAL</b>			<b>5</b>	<b>77</b>	<b>0</b>	<b>77</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>85</b>

<b>SOIL HEALTH AND FERTILITY MANAGEMENT</b>										
Ist Quarter (Jan - March)										
14-3-23		Integrated Nutrient Management in Rabi crops	1	15	2	17	3	0	3	20
IInd Quarter (April - June)										
23-5-23		Soil fertility management green manuring and bio-fertilizer	1	12	0	12	3	0	3	15
IIIrd Quarter (July – Sept)										
13-7-23		Soil and water conservation in Kharif pulse crop	1	13	0	13	0	2	2	15
IVth Quarter (Oct - Dec)-										
20-12-23		Nutrient and irrigation management in reclaimed sodic soil	1	13	0	13	2	0	2	15
Total			<b>4</b>	<b>53</b>	<b>2</b>	<b>55</b>	<b>8</b>	<b>2</b>	<b>10</b>	<b>65</b>

<b>LIVE-STOCK PRODUCTION AND MANAGEMENT</b>										
Ist Quarter (Jan - March)										
2-3-23		Breeding management of dairy animals	1	13	3	16	3	1	4	20
IInd Quarter (April - June)										
5-4-23		Training on Kadaknath chicks management on different stages	1	11	2	13	2	1	3	16
IIIrd Quarter (July - Sept)										
17-7-23		Training on Goat rearing	1	16	3	19	2	1	3	22
IVth Quarter (Oct - Dec)										
13-12-23		Training on Parasite management in animals	1	12	4	16	4	2	6	22
<b>TOTAL</b>			<b>4</b>	<b>52</b>	<b>12</b>	<b>64</b>	<b>11</b>	<b>5</b>	<b>16</b>	<b>80</b>

<b>HOME SCIENCE</b>										
IST QUARTER (JAN - MARCH)										
18-1-23		Design and development of low cost diet from locally available material	1	0	13	13	0	2	2	15
20-2-23		Diet of high protein and iron nutrient efficiency designing	1	0	13	13	0	2	2	15
8-2-23		Methods of cooking for minimization of nutrient loss	1	0	13	13	0	2	2	15
10-1-23		Fruit and vegetable preservation	1	0	13	13	0	2	2	15
IInd Quarter (April - June)										
IIIrd Quarter (July - Sept)										

3-7-23		Kitchen and Nutrition gardening	1	0	13	13	0	2	2	15
IVth Quarter (Oct - Dec)										
13-12-23		Importance of breast feeding and immunization	1	0	13	13	0	2	2	15
<b>TOTAL</b>			<b>6</b>	<b>0</b>	<b>78</b>	<b>78</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>90</b>
<b>AGRI ENGINEERING</b>										
<b>PLANT PROTECTION</b>										
IST QUARTER (JAN - MARCH)										
24-1-23		IPM in Pulse Production	1	17	0	17	3	0	3	20
IInd Quarter (April - June)										
15-6-23		Use of bio-agents to control pest and disease in Pigeonpea	1	15	0	15	5	0	5	20
IIIrd Quarter (July - Sept)										
IVth Quarter (Oct - Dec)										
<b>TOTAL</b>			<b>2</b>	<b>32</b>	<b>0</b>	<b>32</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>40</b>
<b>FISHERIES</b>										
IST QUARTER (JAN - MARCH)										
IInd Quarter (April - June)										
IIIrd Quarter (July - Sept)										
10-8-23		Feed management for composite fish culture	1	8	0	8	12	0	12	20
IVth Quarter (Oct - Dec)										
7-11-23		Integrated fish farming in IFS system	1	8	0	8	12	0	12	20
<b>TOTAL</b>			<b>2</b>	<b>16</b>	<b>0</b>	<b>16</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>40</b>
<b>PRODUCTION OF INPUTS AT SITE</b>										
-										
IST QUARTER (JAN - MARCH)										
IInd Quarter (April - June)										
IIIrd Quarter (July - Sept)										
IVth Quarter (Oct - Dec)										
<b>CAPACITY BUILDING &amp; GROUP DYNAMICS</b>										
IST QUARTER (JAN - MARCH)										
19-1-2023	PF	Organizing and strengthening producer groups	2	24	6	30	6	4	10	40
21-2-2023		Employment generation through locally available natural resources	1	14	0	14	6	0	6	20
IInd Quarter (April - June)										
4-5-2023		Increasing women's access to land and other productive resources regarding natural farming	1	6	4	10	6	4	10	20
IIIrd Quarter (July - Sept)										
16-8-2023		Capacity building of women through SHG	1	8	2	10	8	2	10	20
IVth Quarter (Oct - Dec)										
12-10-23		Participatory extension approaches for commercial agriculture	1	10	0	10	10	0	10	20
<b>TOTAL</b>			<b>6</b>	<b>62</b>	<b>12</b>	<b>74</b>	<b>36</b>	<b>10</b>	<b>46</b>	<b>120</b>
<b>AGRO-FORESTRY</b>										
Ist Quarter (Jan - March)										
6-2-2023		Use of Sanjeevani and Panchgavya, Jivamrit in Agroforestry	1	16	0	16	4	0	4	20
IInd Quarter (April - June)										
13-6-2023		Pest and disease control through bio-pesticide in nursery crop	1	16	0	16	4	0	1	20
IIIrd Quarter (July - Sept)										
11-7-2023		Preparation of Panchgavya, its physical, chemical, and biological properties, uses and benefits	1	16	0	16	4	0	4	20
IVth Quarter (Oct - Dec)										

14-11-23		Crop residue management of Paddy through waste decomposer	1	18	0	18	2	0	2	20
		<b>TOTAL</b>	<b>4</b>	<b>68</b>	<b>0</b>	<b>68</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>80</b>
		<b>GRAND TOTAL</b>								

**G) FARMERS & FARM WOMEN (OFF CAMPUS)**

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>CROP PRODUCTION</b>										
Ist Quarter (Jan – March)										
	PF/FW									
IInd Quarter (April – June)										
12-4-2023	PF/FW	Use of RCT in Zaid pulse production	1	15	3	18	2	0	2	20
IIIrd Quarter (July – Sept)										
5-7-2023	PF/FW	IFS module for doubling farmers income and self-employment	1	14	2	16	2	2	4	20
Ivth Quarter (Oct – Dec)										
23-11-23	PF/FW	Integrated crop management in Rabi pulses	1	15	3	18	2	0	2	20
		<b>TOTAL</b>	<b>3</b>	<b>44</b>	<b>8</b>	<b>52</b>	<b>6</b>	<b>2</b>	<b>8</b>	<b>60</b>
<b>HORTICULTURE</b>										
Ist Quarter (Jan – March)										
26-1-23	PF/FW	IPM in cucurbits to reduce the cost and increase farmers income	1	17	0	17	3	0	3	20
IInd Quarter (April – June)										
8-6-2023	PF/FW	Role of natural farming in vegetable production for doubling farmer income	1	13	3	16	2	2	4	20
IIIrd Quarter (July – Sept)										
14-9-2023	PF/FW	Production and management technology of quality vegetable seedling to increase farmers income	1	13	3	16	2	2	4	20
Ivth Quarter (Oct – Dec)										
24-10-23	PF/FW	Production and management technology of tuber crop for doubling farmer income	1	13	0	13	2	0	2	15
28-11-23	PF/FW	Use of soluble fertilizer to increase the productivity and reducing the cost of cultivation in spices crop	1	13	3	16	2	2	4	20
<b>SOIL HEALTH AND FERTILITY MANAGEMENT</b>										
Ist Quarter (Jan – March)										
12-1-2023	PF/FW	Integrated Nutrient Management in Rabi crops	1	12	2	14	4	2	6	20
IInd Quarter (April – June)										
12-5-2023	PF/FW	Integrated Nutrient Management in kharif crops	2	20	3	23	6	1	7	30
IIIrd Quarter (July – Sept)										
27-7-2023	PF/FW	Irrigation and nutrient management in reclaimed sodic soil	1	15	5	20	3	2	5	25
Ivth Quarter (Oct – Dec)-										
7-12-2023	PF/FW	Micro Nutrient deficiency symptoms and its remedy	1	12	2	14	1	0	1	15
		<b>TOTAL</b>	<b>5</b>	<b>59</b>	<b>12</b>	<b>71</b>	<b>14</b>	<b>5</b>	<b>19</b>	<b>90</b>
<b>LIVE-STOCK PRODUCTION AND MANAGEMENT</b>										
Ist Quarter (Jan – March)										
27-2-2023	PF/FW	Importance of Pig farming	1	12	2	14	2	0	2	16
IInd Quarter (April – June)										
27-7-2023	PF/FW	Disease management in livestock and poultry	1	12	2	14	3	2	5	19
IIIrd Quarter (July – Sept)										
13-7-2023	PF/FW	Importance of balance feeding for milk production in dairy cattle and buffalos	1	12	2	14	3	2	5	19
Ivth Quarter (Oct – Dec)										
18-12-23	PF/FW	Feed and fodder management in livestock	1	15	0	15	3	0	3	18

3-11-2023	PF/FW	Importance of animal byproduct	1	11	4	15	3	1	4	19
<b>TOTAL</b>			<b>5</b>	<b>62</b>	<b>10</b>	<b>72</b>	<b>14</b>	<b>5</b>	<b>19</b>	<b>91</b>

### HOME SCIENCE

#### IST QUARTER (JAN – MARCH)

4-1-2023	PF/FW	Fruit and vegetable preservation	2	0	25	25	0	15	15	40
2-2-2023	PF/FW	Income generation activity (Marigold cultivation)	1	0	13	13	0	2	2	15
22-3-2023	PF/FW	Drudgery reduction technology	1	0	13	13	0	2	2	15
IInd Quarter (April – June)										
29-5-2023	PF/FW	Safe grain storage	1	0	15	15	0	5	5	20
IIIrd Quarter (July – Sept)										
24-7-23	PF/FW	Kitchen and nutrition gardening	3	0	35	35	0	10	10	45
29-8-2023	PF/FW	Design and development of low-cost diet from locally available material	1	0	15	15	0	5	5	20
Ivth Quarter (Oct – Dec)										
26-12-23	PF/FW	Designing and development of high protein and iron nutrient efficiency diet	1	0	13	13	0	2	2	15
16-10-23	PF/FW	Method of cooking for minimization of nutrient loss	1	0	13	13	0	2	2	15
<b>TOTAL</b>			<b>11</b>	<b>0</b>	<b>144</b>	<b>144</b>	<b>0</b>	<b>46</b>	<b>46</b>	<b>190</b>

### AGRI ENGINEERING

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### PLANT PROTECTION

#### IST QUARTER (JAN – MARCH)

IInd Quarter (April – June)										
IIIrd Quarter (July – Sept)										
Ivth Quarter (Oct – Dec)										
<b>TOTAL</b>										

### FISHERIES

#### IST QUARTER (JAN – MARCH)

IInd Quarter (April – June)										
IIIrd Quarter (July – Sept)										
Ivth Quarter (Oct – Dec)										
<b>TOTAL</b>										

### PRODUCTION OF INPUTS AT SITE

#### IST QUARTER (JAN – MARCH)

IInd Quarter (April – June)										
IIIrd Quarter (July – Sept)										
Ivth Quarter (Oct – Dec)										

### CAPACITY BUILDING & GROUP DYNAMICS

#### IST QUARTER (JAN – MARCH)

14/2/2023	PF	Capacity Building Programme on Leadership Development among SHGs	1	20	0	20	0	0	0	20
IInd Quarter (April – June)										
18/5/2023	PF	Micro-Enterprises and Entrepreneurship in different SHGs	1	20	0	20	0	0	0	20

04-06-23		Organization of awareness programme for the farmers on the grameen bhandaran	1	10	0	10	6	4	10	20
IIIrd Quarter (July - Sept)										
29/9/2023	PF	Technical advice and training in sectors such as agriculture, waste, water for strengthen Farmers	1	10	0	10	8	2	10	20
IVth Quarter (Oct - Dec)										
16/12/2023	PF	Intellectual Property and Its Role in Supporting and Prompting Development for Farmers	1	12	3	15	5	0	5	20
<b>TOTAL</b>			<b>5</b>	<b>72</b>	<b>3</b>	<b>75</b>	<b>19</b>	<b>6</b>	<b>25</b>	<b>100</b>
<b>AGRO-FORESTRY</b>										
IST QUARTER (JAN - MARCH)										
IIInd Quarter (April - June)										
5-6-2023	PF/FW	Use of bio-control agent and bio-pesticide in tree/crop nursery	1	16	0	16	4	0	4	20
IIIrd Quarter (July - Sept)										
3-8-2023	PF/FW	Preparation and uses of Panchgavya, Jivamrit and plant based pesticide in integrated farming system	1	15	0	15	0	0	0	15
6-9-2023	PF/FW	Productivity management, pest and disease management through natural farming system	2	20	4	24	4	2	6	30
IVth Quarter (Oct - Dec)										
3-10-2023	PF/FW	Preparation of Panchgavya, Jivamrit, Ghanjivamrit and its use for better crop production	2	26	0	26	4	0	4	30
20-12-23	PF/FW	Preparation and use of waste decomposer for crop residue management	2	26	0	26	4	0	4	30
<b>TOTAL</b>			<b>8</b>	<b>103</b>	<b>4</b>	<b>107</b>	<b>16</b>	<b>2</b>	<b>18</b>	<b>125</b>
<b>GRAND TOTAL</b>										

#### TRAINING PROGRAMME FOR RURAL YOUTH (ON CAMPUS)

Date	Clientele	Title of the training programme	No. of Course	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
IST QUARTER (JAN - MARCH)										
16-18-1-23	PF/FW	Production of bio-pesticide	1	16	0	16	4	0	4	20
14-16-2-23	PF/FW	Fruit and vegetable preservation	1	0	13	13	0	2	2	15
IIInd Quarter (April - June)										
8-10-5-23	PF/FW	Role of IFS for promotion of Natural farming	1	12	3	15	3	0	3	18
12-14-4-23	PF/FW	Importance of Sheep and Goat rearing for small and marginal farmers	1	13	0	13	0	2	2	15
21-23-4-23	PF/FW	Cultivation of medicinal and aromatic plants in degraded lands	1	12	3	15	3	2	5	20
IIIrd Quarter (July - Sept)										
12-14-9-23	PF/FW	Mushroom production for self-employment and income generation	1	12	3	15	0	0	0	15
5-7-9-23	PF/FW	Backyard poultry farming-an approach for enhancement of farmer's income	1	12	3	15	2	0	2	17
19-21-9-23	PF/FW	Role of natural farming in vegetable production for doubling farmer income	1	13	0	13	2	0	2	15
IVth Quarter (Oct - Dec)										
7-9-11-23	PF/FW	Family planning	1	0	13	13	0	2	2	15
<b>Total</b>			<b>9</b>	<b>90</b>	<b>38</b>	<b>128</b>	<b>14</b>	<b>8</b>	<b>22</b>	<b>150</b>

#### Rural Youth (Off Campus)

IST QUARTER (JAN - MARCH)										
10-12-1-23	PF/FW	Value addition	1	0	15	15	0	5	5	20
2-4-2-23	PF/FW	IMP in vegetable crop to reduce the cost of cultivation and increase the farmer income	1	12	0	12	3	0	3	15
IIInd Quarter (April - June)										
4-6-4-23	PF/FW	Role of Breed improvement in Sheep and Goat production	1	10	0	10	10	0	10	20
18-20-5-23	PF/FW	Role of IFS for promotion of Natural farming	1	15	0	15	0	0	0	15
IIIrd Quarter (July - Sept)										



22-24-8-23	PF/FW	Harvest management in fish production	1	11	2	13	2	0	2	15
8-10-8-23	PF/FW	Mushroom production for income generation and self-employment	1	12	0	12	3	0	3	15
4-6-7-2023	PF/FW	Production of organic input for natural farming	1	15	2	17	2	1	3	20
<b>IVth Quarter (Oct - Dec)</b>										
10-12-10-23		Seed production technology for quality production of Wheat seed	1	10	0	10	5	0	5	15
<b>Total</b>										

### III) TRAINING PROGRAMME FOR EXTENSION FUNCTIONARIES (ON CAMPUS)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>IST QUARTER (JAN - MARCH)</b>										
7-2-2023	Ext. F.	IPM in Oilseed crops mustard through bio-pesticide	1	12	0	12	3	0	3	15
17-2-2023	Ext. F.	Group dynamics and farmers organization	1	15	0	15	5	0	5	20
24-1-2023	Ext. F.	Role of natural farming in vegetable production under polyhouse	1	12	0	12	2	0	2	14
<b>IInd Quarter (April - June)</b>										
15-6--2023	Ext. F.	Information networking among farmers	1	14	0	14	4	0	4	18
<b>IIIrd Quarter (July - Sept)</b>										
15-9-2023	Ext. F.	Management of Mastitis in dairy animals	1	13	2	15	1	2	3	18
7-7-2023	Ext. F.	Promotion of Natural Farming for reducing cost of production and increasing productivity	1	13	0	13	2	0	2	15
11-7-2023	Ext. F.	Production management through Natural Farming in Kharif Crops	1	16	0	16	4	0	4	20
<b>IVth Quarter (Oct - Dec)</b>										
4-10-2023	Ext. F.	Round the year fodder production	1	14	2	16	1	2	3	19
18-10-2023	Ext. F.	Capacity building for ICT application	1	15	0	15	5	0	5	20
14-11-2023	Ext. F.	Importance of breast feeding and immunization	1	0	13	13	0	2	2	15
<b>Total</b>			<b>10</b>	<b>124</b>	<b>17</b>	<b>141</b>	<b>29</b>	<b>6</b>	<b>35</b>	<b>176</b>

### TRAINING PROGRAMME FOR EXTENSION FUNCTIONARIES (OFF CAMPUS)

<b>IST QUARTER (JAN - MARCH)</b>										
07-2-23	Ext. F.	Integrated Nutrient Management through green manuring and cow based bio-products	1	15	0	15	5	0	5	20
16-3-23	Ext. F.	Formation and management of SHGs	1	12	0	12	3	0	3	15
21-02-23	Ext. F.	Household food security	1	0	15	15	0	5	5	20
20-6-23	Ext. F.	Integrated crop management for increasing productivity for millets	1	18	0	18	2	0	2	20
23-5-23	Ext. F.	Group dynamics and farmer organization	1	15	0	15	2	0	2	17
10-4-23	Ext. F.	Pre and post care of pregnant women	1	0	18	18	0	2	2	20
18-4-23	Ext. F.	Design and development of low cost diet from locally available material	1	0	12	12	0	8	8	20
10-4-23	Ext. F.	Integrated pest management through plant-based ingredients	1	15	0	15	5	0	5	20
18-7-23	Ext. F.	Planting techniques and treatment of shade net, green hous, Pollyhouse for protected vegetable production	1	18	0	18	2	0	2	20
3-8-23	Ext. F.	Importance of vaccination and deworming in dairy animal	1	0	18	18	0	2	2	20
20-10-23	Ext. F.	Production and use of Sanjivani, Jivamrit and dasparni-ark	1	12	3	15	2	0	2	17
<b>Total</b>			<b>11</b>	<b>108</b>	<b>66</b>	<b>168</b>	<b>21</b>	<b>17</b>	<b>38</b>	<b>212</b>

### IV) SPONSORED PROGRAMME (2023)

Discipline	Sponsoring	Clientele	Title of the training	No. of course	No. of	Number of	G.
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	agency		programme		participants			SC/ST			Total
					M	F	T	M	F	T	
Sponsored training programme											
			Total								
Sponsored research programme											
			Total								
Any special programmes											
			Total								

**ACTION PLAN****KVK UNNAO**

January to December, 2023

**TECHNICAL PROGRAMME****A. Details of targeted mandatory activities by KVK**

<b>OFT</b>		<b>FLD</b>	
<b>(1)</b>		<b>(2)</b>	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
14	130	300	1100

<b>Training</b>		<b>Extension Activities</b>	
<b>(3)</b>		<b>(4)</b>	
Number of Courses	Number of Participants	Number of activities	Number of participants
146/142	3510	180	15000

<b>Seed Production (Qtl.)</b>	<b>Planting material Production (Nos.)</b>	<b>Fish seed prod. (Nos.)</b>	<b>Soil Samples analyzed (Nos.)</b>	<b>Development of Soil Health Cards (Nos.)</b>
<b>(5)</b>	<b>(6)</b>	<b>(7)</b>	<b>(8)</b>	<b>(9)</b>
200/300	20000/60000	-	600	3500

<b>Quality seed distributed (q)</b>	<b>No. of saplings distributed (Nos.)</b>	<b>No. of fingerlings distributed (Nos.)</b>	<b>No. of livestock &amp; poultry strains distributed (Nos.)</b>
<b>(10)</b>	<b>(11)</b>	<b>(12)</b>	<b>(13)</b>
300	46000	3000	200

**B. Abstract of interventions to be undertaken for doubling farmer's income**

<b>S. No</b>	<b>Thrust area</b>	<b>Crop/ Enterprise</b>	<b>Identified Problem</b>	<b>Interventions</b>					
				<b>Title of OFT if any</b>	<b>Title of FLD if any</b>	<b>Title of Training if any</b>	<b>Title of training for extension personnel if any</b>	<b>Extension activities</b>	<b>Supply of seeds, planting materials etc.</b>
1	Low productivity of Brinjal	Brinjal	Higher cost of cultivation due to more no of irrigation	Planting of Brinjal on ridge to reduce no of irrigation	-	Reduction in the cost of cultivation with less no of irrigations	-	Field day- 2 Field visit-4	Seed & Machinery
2	Low crop productivity	Wheat	Low yield of Wheat	-	Increase yield of Wheat through Zero Till Seed drill	Increase yield of Wheat through use of Zero Till Seed drill	crops of Wheat through use of Zero Till Seed drill	Field day- 3 Field visit-4	Wheat seed
3	Low productivity	Paddy	Low yield due to weed	Assessment of effective herbicide in paddy crop	-	Increase yield of paddy through use of new herbicide	Use of new herbicide molecules in paddy crop	Field day- 1 Field visit-4	Herbicides

4	Low productivity	Wheat	Low yield due to weed	Assessment of effective herbicide in Wheat crop	-	Increase yield of Wheat through use of new herbicide	Use of new herbicide molecules in Wheat crop	Field day- 1 Field visit-4	Herbicides
5	Low Production	Paddy	No Use of Salt Tolerant Variety	Optimization of paddy yield in partially reclaimed soil through use of salt tolerant variety of paddy crop.	INM	Importance of Salt Tolerant Variety	Use of Salt Tolerant Variety Technique	Field day- 2 Field visit-6	Seed Salt Tolerant Variety
6	Low productivity	Wheat	Low yield due to salt affected soil	Optimization of Wheat yield in partially reclaimed soil from the use of salt tolerant variety and bio formulation	-	Increase yield of Wheat through use of salt tolerant variety and bio formulation	Increase yield of Wheat through use of salt tolerant variety and bio formulation	Field day- 1 Field visit-4	Seed and Bio formulation
7	IPM	Mango	Shoot gall psylla insect	I.P.M Technology for Management of Shoot gall psylla insect	-	I.P.M For Shoot gall psylla insect	I.P.M technology	Field day- 1 Field visit-6	Insecticides
8	IPM	Paddy	Leaf Folder,BPH	I.P.M Technology for Management of Leaf Folder	-	I.P.M For Leaf Folder	I.P.M technology	Field day- 1 Field visit-6	Insecticides, Trichocard
9	Disease Management and Nutrition management	Dairy animals	Low Production of green fodder, Anoestrous repeat breeding and Low milk yield	Feeding of mineral mixture & dewormer to regulate normal fertility in high yielding Animals (Cattle & Buffalo) and Bypass fat supplementation	To increase availability of more green fodder	Anoestrous and Repeat breeding treatment and their control in bovine and several technology/products for increase the milk yield	Management of Green fodder production around the year	Field day- 5 Field visit-50 Gosthi-4	Seed for fodder production, Mineral mixture, bypass fat & Dewormer in OFT
10	Drudgery Reduction	Rice Transplanter	Low work efficiency & high drudgery in manual transplanting of Paddy	Enhancing work efficiency and reducing drudgery of farm women involved in Paddy transplanting	-	Use of Rice Transplanter in Paddy transplanting	-	Field Day-2 Field Visity-5	Paddy Transplanter

11	Nutritional Management	Rice	High prevalence of nutritional deficiency in rural sector.	Evaluation of Bio-fortified rice variety rich in protein content to combat nutritional deficiency disorders.	-	Production and utilization of CSR dhan - 310 to combat nutritional deficiency disorders.	-	Field day- 2 Field visit-5	CSR Dhan-310
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### 3.1 Technologies to be assessed and refined

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flowers	Plantation crops	Tube r Crops	TOTAL
Varietal Evaluation	1	1	1							3
Weed Management	1	1								2
Integrated Crop Management	1	1	1		1					4
Integrated Nutrient Management	1									1
Drudgery reduction	1									1
Farm machineries	2									2
Value addition						1				1
Integrated Pest Management					2	1				3
Integrated Disease Management	1									1
Resource conservation technology	1				1					2
Small Scale income generating enterprises	1				1	1				3
<b>TOTAL</b>	<b>10</b>	<b>3</b>	<b>2</b>		<b>5</b>	<b>3</b>				<b>23</b>

#### A.2. Abstract on the number of technologies refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flowers	Kitchen garden	Tube r Crops	TOTAL
<b>TOTAL</b>										

#### A.3. Abstract on the number of technologies assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds		01						01
Nutrition Management	01							02
Disease Management	01							01
Feed and Fodder	02							02
<b>TOTAL</b>	<b>05</b>	<b>01</b>						<b>05</b>

#### A.4. Abstract on the number of technologies refined in respect of livestock /enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
<b>TOTAL</b>								

### B. Details of On Farm Trial (Based on soil test analysis)

OFT-1	
Crop/ Enterprise	Brinjal
Title of On Farm Trial	Cultivation of Brinjal on Ridge with less irrigations
Problem diagnosed	High cost of cultivation due to more no of irrigations
Farming situation	Irrigated

Farmers Practice	Planting of Brinjal on flat bed
Details of technologies selected for assessment/refinement	T <sub>1</sub> - Farmer Practice (Planting of Brinjal on flat bed) T <sub>2</sub> - Planting of Brinjal on Ridge
No of Farmers	05
Source of Technology	Indian Institute Vegetable Research, Varanasi
Critical Input	Seed & Machinery (Ridge Maker)
Performance Indicator	Technical- Yield Q/ha Economic- Net Profit and B:C ratio Social- Farmers acceptability

### OFT-2

Crop/ Enterprise	Mango
Title of On Farm Trial	Balance use of fertilizer to improve the productivity of Mango
Problem diagnosed	Low productivity of Mango
Farming situation	Irrigated
Farmers Practice	Imbalanced use of fertilizer
Details of technologies selected for assessment/refinement	T1 - Farmer Practice (Imbalanced use of fertilizer, DAP 2 Kg/Plant) T2 – Use of balance dose of fertilizer only one time, 2 kg DAP+ 1 kg Mop+200gm Zinc Sulphate T3- 1st Dose: July to August Month, 50-60 kg FYM+ 1.5 Kg DAP+1 kg Mop+200gm Zinc Sulphate 2nd Dose: October & November, 1.5 Kg DAP+1 kg Mop+200gm Zinc Sulphate
No of Farmers	05
Source of Technology	Indian Institute Vegetable Research, Varanasi
Critical Input	Seed & Machinery (Ridge Maker)
Performance Indicator	Technical- Yield Q/ha Economic- Net Profit and B:C ratio Social- Farmers acceptability

### OFT-3

Crop/ Enterprise	<b>Rice</b>
Title of On Farm Trial	Assessment of effective herbicides in paddy crop
Problem diagnosed	Low yield of paddy due to weed infestation (Echinochloacolona, Echinochloacrusgalli, Cyperus spp., Leptochloachinensis, Eclipta alba, Sagittariaguaganensis etc.)
Farming situation	Irrigated
Farmers Practice	Use of Bispyribac sodium @ (200 to 250 ml per ha) @ 25-30 DAT & hand weeding
Details of technologies selected for assessment/refinement	T <sup>1</sup> - (Farmer Practice) Bispyribac sodium @ (200 to 250 ml per ha) @ 25-30 DAT T <sup>2</sup> - Prtilachlor 37% EW @ 1.8 lit./ha. at 3-7 DAT and Bispyribac sodium 10% sc @ (200 to 250 ml per ha) @ 25-30 DAT
No of Farmers	06
Source of Technology	Directorate of Weed Research, Jabalpur, M.P.
Critical Input	Seed & Herbicide
Performance Indicator	Technical- Weed intensity, weed flora, weed control efficiency, Plant height no of effective tillers, no of grains per panical, test weight and Yield Q/ha Economic- Net Profit and B:C ratio

**OFT- 4**

Crop/ Enterprise	<b>Wheat</b>
Title of on-farm trial	Assessment of Herbicides in Wheat
Problem diagnosed	Low yield of Wheat due to weed infestation (Phalaris minor, Avena Ludoviciana, Polypogon monspeliensis, Chenopodium album, Poa annua, Rumex spp, Melilotus indica, Convolvulus arvensis, Angallis arvensis etc.)
Thematic area	Irrigated
Farmers' Practices	Use of old herbicides like Sulfosulfuron which have less efficacy on Phalaris minor and resistance problem also seen in the field.
Details of technologies selected for assessment/refinement	T1- Farmer Practice Sulfosulfuron (33 gm per ha) T2- Clodinafop propargly 15% + Metsulfuron Methyl 1% wp @ 400 gm./ha. at 30-35 DAS
Source of technology	05
No. of farmers	Directorate of Weed Research, Jabalpur, M.P.
Critical input	Seed & Herbicide
Performance indicators	Technical- Weed intensity, weed flora, weed control efficiency, Plant height no of effective tillers, no of grains per panicle, test weight and Yield Q/ha Economic- Net Profit and B:C ratio Social- Farmers acceptability

**OFT-5**

Crop/ Enterprise	<b>Wheat</b>
Title of on-farm trial	Optimization of Wheat Yield and fertility of Partially reclaimed Soil by using CSR-BIO with salt tolerant variety.
Problem diagnosed	Salt affected soil is the major problem
Thematic area	Paddy- wheat- fallow, varietal evaluation, bio-formulation effect
Farmers' Practices	No use of salt tolerant variety and bio-formulation
Details of technologies selected for assessment/refinement	T1- KRL - 283 T2- KRL-283+ CSR-BIO
Source of technology	Central Soil Salinity Research Institute, Regional Station, Lucknow
No. of farmers	5
Critical input	Seed & CSR-BIO
Performance indicators	Technical: Physiological Cost of work Change in pH, EC, Organic Carbon, NPK of Soil Effect of growth, tillers/plants Economic: Yield Qtl/ha. Social : Farmers Acceptability

**OFT-6**

Crop/ Enterprise	<b>Rice</b>
Title of on-farm trial	Optimization of Rice Yield and soil fertility of Partially reclaimed Soil by using CSR-BIO with salt tolerant variety.
Problem diagnosed	Salt affected soil is the major problem
Thematic area	Paddy- wheat- fallow, varietal evaluation, CSR-BIO effect
Farmers' Practices	No use of salt tolerant variety and CSR-BIO
Details of technologies selected for assessment/refinement	SHIAT-4 SHIAT-4+ CSR-BIO
Source of technology	Central Soil Salinity Research Institute, Regional Station, Lucknow
No. of farmers	5

Critical input	Seed & Bio-formulation
Performance indicators	Technical: Physiological Cost of work 1. Change in pH, EC, Organic Carbon, NPK of Soil 2. Effect of growth, tillers/hill Economic: Yield Qtl/ha. Social : Farmers Acceptability

### OFT-7

Crop/ Enterprise	Rice
Title of on-farm trial	<b>Evaluation of Bio-fortified rice variety rich in protein content to combat nutritional deficiency disorders.</b>
Problem diagnosed	High prevalence of nutritional deficiency in rural sector.
Thematic area	Nutritional Management
Farmers' Practices	Ganga Kaveri
Details of technologies selected for assessment/refinement	T <sub>1</sub> - Ganga Kaveri T <sub>2</sub> - CR Dhan-310 (Rich in Protein Content)
Source of technology	National Rice Research Institute, Cuttack, Odisha
No. of farmers	5
Critical input	Seed : CR Dhan-310
Performance indicators	Physical Parameters Nutritional Parameters Economic and Sensory Parameters As per format developed under NARI program

### OFT – 8

Rice Transplanter	
Title of on-farm trial	Enhancing work efficiency and reducing drudgery of farm women involved in Paddy Transplanting
Problem diagnosed	Low work efficiency and high drudgery in manual transplanting of Paddy
Thematic area	Drudgery Reduction
Farming Situation	Rain fed and Irrigated
Farmers' Practices	transplanting by hand in bending posture
Details of technologies selected for assessment/refinement	T1- Manual Transplanting T2- Use of Four Row Rice Transplanter
Source of technology	CRRI Cuttack
No. of farmers	20
Critical input	Rice Transplanter
Performance indicators	Technical: Physiological Cost of work (a) Heart Rate (b) Energy Expenditure Rate (c) Energy Consumption Rate (d) Muscular Stress Economic: (a) Output – area covered per hour (b) Labour Saving- per man days Social : Acceptability

### OFT-9

Crop/ Enterprise	<b>Coarse Grain</b>
Title of On Farm Trial	Use of Happy Seeder for Wheat Sowing along with crop residue management.



Problem diagnosed	High use of Wheat seed and fertilizer, burning of crop residue that Deteriorate the soil.
Farming situation	Irrigated
Farmers Practice	Rotavator
Details of technologies selected for assessment/refinement	T <sub>1</sub> - Sowing with Rotavator (Farmers Practice)
	T <sub>2</sub> - Happy Seeder
No of Farmers	6
Source of Technology	P.A.U. Ludiana, Punjab
Critical Input	Seed & Machinery
Performance Indicator	Technical- Yield Q/ha
	Economic- Net Profit and B:C ratio
	Social- Farmers acceptability

#### OFT-10

Crop/ Enterprise	Brinjal
Title of On Farm Trial	Increase the production of Brinjal by reducing the weed through the application of plastic mulching
Problem diagnosed	soil and water conservation and weed control
Farming situation	Irrigated
Farmers Practice	No use of plastic mulching
Details of technologies selected for assessment/refinement	T <sub>1</sub> -Brinjal without mulching (Farmers Practice)
	T <sub>2</sub> -Brinjal with plastic mulching
	T <sub>3</sub> -Brinjal with paddy straw mulch
No of Farmers	4
Source of Technology	Chandra Shekhar Azad University of Agriculture and Technology, Kanpur.
Critical Input	Brinjal and Polyethylene sheet
Performance Indicator	Technical- Yield Q/ha
	Economic- Net Profit and B:C ratio
	Social- Farmers acceptability

#### OFT-11

Title of on-farm trial	Promotion and Extension of Kadaknath breed of Poultry in rural areas of Unnao district
Problem diagnosed	Low Price and no profit in poultry sector with low nutritional value.
Thematic area	Breed improvement
Farmers' Practices	They are using only local or unidentified breed for poultry farming
No. of animals	T <sub>1</sub> - Farmer Practice (Poultry farming with local or unidentified breed of poultry)
	T <sub>2</sub> - Demonstration Practice (Poultry farming with Kadaknath breed of poultry)
Source of technology	ICAR- Central Avian Research Institute, Izzatnagar- (Bareilly)
Critical input	216
Details of technologies selected for assessment/refinement	Chicks of Kadaknath (30 days old)
Performance indicators	Technical: a) Egg production b) No of chicks selling c) Cost benefit ratio.

d) Social- Farmers acceptability

**OFT-12**

Title of on-farm trial	Effect of bypass fat in milk production and milk composition
Problem diagnosed	Low milk yield and less fat, SNF in milk
Thematic area	Nutrition management
Farmers' Practices	Farmer are using only straw and bran
No. of animals	20
Source of technology	ICAR-National Dairy Research Institute, Karnal (HR)-132001
Critical input	Bypass fat powder and dewormer
Details of technologies selected for assessment/refinement	T1- Farmers practices (Straw and brain) T2- Farmer Practice + bypass fat (20 gm/day/ltr Milk) and Dewormer (Fenbendazole)
Performance indicators	Technical: a) Milk production and composition before and after intervention. b) Cost benefit ratio. c) Social- Farmers acceptability

**OFT - 13**

Title of on-farm trial	IPM approach for shoot and fruit borer in Brinjal.
Problem diagnosed	Low yield of Brinjal crop due to heavy infestation of Shoot and Fruit borer.
Thematic area	IPM
Farmers' Practices	Injudicious use of insecticides
No. of animals	4
Source of technology	NCIPM, New Delhi
Critical input	Pheromone trap & Insecticide
Details of technologies selected for assessment/refinement	T1-Farmers Practice (Use of Profenophos 600ml/ha) T2- Lucin lure 4 times @ 15 no/ha with water trap + Clipping of infected shoots at 4 night interval + singal application of Emamectin benzoate 5% SG @ 10g a.i./ha
Performance indicators	Technical: a) Reduction in mango webber infestation. b) Yield, Q/ha c) C:B ratio

**OFT - 14**

Title of on-farm trial	IPM of Mango leaf Webber
Problem diagnosed	Reduction in quality and yield due to heavy infestation of Mango leaf webber.
Thematic area	IPM
Farmers' Practices	No effective management adopted for mango leaf Webber
No. of animals	5
Source of technology	CISH, Rehmankheda, Lucknow
Critical input	Leaf web removing device developed by CISH, Lucknow & Insecticide
Details of technologies selected for assessment/refinement	T <sup>1</sup> -Farmers Practice (Injudicious and repetitive use of insecticide beyond ETL) T <sup>2</sup> - Removal of leaf web removing device developed by CISH, Lucknow and burning them + spray of Imadacyhalothrin 5 EC ( 2 ml/lit of water + If the infestation persists, second spray after 15-20 days of first spray)
Performance indicators	<b>Technical:</b> No of affected shoot/Plant. No of affected Fruit/Plant. Yield, Q/ha Reduction in larval infestation C:B ratio

### 3.2 Frontline Demonstrations

#### A. Details of FLDs to be organized (Based on soil test analysis)

##### CFLDs Under NFSM & NMOOP

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers / demon.	Parameters identified
1	Green Gram	Improved variety	ICM	HYV	Seed, Bio-fertilizer	Kharif 2022	20	80	Yield, benefit & others
2	Blackgram	Improved variety	ICM	HYV	Seed, Bio-fertilizer	Kharif 2022	20	60	Yield & Economic
3	Pigeon pea	Improved variety	ICM	HYV	Seed, Bio-fertilizer	Kharif 2022	20	50	Yield & Economic
4	Sesamum	Improved variety	ICM	HYV	Seed, Bio-fertilizer	Kharif 2022	10	120	Yield & Economic
5	Groundnut	Improved variety	ICM	HYV	Seed, Bio-fertilizer	Kharif 2022	20	50	Yield & Economic
6	Field Pea	Improved variety	ICM	HYV	Seed, Bio-fertilizer	Rabi 2022	20	55	Yield & Economic
7	Chickpea	Improved variety	ICM	HYV	Seed, Bio-fertilizer	Rabi 2022	20	40	Yield & Economic
8	Lentil	Improved variety	ICM	HYV	Seed, Bio-fertilizer	Rabi 2022	20	65	Yield & Economic
9	Mustard	Improved variety	INM	HYV	Seed, sulphar	Rabi 2022	50	120	Yield & Economic
10	Greengram	Improved variety	ICM	HYV	Seed, Bio-fertilizer	Zaid 2022	20	80	Yield, benefit & others
11	Blackgram	Improved variety	ICM	HYV	Seed, Bio-fertilizer	Zaid 2022	20	60	Yield & Economic
12	Groundnut	Improved variety	ICM	HYV	Seed, Bio-fertilizer	Zaid 2022	20	50	Yield & Economic
<b>Total</b>							<b>260</b>	<b>830</b>	

##### Other crops CFLDs under KVK

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers / demon.	Parameters identified
1	Brinjal	Improved variety	ICM	HYV	Seed, Thiram & micro nutrient	Rabi 2022	2.0	10	Yield
2	Bitter Guard	Improved variety	ICM	HYV	Seed, Thiram & micro nutrient	Zaid 2022	2.0	20	Yield
3	Paddy	Improved variety	INM	Sat Tolerant Variety + Halophilic Bio formulation	Seed, Bioformulation	Kharif 2022	5.0	12	Yield & Soil Health
4	Wheat	Improved variety	INM	Sat Tolerant Variety + Halophilic Bio formulation	Seed, Bioformulation	Rabi 2022	5.0	12	Yield & Soil Health
5	Mango	Improved variety	Value addition	Dehydration of Mango Pulp using Solar	Carboys, S.S trays	Kharif 2022	-	10	Income and quality of product

				Dryer					
6	Fruits and Vegetables	-	Nutritional Gardening	Planned layout, Yearly calendar and HYV seeds and seedlings	HYV seeds and seedlings	Rabi 2022	0.2	10	Yield, availability of fruit and vegetables in the diet
7	Wheat	-	Storage technique	Hermetic Storage Bags	Hermetic Storage Bags	2022	-	20	Post-harvest losses
8	Rice	Improved variety	Nitrogen management for improving use efficiency	Neem coated urea and leaf colour chart (LCC)	Leaf colour chart (LCC)	Kharif, 2022	2	8	Plant height, Number of tillers, number of grains per panicle, test weight and Yield
9	Wheat	Improved variety	Nitrogen management for improving use efficiency	Neem coated urea and leaf colour chart (LCC)	Leaf colour chart (LCC)	Rabi-2022	2	8	Plant height, Number of tillers, number of grains per ears, test weight and Yield
10	Tomato	Improved variety	Integrated pest management	Pheromone trap,	Pheromone trap	Rabi-2022	1	5	Yield, fruit per plant
11	Paddy	Improved variety	Integrated disease management	Bio-fertilizer, fungicide, insecticide	Bio-fertilizer, fungicide, insecticide	Kharif-2022	2	10	Plant height and Yield
12	Tomato	Improved variety	Soil and Water Conservation	Mulching	Polythene Sheet	Rabi-2022	1	5	Plant height and Yield
13	Pigeon pea	Improved variety	RCT	Line Sowing	Seed Drill	Kharif-2022	1	15	Yield and Economics
14	Field Pea	Improved variety	RCT	Line Sowing	Seed Drill	Rabi-2022	1	15	Yield and Economics
<b>Total</b>							<b>24.2</b>	<b>140</b>	

#### CFLDs of Fodder crop

1	Sorghum -Sudan grass	SSG-01 (Multi cut)	Fodder production	Improved variety	Seed and Fungicide	March and April 2023	4.0	30	Yield, No. of cutting
2	Mineral	Mineral Powder	Nutrient Management	-	Mineral powder	June-July-2023	100	20	Milk Yield, Disease incidence, B:C ratio
3	Barseem	BB-2	Fodder production	Improved variety	Seed and Fungicide	Oct-Nov-2023	4.0	30	Yield , no. of cutting
								<b>80</b>	

Sponsored Demonstration- Nil

**B. Extension and Training activities under FLDs**

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	35	2022	780
2	Farmers Training	28	2022	1250
3	Media coverage	40	2022	-
4	Training for extension functionaries	8	2022	200

**C. Details of FLD on Enterprises****(i) Farm Implements**

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Groundnut Decorticator	Ground nut	2022	10	-	Machine and Technical knowledge	Physiological stress Output (Area covered , m2/h)
CONO Weeder	Paddy	Kharif-2022	10	-	Machine and Technical knowledge	Physiological stress Output (Area covered , m2/h)
Paddy Drum Seeder	Paddy	Kharif-2022	12	4.0	Machine and Technical knowledge	Yield and labour cost
Zero Seed Drill	Wheat	Rabi-2022	15	5.0	Machine and Technical knowledge	Yield and input cost

**(ii) Livestock Enterprises**

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
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**3.3 Training (Including the sponsored and FLD training programmers):  
ON Campus**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	2	40	20	60	20	10	30	90
Resource Conservation Technologies	1	10	5	15	5	5	10	25
Crop Diversification	1	10	5	15	5	5	10	25
Water management	1	10	5	15	5	5	10	25
Seed production	1	20	10	30	12	8	20	50
Nursery management	1	10	5	15	5	5	10	25
Integrated Crop Management	1	10	5	15	5	5	10	25
Production of organic inputs	1	10	5	15	5	5	10	25
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	01	28	-	28	05	-	05	33
Off-season vegetables	01	25	-	25	11	05	16	41
<b>b) Fruits</b>								
Layout and Management of Orchards	01	20	-	20	06	-	06	26
Cultivation of Fruit	01	20	-	20	06	-	06	26
Management of young plants/orchards	01	25	-	25	07	-	07	32
<b>c) Ornamental Plants</b>								
<b>d) Plantation crops</b>								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	25	-	25	7	-	7	32
Integrated Nutrient Management	1	25	-	25	6	-	6	31
Production and use of organic inputs	1	22	-	22	6	-	6	28
Management of Problematic soils	1	20	-	20	7	-	7	27
Nutrient Use Efficiency	1	30	-	30	8	-	8	38
Soil and Water Testing	2	25	-	25	20	-	20	45
<b>IV Livestock Production and Management</b>								
Dairy Management	2	15	5	20	20	5	25	45
Poultry Management	1	15	10	25	10	5	15	40
Rabbit Management/goat	1	5	8	13	10	5	15	28
Disease Management	1	15	8	23	5	5	10	33
Feed management	4	65	5	70	20	5	25	95
Production of quality animal products	1	10	0	10	15	0	15	25
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	0	5	5	0	20	20	25
Design and development of low/minimum cost diet	1	-	7	7	-	10	10	17
Minimization of nutrient loss in processing	1	-	6	6	-	9	9	15
Value addition	1	-	10	10	-	10	10	20
Income generation activities for empowerment of rural Women	2	-	14	14	-	20	20	34
Women and child care	1	-	7	7	-	8	8	15
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems	1	25	-	25	5	-	5	30
Use of Plastics in farming practices		-	-	-	-	-	-	-
Production of small tools and implements	2	45	-	45	10	-	10	55
Repair and maintenance of farm machinery and implements	1	22	-	22	8	-	8	30
Small scale processing and value addition	1	20	-	20	5	-	5	25

Post Harvest Technology	1	25	-	25	5	-	5	30
<b>VII Plant Protection</b>								
Integrated Pest Management	2	25	15	40	10	8	18	58
Integrated Disease Management	2	30	10	40	10	10	20	60
Bio-control of pests and diseases	2	10	10	20	20	5	25	45
Production of bio control agents and bio pesticides	2	35	10	40	10	5	15	65
<b>VIII Fisheries</b>								
<b>IX Production of Inputs at site</b>								
Vermi-compost production	1	15	-	15	5	-	5	20
Organic manures production	1	20	-	20	8	-	8	28
Production of livestock feed and fodder	1	5	0	5	18	0	18	23
<b>X Capacity Building and Group Dynamics</b>								
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management	1	10	0	10	20	0	20	30
Integrated Farming Systems	2	10	10	20	30	10	40	60
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>57</b>	<b>802</b>	<b>192</b>	<b>989</b>	<b>385</b>	<b>183</b>	<b>568</b>	<b>1567</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	01	18	-	18	5	-	5	23
Bee-keeping	01	30	10	40	05	10	15	55
Integrated farming	02	27	-	27	24	-	24	51
Production of organic inputs	1	20	-	20	6	-	6	26
Vermi-culture	1	25	-	25	7	-	7	32
Repair and maintenance of farm machinery and implements	2	40	-	10	-	-	10	50
Nursery Management of Horticulture crops	02	38	2	40	11	-	11	51
Value addition	01	-	15	15	-	5	5	20
Dairying	01	15	5	20	05	05	10	30
Sheep and goat rearing	01	15	05	20	10	05	15	35
Poultry production	01	15	05	20	05	05	10	30
Para vets	01	15	-	15	05	-	05	20
Small scale processing	02	-	26	26	-	12	12	38
Tailoring and Stitching	01	-	10	10	-	10	10	20
Rural Crafts	01	-	13	13	-	6	6	19
<b>TOTAL</b>	<b>19</b>	<b>258</b>	<b>86</b>	<b>314</b>	<b>78</b>	<b>48</b>	<b>136</b>	<b>480</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	02	60	-	60	-	-	-	60
Integrated Pest Management	01	15	-	15	5	-	5	20
Integrated Nutrient management	1	20	-	20	8	-	8	28
Formation and Management of SHGs	01	-	10	10	-	12	12	22
Care and maintenance of farm machinery and implements	01	20	-	20	5	-	5	25
Livestock feed and fodder production	01	10	10	20	5	10	15	35
Women and Child care	01	-	11	11	-	7	7	18
Production and use of organic inputs	01	18	-	18	5	-	5	23
<b>TOTAL</b>	<b>9</b>	<b>143</b>	<b>21</b>	<b>164</b>	<b>28</b>	<b>19</b>	<b>47</b>	<b>211</b>
<b>G. Total</b>	<b>85</b>	<b>1203</b>	<b>299</b>	<b>1467</b>	<b>491</b>	<b>250</b>	<b>751</b>	<b>2258</b>

**OFF Campus**

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1	30	13	43	13	7	20	63
Resource Conservation Technologies	1	20	10	30	10	5	15	45
Cropping Systems	1	15	5	20	5	5	10	30
Crop Diversification	1	10	5	15	5	5	10	25
Integrated Farming	1	10	5	15	5	5	10	25
Water management	1	10	5	15	5	5	10	25
Seed production	1	20	10	30	12	8	20	50
Nursery management	1	10	5	15	5	5	10	25
Integrated Crop Management	1	20	10	30	12	8	20	50
Fodder production	1	10	5	15	5	5	10	25
Production of organic inputs	1	20	10	30	12	8	20	50
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	1	22	-	22	5	-	5	27
Off-season vegetables	1	5	5	10	10	10	20	30
<b>b) Fruits</b>								
Cultivation of Fruit	01	25	-	25	05	-	05	30
Rejuvenation of old orchards	03	60	-	60	21	-	21	81
<b>c) Ornamental Plants</b>								
Export potential of ornamental plants	01	20	-	20	05	-	05	25
<b>d) Plantation crops</b>								
<b>e) Tuber crops</b>								
<b>f) Spices</b>								
<b>g) Medicinal and Aromatic Plants</b>								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	20	-	20	6	-	6	26
Soil and Water Conservation	1	25	0	25	5	0	5	25
Integrated Nutrient Management	2	55	-	55	12	-	12	67
Production and use of organic inputs	2	50	-	50	15	-	15	65
Management of Problematic soils	1	25	-	25	7	-	7	32
Micro nutrient deficiency in crops	2	45	-	45	13	-	13	58
<b>IV Livestock Production and Management</b>								
Dairy Management	2	20	10	30	10	10	20	50
Poultry Management	1	20	-	20	5	-	5	25
Rabbit Management /goat	1	10	0	10	20	0	20	30
Disease Management	1	20	-	20	10	-	10	30
Feed management	3	50	15	65	15	10	25	80
Production of quality animal products	1	10	10	20	8	5	13	33
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	-	6	6	-	10	10	16
Designing and development for high nutrient efficiency diet	1	-	17	17	-	5	5	22
Minimization of nutrient loss in processing	1	-	6	6	-	9	9	15
Gender mainstreaming through SHGs	1	-	7	7	-	9	9	16



Storage loss minimization techniques	1	-	10	10	-	5	5	15
Value addition	1	-	11	11	-	7	7	18
Income generation activities for empowerment of rural Women	2	-	17	17	-	14	14	31
Location specific drudgery reduction technologies	1	-	8	8	-	9	9	17
Rural Crafts	1	-	10	10	-	20	20	30
Women and child care								
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems	1	25	-	25	5	-	5	30
Use of Plastics in farming practices	1	20	-	20	5	-	5	25
Production of small tools and implements	2	45	-	45	10	-	10	55
Repair and maintenance of farm machinery and implements	3	62	-	62	18	-	18	80
Small scale processing and value addition	2	40	-	40	15	-	15	30
Post-Harvest Technology	1	25	-	25	5	-	5	30
<b>VII Plant Protection</b>								
Integrated Pest Management	2	25	15	40	10	8	18	58
Integrated Disease Management	2	30	10	40	10	10	20	60
Bio-control of pests and diseases	1	15	10	25	5	5	10	35
Production of bio control agents and bio pesticides	2	40	15	55	15	10	25	80
<b>VIII Fisheries</b>								
<b>IX Production of Inputs at site</b>								
<b>X Capacity Building and Group Dynamics</b>								
<b>XI Agro-forestry</b>								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>61</b>	<b>984</b>	<b>240</b>	<b>1224</b>	<b>355</b>	<b>202</b>	<b>557</b>	<b>1751</b>

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	3	70	33	103	33	17	50	153
Resource Conservation Technologies	2	30	15	45	15	10	25	70
Cropping Systems	1	15	5	20	5	5	10	30
Crop Diversification	2	20	10	30	10	10	20	50
Integrated Farming	1	10	5	15	5	5	10	25
Water management	2	20	10	30	10	10	20	50
Seed production	2	40	20	60	24	16	40	100
Nursery management	2	20	10	30	10	10	20	50
Integrated Crop Management	2	30	15	45	17	13	30	75
Fodder production	1	10	5	15	5	5	10	25
Production of organic inputs	2	30	15	45	17	13	30	75
<b>II Horticulture</b>								
Off-season vegetables	2	50	0	50	10	0	10	60
Nursery raising	2	30	5	35	21	15	36	71
Layout and Management of Orchards	1	20	0	20	6	0	6	26
Cultivation of Fruit	2	45	0	45	11	0	11	56
Management of young plants/orchards	1	25	0	25	7	0	7	32
Rejuvenation of old orchards	3	60	0	60	21	0	21	81

Export potential of ornamental plants	1	20	0	20	5	0	5	25
<b>d) Plantation crops</b>								
<b>f) Spices</b>								
<b>g) Medicinal and Aromatic Plants</b>								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	2	45	0	45	13	0	13	58
Soil and Water Conservation	1	25	0	25	5	0	5	25
Integrated Nutrient Management	3	80	0	80	18	0	18	98
Production and use of organic inputs	3	72	0	72	21	0	21	93
Management of Problematic soils	2	45	0	45	14	0	14	59
Micro nutrient deficiency in crops	2	45	0	45	13	0	13	58
Nutrient Use Efficiency	1	30	0	30	8	0	8	38
Soil and Water Testing	2	25	0	25	20	0	20	45
<b>IV Livestock Production and Management</b>								
Dairy Management	3	35	5	40	26	5	31	71
Poultry Management	2	35	10	45	15	5	20	65
Piggery Management	0	0	0	0	0	0	0	0
Rabbit Management/goat	1	10	0	10	20	0	20	30
Disease Management	2	35	8	43	15	5	20	63
Feed management	6	115	5	120	35	0	35	155
Production of quality animal products	2	20	10	30	23	5	28	58
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	2	0	11	11	0	30	30	41
Design and development of low/minimum cost diet	1	0	7	7	0	10	10	17
Designing and development for high nutrient efficiency diet	1	0	17	17	0	5	5	22
Minimization of nutrient loss in processing	2	0	12	12	0	18	18	30
Gender mainstreaming through SHGs	1	0	7	7	0	9	9	16
Storage loss minimization techniques	1	0	10	10	0	5	5	15
Value addition	2	0	21	21	0	17	17	38
Income generation activities for empowerment of rural Women	4	0	31	31	0	34	34	65
Location specific drudgery reduction technologies	1	0	8	8	0	9	9	17
Rural Crafts	1	0	10	10	0	20	20	30
Women and child care	1	0	7	7	0	8	8	15
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems	2	50	0	50	10	0	10	60
Use of Plastics in farming practices	1	20	0	20	5	0	5	25
Production of small tools and implements	4	90	0	90	20	0	20	110
Repair and maintenance of farm machinery and implements	4	84	0	84	26	0	26	110
Small scale processing and value addition	3	60	0	60	20	0	20	55
Post-Harvest Technology	2	50	0	50	10	0	10	60
<b>VII Plant Protection</b>								
Integrated Pest Management	4	50	30	80	20	16	36	116
Integrated Disease Management	4	60	20	80	20	20	40	120
Bio-control of pests and diseases	3	25	20	45	25	10	35	80
Production of bio control agents and bio pesticides	4	75	25	95	25	15	40	145
<b>VIII Fisheries</b>								
<b>IX Production of Inputs at site</b>								
Vermi-compost production	1	15	0	15	5	0	5	20

Organic manures production	1	20	0	20	8	0	8	28
Production of livestock feed and fodder	1	5	0	5	18	0	18	23
<b>X Capacity Building and Group Dynamics</b>								
<b>XI Agro-forestry</b>								
Nursery management	1	10	0	10	20	0	20	30
Integrated Farming Systems	2	10	10	20	30	10	40	60
<b>TOTAL</b>	<b>118</b>	<b>1786</b>	<b>432</b>	<b>2213</b>	<b>740</b>	<b>385</b>	<b>1125</b>	<b>3318</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	01	18	-	18	5	-	5	23
Bee-keeping	01	30	10	40	05	10	15	55
Integrated farming	02	27	-	27	24	-	24	51
Seed production	1	20	-	20	6	-	6	26
Vermi-culture	1	25	-	25	7	-	7	32
Repair and maintenance of farm machinery and implements	2	40	-	10	-	-	10	50
Nursery Management of Horticulture crops	02	38	2	40	11	-	11	51
Value addition	01	-	15	15	-	5	5	20
Dairying	01	15	-	15	05	-	05	20
Sheep and goat rearing	01	15	05	20	05	05	10	30
Poultry production	01	15	05	20	05	-	05	25
Para vets	01	15	-	15	05	-	05	20
Small scale processing	02	-	26	26	-	12	12	38
Tailoring and Stitching	01	-	10	10	-	10	10	20
Rural Crafts	01	-	13	13	-	6	6	19
<b>TOTAL</b>	<b>19</b>	<b>258</b>	<b>86</b>	<b>314</b>	<b>78</b>	<b>48</b>	<b>136</b>	<b>480</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	02	60	-	60	-	-	-	60
Integrated Pest Management	01	15	-	15	5	-	5	20
Integrated Nutrient management	1	20	-	20	8	-	8	28
Formation and Management of SHGs	01	-	10	10	-	12	12	22
Care and maintenance of farm machinery and implements	01	20	-	20	5	-	5	25
Livestock feed and fodder production	01	10	-	10	5	-	5	15
Women and Child care	01	-	11	11	-	7	7	18
Production and use of organic inputs	1	18	-	18	5	-	5	23
<b>TOTAL</b>	<b>9</b>	<b>143</b>	<b>21</b>	<b>164</b>	<b>28</b>	<b>19</b>	<b>47</b>	<b>211</b>
<b>Grand Total</b>	<b>146</b>	<b>2187</b>	<b>539</b>	<b>2691</b>	<b>846</b>	<b>452</b>	<b>1308</b>	<b>4009</b>

### 3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	30	300	50	350	16	2	18	316	52	368
KisanMela	01	1000	500	1500	50	5	55	1050	505	1555
KisanGosthi	6	1800	300	2100	40	5	45	1840	305	2145
Exhibition	5	2000	500	2500	50	5	55	2050	505	2555
Film Show	5	200	50	250	5	3	8	205	55	260
Farmers Seminar	12	50	10	60	5	-	5	55	10	65
Workshop	15	800	100	900	25	5	30	825	105	930
Group meetings	50									
Lectures delivered as resource persons	10									
Newspaper coverage	20									
Radio talks	30									
TV talks	10	6000	500	6500	200	50	250	6200	550	6750
Popular articles	30	300	50	350	16	2	18	316	52	368

Extension Literature	01	1000	500	1500	50	5	55	1050	505	1555
<b>Advisory Services</b>										
Scientific visit to farmers field	250	350	50	400	15	5	20	365	55	420
Farmers visit to KVK	125	8000	3000	11000	900	100	1000	8900	3100	12000
Diagnostic visits	30									
Exposure visits	7									
Ex-trainees Sammelan	3									
Soil health Camp	10									
Animal Health Camp	2									
Agri mobile clinic	6	250	50	300	4	2	6	254	52	306
Soil test campaigns	2	25	5	30				25	5	30
Farm Science Club Conveners meet	4	500	200	700	10	2	12	510	202	712
Celebration of important days (specify)	1									
KrishiMohostva	1									
KrishiRath	4	200	50	250	8	2	10	208	52	260
PMFBY Sammelan	7									
Soil Health Cards distribution	3									
<b>Total</b>	<b>678</b>	<b>22775</b>	<b>5915</b>	<b>22840</b>	<b>1394</b>	<b>193</b>	<b>1587</b>	<b>24169</b>	<b>6110</b>	<b>30279</b>

### 3.5 Target for Production and supply of Technological products SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)	Distributed to the farmers (Nos.)
CEREALS	Paddy	New release variety	200	500
	Wheat	New release variety	200	700
OILSEEDS	Sesamum	RT-346	1	
	Mustard	RGN-73	4	
PULSES	Field Pea	New release variety	05	
	Chick Pea	New release variety	05	
	Pigeon Pea	New release variety	02	
	Green Gram	New release variety	02	
	Black Gram	New release variety	02	
VEGETABLES				
OTHERS (Specify)	Vegetable Pea	Azad pea-3, KashiUday	0.5	
	Garlic	G-282	03	
	Onion	ALR	25	

**PLANTING MATERIALS**

Sl. No.	Crop	Variety	Quantity (Nos.)	Distributed to the farmers (NO.)
FRUITS	Mango	Dashari, Chauncha, Amrapali	4000	
	Aonla	NA 6, 7 & 10	500	
	Bale	NB -5, 9 ItavaKagzi	500	
	Guava	L-49, CISH Safada	2000	
	Papaya	Pusa Delicious, PusaNanha	1000	
SPICES				
VEGETABLES	Tomato, Brinjal, Chilli, Cabbage & Cauliflower		40000	
FOREST SPECIES	Eucalyptus		5000	
	Sagaun		-	
	Neem		1000	
	Populas		1000	
	Seasum		500	
ORNAMENTAL CROPS	Rose, Marigold, Chrysanthemum, Seasonal flowers etc.		4500	
Total			60000	
FRUITS	Mango	Dashari, Chauncha, Amrapali	4000	

**BIO-PRODUCTS**

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>				
1	Worms	-	-	50
2	Vermicompost	-	-	30000
3	<i>Trichoderma</i>	<i>Trichoderma viridae/ Trichoderma harzianum</i>	-	500

**LIVESTOCK**

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit

**3.6 Literature to be Developed/Published**

- (A) **KVK News Letter** :
- Date of start :
- Number of copies to be published :

**(B) Literature developed/published**

S.No.	Topic	No.	Name of Journal/literature
1	Research paper by each scientist	8	
2	Technical reports	07	
3	News letters	07	
4	Training manual all discipline	03	
5	Popular article	10	
6	Extension literature	06	
	<b>Total</b>	40	

**(C) Details of Electronic Media to be Produced**

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	-	Recent Agriculture / Animal Science/ Vegetable Science /home Science and other technology.	05

**3.7. Success stories/Case studies identified for development as a case. (5 by each KVK)**

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
  - i) Social economic
  - ii) Bio-Physical
- f. Good Action Photographs

**3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers**

- a)
- b)
- c)

**Rural Youth**

- a)
- b)
- c)
- d)

**In-service personnel**

- a)
- b)
- c)

**3.9 Indicate the methodology for identifying OFTs/FLDs**

**For OFT :**

i)	PRA	Yes
ii)	Problem identified from Matrix	Yes
iii)	Field level observations	Yes

iv)	Farmer group discussions	Yes
v)	Others if any	

**For FLD :**

i)	New variety/technology	Yes
ii)	Poor yield at farmers level	Yes
iii)	Existing cropping system	Yes
iv)	Others if any	

**3.10 Field activities**

S.N	Name of activities	Name of Village	Name of Block
1	Training	Pilkhana, DhauraBaratikhera, Buxikhera, Hasanganj, HazipurTareha, Kamalpur, Unchdwar, Ghuramau, Haraunia, Pichwada, Maljha, Ataulanagar, Koraura, Shankerpur, Panchgayan, Unchgaon, BibipurChiryaripur, Hyderabad, Akbarpur, Malhuly Nindeymau, Farahdpur, Sultanapur, Neotani,	Hasanganj, Bangarmau, FatehpurChaurasi, Hilauli,Safipur, Miyaganj, Auras, Sikandarpur Karan
2	FLD	Unchdwar, Ghuramau, Haraunia, Bhogla, Badbadakheda, Mohan, Munsikheda, Buxikheda, Hasanganj, Hyderabad, Naikaha, KundiMorawa, Haroni, tikra, gosakutub ,samad,tikra,chandpurPichwada, Maljha, Ataulanagar, Koraura, Hyderabad, Akbarpur, MalhulySafiyapur, Kusaila, Mirzapur,	Hasanganj,Ganjmuradabad Auras, Miyaganj, Safipur,Fatehpurchaurasi
3	OFT	Buxikhera, Hasanganj, HazipurTareha, Kamalpur, Unchdwar, Ghuramau, Haraunia, Aerekala	Hasanganj, Auras, Miyaganj
4	Extension activities	Jagdishpur, Dhakwa, Fakrudeenmau, Naisari, Nawai, Sekhupurbujuraj, Gauriyakala, Dholaua, Asharfabad, Munnakhera, Birajikhera, Fatehpur, Akbarkhera,Pipari, Jajrauli, Rajakhera, Sikenderpur, Sadipur, Arjupur, Ramdeenkhera, Kanhikhera, Baburiya, Mathar, Kakraura, Maumansoorpur, Razakpur, Kurina, BhadsarNausara, Safiyapur, Kusaila, Mirzapur, Hyderabad, Akbarpur, MalhulySaraimanihar, Sumerpur, Rawatpur, Namakheda, Rishalkheda,Kalani,tikrasamad,tikra,chandpur,	Hasanganj, Bangarmau, Fatehpur Chaurasi, Hilauli,Safipur, Miyaganj, Auras, Sikandarpur Karan

- ii. No. of farm families selected per village : 01
- iii. No. of survey/PRA conducted : 05
- iv. No. of technologies taken to the adopted villages : 07
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

**3.11. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab: Working condition

- 1- Year of establishment : 2004-2005
- 2- List of equipment's purchase with amount

S. No	Name of the Equipment		
1	Lock Med.-7, Lock Big-1	7+1	285
2	Spectrophotometer	1	53750
3	Conductivity Meter with cell	1	9980
4	pH meter with Electrode	1	7933

5	Flame photometer with Na, ,K. filter and compressor	1	45039
6	Physical Balance With wt. Box	1	1450
7	Electronic Balance Saterious	1	90000
8	Water distillation still, Glaxo, QD-10	1	63000
9	Kjeldal digestion and distillation set-2	2	24200
10	Oven Universal Ambassador	1	7730
11	Hot Plate Universal	1	1400
12	Vacuum Section Pump	1	12625
13	Bunsel Burner with stopcock-2	1	320
14	Deioniser double bed	1	10590
15	Shaker VDRL type	1	4970
16	Shaker Rotary Remy	1	33900
17	Electronic Balance Systronic6 kg.	1	29670
18	Willy Grinder	1	19000
19	Oven Universal size 18x18x18"	1	8880
20	Hot Plate Rectangular	1	8267
21	Chemical Balance	1	1950
22	Mixer Remi Make	1	3740
23	Magnetic stirrer with Hot Plate	1	3730
24	Boucos Hydrometer-2	2	460
25	LG Refrigerator	1	16850
26	Seives-8" BSS 72- 2 Hygrometer-1	1	2090
27	3 Steel Almirah Small size	3	2550
28	Field Marshal D.I. Diesel 10 KVA	1	39000
29	1 Steel Almirah 5 self 1 rack 38x15x78	1	4700
30	1 Steel Almirah Large Size	1	2570
31	Soil testing Laboratory setup (Digestion room, Gensetroom, lab's furniture and furnishing etc.)	-	343772

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	300	300	40	-
Water	20	20	10	-
Plant	50	50	20	-
Total	370	370	70	-

4. LINKAGES

4.1 Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1.	CSAUAT, Kanpur	Participation in meeting, training programmes.



2.	NDAUT, Faizabad	Procurement of seeds, Aonla plants.
3.	ICAR-Indian Institute of Pulse Research, Kanpur	Training programme and demonstration.
4.	State Department of Plant Protection	Training programme, joint diagnostic survey and implementation.
5.	ICAR-Central Institute for Sub-tropical Horticulture, RahmanKhera, Lucknow	Joint survey, farm development and technical guidance.
6.	DRDA, Unnao	By providing fund for establishment of Food processing unit to train women's self help group.
7.	CSIR-National Botanical Research Institute, Lucknow	Technical guidance in farm development.
8.	Department of Agriculture	Training Programme & Demonstration
9.	Department of Animal Husbandry	Joint diagnostic survey & implementation
10.	BAIF	Joint implementation
11.	Department of Horticulture	For plantation on farm
12.	Forest Department	Joint survey & farm development
13.	U.P. BhumiSudhar Nigam, Lucknow	To provide training programmes
14.	Doordarshan & ETV, Uttar Pradesh	For coverage and live telecast of KVK activities
15.	Ministry of Non-Conventional Energy Source (Govt. of India), New Delhi	Project for establishing an energy park in Virendra Kumar Singh Krishi Vigyan Kendra
16.	Department of Biotechnology, Govt. of India, New Delhi	By providing fund for Vermiculture production unit to train SC/ST and weaker sections for self-employment and establishment of production unit.
17.	NABARD, Unnao	Providing Kisan Club.
18.	Central Integrated pest management center Lucknow	To execute I.P.M. programmes in different crops
19.	ICAR-Central Soil Salinity Research Institute Regional office Lucknow	Provide salt tolerant varieties of paddy, wheat and mustard
20.	BSA (IWDP), Unnao	Training Programme
21.	ICAR-Indian Institute of Sugarcane Research, Lucknow	Technical Guidance
22.	Nehru Youva Kendra, Unnao	For training of youths

#### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

S. No.	Programme	Nature of linkage
1	IPM, Gosthi, Training, Demonstration	Meeting
2		

#### 4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Two days Training & serve of demonstration	Conducting
2		

#### 4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
--------	-----------	-------------------

1		
2		

**1. Utilization of hostel facilities**

**Accommodation available (No. of beds) : 50**

1	01	10
2	01	04
3	01	10
4	02	03
5	01	04
6	01	02
7	01	08
8	01	12
9	02	18
10	02	12
11	02	08
12	02	02
<b>Total</b>		<b>93</b>

**6. Convergence with departments:**

**7.1. Details of the programmes being implemented by your KVK in partnership with other institution**

S. No.	Name of Programme	Main Institution (IARI, DBT, DST, UPCAR, etc.)	Duration	Budget (in lakh)

**7.2. Brief achievements of above collaborative programmes**

S. No.	Name of Programme	Salient achievement	Impact of the programme
1			

**8. Achievements (Both Technical and physical) of sponsored programmes (As applicable to your KVK) during the reporting period (2015-16)**

S. No.	Name of Programme	Detailed Technical Achievements	Physical (infrastructural achievement)
1	TSP Project		
2	ARYA Project		
3	CFLD-NFSM Project		
	i. Kharif season		
	ii. Rabi season		
	iii. Summer season		
4	CSISA Project		
5	NICRA Project		
6	Soil Health Card		
7	Other (please specify)		
<b>Total</b>			

## ACTION PLAN

### **KVK PRATAPGARH**

(January to December, 2023)

#### **KVK -PRATAPGARH**

#### **1. GENERAL INFORMATION ABOUT THE KVK**

##### **1.1. Name and address of KVK with phone, fax and e-mail**

Address	Telephone		E mail	Website
	Office	FAX		
Raja Dinesh Singh Krishi Vigyan Kendra Kalakankar, Pratapgarh	9453021773 9453021774 9453021775		kvkpratapgarh@gmail.com rskvk@gmail.com,	<a href="http://www.pratapgarh.org">www.pratapgarh.org</a>

##### **1.2 .a. Name and address of host organization with phone, fax and e-mail**

Address	Telephone		E mail	Website
	Office	FAX		
Raja Avadhesh Singh Memorial Educational Society, Kalakankar, Pratapgarh (U.P)	05341-245201 97933731555 97933731666		kvkpratapgarh@gmail.com rskvk@gmail.com	

1.2.b. Status of KVK website : [www.pratapgarh.org](http://www.pratapgarh.org) (working)

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :

1.2.d Status of ICT lab at your KVK : Lab provide by ERNET - Not working









##### **1.3. Name of the Program Coordinator with phone & mobile no.**

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. A.K. Srivastava	+919415143774	9793731888 9415143774	akumar9002@gamil.com <a href="mailto:kvkpratapgarh@gmail.com">kvkpratapgarh@gmail.com</a> <a href="mailto:rskvk@gmail.com">rskvk@gmail.com</a>

**1.4. Year of sanction: 1999**

**1.5. Staff Position (as on 25 Sept. 2022)**

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Sr. Scientist/head	Dr. A.K.Srivastava	Sr. Scientist/head	Plant Protection	37400 - 67000	9000	57230	9 <sup>th</sup> April, 2008	Permanent	General	9415143774	<a href="mailto:akumar9002@gmail.com">akumar9002@gmail.com</a>	
2	Subject Matter Specialist	Mr. Mahendra Pratap Singh	Subject Matter Specialist	Horticulture	15600 - 39100	5400	15600	02 <sup>nd</sup> March, 2020	Permanent	OBC	9450072409	<a href="mailto:mahendrapratap409@gmail.com">mahendrapratap409@gmail.com</a>	
3	Subject Matter Specialist	Mr. Awadhesh Kr Singh	Subject Matter Specialist	Agri-Extension	15600 - 39100	5400	16880	02 <sup>nd</sup> July, 2018	Permanent	General	9415909281	<a href="mailto:awadheshndri@gmail.com">awadheshndri@gmail.com</a>	
4	Subject Matter Specialist	Dr. Naveen Kumar Singh	Subject Matter Specialist	Agro-nomy	15600 - 39100	5400	30490	10 <sup>th</sup> July 2007	Permanent	General	9415083550	<a href="mailto:Singhnaveen11@gmail.com">Singhnaveen11@gmail.com</a>	
5	Subject Matter Specialist	Mr. Bhaskar Shukla	Subject Matter Specialist	Agri-Economics	15600 - 39100	5400	22860	1 <sup>st</sup> April, 2010	Permanent	General	9453021774	<a href="mailto:Bhaskarshukla26@gmail.com">Bhaskarshukla26@gmail.com</a>	
6	Subject Matter Specialist	Smt. Swati Deepak Dubey	Subject Matter Specialist	Home Science	15600 - 39100	5400	22850	16 <sup>th</sup> July, 2012	Permanent	General	9628688555	<a href="mailto:swatideepak@yahoo.com">swatideepak@yahoo.com</a>	
7	Subject Matter Specialist	Dr Amit Baranwal	Subject Matter Specialist	Vet. Sci.	15600 - 39100	5400	16880	09 <sup>th</sup> July, 2018	Permanent	General	8765241510	<a href="mailto:amit.baranwal77@gmail.com">amit.baranwal77@gmail.com</a>	
8	Lab Technician	Mr. Yatendra Kumar	Lab Technician	Horticulture	9300-34800	4200	13980	11 <sup>th</sup> July, 2012	Permanent	OBC	8756755653	<a href="mailto:yatendrakumarjarpura@gmail.com">yatendrakumarjarpura@gmail.com</a>	

9	Computer Programmer	Mr. Prashant Kumar Upadhyay	Computer Programmer	Soil Science	9300-34800	4200	19020	12 <sup>th</sup> July 2007	Permanent	General	9450623108	<a href="mailto:kvkprashant@gmail.com">kvkprashant@gmail.com</a>	
10	Farm Manager	Mr. Pradeep Kumar Singh	Farm Manager	Soil Science	9300-34800	4200	23550	1 <sup>st</sup> Sept. 2000	Permanent	General	9415627949	<a href="mailto:pradeepsinghnp@gmail.com">pradeepsinghnp@gmail.com</a>	
11	Assistant	Dr. Ranjeet Singh	Assistant	Commerce	9300-34800	4200	21980	22 <sup>nd</sup> July, 2002	Permanent	General	9453021773	<a href="mailto:ranjeetsinghbh@gmail.com">ranjeetsinghbh@gmail.com</a>	
12	Stenographer	Mr. Vinod Kumar Chaurasia	Stenographer	Commerce	5200-20200	2400	14720	1 <sup>st</sup> April, 2004	Permanent	OBC	9452504393	<a href="mailto:vkchaurasiakvk@gmail.com">vkchaurasiakvk@gmail.com</a>	
13	Driver	Mr. Ram Chandra	Driver	-	5200-20200	2000	12470	1 <sup>st</sup> Oct. 2000	Permanent	OBC	9450185953		
14	Driver	Mr. Jugal Kishore Tiwari	Driver	-	5200-20200	2000	11800	1 <sup>st</sup> April 2004	Permanent	General	7376010083		
15	Supporting staff	Mr. G.R. Patel	Supporting staff	-	5200-20200	1800	10760	1 <sup>st</sup> Oct. 2000	Permanent	OBC	9415627921		
16	Supporting staff	Mr. Ravi Shankar	Supporting staff	-	5200-20200	1800	10760	1 <sup>st</sup> Oct. 2000	Permanent	OBC	9415489461		

#### 1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1527 sqm. + 780 sqm. (Old structure)
2.	Under Demonstration Units	Nursery 0.15 ha.
3.	Under Crops	10.0 ha.
4.	Horticulture	4.3 ha.
5.	Pond	1.5 ha.
6.	Others if any	3.46 ha.

**1.7. Infrastructural Development:**

**A) Buildings**

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq. m)	Status of construction
1.	Administrative Building	ICAR	06/01/2004	550	29.09	15/10/01	-	Completed
2.	Farmers Hostel	ICAR	24/01/2006	305	29.21	19/08/04	-	Completed
3.	Staff Quarters (6)	ICAR	31/03/08	405	31.58	05/12/05	-	Completed
4.	Demonstration Units (2)	ICAR	31/03/2006	27	1.95	20/02/06	-	Horti. Nursery 40%
5	Fencing	ICAR	24/03/2007	816 Rm	5.50	05/12/05	-	40%
6	Rain Water harvesting system	ICAR	-	4,275m <sup>2</sup>	-	29/03/2016	-	Completed
7	Threshing floor	ICAR	24/03/2007	557	3.81	15/12/05	-	
8	Farm godown	ICAR	09/12/2006	67	4.61	15/12/05	-	Completed

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Motorcycle (Hero Honda Splendor)	25/08/2000	41,800		Very Poor
Motorcycle (Hero Honda Super Splendor)	18/03/2005	41,755		Very Poor
Jeep (Bolero)	30/03/2010	5,67,440		Poor
Tractor	22/03/2012	5,90,613	2025 Hrs	Good

**C) Equipments & AV aids**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Over head projector	26/3/2001	11,250	Working
Projector screen	26/3/2001	1,610	Working
Automatic slide projector	26/3/2001	12,700	Working
P.A. System (Mike, Speaker, Amplifier & Stand)	27/3/2003	13,430	Working
T.V.	27/3/2003	7,490	Working
V.C.D.	27/3/2003	2,990	Working
V.C.R.	27/3/2003	8,250	Working
Photocopier	24/03/2007	74,831	Not Working
Digital Camera	31/03/2010	17,000	Working
LCD projector with PC	23/03/2012	1,00,890	Good

**1.8. A). Details of SAC meetings to be conducted in the year**

Sl.No.	Date
1. Scientific Advisory Committee	October 2023

## 2. DETAILS OF DISTRICT

### 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1.	Agri - AH
2.	Agri – Horti – AH

### 2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

#### a) Soil type

S. No	Agro ecological situation	Characteristics
1.	AES-I	Sandy loam soil, irrigation by canal and borewell, rainfed major crop Jowar-bajara, Arhar, Til& irrigated major crop wheat, paddy , mustard, vegetable crops viz. Tomato, Potato, Cucumber & Mango, Aonla plantation.
2.	AES-II	Clay loam soil, Irrigation by canal & borewell, paddy & wheat are major crops.
3.	AES-III	Clay soil dominated with sodicity, irrigation by canal, paddy & wheat are major crops.

#### b) Topography

S. No.	Agro ecological situation	Characteristics
1	AES – 1	Undulated ravines
2	AES – 2	Normal flat
3	AES – 3	Water logged and sodic

### 2.3 Soil Types

Sl. No	Soil type	Characteristics	Area (ha )
1	Sandy loam soil	Canal/tube well irrigated	215620.30
2	Clay loam soil	Canal irrigated	88555.10
3	Sodic soil	Canal irrigated & soil dominated with sodicity.	57421.60

### 2.4. Area, Production and Productivity of major crops cultivated in the district (2021-22)

S. No	Crop	Area (ha)	Production (mt)	Productivity (Qtl /ha)
<b>A</b>	<b>FIELD CROPS INCLUDING OIL SEEDS AND PULSES</b>			
1.	Paddy	98976	1682590	21.83
2.	Wheat	142160	3933300	27.7
3.	Jowar	4033	47620	14.14
4.	Bajara	15160	122950	8.24
5.	Arhar	13380	235300	19.17
6.	Mustard	2671	22910	8.6
7.	Potato	7132	1210640	169.7
8.	Field pea	5660	55100	10.18
9.	Bengal gram	5950	73800	12.4
10.	Urd	5140	24900	5.73
11.	Moong	400	1200	3.69
12.	Barley	1045	28090	14.5
<b>B</b>	<b>VEGETABLES</b>			
1.	Okara	7032	115984	16.0
2.	Lobia	288	4320	15.0
3.	Bottlegourd	2898	57960	20.0
4.	Ridge gourd	3161	66525	22.5

5.	Pumpkin	4375	87500	20.0
6.	Bittergourd	2728	46160	18
7.	Vegetable pea	6100	73200	12.0
8.	Cauliflower	2750	46750	17.0
9.	Cabbage	1967	31472	16.0
10.	Knol Khol	1672	25080	15.0
11.	Tomato	3968	67456	17.0
12.	Carrot	769	12688	16.5
13.	Raddish	1725	25875	15.0
14.	Spinach	1900	15200	15.0
15.	Brinjal	2997	50949	17.0
16.	Turnip	38	570	15.0
17.	Beet Root	26	213	8.2
18.	Chilly	1412	26887	19.03
19.	Kakdi	256	2048	08.0
20.	Kheera	530	4240	8.0
21.	Parval	12	60	05.0
22.	Tinda	500	7500	15.0
23.	Arvi	500	10000	20.0
24.	Watermelon	2000	40000	20.0
25.	Musk Melon	1000	20000	20.0

Source: District agriculture department.

### 2.6. Weather data (2022)

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January	41.0	18.8	9.0	92.38	75.7
February	0.0	24.48	9.8	91.50	58.57
March	0.0	35.20	16.60	87.48	44.64
April	0.0	41.30	22.88	74.83	33.33
May	31.0	37.20	26.35	80.60	50.70
June	50.8	39.70	28.12	77.76	48.33
July	183.4	35.68	27.40	88.64	67.87
August	147.5	33.08	26.23	90.12	74.90
September	205.0	33.0	25.53	93.08	74.08
October	103.0	32.5	24.2	97.0	75.0
November					
December					

### 2.7. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	90841		
<i>Indigenous</i>	465810		
<b>Buffalo</b>	189673		
<b>Sheep</b>	6035		
<b>Goats</b>	331550		
<b>Pigs</b>			
<i>Crossbred</i>	20975		
<i>Indigenous</i>	118863		
<b>Poultry</b>			
<i>Desi</i>	12890		



Category		Production (Q.)	Productivity
Fish (Reservoir)	1802.89 ha	41682.82	23.12

\*Statistical report

## 2.7 Details of Operational area / Villages:

Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Kunda	Kalakankar	Panigo, Manar, Shekhwapur, Rewali, Ainthu, Kandhai, Barwalia, Kadaro, Misirpur, Sahabad	Wheat, Urd, Moong, Arhar Mustard, Mentha, Onion, Brinjal, Tomato &Chilli, Cucurbits, Livestock	Non availability of quality seed. Late sowing of wheat Imbalance use of chemical fertilizer. Scanty population of live stock and their improper management. Poor orchard management in mango.	Promotion of ZT Proper management of live stocks. Rejuvenation & proper management of old orchards.
	Kunda	Barai, Beti, Radhauri, Mamauli			
	Babaganj	Meerapur, Mangarh, Kodarkhurd, Dhaurehat, Sarpata			
	Bihar	Jaichandpur			
Lalganj	Rampur sangramgarh	Dhingwas, Veersinghpur	Wheat, Potato, Arhar, Jowar, Mentha, Urd, Moong, Fisheries, Orchard	Late sowing of wheat Imbalance use of chemical fertilizer. Poor water resources. Imbalance feed and improper management of milch animal.	Promotion of ZT Overall productivity enhancement Adoption of RCT. Selection of suitable fruit cultivars.
	Sangipur	Usaraha			
Raniganj	Shivgarh	Jamtali	Wheat, Arhar, Potato, Urd, Moong, Mustard, Fisheries, Orchards of aonla& mango.	Poor water resources. Late sowing of wheat Poor nutrient management in orchards. Low productivity of aonla orchard. Improper management of live stock.	Adoption of RCT. Promotion of ZT Use of vermi-composting/fertilizer under orchard management. Proper management of live stock.
	Gaura	Tharia			
	Baba Belkharnathdham	Rakha, Payagipur&Aurista			
	Sandwachandika	Panchakhara			
	Mandhata	Bhawalpur, Katragulabsingh			

Patti	Ashpurdevsara	Dhaurahara, Dhanepur, Bhadvach	Wheat, Mustard, Urd, Moong, Arhar, Maize & orchards of aonla.	Low water table. Poor live stock management Late sowing of wheat Poor nutrient management in orchards.	Water Harvesting Proper management of live stock. Promotion of ZT Use of vermi- composting/fertilizer under orchard management.
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## 2.8 Priority thrust areas

S.N.	Thrust area
1.	Productivity enhancement of cereals, pulses and horticulture crop.
2.	Management of sodic soil and soil health
3.	Enhancement in water use efficiency
4.	Bread improvement in live stock
5.	Productivity enhancement in Fishery
6.	Back stopping in marketing of Agriculture produce
7.	Enhancement of skill and health in form women

## 3. TECHNICAL PROGRAM

### A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
12	76	27.5	100

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
100	1826	383	2885

Seed Production (Qtl.)	Planting material Production (Nos.)	Fish seed prod. (Nos.)	Soil Samples analyzed (Nos.)	Development of Soil Health Cards (Nos.)
5	6	7	8	9
200	20000	-	300	300

Quality seed distributed (q)	No. of saplings distributed (Nos.)	No. of fingerlings distributed (Nos.)	No. of livestock & poultry strains distributed (Nos.)
10	11	12	13
20	20000	-	-

**B. Abstract of interventions to be undertaken**

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	RCT/ ICM	<b>Paddy</b> (Salt tolerant)	<ul style="list-style-type: none"> <li>• High cost</li> <li>• No seed treatment</li> <li>• Lack of Weed management</li> <li>• No soil test based nutrient management</li> </ul>	-	Resource Conservation Technology in paddy (DSR)	Resource Conservation Technology in paddy (DSR)	Resource Conservation Technology in paddy (DSR)	Field day	Seed@ 40 kg/ha Seed treatment (Carbendazim@2.5 gm/Kg) Weed management Need based insecticide
2	RCT/ ICM	<b>Wheat</b> (Salt tolerant)	<ul style="list-style-type: none"> <li>• Low productivity</li> <li>• Lack of residue management</li> <li>• No seed treatment</li> <li>• No Weed management</li> <li>• No soil test based nutrient management</li> </ul>	-	Resource Conservation Technology in wheat (Happy seeder)	Resource Conservation Technology in wheat (Happy seeder)	Resource Conservation Technology in wheat (Happy seeder)	Field day	Seed@ 100 kg/ha Seed treatment (Carbendazim@2.5 gm/Kg) Weed management Need based nutrient management CRM
3	INM	Wheat (Natural Farming)	High cost, Low nutrients use efficiency and Environmental hazards	-	Applying of nano-urea	Applying of nano-urea and its importance	Applying of nano-urea and its importance	Field day	Nano-urea
4	Disease Management	Goat	Retention of urine due to obstruction of urethra in male goat, death	-	Prevention of urolithiasis in male goat	Preventive feeding of Nausadar to combat urolithiasis		Field day	Nausadar (Ammonium Chloride)
5	Fodder and feeding management/ Fodder Conservation	Sorghum/ NB Hybrid	Scarcity of fodder during lean period, Poor quality of roughage, poor quality of silage	-	Use of acid preservative silage savor for silage preparation/preservation	Silage making : benefits and Process		Field day	Silage savor
6	VE/ ICM	Tomato (Var. <i>Kashi Srishthi</i> – 2019 – tolerant to YVMV - Raised bed Planting)	<ul style="list-style-type: none"> <li>• Flatbed planting</li> <li>• No seed treatment</li> <li>• Lack of plant population management</li> <li>• Lack of varietal knowledge</li> </ul>	-	Introduce new improved variety for <i>Rabi</i> season	Scientific cultivation of tomato on raised bed in <i>Rabi</i>	Scientific cultivation of tomato on raised bed in <i>Rabi</i>	Field day	Seed+ weedicide+ Need based Pesticides
7	VE/ ICM	Okra (Var. <i>Kashi Adarsh</i> - 2016 – resist. To LCV)	<ul style="list-style-type: none"> <li>• Low profit</li> <li>• No seed treatment</li> <li>• Lack of plant population management</li> <li>• Lack of varietal knowledge</li> </ul>	-	Introduce new improved variety for <i>Zaid</i> season	Scientific cultivation of okra in <i>Zaid</i>	Scientific cultivation of okra in <i>Zaid</i>	Field day	Seed+ weedicide+ Need based Pesticides
8	Value addition	<i>Indigenous cattle</i>	Lack of knowledge regarding Cow-dung products & management	-	Value addition	Value addition	Value addition	Field day	Moulds, Multani mitti

### 3.1 Technologies to be assessed and refined

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	02	01		-	-	-	-	-	-	3
Integrated Crop Management						2				2
Drudgery reduction					1					1
Value addition					1					1
Integrated Disease Management			1							1
Other (Technological gap)		1								1
Production Management	1									1
<b>TOTAL</b>										<b>10</b>

#### A.2. Abstract on the number of technologies refined in respect of crops - NA

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
<b>TOTAL</b>										

#### A.3. Abstract on the number of technologies assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Nutrition Management	1							1
Disease of Management		1						1
<b>TOTAL</b>								<b>02</b>

#### A.4. Abstract on the number of technologies refined in respect of livestock / enterprises - NA

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
<b>TOTAL</b>								

#### B. Details of On Farm Trial (Based on soil test analysis)

##### OFT- 1

PARTICULARS	CONTENTS
<b>Title</b>	Assessment of improved variety of salt tolerant <b>Paddy</b>
<b>Problem diagnosed</b>	Low yield and less plant population per unit area
<b>Micro farming situation</b>	Irrigated – Reclaimed sodic (pH – 8.4 to 8.9; EC: < 0.652)
<b>Details of technology identified for solution</b>	T <sub>0</sub> : Farmer's practice: TPR ( <i>Sonam</i> ) T <sub>1</sub> : Salt tolerant Paddy, Var. CSR – 49
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Critical inputs</b>	Seed, Micronutrient (Zn+S), Weed management, Pesticides (Need based)
<b>Production system</b>	Rice – Wheat (Irrigated)
<b>Source of technology &amp; Year</b>	CSSRI, Karnal; Year - 2020
<b>Total Cost</b>	10,000
<b>Observation to be recorded</b>	Yield & growth attributes, Plant population per sqm. and B:C Ratio
<b>Reaction of the farmers</b>	Final yield and socio-economical attributes

##### OFT- 2

PARTICULARS	CONTENTS
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<b>Title</b>	Assessment of improved variety of salt tolerant <b>Wheat</b>
<b>Problem diagnosed</b>	Low yield and less plant population per unit area
<b>Micro farming situation</b>	Irrigated – Reclaimed sodic (pH – 8.4 to 8.9; EC: < 0.652)
<b>Details of technology identified for solution</b>	T <sub>0</sub> : Farmer’s practice: Wheat (UP - 2338) T <sub>1</sub> : Salt tolerant Wheat, Var. KRL - 283
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Critical inputs</b>	Seed, Micronutrient (Zn+S), Weed management, Pesticides (Need based)
<b>Production system</b>	Rice – Wheat (Irrigated)
<b>Source of technology &amp; Year</b>	CSSRI, <i>Karnal</i> ; Year - 2018
<b>Total Cost</b>	10,000
<b>Observation to be recorded</b>	Yield & growth attributes, Plant population per sqm. and B:C Ratio
<b>Reaction of the farmers</b>	Final yield and socio-economical attributes

### OFT- 3

<b>PARTICULARS</b>	<b>CONTENTS</b>
<b>Title</b>	Assessment of improved variety of salt tolerant <b>Mustard</b>
<b>Problem diagnosed</b>	Low yield and less plant population per unit area
<b>Micro farming situation</b>	Irrigated – Reclaimed sodic (pH – 8.4 to 8.9; EC: < 0.652)
<b>Details of technology identified for solution</b>	T <sub>0</sub> : Farmer’s practice: Wheat (NDR - 8501) T <sub>1</sub> : Salt tolerant Mustard, Var. CS - 61
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Critical inputs</b>	Seed, Micronutrient (S), Weed management, Pesticides (Need based)
<b>Production system</b>	Rice – Wheat (Irrigated)
<b>Source of technology &amp; Year</b>	CSSRI, <i>Karnal</i> ; Year - 2022
<b>Total Cost</b>	10,000
<b>Observation to be recorded</b>	Yield & growth attributes, Plant population per sqm. and B:C Ratio
<b>Reaction of the farmers</b>	Final yield and socio-economical attributes

### OFT- 4

<b>PARTICULARS</b>	<b>CONTENTS</b>
<b>Title</b>	Assessment of natural farming package on <b>Tomato</b>
<b>Problem diagnosed</b>	High input cost, Toxic residual effects, Environmental pollution, Bad effect for human health & Low benefit cost ratio
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T <sub>1</sub> : Farmer’s practice: (Existing practices) – Use of chemical fertilizers and Pesticides T <sub>2</sub> : Natural farming package (Use of <i>Ghanjeevamrut, Jeevamrut, Beejamrut, Neemastra, Agiastra, Brahmastra, Dashparni and Saptdhanya</i> )
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Critical inputs</b>	<i>Ghanjeevamrut, Jeevamrut, Beejamrut, Neemastra, Agiastra, Brahmastra, Dashparni and Saptdhanya</i>
<b>Production system</b>	Tomato - ICM
<b>Source of technology</b>	Ministry of Agriculture (Govt. of India). Yr. 2021
<b>Total Cost (Rs.)</b>	10000
<b>Observation to be recorded</b>	Soil profile analysis, Yield attributes and Benefit cost ratio
<b>Reaction of the farmers</b>	Acceptability of technology and socio-economic attributes

### OFT- 5

<b>PARTICULARS</b>	<b>CONTENTS</b>
<b>Title</b>	Assessment of technological gap of <b>Mustard</b> crop in Pratapgarh

<b>Problem diagnosed</b>	High difference between demonstration yield and farmers yield due to technological gap.
<b>Technology for Testing</b>	10 respondents selected in each group i.e. demonstrating and participating farmers all about total 20 farmers will be selected.
<b>Treatments Farmers Practice (FP)</b>	Questionnaire schedule
<b>Critical Inputs</b>	<ul style="list-style-type: none"> <li>Study to be conducted in purposively selected one block of Pratapgarh, Two villages will be selected from the block.</li> <li>10 respondents selected from each group (two groups) by simple random sampling technique.</li> <li>A well structured interview schedule was prepared and data were obtained by focused groups and personal interview of respondents by Self report and recall method.</li> </ul>
<b>No of Replications</b>	10
<b>Total Cost</b>	Rs. 1000.00
<b>Monitoring Indicator</b>	I. Technological gap II. Yield gap III. Reason for technological gap.
<b>Source of technology</b>	IARI, New Delhi(2018-19)

#### OFT- 6

PARTICULARS	CONTENTS
<b>Title</b>	Assessment of copper concentrated mineral mixture on anestrus and silent heat in buffalo heifers
<b>Problem diagnosed</b>	Anestrus and silent heat in buffalo heifers
<b>Micro farming situation</b>	NA
<b>Details of technology identified for solution</b>	T1: Farmer's practice: No use of mineral mixture/ General mineral mixture T2 : Copper concentrated mineral mixture – 1 Bollus/Animal/day for 20 days
<b>No. of farmers</b>	16
<b>Replications</b>	16
<b>Critical inputs</b>	Totavit Bolus (Copper concentrated mineral mixture)
<b>Production system</b>	Disease Management
<b>Source of technology</b>	ICAR-CIRB Hisar
<b>Total cost</b>	6500
<b>Observation to be recorded</b>	Estrus, observed heat, visible mucous secretion, fertility
<b>Reaction of farmers</b>	

#### OFT- 7

PARTICULARS	CONTENTS
<b>Title</b>	Assessment of UMMB on intake of basal diets, milk production and estrous in cattle
<b>Problem diagnosed</b>	Feeding of wheat and paddy straw (Deficient in protein and minerals), Imbalanced feeding of concentrate
<b>Micro farming situation</b>	NA
<b>Details of technology identified for solution</b>	T1: Farmer's practice: Imbalanced feed/ No supplementation in minerals T2 : UMMB licks( 5/ Animal)
<b>No. of farmers</b>	5
<b>Replications</b>	10
<b>Critical inputs</b>	UMMB licks
<b>Production system</b>	Production and reproduction management
<b>Source of technology</b>	CSKVV, Palampur HP
<b>Total cost</b>	7500
<b>Observation to be recorded</b>	Feed intake, Body condition, Milk production and Estrous
<b>Reaction of farmers</b>	

#### OFT- 8

PARTICULARS	CONTENTS
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<b>Title</b>	Assessment of drumstick leaf powder as remedy of low hemoglobin level among farm women
<b>Problem diagnosed</b>	Low hemoglobin level among farm women
<b>Micro farming situation</b>	-
<b>Details of technology identified for solution</b>	T1- Prevailing Practices (no use of drum stick leaf Powder) T2- Drum stick leaf Powder (10g/day)
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Critical inputs</b>	Drum stick powder
<b>Production system</b>	-
<b>Source of technology</b>	Ayurved College, Sardar Shahar, Rajsthan
<b>Total Cost (Rs.)</b>	5000
<b>Observation to be recorded</b>	Pre-and post-blood test
<b>Reaction of the farmers</b>	Acceptability of technology to farmers Increased hemoglobin label

#### OFT- 9

<b>PARTICULARS</b>	<b>CONTENTS</b>
<b>Title</b>	To reduce drudgery of farm women and to compare with traditional method of seedling transplanting with manually operated vegetable seedling transplanter
<b>Problem diagnosed</b>	Severe pain in shoulders, upper and lower back, hands neck and arms and fingers.
<b>Micro farming situation</b>	-
<b>Details of technology identified for solution</b>	T1- Prevailing Practices (manual seedling) T2- seed transplanter
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Critical inputs</b>	Seed transplanter
<b>Production system</b>	-
<b>Source of technology</b>	MPUAT, Udaipur
<b>Total Cost (Rs.)</b>	6000
<b>Observation to be recorded</b>	Over all body discomfort rate, times of operation.
<b>Reaction of the farmers</b>	Acceptability of technology to farmers Perceived exertion experienced by respondent

#### OFT- 10

<b>PARTICULARS</b>	<b>CONTENTS</b>
<b>Title</b>	Assessment of IPU-13 <b>Urd</b> for YMV Resistance.
<b>Problem diagnosed</b>	YMV infestation in Urd crop.
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T <sub>0</sub> : Farmer's practice: Use of non YMV resistance variety of Urd T <sub>1</sub> : Use of YMV resistance variety of Urd
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Critical inputs</b>	Seed
<b>Production system</b>	Rice –Mustard-Urd
<b>Source of technology &amp; Year</b>	I.I.P.R., Kanpur
<b>Total Cost</b>	2,000
<b>Observation to be recorded</b>	Disease index, yield and B:C Ratio
<b>Reaction of the farmers</b>	Final yield and socio-economical attributes

#### OFT- 11

<b>PARTICULARS</b>	<b>CONTENTS</b>
<b>Title</b>	Assessment of economics of <b>Wheat</b> sowing practices
<b>Problem diagnosed</b>	Low yield and High input cost
<b>Micro farming situation</b>	Irrigated – Reclaimed sodic (pH – 8.0 to 8.5)

<b>Details of technology identified for solution</b>	T <sub>0</sub> : Farmer's practice: 2 to 3 ploughing + Broad-casting T <sub>1</sub> : Direct sowing by Super-seeder
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Critical inputs</b>	Seed, Custom hiring services, Weed management, Pesticides (Need based)
<b>Production system</b>	Rice – Wheat (Irrigated)
<b>Source of technology &amp; Year</b>	CSSRI, Karnal; Year - 2017
<b>Total Cost</b>	05,000
<b>Observation to be recorded</b>	Yield & growth attributes, economics of broadcasted and happy seeded methods & B:C Ratio
<b>Reaction of the farmers</b>	Final yield, socio-economical attributes & Acceptation of technology

#### OFT- 12

PARTICULARS	CONTENTS
<b>Title</b>	Assessment of Tip pruning for synchronized vegetative growth and controlling of alternate bearing in <b>Mango</b>
<b>Problem diagnosed</b>	Alternate bearing in mango ( <i>Mangifera indica</i> )
<b>Micro farming situation</b>	Irrigated – Sandy-loam (pH – 7.0 to 8.0; EC – 0.41 to 0.43)
<b>Details of technology identified for solution</b>	T <sub>0</sub> : Farmer's practice: No pruning or any other management practices regarding alternate bearing T <sub>1</sub> : Drenching with Paclobutrazol @ 3.2 ml/m canopy diameter during September T <sub>2</sub> : Whole tree tip pruned just below first node after crop harvest and thereafter drenching with Paclobutrazol @ 3.2 ml/m canopy diameter during September
<b>No. of farmers</b>	05
<b>Replications</b>	02
<b>Critical inputs</b>	Paclobutrazol, Canopy management tools
<b>Production system</b>	Mango (Irrigated)
<b>Source of technology &amp; Year</b>	C.I.S.H., Lucknow; Year - 2017
<b>Total Cost</b>	10,000
<b>Observation to be recorded</b>	Yield & growth attributes, No. of fruits per branch and B:C Ratio
<b>Reaction of the farmers</b>	Final yield and socio-economical attributes

### 3.2 Frontline Demonstrations

#### A. Details of FLDs to be organized (Based on soil test analysis)

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers / demon.	Parameters identified
1.	<b>Paddy</b> (Salt tolerant)	CSR-36/46	RCT/ICM	Varietal Evaluation/ RCT	Seed@ 40 kg/ha Seed treatment (Carbendazim@2.5gm/Kg) Weed management Need based insecticide	<i>Kharif</i> 2023	10	25	Yield Attributes & BCR
2.	<b>Wheat</b> (Salt tolerant)	KRL-210/2123	RCT/ICM	Varietal Evaluation/ RCT	Seed@ 100 kg/ha Seed treatment (Carbendazim@2.5gm/Kg) Weed management Need based nutrient management CRM	<i>Rabi</i> 2023	10	25	Yield Attributes & BCR
3.	Wheat	PBW-343/Farmer's variety	INM	Application of Nano-urea @ 4 ml/litr. of water	Nano-urea	<i>Rabi</i> 2023	5	12	Yield attributes and BCR
4.	Okra	<i>Kashi Adarsh</i> - 2016 –	VE/ICM	New improved variety for	Seed+ weedicide+ Need based Pesticides	<i>Zaid</i> 2023	1.0	10	Yield Attributes & BCR



		resist. To LCV		Zaid season					
5	Tomato	Kashi Srishhti – 2019 – tolerant to YVMV	VE/ ICM	New improved variety for Rabi season	Seed+ weedicide+ Need based Pesticides	Rabi 2023	1.0	10	Yield Attributes & BCR
6	Cow-dung products	Indigenous cattle	Value addition	Cow dung products	Molds, Multani-mitti	2023	0.5	10	Income attributes & BCR

#### Sponsored Demonstration – As per availability

Sl. No.	Crop	Area (ha)	No. of farmers

#### B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
	Field days	08	Jan, Feb, May, March Sept, Nov.	150
2	Farmers Training	08	Feb, April, June, Oct. Nov	150
3	Media coverage	10	Jan, Feb, June, Oct	-
4	Training for extension functionaries	01	Feb, March. Sept	15

#### C. Details of FLD on Enterprises

##### (i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators

##### (ii) Livestock Enterprises

Sl. No.	Crop/ Animal	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
1	Goat	Disease Management	Prevention of urolithiasis in male goat	Nausadar	Through out the year		5	Prevalence of urolithiasis
2	Sorghum / NB Hybrid	Feed and Fodder management	Use of acid preservative silage savor for silage preparation/preservation	Silage savor	Kharif		3	Quality of silage, General body condition of animal , Health and Milk Production

### 3.3 Training (Including the sponsored and FLD training Programs):

#### A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1	10	5	15	3	2	5	20
Resource Conservation Technologies	1	10	5	15	3	2	5	20

Cropping Systems	1	10	5	15	3	2	5	20
Crop Diversification	1	10	4	14	4	2	6	20
Integrated Farming	1	10	5	15	3	2	5	20
Seed production	1	13	2	15	5	0	5	20
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Off-season vegetables	1	16	0	16	2	0	2	18
Nursery raising	1	12	3	15	3	0	3	18
Protective cultivation (Green Houses, Shade Net etc.)	1	12	3	15	3	0	3	18
<b>b) Fruits</b>								
Cultivation of Fruit	1	0	15	15	0	5	5	20
Management of young plants/orchards	1	14	0	14	6	0	6	20
<b>c) Ornamental Plants</b>								
<b>d) Plantation crops</b>								
<b>e) Tuber crops</b>								
<b>f) Spices</b>								
<b>g) Medicinal and Aromatic Plants</b>								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	8	1	9	6	0	6	15
Soil and Water Conservation	1	10	5	15	2	1	3	18
Integrated Nutrient Management	1	12	4	16	2	0	2	18
Production and use of organic inputs	1	11	1	12	4	2	6	18
Management of Problematic soils	1	8	1	9	6	0	6	15
Nutrient Use Efficiency	1	8	5	13	4	1	5	18
Soil and Water Testing	1	10	2	12	6	0	6	18
<b>IV Livestock Production and Management</b>								
Dairy Management	1	10	3	13	2	1	3	16
Poultry Management	1	10	3	13	2	1	3	16
Rabbit Management/goat	1	10	3	13	2	1	3	16
Disease Management	1	10	3	13	2	1	3	16
Feed management	1	10	3	13	2	1	3	16
Production of quality animal products	1	10	3	13	2	1	3	16
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1		14	14		6	6	20
Design and development of low/minimum cost diet	1		14	14		6	6	20
Designing and development for high nutrient efficiency diet	1		10	10		8	8	18
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	1		12	12		8	8	20
Storage loss minimization techniques								
Value addition	1		14	14		6	6	20
Income generation activities for empowerment of rural Women	1		14	14		6	6	20
Location specific drudgery reduction technologies	1		14	14		6	6	20
<b>VI Agril. Engineering</b>								
<b>VII Plant Protection</b>								
Integrated Pest Management	2	20	4	24	10	6	16	40
Integrated Disease Management	1	10	2	12	6	0	6	18

Bio-control of pests and diseases	2	25	5	30	6	4	10	40
<b>VIII Fisheries</b>								
Integrated fish farming	1	10	2	12	6	0	6	18
Composite fish culture	1	10	2	12	6	0	6	18
<b>IX Production of Inputs at site</b>								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	1	10	2	12	6	0	6	18
Group dynamics	1	10	2	12	6	0	6	18
Formation and Management of SHGs	1	10	2	12	6	0	6	18
Entrepreneurial development of farmers/youths	1	10	2	12	6	0	6	18
<b>XI Agro-forestry</b>								
<b>XII Others (Agri Marketing)</b>								
Production and management	3	33	0	33	15	0	15	48
<b>TOTAL</b>	<b>45</b>	<b>392</b>	<b>199</b>	<b>591</b>	<b>150</b>	<b>81</b>	<b>231</b>	<b>822</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	01	10	5	15	3	2	5	20
Bee-keeping	1	10	2	12	6	2	8	20
Integrated farming	1	10	5	15	3	2	5	20
Seed production	1	10	4	14	4	2	6	20
Vermi-culture	1	10	4	14	4	2	6	20
Repair and maintenance of farm machinery and implements	1	10	4	14	3	3	6	20
Para vets	1	17	0	17	3	0	3	20
Tailoring and Stitching	1	-	12	12	-	8	8	20
Rural Crafts	1	-	9	9	-	11	11	20
<b>TOTAL</b>	<b>9</b>	<b>77</b>	<b>45</b>	<b>122</b>	<b>26</b>	<b>32</b>	<b>58</b>	<b>180</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	1	10	0	10	5	0	5	15
Management in farm animals	1	12	0	12	3	0	3	15
Women and Child care	1	-	14	14	-	6	6	20
Any other	1	10	0	10	5	0	5	15
Capacity development of extension agents								
<b>TOTAL</b>	<b>4</b>	<b>32</b>	<b>14</b>	<b>46</b>	<b>13</b>	<b>6</b>	<b>19</b>	<b>65</b>
<b>G. Total</b>	<b>58</b>	<b>501</b>	<b>258</b>	<b>759</b>	<b>189</b>	<b>119</b>	<b>308</b>	<b>1067</b>

## B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Integrated Farming	1	15	0	15	5	0	5	20
Water management	1	12	2	14	4	2	6	20
Seed production	1	10	5	15	4	1	5	20
Nursery management	1	12	3	15	3	2	5	20
Integrated Crop Management	1	10	2	12	5	3	8	20
Production of organic inputs	1	12	3	15	3	2	5	20
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								

Training and Pruning	1	12	3	15	2	3	5	20
Layout and Management of Orchards	1	12	2	14	4	2	6	20
Rejuvenation of old orchards	1	12	2	14	4	2	6	20
Plant propagation techniques	1	12	0	12	3	0	3	15
<b>c) Ornamental Plants</b>								
<b>d) Plantation crops</b>								
<b>e) Tuber crops</b>								
<b>f) Spices</b>								
<b>g) Medicinal and Aromatic Plants</b>								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	10	1	11	8	1	9	20
Production and use of organic inputs	1	10	6	16	3	1	4	20
Management of Problematic soils	1	10	5	15	2	1	3	18
Micro nutrient deficiency in crops	1	14	2	16	4	0	4	20
Soil and Water Testing	1	15	2	17	2	1	3	20
<b>IV Livestock Production and Management</b>								
Dairy Management	1	10	3	13	2	1	3	16
Piggery Management	1	10	3	13	2	1	3	16
Rabbit Management /goat	1	10	3	13	2	1	3	16
Disease Management	1	10	3	13	2	1	3	16
Feed management	1	10	3	13	2	1	3	16
Production of quality animal products	1	10	3	13	2	1	3	16
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	6	10	16		4	4	20
Gender mainstreaming through SHGs	1		8	8		12	12	20
Value addition	1		12	12		8	8	20
Income generation activities for empowerment of rural Women	1		12	12		8	8	20
Location specific drudgery reduction technologies	1		12	12		8	8	20
<b>VI Agril. Engineering</b>								
<b>VII Plant Protection</b>								
Integrated Pest Management	2	20	4	24	10	6	16	40
Integrated Disease Management	1	10	2	12	6	0	6	18
Bio-control of pests and diseases	2	25	5	30	6	4	10	40
<b>VIII Fisheries</b>								
Integrated fish farming	1	10	2	12	6	0	6	18
Composite fish culture	1	10	2	12	6	0	6	18
<b>IX Production of Inputs at site</b>								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	1	10	2	12	6	0	6	18
Group dynamics	1	10	2	12	6	0	6	18
Formation and Management of SHGs(HS)	1	10	2	12	6	0	6	18
Entrepreneurial development of farmers/youths (Agro.)	1	10	2	12	6	0	6	18
<b>XI Agro-forestry</b>								

<b>XII Others (Agri Marketing)</b>								
Production and management	5	55	15	70	10	08	18	88
<b>G. TOTAL</b>	<b>42</b>	<b>414</b>	<b>148</b>	<b>562</b>	<b>136</b>	<b>85</b>	<b>221</b>	<b>783</b>

**C) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1	10	5	15	4	2	6	21
Resource Conservation Technologies	1	10	5	15	4	2	6	21
Cropping Systems	1	10	5	15	4	2	6	21
Crop Diversification	1	12	3	15	3	2	5	20
Integrated Farming	2	25	5	30	8	2	10	40
Water management	1	12	3	15	3	2	5	20
Seed production	2	23	7	30	9	1	10	40
Nursery management	1	12	3	15	3	2	5	20
Integrated Crop Management	1	12	3	15	3	2	5	20
Fodder production								
Production of organic inputs	1	12	3	15	3	2	5	20
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Off-season vegetables	1	12	3	15	2	3	5	20
Nursery raising	1	12	3	15	2	3	5	20
Protective cultivation (Green Houses, Shade Net etc.)	1	12	3	15	2	3	5	20
<b>b) Fruits</b>								
Training and Pruning	1	12	3	15	2	3	5	20
Layout and Management of Orchards	1	12	3	15	2	3	5	20
Cultivation of Fruit	1	0	15	15	0	5	5	20
Management of young plants/orchards	1	14	0	14	6	0	6	20
Rejuvenation of old orchards	1	12	3	15	2	3	5	20
Plant propagation techniques	1	12	3	15	2	3	5	20
<b>c) Ornamental Plants</b>								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	2	18	2	20	14	1	15	35
Soil and Water Conservation	1	10	3	13	2	1	3	16
Integrated Nutrient Management	1	10	3	13	2	1	3	16
Production and use of organic inputs	2	21	7	28	7	3	10	38
Management of Problematic soils	2	18	6	24	8	1	9	33
Micro nutrient deficiency in crops	1	10	3	13	2	1	3	16
Nutrient Use Efficiency	1	10	3	13	2	1	3	16
Soil and Water Testing	2	23	7	30	6	2	8	38
<b>IV Livestock Production and Management</b>								
Dairy Management	2	20	6	26	4	2	6	32
Poultry Management	1	10	3	13	2	1	3	16
Piggery Management	1	10	3	13	2	1	3	16

Rabbit Management/goat	2	20	6	26	4	2	6	32
Disease Management	2	20	6	26	4	2	6	32
Feed management	2	20	6	26	4	2	6	32
Production of quality animal products	2	20	6	26	4	2	6	32
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	2	9	15	24	6	6	12	36
Design and development of low/minimum cost diet	1	0	10	10	0	8	8	18
Designing and development for high nutrient efficiency diet	1	0	10	10	0	8	8	18
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	2	9	15	24	6	6	12	36
Storage loss minimization techniques	0	0	0	0	0	0	0	0
Value addition	2	0	30	30	10	10	20	10
Income generation activities for empowerment of rural Women	2	9	15	24	6	6	12	36
Location specific drudgery reduction technologies	2	9	15	24	6	6	12	36
<b>VI Agril. Engineering</b>								
<b>VII Plant Protection</b>								
Integrated Pest Management	4	40	8	48	20	12	32	80
Integrated Disease Management	2	20	4	24	12	0	12	36
Bio-control of pests and diseases	4	50	10	60	12	8	20	80
<b>VIII Fisheries</b>								
Integrated fish farming	2	20	4	24	12	0	12	36
Composite fish culture	2	20	4	24	12	0	12	36
<b>IX Production of Inputs at site</b>								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	2	20	4	24	12	0	12	36
Group dynamics	2	20	4	24	12	0	12	36
Formation and Management of SHGs	2	20	4	24	12	0	12	36
Entrepreneurial development of farmers/youths	2	20	4	24	12	0	12	36
<b>XI Agro-forestry</b>								
<b>XII Others (Agri Marketing)</b>								
Production and management	8	90	30	120	20	16	36	156
<b>TOTAL</b>	<b>87</b>	<b>832</b>	<b>334</b>	<b>1166</b>	<b>301</b>	<b>154</b>	<b>455</b>	<b>1581</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	01	10	5	15	3	2	5	20
Bee-keeping	1	10	2	12	6	2	8	20
Integrated farming	1	10	5	15	3	2	5	20
Seed production	1	10	4	14	4	2	6	20
Vermi-culture	1	10	4	14	3	3	6	20
Repair and maintenance of farm machinery and implements	1	10	4	14	3	3	6	20
Para vets	1	17	0	17	3	0	3	20
Tailoring and Stitching	1	-	12	12	-	8	8	20
Rural Crafts	1	-	9	9	-	11	11	20
<b>TOTAL</b>	<b>9</b>	<b>77</b>	<b>45</b>	<b>122</b>	<b>25</b>	<b>33</b>	<b>58</b>	<b>180</b>

<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	1	10	0	10	5	0	5	15
Care and maintenance of farm machinery and implements	1	10	0	10	5	0	5	15
Management in farm animals	1	12	0	12	3	0	3	15
Women and Child care	1	-	14	14	-	6	6	20
<b>TOTAL</b>	<b>4</b>	<b>32</b>	<b>14</b>	<b>46</b>	<b>13</b>	<b>6</b>	<b>19</b>	<b>65</b>
<b>G. Total</b>	<b>100</b>	<b>941</b>	<b>393</b>	<b>1334</b>	<b>339</b>	<b>193</b>	<b>532</b>	<b>1826</b>

Details of training Programs attached in **Annexure -I**

### 3.4. Extension Activities (including activities of FLD Programs)

Activities	No. of Programs	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	250	250	-	250
Diagnostic visits	50	250	-	250
Field Day	20	300	-	300
Group discussions	-	-	-	-
Kisan Ghosthi	2	80	-	80
Film Show	1	25	02	25
Self -help groups	-	-	-	-
Kisan Mela	1	500	06	500
Exhibition	1	500	06	500
Scientists' visit to farmers field	45	650	-	650
Plant/animal health camps	-	-	-	-
Farm Science Club	-	-	-	-
Ex-trainees Sammelan	1	100	01	100
Farmers' seminar/workshop	-	-	-	-
Method Demonstrations	-	-	-	-
Celebration of important days	6	90	01	90
Special day celebration	2	40	01	40
Exposure visits	2	50	02	50
Others	2	50	-	50
<b>Total</b>	<b>383</b>	<b>2885</b>	<b>19</b>	<b>2885</b>

### 3.5 Target for Production and supply of Technological products

#### SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)	Distributed to the farmers (Nos.)
<b>CEREALS</b>	Wheat	KRL-210, KRL-283	60.0	
	Paddy	CSR-36, CO-51, Kaveri, CSR-46	133.0	
<b>OILSEEDS</b>	Mustard	CS-58, CS-60	5.0	
<b>PULSES</b>		Karnal Chana-1	2.0	
<b>VEGETABLES</b>				
<b>OTHERS (Specify)</b>				
<b>Total</b>			<b>200.0</b>	

#### PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Distributed to the farmers (Nos.)
<b>FRUITS</b>	Mango	<i>Amrapali</i>	50	
		<i>Dasahari</i>	150	
		<i>Chausa</i>	100	
		<i>Langra</i>	50	
	Guava	<i>Lalit</i>	100	
		<i>Allahabad Safeda</i>	50	
		<i>Sweta</i>	50	



		L-49	25	
	Papaya	Pusa Nanha, Pusa Delicious, Hybrid	4200	
	Bel	Narendra Bel-7, NB-9, CISH Bel-1 & 2	100	
	Citrus	<i>Kagji</i>	50	
	Pomegranate	<i>Ganesh, Bhagwa</i>	50	
<b>SPICES</b>				
<b>VEGETABLES</b>				
	Cauliflower	Hybrid	1500	
	Cauliflower	OP	1500	
	Cabbage	Hybrid	1500	
	Chili	Hybrid	4000	
	Tomato	Hybrid	2500	
	Brinjal	Hybrid	2500	
	Capsicum	Hybrid	325	
	Broccoli	Hybrid	500	
	Red Cabbage	Hybrid	500	
<b>FOREST SPECIES</b>				
<b>ORNAMENTAL CROPS</b>	Golden durenta	Hibiscus, Bogenbelia, Fiucus, Tikoma	200	
<b>Total</b>			<b>20000</b>	

#### BIO-PRODUCTS

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>				

#### LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit

#### 3.6 Literature to be Developed/Published

- (A) **KVK News Letter** :
- Date of start : April. 2016
- Number of copies to be published : 12

#### (B) Literature developed/published

S. No.	Topic	No.	Name of Journal/literature
1	Research paper by each scientist	02	-
2	Technical reports	02	-
3	News letters	06	-
4	Training manual all discipline	-	-
5	Popular article	02	-
6	Extension literature	04	-
<b>Total</b>		<b>16</b>	<b>-</b>

#### (C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the Program	Number
1	CD	Income generation activities in Beekeeping, Fisheries	01
2	CD	Technological intervention in agriculture	01

#### 3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	300	300	20	9000
Water	-	-	-	-
Plant				
<b>Total</b>	<b>300</b>	<b>300</b>	<b>20</b>	<b>9000</b>

#### 4. LINKAGES

##### 4.1 Functional linkage with different organizations

S. No.	Name of organization	Nature of Linkage
1.	Deptt. Of Agriculture	Joint diagnostic survey & implementation Participation in meeting/conducting training Program
2.	FFDA	-Do-
3.	Sunhemp Research Station (ICAR)	-Do-
4.	Animal Breeding Centre, Salon, Raibareli	-Do-
5.	CSAU & T, Kanpur	Seed/Plant material
6.	IIPR, Kanpur	-Do-
7.	CIMAP, Lucknow	-Do-
8.	NDUAT, Faizabad	-Do-
9.	IIVR, Varanasi	-Do-
10.	CISH, Lucknow	-Do-
11.	CPRI, Meerut	-Do-
12.	IISR, Lucknow	-Do-
13.	CSSRI, Lucknow	Seed and Demonstration
14.	IRRI, Philipines	-Do-

##### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

S. No.	Program	Nature of linkage
1	Demonstration/Field visit	Joint diagnostic survey & implementation
2	Kisan Gosthie/Kisan Mela	Participation in meeting

#### 4.3 Give details of Programs under National Horticultural Mission

S. No.	Program	Nature of linkage
1	Demonstration/Field visit	Joint diagnostic survey & implementation
2	Kisan Gosthie	

#### 4.4 Nature of linkage with National Fisheries Development Board

S. No.	Program	Nature of linkage
1	Demonstration/Field visit	Joint diagnostic survey & implementation
2	Kisan Gosthie	Participation in meeting/conducting training Program

Annexure - I

#### Training Program

##### i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training Program	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
05/01/2023	PF	Irrigation management in Rice -Wheat cropping system	1	10	5	15	3	2	5	20
15/02/2023	PF	Production techniques of summer Pulses	1	10	5	15	3	2	5	20
25/03/2023	PF	New techniques of weed management in summer pulses	1	10	5	15	3	2	5	20
09/04/2023	PF	Rice residue management	1	10	4	14	4	2	6	20
02/05/2023	PF	Integrated Crop management practices in Rice -Wheat cropping system	1	10	5	15	3	2	5	20
05/06/2023	PF	Different types of paddy nurseries and its management	1	10	4	14	4	2	6	20
10/10/2023	RY	Integrated farming	1	10	4	14	4	2	6	20
15/11/2023	RY	Seed production	1	10	4	14	4	2	6	20
17/11/2023	RY	Repair and maintenance of farm machinery and implements	1	10	4	14	4	2	6	20
14/12/2023	EF	Productivity enhancement in field crop	1	10	0	10	5	0	5	15
22/06/2023	EF	Care and maintenance of farm machinery and implements	1	10	0	10	5	0	5	15
<b>Soil Health</b>										
10/02/2023	PF	Production technique of Vermi-compost	1	11	1	12	4	2	6	18
15/03/2023	PF	Soil fertility management through natural farming	1	8	1	9	6	0	6	15
18/05/2023	PF	Benefits of green manuring	1	10	5	15	2	1	3	18
08/06/2023	PF	INM in Fruits plant	1	12	4	16	2	0	2	18
12/07/2023	PF	Cultivation of Tissue cultured banana	1	10	2	12	1	1	2	14
16/08/2023	PF	Importance of Nano urea in vegetables	1	8	5	13	4	1	5	18
12/10/2023	PF	Collection of soil sample and its analysis in laboratory	1	10	2	12	6	0	6	18
12/02/2023	RY	Vermi culture	1	10	2	12	6	0	6	18
<b>Fisheries</b>										
03/01/2023	PF	Integrated fish farming	1	10	2	12	6	0	6	18
08/03/2023	PF	Composite fish culture	1	10	2	12	6	0	6	18
<b>Capacity Building and Group Dynamics</b>										
18/05/2023	PF	Development of innovative farmer	1	10	2	12	6	0	6	18
22/06/2023	PF	Formation and Management of FPO/FPC	1	10	2	12	6	0	6	18

13/07/2023	PF	Entrepreneurship development in rural youth through non-farm activity	1	10	2	12	6	0	6	18
24/07/2023	PF	Use of ICT tool for information accessing	1	10	2	12	6	0	6	18
21/11/2023	RY	Beekeeping	1	13	2	15	3	2	5	20
<b>Livestock prod.</b>										
11/01/2023	PF	Balance feeding of Dairy Animals	1	10	3	13	2	1	3	16
05/03/2023	PF	Commercial Farming of Indegenous Poultry	1	10	3	13	2	1	3	16
22/05/2023	PF	Prevention and control of HS, BQ, Anthrax and FMD	1	10	3	13	2	1	3	16
09/07/2023	PF	Feeding and Health Management of goats	1	10	3	13	2	1	3	16
07/09/2023	PF	Preservation of Green Fodder	1	10	3	13	2	1	3	16
11/11/2023	PF	Preparation of quality products from milk and meat	1	10	3	13	2	1	3	16
22/09/2023	RY	Preliminary health care in different species of livestock	1	17	0	17	3	0	3	20
13/12/2023	RY	Paravet	1	17	0	17	3	0	3	20
27/12/2023	EF	Management in farm animals	1	10	0	10	5	0	5	15
<b>Home Sc.</b>										
12/04/2023	PF	Formation of SHGs	1	0	14	14	0	6	6	20
25/06/2023	PF	Awareness about nutritional gardening	1	0	14	14	0	6	6	20
06/07/2023	PF	Drudgery reduction tools	1	0	14	14	0	6	6	20
23/10/2023	PF	Value addition of cow dung products	1	0	14	14	0	6	6	20
17/11/2023	PF	Preparation of dhoop batti	1	0	14	14	0	6	6	20
21/12/2023	PF	Preparation of cow eepak	1	0	14	14	0	6	6	20
29/12/2023	PF	Awareness on poshan calendar	1	0	14	14	0	6	6	20
22/11/2023	RY	Tailoring and Stitching	1	0	12	12	0	8	8	20
24/10/2023	RY	Rural Crafts	1	0	9	9	0	11	11	20
26/12/2023	EF	Women and child care	1	0	14	14	0	6	6	20
<b>Plant Protection</b>										
26/04/2023	PF	Bio-control of pests and diseases in cole crop	1	12	3	15	3	2	5	20
02/10/2023	PF	Pest management in Pulse	1	10	2	12	5	3	8	20
15/10/2023	PF	IDM in vegetable	1	13	2	15	3	2	5	20
05/11/2023	PF	Integrated pest management in Rabi pulses	1	10	2	12	5	3	8	20
12/11/2023	PF	Use of bio-agent in vegetable	1	13	2	15	3	2	5	20
18/10/2023	RY	Mushroom production	1	13	2	15	3	2	5	20
<b>XII Others (Agri Marketing)</b>										
27/01/2023	PF	Cottage industries a source of additional income for small/marginal farmers	1	10	5	15	3	2	5	20
20/02/2023	PF	Marketing strategy for organic produce (Cereals and pulses)	1	10	5	15	3	2	5	20
02/03/2023	PF	Importance of co-operative venture in agriculture	1	10	4	14	4	2	6	20
<b>Horticulture</b>										
15/04/2023	PF	Production techniques of off season cauliflower	1	16	0	16	2	0	2	18
12/07/2023	PF	Cultivation of Mango and Papaya fruits	1	0	15	15	0	5	5	20
03/08/2023	PF	Protective cultivation of hybrid tomato and capsicum	1	12	3	15	3	0	3	18

10/09/2023	PF	Nursery raising techniques of Rabi vegetable	1	12	3	15	3	0	3	18
25/09/2023	PF	Management of young plant/orchard	1	14	0	14	6	0	6	20

ii) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training Program	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
22/01/2023	PF	Use of nano-fertilizers in Rice -Wheat cropping system	1	10	5	15	5	2	7	22
18/03/2023	PF	Uses of post-emergence weedicides	1	15	0	15	5	0	5	20
12/04/2023	PF	Importance of green manuring	1	12	0	12	8	0	8	20
05/05/2023	PF	Importance of Integrated Farming Systems	1	15	0	15	5	0	5	20
18/07/2023	PF	Seed production techniques of Paddy	1	10	5	15	4	1	5	20
02/10/2023	PF	Importance of water soluble fertilizers	1	10	2	12	5	3	8	20
<b>Soil health</b>										
15/03/2023	PF	Importance of soil testing & technique of soil sample collection	1	15	2	17	2	1	3	20
10/05/2021	PF	Soil sampling technique in farmers field	1	14	2	16	3	1	4	20
30/06/2021	PF	Vermicompost use and importance	1	10	1	11	8	1	9	20
21/07/2021	PF	Application technique of water soluble fertilizers in paddy	1	15	2	17	2	1	3	20
27/09/2021	PF	Importance of micronutrient for crops	1	14	2	16	4	0	4	20
07/10/2021	PF	Bio fertilizer application in soil	1	10	6	16	3	1	4	20
<b>Fisheries</b>										
14/02/2023	PF	Use of probiotic in fish pond	1	10	2	12	6	0	6	18
27/04/2023	PF	Preventive measures of disease and pest of fish	1	10	2	12	6	0	6	18
<b>Capacity Building and Group Dynamics</b>										
08/08/2023	PF	Development of innovative farmer	1	10	2	12	6	0	6	18
07/09/2023	PF	Formation and management of CIG/FIG/SHGs	1	10	2	12	6	0	6	18
10/10/2023	PF	Formation and Management of FPO/FPC	1	10	2	12	6	0	6	18
19/10/2023	PF	Entrepreneurship development in rural youth through non-farm activity	1	10	2	12	6	0	6	18
<b>Live Stock Production</b>										
05/02/2023	PF	Integrated dairy management	1	10	3	13	2	1	3	16
15/04/2023	PF	Profitable pig farming	1	10	3	13	2	1	3	16
16/06/2023	PF	Prevention and control of Mastitis	1	10	3	13	2	1	3	16
08/08/2023	PF	Prevention and control of Mastitis	1	10	3	13	2	1	3	16
15/10/2023	PF	Optimum utilization of agricultural by-products in live stock feeding	1	10	3	13	2	1	3	16
09/12/2023	PF	Preparation of quality products from milk and meat	1	10	3	13	2	1	3	16
<b>Home Sc.</b>										
08/02/2023	PF	Drudgery reduction tools	1		14			6		20
25/10/2023	PF	To promote green vegetable in nutritional garden	1		14			6		20
08/11/2023	PF	Vermi compost unit	1		14			6		20
24/11/2023	PF	Preparation of potato chips	1		14			6		20
10/12/2023	PF	Importance of poshak calendar	1		14			6		20
<b>Plant Protection</b>										
04/04/2023	PF	Disease management in mango	1	13	2	15	3	2	5	20
25/05/2023	PF	Disease management in cucurbits	1	12	3	15	3	2	5	20

12/06/2023	PF	Integrated pest management in vegetable	1	10	2	12	5	3	8	20
15/07/2023	PF	Pest management in Paddy	1	10	2	12	5	3	8	20
12/10/2023	PF	Use of bio-agent in vegetable	1	13	2	15	3	2	5	20
<b>XII Others (Agri Marketing)</b>										
20/02/2023	PF	Custom hiring as a source of doubling income	1	15	0	15	5	0	5	20
02/03/2023	PF	Marketing strategy for organic produce (Vegetables)	1	15	0	15	5	0	5	20
11/05/2023	PF	Marketing strategy for perishable commodities	1	15	0	15	5	0	5	20
10/06/2023	PF	High profit through shortening middleman chain	1	15	0	15	5	0	5	20
15/09/2023	PF	Marketing strategy for organic produce (Fruit crop)	1	15	0	15	5	0	5	20
<b>Horticulture</b>										
15/05/2023		Layout and management of orchard	1	12	02	14	4	2	6	20
18/07/2023		Training and pruning on orchard plant	1	12	03	15	02	03	5	20
25/08/2023		Propagation technique in fruits crop	1	12	0	12	3	0	3	15
3/10/2023		Production and management technology in Potato and onion	1	5	3	8	4	4	8	16

**ii) Vocational training Programs for Rural Youth**

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Rice – Wheat	Mechanization	Advance Farm implements under custom hiring and its management	Sept	02	12	3	15	5	2	7	22
Bee Keeping	Bee Keeping	Income generation through Bee keeping	25 October	06	12	01	13	7	0	7	20
Fisheries	Composite fish farming	Income generation through Fisheries	7 November	03	12	01	13	7	0	7	20
Dairy (PF)	Dairying	Commercial dairy farming	January	6	14	2	16	4	0	4	20
Goatry (PF)	Sheep and goat rearing	Commercial Goat farming	October	5	12	4	16	3	1	4	20
Para vet (RY)	Para vets	A.I. Technician	November	12	17	0	17	3	0	3	20
Labelling and packaging	Labelling and packaging	To know about marketing strategies and branding,	February	30		28	28		12	12	40
Mushroom	Mushroom	Production technology of mushroom	December	5	10	5	15	3	2	5	20



iii) Training Program for extension functionaries

Date	Clientele	Title of the training Program	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>On Campus</b>										
09/09/2023	ATM, BTM & Other extension persons	Productivity enhancement techniques in field crops	01	10	03	13	05	02	07	20
25/02/2023	Depot. Of Agri.(ATM, BTM & TAC)	Capacity development of Extension Agent	01	12	0	12	3	0	3	15
23/07/2023	EP	Management in farm animals	01	12	0	12	3	0	3	15
15/09/2023	Samooch Sakhi	SHG linkage for the production	01		20	20	12	12		32
<b>Total</b>			<b>4</b>	<b>34</b>	<b>23</b>	<b>57</b>	<b>11</b>	<b>14</b>	<b>25</b>	<b>82</b>

iv) Sponsored Program – As per availability

Discipline	Sponsoring agency	Clientele	Title of the training Program	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
<b>a) Sponsored training programme</b>											
			<b>Total</b>								
<b>b) Sponsored research Program</b>											
			<b>Total</b>								
<b>c) Any special Programs</b>											
			<b>Total</b>								

<b>CFLD ON PULSES</b>							
S. No	Thrust area	Season & year	Crop/ Enterprise	Area (ha)	No. of farmers/ Demo	Identified Problem	Supply of seeds, planting materials etc.
1	VE (Introduction of Improved variety)	Khari f 2023	Urd-bean/ Black-gram IPU – 13-1 (2019-Resistant to MYMV)	10	25	<ul style="list-style-type: none"> <li>• Low productivity</li> <li>• Lack of improved varieties</li> <li>• No seed treatment</li> <li>• No Weed management</li> <li>• No soil test based nutrient management</li> </ul>	Seed@ 16-20 kg/ha Seed treatment (Rhizobium@5gm/Kg) Weed management Need based nutrient management
2	VE (Introduction of Improved variety)	Khari f 2023	Moong-bean/ Green-gram IPM 512-1 (Soorya-Yr. 2020, Resistant to MYMV, Cercospora leaf spot and Anthracnose)	10	25	<ul style="list-style-type: none"> <li>• Low productivity</li> <li>• Lack of improved varieties</li> <li>• No seed treatment</li> <li>• No Weed management</li> <li>• No soil test based nutrient management</li> </ul>	Seed@ 16-20 kg/ha Seed treatment (Rhizobium@5gm/Kg) Weed management Need based nutrient management
3	VE (Introduction of Improved variety)	Khari f 2023	Pigeon pea IPA - 203 (2014)	10	25	<ul style="list-style-type: none"> <li>• Low productivity</li> <li>• Lack of improved varieties</li> <li>• No seed treatment</li> <li>• No Weed management</li> <li>• No soil test based</li> </ul>	Seed@ 16-20 kg/ha Seed treatment (Rhizobium@5gm/Kg) Weed management Need based nutrient management

						nutrient management	
4	VE (Introduction of Improved variety)	Rabi 2023	<b>Field Pea</b> IPFD 12-8 (Aakash - Resistant to powdery mildew and rust disease. Moderately resistant to pod borer)	10	25	<ul style="list-style-type: none"> <li>• Low productivity</li> <li>• Lack of improved varieties</li> <li>• No seed treatment</li> <li>• No Weed management</li> <li>• No soil test based nutrient management</li> </ul>	Seed @ 100 kg/ha Seed treatment (Rhizobium@5gm/Kg) Weed management Need based nutrient management
5	VE (Introduction of Improved variety)	Zaid 2023	<b>Urd-bean/</b> Black-gram IPU – 13-1 (2019- Resistant to MYMV)	10	25	<ul style="list-style-type: none"> <li>• Low productivity</li> <li>• Lack of improved varieties</li> <li>• No seed treatment</li> <li>• No Weed management</li> <li>• No soil test based nutrient management</li> </ul>	Seed@ 16-20 kg/ha Seed treatment (Rhizobium@5gm/Kg) Weed management Need based nutrient management
6	VE (Introduction of Improved variety)	Zaid 2023	<b>Moong-bean/</b> Green-gram IPM 512-1 (Soorya-Yr. 2020, Resistant to MYMV, Cercospora leaf spot and Anthracnose)	10	25	<ul style="list-style-type: none"> <li>• Low productivity</li> <li>• Lack of improved varieties</li> <li>• No seed treatment</li> <li>• No Weed management</li> <li>• No soil test based nutrient management</li> </ul>	Seed@ 16-20 kg/ha Seed treatment (Rhizobium@5gm/Kg) Weed management Need based nutrient management
<b>Total</b>				<b>60</b>	<b>150</b>		

<b>CFLD on Oilseeds</b>							
1	VE (Introduction of Improved variety)	Kharif 2023	<b>Sesamum</b> (GJT-05, Yr. 2015)	10	25	<ul style="list-style-type: none"> <li>• Use of un-descript variety</li> <li>• No seed treatment</li> <li>• No use of Weedicide</li> <li>• INM not in practice</li> </ul>	Seed@ 4 kg/ha Seed treatment (Carbendazim@2.5gm/ha) Weed management Need based insecticide Sulphur WDG 80% @1.25 kg/ha
2	VE (Introduction of Improved variety)	Rabi 2023	<b>Mustard</b> Salt Tolerant (CS-60, Yr. 2019)	50	125	<ul style="list-style-type: none"> <li>• Use of un-descript variety</li> <li>• No seed treatment</li> <li>• No use of Weedicide</li> <li>• INM not in practice</li> </ul>	Seed@ 04-05 kg/ha Seed treatment (Carbendazim@2.5gm/Kg) Weed management Need based nutrient management
3	VE (Introduction of Improved variety)	Zaid 2023	<b>Sunflower</b> Hybrid Variety – (KSH-7021, Yr. 2020)	10	25	<ul style="list-style-type: none"> <li>• Use of un-descript variety</li> <li>• No seed treatment</li> <li>• No use of Weedicide</li> <li>• INM not in practice</li> </ul>	Seed@ 08-10 kg/ha Seed treatment (Carbendazim@2.5gm/Kg) Weed management Need based nutrient management

<b>Total</b>	<b>70</b>	<b>175</b>		
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### DETAILS OF ACTION PLAN OF NARI DURING 2021

#### Crop Production

S. No	Thrust area	Season and year	Crop/ Enterprise	Area (ha)	No. of farmers/ Demon.	Identified Problem	Interventions			
							Title of FLD if any	Title of Training if any	Extension activities	Supply of seeds, planting materials etc.
1	Introduction of Bio-fortified variety	<i>Kharif</i> 2023	Paddy (CR-Dhan-310-Protien rich)	2.5	10	<ul style="list-style-type: none"> <li>• Cultivation of non-suitable varieties</li> <li>• No seed treatment</li> <li>• No INM</li> <li>• No IWM</li> <li>• No use of planting methods</li> </ul>	Introduction of Bio-fortified variety	ICM	Field day	Seed, Weedicide, Fungicide, Micronutrient, Pesticide (As per need)
2	Introduction of Bio-fortified variety	<i>Rabi</i> 2023	Wheat (WBO-2-Zn+Fe rich)	2.5	10	<ul style="list-style-type: none"> <li>• Cultivation of non-suitable varieties</li> <li>• No seed treatment</li> <li>• No INM</li> <li>• No IWM</li> <li>• No use of planting methods</li> </ul>	Introduction of Bio-fortified variety	ICM	Field day	Seed, Weedicide, Fungicide, Micronutrient, Pesticide (As per need)
3	Introduction of Bio-fortified variety	<i>Rabi</i> , 2023	Mustard (Pusa Mustard-30-Low eluric acid)	2.5	10	<ul style="list-style-type: none"> <li>• Cultivation of non-suitable varieties</li> <li>• No seed treatment</li> <li>• No INM</li> <li>• No IWM</li> </ul>	Introduction of Bio-fortified variety	ICM	Field day	Seed, Weedicide, Fungicide, Micronutrient, Pesticide (As per need)

#### Nutritional garden

S. No	Thrust area	Season and year	Crop/ Enterprise	No. of Kitchen garden	No. of farmers/ Demon.	Identified Problem	Interventions			
							Title of FLD if any	Title of Training if any	Extension activities	Supply of materials etc.
1	Nutritional Gardening	Round the year	Kitchen garden	10	10	<ul style="list-style-type: none"> <li>• Not availability of organic vegetable</li> <li>• Micro nutrients deficiency</li> <li>Labor saving</li> </ul>	Kitchen garden	Importance of Collective Nutritional Gardening	Field Day	Sapling of vegetables , Seed

**Integrated farming system for 1 Hectare land  
(AES=Agriculture + Horticulture + AH)**

Sl. No.	Components	Crops/9component	Area (ha.)	Cost (Rs.)	Remarks
1	<b>Crop production</b>	Rice-wheat-Mentha/Urd/Moong, Chick-pea	0.4	30,000.00	On cropping system basis
2	<b>Fodder production</b>	Napier, Bajra hybrid (NB-37, Sudan chari	0.01	10,000.00	Sowing seasonal fodder
3	<b>Agro-forestry</b>	Sesamum, Teak, Eukelyptus	0.01	5,000.00	
4	<b>Fruit production</b>	Guava, Ber, Aonla	0.1	10,000.00	
5	<b>Vegetable production</b>	Brinjal, Okara, and cucurbits	0.08	18,000.00	Growing seasonal vegetables
6	<b>Fish area (Pond)</b>	Grass, common, silver corp	0.25	20,000.00	
7	<b>Bee-keeping</b>	Apis menifera	06 Boxes	18,000.00	Rear bee based on season
8	<b>Vermi-composting</b>	Eisenia fetida	50 sqm	5,000.00	Vermiculture for sale while vermi-compost being utilized in crops
9	<b>Nadep compost</b>		50 sqm	5,000.00	Compost utilized in crops
10	<b>Dairy</b>	02 milch animals	10 m <sup>2</sup>	80,000.00	Keeping indigenous/ crossbred cattle
11	<b>Poultry</b>	250 Birds	250 sq.ft.	20,000.00	Keeping broilers
12	<b>Goatry</b>	Goat (5+1)	(15 sq.ft.	45,000.00	Keeping Barbari
		<b>Total</b>		2,66,000.00	

**Integrated farming system for 1 Acre land  
(AES=Agriculture + AH)**

Sl. No.	Components	Crops/component	Area (ha.)	Cost (Rs.)	Remarks
1	<b>Crop production</b>	Rice-wheat-Mentha/Urd/Moong, Chick-pea	0.25	20,000.00	On cropping system basis
2	<b>Fodder production</b>	Napier, Bajra hybrid (NB-37, Sudan chari	0.01	10,000.00	Sowing seasonal fodder
3	<b>Agro-forestry</b>	Sesamum, Teak, Eucalyptus	0.01	5,000.00	Plated at bank of pond
6	<b>Fish area (Pond)</b>	Grass, common, silver corp	0.15	6,000.00	Round the year
7	<b>Bee-keeping</b>	Apis menifera	06 Boxes	18,000.00	Rear bee based on season
8	<b>Vermi-composting</b>	Eisenia fetida	50 sqm	5,000.00	Vermiculture for sale while vermi-compost being utilized in crops
9	<b>Nadep compost</b>		50 sqm	5,000.00	Compost utilized in crops
10	<b>Dairy</b>	04 milch animals	20 m <sup>2</sup>	1,50,000.00	Keeping indigenous/ crossbred cattle
11	<b>Poultry</b>	250 Birds	250 sq.ft.	20,000.00	Keeping broilers
12	<b>Goatry</b>	Goat (5+1)	(15 sq.ft.	45,000.00	Keeping Barbari/
		<b>Total</b>		<b>2,84,000.00</b>	

Indicators	Backyard Poultry	Goat farming	Beekeeping
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	<b>(Kadakhnath)</b>		
Key technological and institutional intervention establishing micro entrepreneurial units	True to the breed/strain stock Balanced feeding Low cost incubator cum hatcher	Breed improvement Better growth and production through high protein feed made up of locally available ingredients	Collection of pollen and propolis, market-led-extension, off season feed management
No. of training programs	1	1	1
No. of youth to be involved	20	20	20

<b>NATURAL RESOURCE MANAGEMENT</b>			
<b>Intervention</b>		<b>Area in Acre (Target)</b>	<b>Remarks</b>
Re-bore of old borings		8	Available lifesaving irrigation during Drought
Bunding , Leveling (Laser leveling)		100	To maintain Homogeneous condition to crop as well as sodic field
Rice-residue retention / Residue management		50	For protect the plant damage due to water logging.
<b>Total</b>		<b>158</b>	
<b>CROP PRODUCTION</b>			
<b>Intervention</b>		<b>Area in Acre (Target)</b>	<b>Remarks</b>
Salt tolerant varieties (Paddy)		100	Salt tolerant/Stress tolerant
Salt tolerant varieties (Wheat)		70	Salt tolerant/Stress tolerant
Salt tolerant varieties (Mustard)		100	Salt tolerant/Stress tolerant
Nutrient Management (Soil Test Basis)	Paddy	10	For enhancement in yield BCR and improvement of sodic land
	Wheat	10	For enhancement in yield BCR and improvement of sodic land
Green Manuring		25	For enhancement in yield BCR and improvement of sodic land
Brown Manuring		50	For enhancement in yield BCR and improvement of sodic land
<b>Total</b>		<b>365</b>	

<b>LIVESTOCK / FISHERIES UNITS</b>		
<b>Intervention</b>	<b>Area in Acre (Target)</b>	<b>Remarks</b>
Income generation activities (Paddy cum fish culture)	10	For enhance the additional income in farm family
Fodder Production For Milch Animal	20	To provide the green fodder to animals round the year for health

Mineral mixture demos	500	Enhance the milk production & Reproduction
Poultry	2	For Integrated Farming System to increase family income
Vermi-compost unit	5	For Integrated Farming System to increase family income
<b>Total</b>	<b>537</b>	

#### CAPACITY BUILDING & TRAINING PROGRAMMERS

##### TRAINING COERCES

Theme Of Training	No of Training Proposed	No. of participants
In-situ moisture conservation	2	60
Soil health	6	180
RCT	4	120
Feed Management	2	60
Weed Management	4	120
Storage	1	30
Capacity Building	1	30
Income Generation	3	90
<b>Total</b>	<b>23</b>	<b>690</b>

##### FIELD DAY

Theme	No. of Field Day Proposed	No. of participants
To Aware & Convince the farmers	4	200
about performance of new variety	6	300
<b>Total</b>	<b>10</b>	<b>500</b>

#### RAIN WATER HARVESTING AND IFS MODEL

Components	Area (ha.)	Cost (Rs.)
<b>CROP PRODUCTION</b>		
Rice – Wheat – Mentha / Urd/ Moong, Chick-pea	0.4	30,000.00
Fodder production (Seasonal/Perennial)	0.01	10,000.00
<b>HORTICULTURE</b>		
Fruit (Guava, Ber, Aonla)	0.1	10,000.00
Seasonal Vegetable	0.08	18,000.00
Agro-forestry	0.01	5,000.00
Fish area (Pond)	0.20	6000.00
Bee-keeping	06 Boxes	18,000.00
Vermi-composting	50 sqm	5,000.00
Nadep compost	50 sqm	5,000.00
<b>LIVE-STOCK</b>		

1. Dairy	02 milch animals (42 m <sup>2</sup> )	40,000.00
2. Poultry	250 Birds (250 sq.ft.)	20,000.00
3. Duckery	50 Birds (100 sq.ft.)	5,000.00
4. Goatry	Goat (40 sq.ft. – 5+1)	45,000.00
Total (Rs.)		2,17,000.00

## **ACTION PLAN**

### **KVK-I PRAYAGRAJ**

(1<sup>st</sup> Jan., 2023 to 31<sup>st</sup> Dec. 2023)

#### **1. GENERAL INFORMATION ABOUT THE KVK**

##### **1.1. Name and address of KVK with phone, fax and e-mail**

Address	Telephone		E mail	Website
	Office	Fax		
Krishi Vigyan Kendra, Sam Higginbottom University of Agriculture, Technology & Sciences PO Allahabad Agricultural Institute, Allahabad 211 007	7317711945	0532- 2684394, 2684593	kvkaldshuats@g mail.com	allahabad.kvk4.i n

##### **1.2 .a. Name and address of host organization with phone, fax and e-mail**

Address	Telephone		E mail	Website
	Office	FAX		
Krishi Vigyan Kendra, Sam Higginbottom University of Agriculture, Technology & Sciences PO Allahabad Agricultural Institute, Allahabad 211 007	0532-2684281, 2684781	0532-2684394, 2684593	info@shiats. edu.in	www.shiats.ed u.in

1.2.b. Status of KVK website: Functional

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :

1.2.d Status of ICT lab at your KVK: Not applicable







##### **1.3. Name of the Programme Coordinator with phone & mobile no.**

Name	Telephone / Contact		
	Office	Mobile	Email
Dr Samuel Deepak Mecarty	7317711945	73177119 45	<a href="mailto:sdmecarty@gmail.com">sdmecarty@gmail.com</a> <a href="mailto:sd_mecarty@rediffmail.com">sd_mecarty@rediffmail.com</a>

**1.4. Year of sanction: 1994**



**1.5. Staff Position (as on 31 Mar 2022)**

Sl. No.	Sanctioned post	the incumbent	Designation	Discipline	Scale (Rs.) + Level	CPC	basic (Rs.)	Date of joining	ent	/Tempor	(SC/ST/OBC/	Mobile No.	Email id	Please attach recent
1	1	Dr.S.D. MeCarty	Head	Animal Science	3740-6700+9000	13 A	161300	16.9.2011	Perman	ent	Other	9918039124	sdmecarty@gmail.com	
2	1	Dr.D.S. Chauhan	Scientist	Agronomy	1560-3910+5400	10	110700	14.6.95	do	do	do	9450582077	dsc.2008@rediffmail.com	
3	1	Dr.Ajay Kumar	Scientist	Extension	1560-3910+5400	10	110700	9.6.95	do	do	do	9450306419	ajaymasih80@yahoo.com	
4	1	Dr. GPM.Singh	Scientist	Agri.Engg.	1560-3910+5400	10	110700	16.6.95	do	do	do	9452073589	gpmsingh@rediffmail.com	
5	1	Rana Pratap Singh	Scientist	Horticulture	1560-3910+5400	10	110700	3.7.95	do	do	do	9450629147	rps.kvkald@gmail.com	
6	1	Subodh Yadav	Scientist	A.H	1560-3910+5400	10	75400	16.9.11	do	do	do	7398393332	ysubodhyadav914@gmail.com	

7	1	Nimisha S Natrajan	Scientist	H. Sc.	15600-39100+5400	10	63100	19.12.2018	Do	Do	8210301570	<a href="mailto:nimishsnatarajan@gmail.com">nimishsnatarajan@gmail.com</a>	
8	1	S.K.lal	Prog. Assst	Computer	9300-34800+4200	6	76500	9.6.95	do	do	9415635629	guntoo@rediffmail.com	
9	1	M.K.tripathi	Prog. Assst	Agri.	9300-34800+4200	6	76500	14.6.95	do	do	9415481656	NA	
10	1	S.P.singh	Prog. Assst	Agri.	9300-34800+4200	6	76500	16.6.95	do	do	9415252740	guddu1625@gmail.com	
11	1	Jitendra Singh	Farmanager	Agri.	9300-34800+4200	6	76500	9.6.95	do	do	9451053842	jitendra945105@gmail.com	
12	1	R.D.Singh	O.S. Cum accountant	O.S. Cum accountant	9300-34800+4200	6	76500	9.10.95	do	do	9005144849	rajendradanveersingh@gmail.com	
13	1	A.K.Das	Driver	-	5200-20200+2000	3	39400	1.6.95	do	do	9648625569	NA	
14	1	Pramod Massey	S.Staff	-	5200-20200+1800	1	32400	13.9.96	do	do	9935212212	pramodmassey@gmail.com	
15	1	Brijesh markush	S.Staff	-	5200-20200+1800	1	23500	1.9.14	do	do	9889415516	brijeshmarkushdandi@gmail.com	
16	1	DayashankarBhartia	Temp	-	5200-20200+1800	-	18500	1.12.2021	-	-	-	-	

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	2.0 approx
2.	Under Demonstration Units	0.1
3.	Under Crops	20.26
4.	Horticulture	3
5.	Pond	-
6.	Others if any	-
	<b>Total</b>	<b>25.36</b>

### 1.7. Infrastructural Development:

#### A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	1999	696	21.38	-	-	-
2.	Farmers Hostel	ICAR	2005	305	19.13	-	-	-
3.	Staff Quarters (6)	-	-	-	-	-	-	-
4.	Demonstration Units (Piggery)	ICAR	-	160	-	-	-	-

#### B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Bolero	2009	587403	94947.5	In use
Motor Cycles -2	1995-96	56550	185000	Required to change

Tractor	2016	224590	887.9	In use
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### C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Television color –1	1994-95	15300	Required to change
Amplifier –1	1994-95	3290	Running
Mike-2	1994-95	1340	-do-
Electronic typewriter –1	-do-	38693	Not working
Photo automatic slide projector –1	1995-96	15827	Not working
Overhead projector -1	1995-96	8918	working
Still camera Pantaax –1	-do-	15245	Need new
VCR Philips –1	-do-	16850	Working but outdate
Speakers –2	1996-97	2522	-do-
Fax machine –1	2003-04	14472	Condemned
HP printer –1	-do-	3800	-do-
Office almirah –1	-do-	3900	-do-
Spectrophotometer	2016	45000	Running
Flame photometer	2016	38000	Running
pH meter	2016	7300	Running
Conductivity meter	2016	8700	Running
Shaker	2016	50000	Running
Oven	2016	10000	Running
Distillation unit	2016	28000	Running
Physical balance	2016	10000	Running
Chemical balance	2016	83000	Running
Water Distillation unit	2016	6000	Running
Apple Mac Book -1	2017	89900	Running
Dell desktops -2	2017	111000	Running
Hard disk -1	2017	27500	Running
Projector -1	2017	85000	Running
BenQ TV -1	2017	175000	Running
Information Kiosk	2017	<b>135000</b>	Running
Air Conditioners -2	2017	<b>59000</b>	Running
Pusa STRF Meter	2017	<b>72000</b>	Running
Dlink 24 port switch	2018	<b>7985</b>	Running
Projector- Dell -1	2016	<b>29500</b>	Running
Laser Printer -2	2016	<b>12400</b>	Running

Lenovo Desktop -6	2016	<b>171000</b>	Running
Wireless Routers-3	2016	<b>5550</b>	Running
Cultivator -1	2016	<b>27000</b>	Running
Harrow -1	2016	<b>24000</b>	Running
MB Plough -1	2016	<b>19000</b>	Running
PA System -1	2019	<b>28500</b>	Running
Invertor system -1	2019	<b>50800</b>	Running

### 1.8. A). Details of SAC meetings to be conducted in the year

Sl.No.	Date
1. Scientific Advisory Committee	30 <sup>th</sup> Nov. 2021

## 2. DETAILS OF DISTRICT

### 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1	<p><b>Agriculture</b></p> <p>In case of Agriculture crops Paddy has the largest share followed by Bajra, Arhar, Urd&amp;Moong in declining order during the Kharif season.</p> <p>In Rabi, Wheat is pre dominant followed by pulses and oilseed. Among oilseed crops, Mustard has very less area under pure farming and is grown mainly as a mixed crop. Linseed dominates the oilseed scenario of the district and is mainly grown in Jamunapar area. In case of pulses gram has largest area followed by Pea and Lentil (Masoor). There is fairly good acreage under Barely.</p>
2	<p><b>Horticulture</b></p> <p>In case of Horticultural vegetable crops, the cultivation of Potato, Brinjal, Tomato, Ladies finger and the Pea are the main crops. Guava is the main horticulture fruit crop grown largely in Gangapar area. Watermelon (Hirminji) and Melon (Kharbuja) are largely grown in riverbed area of Gangapar.</p> <p>There is a vast scope for development of Horticulture as an enterprise</p>
3	<p><b>Animal Husbandry</b></p> <p>Both big and medium farmers prefer to keep one or two live stocks. Overall Buffalo is preferred over cow but the Dwaba and Jamunapar area has preference for now. In Gangapar area both Cow and Buffalo are important. Some Scheduled Caste families are involved in pig keeping. Goat and Sheep are preferred in low-lying area. Poultry, Duckery, Fish Farming is catching up.</p>

### 2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

#### a) Soil type

Sl. No.	Agro-climatic Zone	Characteristics
1	Tropical	District Allahabad is situated in the South-Eastern part of the State Uttar Pradesh. It lies between the parallels of 24 <sup>0</sup> 77' and 25 <sup>0</sup> 47' north

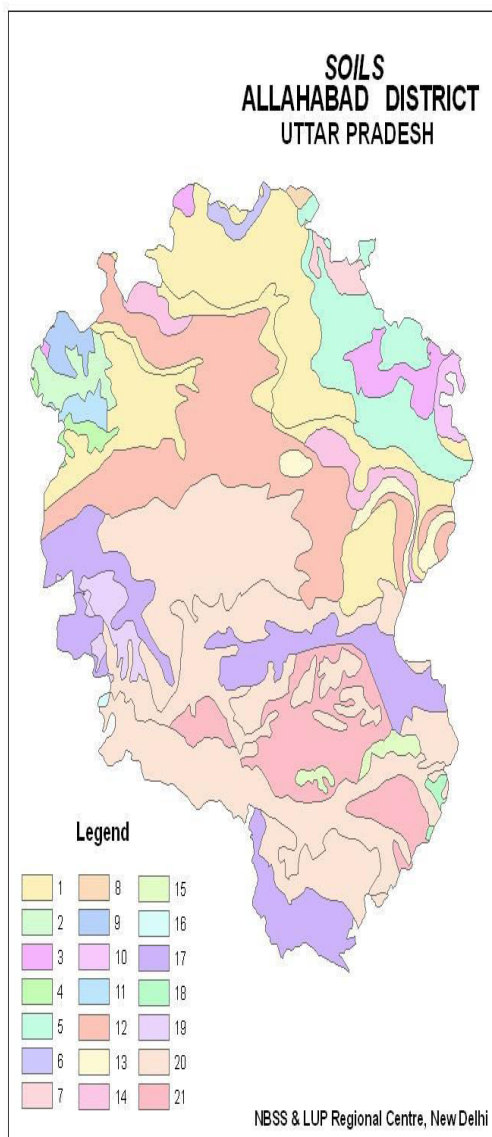
	<p>latitudes and 81° 19' and 82° 21' east longitudes.</p> <p>Allahabad district has such tropical climate that the average maximum temperature ranges between 43°C - 47°C which may go as high as 48°C during peak summers. The minimum average temperature is 2-4°C which may fall as low as 1.5°C during peak winter months (Dec.-Jan.) The average rainfall of the district is 960 mm and the monsoon season is spread between July-September.</p>
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## b) Topography

S. No.	Agro ecological situation	Characteristics
1	AES-I	Black & coarse gray land (Jamunapar)
2	AES-II	Jamuna Khaddar & alluvial ((Jamunapar)
3	AES-III	Ganga low land & sodic (Gangapar)

## 2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Clay loam to sandy loam	Black & coarse gray land (Jamunapar)	230.1
2	Loam & Sandy Loam	Jamuna Khaddar & alluvial (Jamunapar)	51.1
3	Sandy loam to sodic	Ganag low land & sodic (Gangapar)	92



## SOILS OF ALLAHABAD DISTRICT (U.P.)

### Alluvial plain (0-1% slope)

1. Deep, loamy soils and slightly eroded
2. Deep, fine soils moderately saline and sodic associated with loamy soils, slightly eroded
3. Deep, fine soils and slightly eroded associated with loamy soils slightly saline and moderately sodic
4. Deep, fine soils and slightly eroded associated with loamy soils
5. Deep, silty soils with moderately salinity and sodicity associated with loamy soils with moderate salinity and sodicity and water logging
6. Deep, loamy soils with moderately water logging associated with loamy soils with slight salinity/sodicity
7. Deep, silty soils and slightly eroded associated with loamy soils slightly saline and slightly sodic
8. Deep, loamy soils and slightly eroded associated with loamy soils with moderate salinity and sodicity and moderate water logging.
9. Deep, silty soils associated with loamy soils slightly eroded
10. Deep, silty soils with moderate salinity/sodicity associated with loamy soils slightly eroded
11. Deep, loamy soils and slightly eroded associated with silty soils slightly saline/sodic and moderately sodic

### Active Flood Plain (1-3% slope)

12. Deep, sandy soils with moderate flooding associated with stratified loamy soils and slight flooding
13. Deep, stratified loamy soils, with severe flooding associated with loamy soils with moderate flooding
14. Deep, sandy soils with slight flooding associated with stratified loamy soils and slight flooding

### Vindhyan Ranges and Scrap Lands (Sand stone landscape) Moderately Steep slopes (15-30% slope)

15. Shallow, loamy-skeletal soils and severely eroded associated with rock outcrops

### Plateau (Sandstone on 1-3% slope)

16. Moderately shallow, sandy-skeletal soils and very severely eroded associated with, loamy-skeletal soils and severely eroded
17. Moderately shallow, loamy soils and moderately eroded

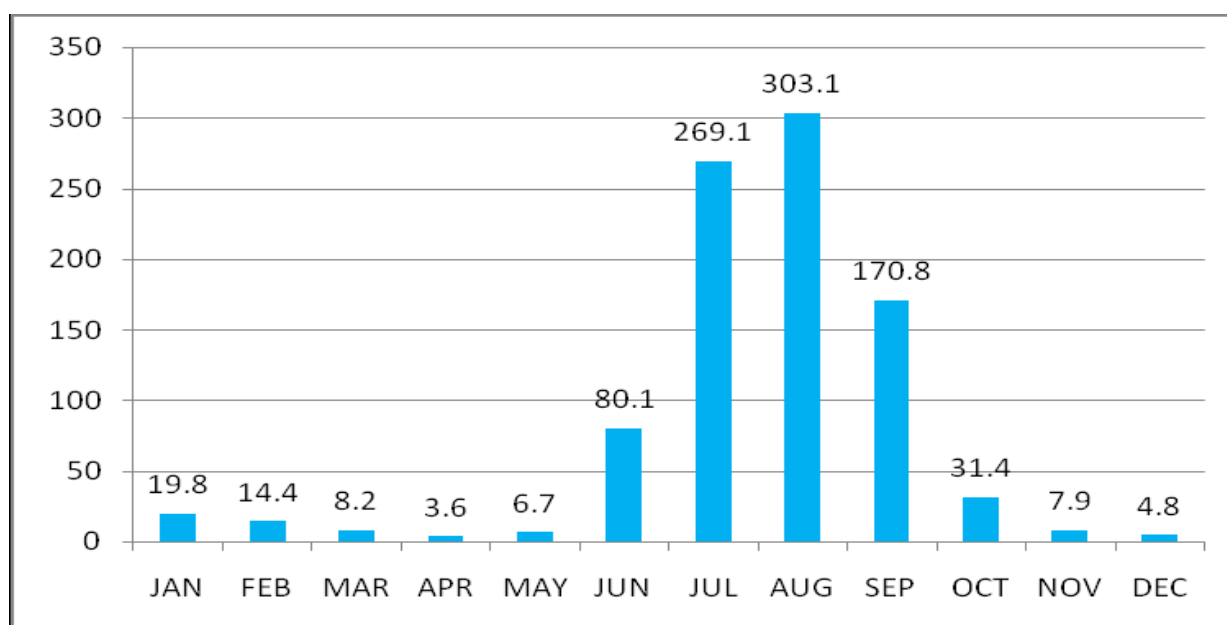
	<p>18. Deep, loamy soils and moderately eroded associated with fine soils and moderately eroded</p> <p>19. Deep, loamy soils and moderately eroded associated with moderately shallow loamy soils and moderately eroded</p> <p>20. Deep, fine smectite soils and moderately eroded associated with moderately shallow loamy soils and moderately eroded</p> <p>21. Deep, fine smectite soils and slightly eroded associated with loamy soils, slightly eroded</p>
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#### 2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
A	<b>FIELD CROPS INCLUDING OIL SEEDS AND PULSES</b>			
1	Paddy	146600	370562	21.57
2	Wheat	215100	469115	22.19
3	Barley	5074	5200	1025
4	Jowar	5854	8246	14.09
5	Bajra	27752	30868	11.12
6	Urd	3587	1713	4.78
7	Moong	3409	1537	4.51
8	Masoor	7348	6209	8.45
9	Gram	15800	14543	9.50
10	Pea	4364	4290	9.83
11	Arhar	15600	18075	10.86
12	Lahi/mustard	1040	810	7.79

Source: District agriculture department.

#### Annexure 2 Average month-wise rainfall (mm) of Allahabad District





### 3. TECHNICAL PROGRAMME

#### A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
10	41	24 + 90 (CFLD)	155 + 225 (CFLD)

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
104	2080	270	6130

Seed Production (Qtl.)	Planting material Production (Nos.)	Fish seed prod. (Nos.)	Soil Samples analyzed (Nos.)	Development of Soil Health Cards (Nos.)
(5)	(6)	(7)	(8)	(9)
204	20000	-	720	3000

Quality seed distributed (q)	No. of saplings distributed (Nos.)	No. of fingerlings distributed (Nos.)	No. of livestock & poultry strains distributed (Nos.)
(10)	(11)	(12)	(13)

#### B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Promotion of HYV variety	paddy	Low yield of paddy	-	Demo of HYV paddy	Cultivation tech of paddy	-	Pre-sowing goshi & field day	paddy seed
2	Promotion of wilt resistant variety	Pigeon pea	Problem of Wilt disease	-	Demonstration of wilt resistant variety	Cultivation tech of pigeon pea.	-	Goshi, field day.	Pigeon pea Seed

3	Promotion of high yielding variety	Wheat	Low yield of wheat	-	Demo of HYV wheat	Cultivation tech of wheat	-	Pre-sowing goshi & field day	Wheat seed
4	Promotion of HYV scented rice variety	scented rice	Low yield of scented rice	Trials on Scented Rice	-	Cultivation tech of scented rice	-	Pre-sowing goshi & field day	scented rice seed
5	Promotion of high yielding variety	Chickpea, Lentil	Low yield of Chickpea, Lentil	-	Demo of HYV Chickpea, Lentil	Cultivation tech of Chickpea, Lentil	-	Pre-sowing goshi & field day	Chickpea, Lentil seed
6	Promotion of high yielding variety	Mustard	Low yield of Mustard	-	Demo of HYV Mustard	Cultivation tech of Chickpea	-	Pre-sowing goshi & field day	Mustard seed
7.	Weed Management	Wheat	Low yield of wheat	Trials on weedicide	-	Application of weedicide	-	Pre-sowing goshi	Weedicide

### 3.1 Technologies to be assessed and refined

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	1				2					3
Weed Management	1									1
Farm machineries	2									2
<b>TOTAL</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>					<b>6</b>

#### A.2. Abstract on the number of technologies refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
Varietal Evaluation	1				2					3
Weed Management	1									1

Farm machineries	2								2
<b>TOTAL</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>				<b>6</b>

### A.3. Abstract on the number of technologies assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Home Science	TOTAL
Evaluation of Breeds					1			1
Nutrition Management							2	2
Disease of Management	1							1
<b>Total</b>	<b>1</b>				<b>1</b>		<b>2</b>	<b>4</b>

### A.4. Abstract on the number of technologies refined in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Home Science	TOTAL
Evaluation of Breeds					1			1
Nutrition Management							2	2
Disease of Management	1							1
<b>Total</b>	<b>1</b>				<b>1</b>		<b>2</b>	<b>4</b>

## B. Details of On Farm Trial (Based on soil test analysis)

### OFT-1

Particulars	Contents
<b>Title</b>	Yield performance of Scented Rice thru high yielding variety.
<b>Problem diagnosed</b>	Low yield of Scented Rice
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T <sub>1</sub> – Farmers practice (Sonam) T <sub>2</sub> – Pusa sugandha-6
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Critical inputs</b>	Seed (20Kg.)
<b>Production system</b>	Varietal evaluation
<b>Source of technology</b>	IARI, New Delhi

<b>Total Cost</b>	Rs.1500
<b>Observation to be recorded</b>	No of tillers /plant, Maturity Days, Yield q/ha, Cost of input Rs/ha, Net return Rs/ha, CB ratio
<b>Reaction of the farmers</b>	Suitability and compatibility of technology.

### OFT-2

Particulars	Contents
<b>Title</b>	Weed management in wheat.
<b>Problem diagnosed</b>	Low yield of wheat due to heavy infestation of weeds.
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T <sub>1</sub> – Farmers practice ( Isoproturan 75% WP@1.25 Kg./ha) T <sub>2</sub> – Coldinafop-propargyl15%WP @400gm./ha
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Critical inputs</b>	Coldinafop -propargyl15%WP @400gm./ha
<b>Production system</b>	Weed management
<b>Source of technology</b>	DWSR,Jabalpur(M.P)
<b>Total Cost</b>	Rs.2000
<b>Observation to be recorded</b>	Type of Weeds, No. of weeds/sq. meter, Yield q/ha, Cost of input Rs/ha, Net return Rs/ha, CB ratio
<b>Reaction of the farmers</b>	Suitability and compatibility of technology.

### OFT-3

Particulars	Contents
<b>Title</b>	Yield performance of vegetable pea thru HYV
<b>Problem diagnosed</b>	Low yield of vegetable pea
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T <sub>1</sub> – Farmers practice (Arkil) T <sub>2</sub> -Kashi Nandini
<b>No. of farmers</b>	5
<b>Replications</b>	5
<b>Critical inputs</b>	Seed 30 kg
<b>Production system</b>	Varietal evaluation
<b>Source of technology</b>	IIVR Varanasi

<b>Total Cost</b>	Rs.5000/-
<b>Observation to be recorded</b>	Plant Ht., no of pods/plant, Maturity DAS
<b>Reaction of the farmers</b>	Suitability and compatibility of technology.

#### OFT-4

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Yield performance of Okra thru HYV
<b>Problem diagnosed</b>	Low yield of Okra
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	T <sub>1</sub> – Farmers practice (7313) T <sub>2</sub> – Kashi Kranti/Kashi lalima
<b>No. of farmers</b>	5
<b>Replications</b>	5
<b>Critical inputs</b>	Seed 10 kg
<b>Production system</b>	Varietal evaluation
<b>Source of technology</b>	IIVR Varanasi
<b>Total Cost</b>	Rs.2500/-
<b>Observation to be recorded</b>	Plant Ht., no of fruit/plant, fruit size
<b>Reaction of the farmers</b>	Suitability and compatibility of technology.

#### OFT-5

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Evaluation of sowing of paddy by drum seeder with herbicide as compared to manual transplanting
<b>Problem diagnosed</b>	High cost of preparation of seedlings, transplanting and initially excessive requirement of water in conventional method of cultivating paddy and control of weeds
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	Sowing of paddy by drum seeder T1 – Transplanting paddy seedlings manually (Farmers practice) T2 – Sowing of germinated paddy seeds by drum seeder and using Herbicide Pyrazosulfuron ethyl 10% (Saathi)
<b>No. of farmers</b>	3
<b>Replications</b>	3
<b>Critical inputs</b>	Drum seeder and paddy seed 12kg. (for 0.75 ha), hybrid seed And herbicide
<b>Production system</b>	Direct sowing of germinate paddy seed in field at soil saturation point, drudgery reduction and conservation of resources
<b>Source of technology</b>	CIAE, Bhopal
<b>Total Cost (Rs)</b>	7000/-

<b>Observation to be recorded</b>	Savings in time, labour, expenditure, field efficiency and fuel consumption, yield, cost of input and net returns
<b>Reaction of the farmers</b>	Suitability of technology and acceptability of machine

#### OFT-6

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Sowing of wheat using happy seeder
<b>Problem diagnosed</b>	Burning of straw after harvesting with combine
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	Line sowing of mustard T <sub>1</sub> – Sowing by conventional seed drill (Farmers practice) T <sub>2</sub> – Sowing by happy seeder
<b>No. of farmers</b>	3
<b>Replications</b>	3
<b>Critical inputs</b>	Happy seeder
<b>Production system</b>	Direct sowing of wheat by happy seeder after harvesting of paddy by combine and without burning straw.
<b>Source of technology</b>	SHUATS, Allahabad
<b>Total Cost</b>	2000
<b>Observation to be recorded</b>	Savings in time, labour, expenditure, field efficiency and seed rate, yield, cost of input, net returns and avoiding burning of straw
<b>Reaction of the farmers</b>	Suitability of technology and acceptability of machine

#### OFT-7

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Tick control Endo and Ectoparasite in cattle
<b>Problem diagnosed</b>	Poor health, status, low milk production
<b>Micro farming situation</b>	N/A
<b>Details of technology identified for solution</b>	T <sub>1</sub> – butter milk & kerosin oil T <sub>2</sub> – deworm injection
<b>No. of farmers</b>	03
<b>Replications</b>	03
<b>Critical inputs</b>	High tech injection
<b>Production system</b>	Increased Milk production
<b>Source of technology</b>	IVRI Bariely
<b>Total Cost</b>	Rs.3000/-
<b>Observation to be recorded</b>	Milk production, improved health status
<b>Reaction of the farmers</b>	N/A

**OFT-8**

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Assessment of breed improvement
<b>Problem diagnosed</b>	Inbreeding, low rate of farrowing
<b>Micro farming situation</b>	N/A
<b>Details of technology identified for solution</b>	Middle weight Yorkshire piglet
<b>No. of farmers</b>	03
<b>Replications</b>	03
<b>Critical inputs</b>	Middle weight Yorkshire piglet
<b>Production system</b>	Breed improvement
<b>Source of technology</b>	IVRI Bareilly
<b>Total Cost</b>	Rs.3000/-
<b>Observation to be recorded</b>	Body weight, Growth, and no of farrowing
<b>Reaction of the farmers</b>	N/A

**OFT-9**

<b>Particulars</b>	<b>Contents</b>
<b>Title</b>	Care and management of pregnant women in the third trimester
<b>Problem diagnosed</b>	High prevalence of nutritional deficiency disorders
<b>Micro farming situation</b>	N/A
<b>Details of technology identified for solution</b>	T <sub>1</sub> - Farmers practice (daily food consumption according to local availability) T <sub>2</sub> - Intake of nutritionally balanced diet and snack preparation using sprouted moong dal and chana
<b>No. of farmers</b>	5
<b>Replications</b>	5
<b>Critical inputs</b>	Nutritious diet
<b>Production system</b>	Health and nutrition
<b>Source of technology</b>	WHO guidelines (Antenatal care for a positive pregnancy experience) ICMR (NIN 2020)
<b>Total Cost</b>	3000
<b>Observation to be recorded</b>	<ul style="list-style-type: none"> <li>● Nutritional assessment of pregnant women               <ol style="list-style-type: none"> <li>1. Body weight</li> <li>2. Hemoglobin level</li> <li>3. BMI</li> </ol> </li> </ul>

	● Acceptability
Reaction of the farmers	N/A

### OFT-10

Particulars	Contents
Title	Preparation of low cost nutritious weaning foods
Problem diagnosed	Malnutrition among infants (0 to 6 months),Growth retardation in children
Farmers situation	No use of weaning foods
Details of technology identified for solution	T <sub>1</sub> - traditional practice -milk feeding T <sub>2</sub> - prepared weaning foods (bajra 45 gms+ roasted green gram dal 20 gms +roasted groundnut 10 gms+ til 5gms + sugar 30 gms) mothers milk
No. of farmers	4
Critical inputs	Weaning food packets
Production system	Health and nutrition
Source of technology	WHO guidelines for complementary feeding Food and Nutrition Board ministry of women and child development
Observation to be recorded	<ul style="list-style-type: none"> <li>● Nutritional assessment of infants</li> <li>1. Body weight (kg/ month)</li> <li>2. Body growth / month</li> <li>● Cost of weaning foods</li> </ul>
Reaction of the farmers	N/A

## 3.2 Frontline Demonstrations

### A. Details of FLDs to be organized (Based on soil test analysis)

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmer s/ demon	Parameters identified
<b>CFLD – 2023-24</b>									
<b>Season- Summer – CFLD</b>									
	Black Gram	PU-40,IPU-02-43	Varietal evaluation	High yielding variety of Black gram	Seed -30 Kg,/ha Rhizobium culture-25gm/kg seed,Tricho derma-2.5Kg/ha	Zaid-23-24	10.0	25	<ul style="list-style-type: none"> <li>▪ Maturity DAS</li> <li>▪ Yield</li> <li>▪ Cost of cultivation</li> <li>▪ Net return</li> <li>▪ CB ratio</li> </ul>
	Green Gram	PM-2-3,KM-2241	Varietal evaluation	High yielding variety of Green gram	Seed -30 Kg,/ha Rhizobium	Zaid-23-24	10.0	25	<ul style="list-style-type: none"> <li>▪ Maturity DAS</li> <li>▪ Yield</li> <li>▪ Cost of</li> </ul>



					culture- 25gm/kg seed,Tricho derma- 2.5Kg/ha				cultivation ▪ Net return ▪ CB ratio
<b>Season- CFLD</b>		<b>Kharif-</b>							
2	Pigeon pea	N.A-2,IPA- 203	Varietal evaluation	Wilt resistant HYV variety of pigeon pea	Seed - 16Kg/haPe ndamethlin e 3.3 Lit/ha .Rhizobium culture -25 Gm/ Kg seed, Trichoder ma-2.5Kg/ha	Kharif 23-24	10.0	25	▪ Maturity DAS ▪ Yield q/ha ▪ Cost of cultivation ▪ Net return ▪ CB ratio
3	Sesam um	RT- 351,GJT-5	Varietal evaluation	HYV variety of Sesamum	Seed - 4Kg/ha Sulpher- 40Kg/ha Pendame thline- 3.3lit/haLit.	Kharif 23-24	10.0	25	▪ Maturity DAS ▪ Yield q/ha ▪ Cost of cultivation ▪ Net return ▪ CB ratio
<b>Season- CFLD</b>		<b>Rabi-</b>							
5	Mustard	Giriraj, R.H- 749,725	Varietal evaluation	High yielding variety of Mustard	Seed -6 Kg/ha Sulphur 40Kg/ha, Pendame thline- 3.3Lit./ha	Rabi 23-24	30.0	75	▪ Maturity DAS ▪ Yield ▪ Cost of cultivation ▪ Net return ▪ CB ratio
6	Chickpe a	GNG- 1958,2144	Varietal evaluation	High yielding variety of Chickpea	Seed -80 Kg/ha Rhizobium culture- 25gm/kg seed ,Trichoder ma- 2.5Kg/ha	Rabi 23-24	10.0	25	▪ Maturity DAS ▪ Yield ▪ Cost of cultivation ▪ Net return ▪ CB ratio
7	Lentil	PL-8,IPL-316	Varietal evaluation	High yielding variety of	Seed - 60Kg/ha	Rabi 23-24	10.0	25	▪ Maturity DAS

				Lentil	Rhizobium culture- 25gm/kg seed, Trichoderma- 2.5Kg/ha					<ul style="list-style-type: none"> <li>▪ Yield</li> <li>▪ Cost of cultivation</li> <li>▪ Net return</li> <li>▪ CB ratio</li> </ul>
							90	225		▪

FLD – Cereals -2023-24										
Season- Kharif										
9	paddy	SHIATS Dhan-4	Varietal evaluation	HYV variety of paddy	Seed -40 Kg/ha	Kharif 23-24	3.0	20		<ul style="list-style-type: none"> <li>▪ Maturity DAS</li> <li>▪ Yield q/ha</li> <li>▪ Cost of cultivation</li> <li>▪ Net return</li> <li>▪ CB ratio</li> </ul>
Season- Rabi										
	Wheat	SHIATS W-9,10	Varietal evaluation	High yielding variety of Wheat	Seed 120kg /ha	Rabi 23-24	5.0	20		<ul style="list-style-type: none"> <li>▪ Maturity DAS</li> <li>▪ Yield q/ha</li> <li>▪ Cost of cultivation</li> <li>▪ Net return</li> <li>▪ CB ratio</li> </ul>
10	Mari gold	Pusanarangi	Varietal evaluation	Improved variety of pusanarangi	28000 saplings(Rs .16800)	Kharif 23-24	1.0	15		<ul style="list-style-type: none"> <li>▪ Maturity DAS</li> <li>▪ Yield q/ha</li> <li>▪ Cost of cultivation</li> <li>▪ Net return</li> <li>▪ CB ratio</li> </ul>
11	Onion	Pusa red	Varietal evaluation	Improved variety of pusa red	Seed -10 Kg(Rs.16000)	Rabi 23-24	1.0	15		<ul style="list-style-type: none"> <li>▪ Maturity DAS</li> <li>▪ Yield</li> <li>▪ Cost of cultivation</li> <li>▪ Net return</li> <li>▪ CB ratio</li> </ul>
					<b>Total</b>		<b>10.0</b>	<b>70</b>		

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	Critical inputs	Performance parameters / indicators
Green Fodder	cattle	16 (1.0 ha)	Makkhan grass (Fodder seed- 20 Kg) Rabi	Milk prod/no of days/ BC ratio
		16 (1.0 ha)	Nurtifeed (Zaid)	
	<b>Total</b>	<b>32 (2.0 ha.)</b>		

(iii) Home Science

Enterprise	Products	No. of farmers	Critical inputs	Performance parameters / indicators
Nutritional garden for nutritional security of family and minimize expenses	N/A	20(1.0ha)	Vegetable seeds	Maintain good nutritional status/ enhanced income BC ratio
	<b>Total</b>	<b>20(1.0ha)</b>		

**Sponsored Demonstration**

Sl. No.	Crop	Area (ha)	No. of farmers

**B. Extension and Training activities under FLDs**

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	9	Oct, Feb, June	225
2	Farmers Training	9	July, Oct, March	225
3	Media coverage	2		
4	Training for extension functionaries			

### C. Details of FLD on Enterprises

#### (i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
PAU manual seed drill	Vegetable pea	Rabi, 2023	5	1	PAU manual seed drill	Field efficiency, labor and cost savings
Straw combine	Wheat	Rabi, 2023	10	5.0	Straw combine	Quantity and quality of straw collected from field by straw combine
Baler	Paddy	Kharif, 2023	10	5.0	Baler	Residual paddy straws are collected by the machine and bundled into bales
		<b>Total</b>	<b>25</b>	<b>11</b>		

### 3.3 Training (Including the sponsored and FLD training programmes):

#### ON Campus

3.3 Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Integrated Crop Management	2	30	-	30	10	-	10	40
<b>Total</b>	<b>2</b>	<b>30</b>	<b>-</b>	<b>30</b>	<b>10</b>	<b>-</b>	<b>10</b>	<b>40</b>
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Off-season vegetables	1	15	-	15	5	-	5	20
<b>b) Fruits</b>								
Plant propagation techniques	1	15	-	15	5	-	5	20
<b>c) Ornamental Plants</b>								
<b>Total</b>	<b>2</b>	<b>30</b>	<b>-</b>	<b>30</b>	<b>10</b>	<b>-</b>	<b>10</b>	<b>40</b>
<b>III Soil Health and Fertility Management</b>								
Soil fertility management (Natural Farming)	2	30	-	30	10	-	10	40
<b>Total</b>	<b>2</b>	<b>30</b>	<b>-</b>	<b>30</b>	<b>10</b>	<b>-</b>	<b>10</b>	<b>40</b>
<b>IV Livestock Production and Management</b>								
Dairy Management	3	45	-	45	15	-	15	60
Disease Management	1	15	-	15	5	-	5	20
Feed management	1	15	-	15	5	-	5	20
<b>Total</b>	<b>5</b>	<b>75</b>	<b>-</b>	<b>75</b>	<b>25</b>	<b>-</b>	<b>25</b>	<b>100</b>

<b>V Home Science/Women empowerment</b>								
Design and development of low/minimum cost diet	1		15	15		5	5	20
Designing and development for high nutrient efficiency diet	1		15	15		5	5	20
Income generation activities for empowerment of rural Women	1		15	15		5	5	20
Women and child care	1		15	15		5	5	20
<b>Total</b>	<b>4</b>		<b>60</b>	<b>60</b>		<b>20</b>	<b>20</b>	<b>80</b>
<b>VI Agril. Engineering</b>								
Repair and maintenance of farm machinery and implements	1	15	-	15	5	-	5	20
<b>Total</b>	<b>1</b>	<b>15</b>	<b>-</b>	<b>15</b>	<b>5</b>	<b>-</b>	<b>5</b>	<b>20</b>
<b>VII Plant Protection</b>								
<b>VIII Fisheries</b>								
<b>IX Production of Inputs at site</b>								
Vermi-compost production	1	15	-	15	5	-	5	20
<b>TOTAL</b>	<b>1</b>	<b>15</b>	<b>-</b>	<b>15</b>	<b>5</b>	<b>-</b>	<b>5</b>	<b>20</b>
<b>X Capacity Building and Group Dynamics</b>								
Entrepreneurial development of farmers/youths	2	30	-	30	10	-	10	40
<b>Total</b>	<b>2</b>	<b>30</b>	<b>-</b>	<b>30</b>	<b>10</b>	<b>-</b>	<b>10</b>	<b>40</b>
<b>XI Agro-forestry</b>								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL ( I to XII )</b>	<b>19</b>	<b>225</b>	<b>60</b>	<b>285</b>	<b>75</b>	<b>20</b>	<b>95</b>	<b>380</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	1	15	-	15	5	-	5	20
Bee-keeping	1	15	-	15	5	-	5	20
Commercial fruit/flower production	1	15	-	15	5	-	5	20
Repair and maintenance of farm machinery and implements	1	15	-	15	5	-	5	20
Dairying	2	30	-	30	10	-	10	40
Sheep and goat rearing	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-
Piggery	2	30	-	30	10	-	10	40
Entrepreneurial development of rural youths	2	30	-	30	10	-	10	40
Rural Crafts	1		15	15		5	5	20
<b>TOTAL</b>	<b>11</b>	<b>150</b>	<b>15</b>	<b>165</b>	<b>50</b>	<b>5</b>	<b>55</b>	<b>220</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	1	15	-	15	5	-	5	20
Integrated Pest Management	1	15	-	15	5	-	5	20
Integrated Nutrient management [horti.]	1	15	-	15	5	-	5	20
Rejuvenation of old orchards	1	15	-	15	5	-	5	20

Protected cultivation technology (Ag. Engg.)	1	15	-	15	5	-	5	20
Formation and Management of FPOs	1	15	-	15	5	-	5	20
Need based applicability of different machines in different field operations	1	15	-	15	5	-	5	20
Management in farm animals	1	15	-	15	5	-	5	20
Livestock feed and fodder production	1	15	-	15	5	-	5	20
Household food security								
Women and Child care	1		15	15		5	5	20
Low cost and nutrient efficient diet designing	1		15	15		5	5	20
Production and use of Natural / organic inputs	1	15	-	15	5	-	5	20
<b>TOTAL</b>	<b>12</b>	<b>150</b>	<b>30</b>	<b>180</b>	<b>50</b>	<b>10</b>	<b>60</b>	<b>240</b>
<b>G. Total</b>	<b>42</b>	<b>525</b>	<b>105</b>	<b>630</b>	<b>175</b>	<b>35</b>	<b>210</b>	<b>840</b>

### OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1	15	-	15	5	-	5	20
Nursery management	1	15	-	15	5	-	5	20
Integrated Crop Management	6	90	-	90	30	-	30	120
Production of organic inputs	1	15	-	15	5	-	5	20
<b>Total</b>	<b>9</b>	<b>135</b>	<b>-</b>	<b>135</b>	<b>45</b>	<b>-</b>	<b>45</b>	<b>180</b>
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	2	30	-	30	10	-	10	40
Off-season vegetables								
Nursery raising	2	30	-	30	10	-	10	40
Exotic vegetables like Broccoli	1	15	-	15	5	-	5	20
Layout and Management of Orchards	2	30	-	30	10	-	10	40
Cultivation of Fruit	1	15	-	15	5	-	5	20
Plant propagation techniques	1	15	-	15	5	-	5	20
<b>c) Ornamental Plants</b>								
Propagation techniques of Ornamental Plants	1	15	-	15	5	-	5	20
<b>d) Plantation crops</b>								
<b>e) Tuber crops</b>								
<b>f) Spices</b>								
<b>Total</b>	<b>10</b>	<b>150</b>	<b>-</b>	<b>150</b>	<b>50</b>	<b>-</b>	<b>50</b>	<b>200</b>

<b>III Soil Health and Fertility Management</b>								
Soil fertility management	3	45	-	45	15	-	15	60
Production and use of organic inputs	2	30	-	30	10	-	10	40
Soil and Water Testing	1	15	-	15	5	-	5	20
<b>Total</b>	<b>6</b>	<b>90</b>	<b>-</b>	<b>90</b>	<b>30</b>	<b>-</b>	<b>30</b>	<b>120</b>
<b>IV Livestock Production and Management</b>								
Dairy Management	3	45	-	45	15	-	15	60
Disease Management	2	30	-	30	10	-	10	40
Feed management	2	30	-	30	10	-	10	40
<b>Total</b>	<b>7</b>	<b>105</b>	<b>-</b>	<b>105</b>	<b>35</b>	<b>-</b>	<b>35</b>	<b>140</b>
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1		15	15		5	5	20
Design and development of low/minimum cost diet	1		15	15		5	5	20
Designing and development for high nutrient efficiency diet	1		15	15		5	5	20
Minimization of nutrient loss in processing	1		15	15		5	5	20
Storage loss minimization techniques	1		15	15		5	5	20
Value addition	2		30	30		10	10	40
Income generation activities for empowerment of rural Women	1		15	15		5	5	20
Women and child care	1		15	15		5	5	20
<b>Total</b>	<b>9</b>		<b>135</b>	<b>135</b>		<b>45</b>	<b>45</b>	<b>180</b>
<b>VI Agril. Engineering</b>								
Repair and maintenance of farm machinery and implements	1	15	-	15	5	-	5	20
Resource conservation technologies	5	75	-	75	25	-	25	100
Water management	1	15	-	15	5	-	5	20
<b>Total</b>	<b>7</b>	<b>105</b>	<b>-</b>	<b>105</b>	<b>35</b>	<b>-</b>	<b>35</b>	<b>140</b>
<b>VII Plant Protection</b>								
<b>VIII Fisheries</b>								
<b>IX Production of Inputs at site</b>								
<b>Total</b>								
<b>X Capacity Building and Group Dynamics</b>								
Formation and Management of FPOs	2	30	-	30	10	-	10	40
<b>Total</b>	<b>2</b>	<b>30</b>	<b>-</b>	<b>30</b>	<b>10</b>	<b>-</b>	<b>10</b>	<b>40</b>

<b>XI Agro-forestry</b>								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL (I to XII)</b>	<b>50</b>	<b>615</b>	<b>135</b>	<b>750</b>	<b>205</b>	<b>45</b>	<b>250</b>	<b>1000</b>
<b>(B) RURAL YOUTH</b>								
Seed production [agro.2,horti.1]	3	45	-	45	15	-	15	60
Production of Natural / organic inputs	2	30	-	30	10	-	10	40
Repair and maintenance of farm machinery and implements	3	45	-	45	15	-	15	60
Resource conservation practices (Agril. Engg.)	2	30	-	30	10	-	10	40
Nursery Management of Horticulture crops	1	15	-	15	5	-	5	20
Tailoring and Stitching	1	-	15	15	-	5	5	20
Rural Crafts								
<b>TOTAL</b>	<b>12</b>	<b>165</b>	<b>15</b>	<b>180</b>	<b>55</b>	<b>5</b>	<b>60</b>	<b>240</b>
<b>TOTAL</b>								
<b>G. Total</b>	<b>62</b>	<b>780</b>	<b>150</b>	<b>930</b>	<b>260</b>	<b>50</b>	<b>310</b>	<b>1240</b>

**C) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1	15	-	15	5	-	5	20
Nursery management	1	15	-	15	5	-	5	20
Integrated Crop Management	8	120	-	120	40	-	40	160
Production of organic inputs	1	15	-	15	5	-	5	20
<b>Total (I)</b>	<b>11</b>	<b>165</b>	<b>-</b>	<b>165</b>	<b>55</b>	<b>-</b>	<b>55</b>	<b>220</b>
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	2	30	-	30	10	-	10	40
Off-season vegetables	1	15	-	15	5	-	5	20
Nursery raising	2	30	-	30	10	-	10	40
Exotic vegetables like Broccoli	1	15	-	15	5	-	5	20
<b>b) Fruits</b>								
Layout and Management of Orchards	2	30	-	30	10	-	10	40
Cultivation of Fruit	1	15	-	15	5	-	5	20
Micro irrigation systems of orchards								
Plant propagation techniques	2	30	-	30	10	-	10	40
<b>c) Ornamental Plants</b>								



Propagation techniques of Ornamental Plants	1	15	-	15	5	-	5	20
<b>d) Plantation crops</b>								
<b>e) Tuber crops</b>								
<b>f) Spices</b>								
<b>g) Medicinal and Aromatic Plants</b>								
<b>Total (II)</b>	<b>12</b>	<b>180</b>	<b>-</b>	<b>180</b>	<b>60</b>	<b>-</b>	<b>60</b>	<b>240</b>
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	5	75	-	75	25	-	25	100
Production and use of organic inputs	2	30	-	30	10	-	10	40
Soil and Water Testing	1	15	-	15	5	-	5	20
<b>Total (III)</b>	<b>8</b>	<b>120</b>	<b>-</b>	<b>120</b>	<b>40</b>	<b>-</b>	<b>40</b>	<b>160</b>
<b>IV Livestock Production and Management</b>								
Dairy Management	6	90	-	90	30	-	30	120
Disease Management	3	45	-	45	15	-	15	60
Feed management	3	45	-	45	15	-	15	60
<b>Total (IV)</b>	<b>12</b>	<b>180</b>	<b>-</b>	<b>180</b>	<b>60</b>	<b>-</b>	<b>60</b>	<b>240</b>
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1		15	15		5	5	20
Design and development of low/minimum cost diet	2		30	30		10	10	40
Designing and development for high nutrient efficiency diet	2		30	30		10	10	40
Minimization of nutrient loss in processing	1		15	15		5	5	20
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1		15	15		5	5	20
Value addition	2		30	30		10	10	40
Income generation activities for empowerment of rural Women	2		30	30		10	10	40
Women and child care	2		30	30		10	10	40
<b>Total(V)</b>	<b>13</b>		<b>195</b>	<b>195</b>		<b>65</b>	<b>65</b>	<b>260</b>
<b>VI Agril. Engineering</b>								
Repair and maintenance of farm machinery and implements	2	30	-	30	10	-	10	40
Resource conservation technologies	5	75	-	75	25	-	25	100
Water management	1	15	-	15	5	-	5	20
<b>Total (VI)</b>	<b>8</b>	<b>120</b>	<b>-</b>	<b>120</b>	<b>40</b>	<b>-</b>	<b>40</b>	<b>160</b>
<b>VII Plant Protection</b>								
<b>VIII Fisheries</b>								
<b>IX Production of Inputs at site</b>								

Vermi-compost production	1	15	-	15	5	-	5	20
<b>Total (IX)</b>	<b>1</b>	<b>15</b>	<b>-</b>	<b>15</b>	<b>5</b>	<b>-</b>	<b>5</b>	<b>20</b>
<b>X Capacity Building and Group Dynamics</b>								
Formation and Management of SHGs	2	30	-	30	10	-	10	40
Entrepreneurial development of farmers/youths	2	30	-	30	10	-	10	40
<b>Total (X)</b>	<b>4</b>	<b>60</b>	<b>-</b>	<b>60</b>	<b>20</b>	<b>-</b>	<b>20</b>	<b>80</b>
<b>XI Agro-forestry</b>								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL (I to XII)</b>	<b>69</b>	<b>705</b>	<b>330</b>	<b>1035</b>	<b>235</b>	<b>110</b>	<b>345</b>	<b>1380</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	1	15	-	15	5	-	5	20
Bee-keeping	<b>1</b>	<b>15</b>	<b>-</b>	<b>15</b>	<b>5</b>	<b>-</b>	<b>5</b>	<b>20</b>
Seed production [agro.2,horti.1]	3	45	-	45	15	-	15	60
Production of Natural / organic inputs	2	30	-	30	10	-	10	40
Commercial fruit/flower production	1	15	-	15	5	-	5	20
Repair and maintenance of farm machinery and implements	4	60	-	60	20	-	20	80
Resource conservation practices	2	30	-	30	10	-	10	40
Nursery Management of Horticulture crops	1	15	-	15	5	-	5	20
Dairying	2	30	-	30	10	-	10	40
Piggery	2	30	-	30	10	-	10	40
Fry and fingerling rearing								
Entrepreneurial development of rural youths	2	30	-	30	10	-	10	40
Tailoring and Stitching	1		15	15		5	5	20
Rural Crafts	1		15	15		5	5	20
<b>TOTAL</b>	<b>23</b>	<b>315</b>	<b>30</b>	<b>345</b>	<b>105</b>	<b>10</b>	<b>115</b>	<b>460</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	1	15	-	15	5	-	5	20
Integrated Pest Management	1	15	-	15	5	-	5	20
Integrated Nutrient management	1	15	-	15	5	-	5	20
Rejuvenation of old orchards	1	15	-	15	5	-	5	20
Protected cultivation tech (Ag. Engg)	1	15	-	15	5	-	5	20
Formation and Management of FPOs	1	15	-	15	5	-	5	20
Need based applicability of different machines in different field operations	1	15	-	15	5	-	5	20
Management in farm animals	1	15	-	15	5	-	5	20
Livestock feed and fodder production	1	15	-	15	5	-	5	20
Women and Child care	1		15	15		5	5	20

Low cost and nutrient efficient diet designing	1		15	15		5	5	20
Production and use of Natural / organic inputs	1	15	-	15	5	-	5	20
<b>Total</b>	<b>12</b>	<b>150</b>	<b>30</b>	<b>180</b>	<b>50</b>	<b>10</b>	<b>60</b>	<b>240</b>
<b>G. TOTAL</b>	<b>104</b>	<b>1170</b>	<b>390</b>	<b>1560</b>	<b>390</b>	<b>130</b>	<b>520</b>	<b>2080</b>

Details of training programmes attached in **Annexure -I**

### 3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	12	480	-	480	-	-	-	480	-	480
KisanMela	2	500	-	500	10	-	10	510	-	510
KisanGosthi	10	400	-	400	-	-	-	400	-	400
Exhibition	2	200	-	200	-	-	-	200	-	200
Film Show	10	300	-	300	-	-	-	300	-	300
Group meetings	8	120	-	120	-	-	-	120	-	120
Newspaper coverage	24	-	-	-	-	-	-	-	-	-
Radio talks	8	-	-	-	-	-	-	-	-	-
Popular articles	8	-	-	-	-	-	-	-	-	-
Extension Literature	2	2000	-	2000	-	-	-	2000	-	2000
<b>Advisory Services</b>	-	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	40	200	-	200	-	-	-	200	-	200
Farmers visit to KVK	100	400	-	400	-	-	-	400	-	400
Diagnostic visits										
Exposure visits	10	250	-	250	20	-	20	270	-	270
Soil health Camp	6	300	-	300	-	-	-	300	-	300
Animal Health Camp	2	100	-	100	-	-	-	-	-	-
MahilaMandals Conveners meetings	8	120	-	120	-	-	-	120	-	120
Pre Kharif workshop	1	100	-	100	-	-	-	100	-	100
Pre Rabi workshop	1	100	-	100	-	-	-	100	-	100

Any Other (SwachataAbhiyan )	12	180	60	240	-	-	-	180	60	240
PMFBY Sammelan	1	100	-	100	-	-	-	100	-	100
Soil Health Cards distribution	1	100	-	100	-	-	-	100	-	100
<b>Total</b>	<b>270</b>	<b>6050</b>	<b>60</b>	<b>6110</b>	<b>20</b>	<b>-</b>	<b>20</b>	<b>6070</b>	<b>60</b>	<b>6130</b>

### 3.5 Target for Production and supply of Technological products SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)	Distributed to the farmers (Nos.)
<b>CEREALS</b>				<b>CEREALS</b>
	Wheat	PBW – 550, HD-2967	156	
<b>OILSEEDS</b>				<b>OILSEEDS</b>
	Mustard	R.H-749,Giriraj	40	
<b>PULSES</b>				<b>PULSES</b>
	Pigeon pea	IPA-203, NDA-2	8	
<b>VEGETABLES</b>	-	-	-	<b>VEGETABLES</b>
<b>OTHERS (Specify)</b>	-	-	-	<b>OTHERS (Specify)</b>
	Total		204	

### PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Distributed to the farmers (Nos.)
<b>FRUITS</b>	Papaya	Red lady	1000	10
<b>SPICES</b>				
<b>VEGETABLES</b>	Tomato	Kashiamrit	2000	5
	Brinjal	Pant rituraj	2000	5
	Onion	Pusa red	15000	20
<b>FOREST</b>				

<b>SPECIES</b>				
<b>ORNAMENTAL CROPS</b>				
		<b>Total</b>	<b>20000</b>	<b>40</b>

### BIO-PRODUCTS

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>				

### LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
GOAT				
SHEEP				
<b>POULTRY</b>				
Pig farming	Piglets	MWYS	60	1 (10+2)
<b>FISHERIES</b>				

### 3.6 Literature to be Developed/Published

- (A) **KVK News Letter** :
- Date of start :
- Number of copies to be published :

### (B) Literature developed/published

S.No.	Topic	No.	Name of Journal/literature
1	Research paper by each scientist		
2	Technical reports		
3	News letters		
4	Training manual all discipline		
5	Popular article		
6	Extension literature	2000 no.	Folders
	<b>Total</b>	<b>2000</b>	

### (C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1			

**3.7. Success stories/Case studies identified for development as a case. (5 by each KVK)**

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
  - i) Social economic
  - ii) Bio-Physical
- f. Good Action Photographs

**3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers**

- a)
- b)
- c)

**Rural Youth**

- a)
- b)
- c)
- d)

**In-service personnel**

- a)
- b)
- c)

**3.9 Indicate the methodology for identifying OFTs/FLDs**

**For OFT :**

- i) PRA
- ii) Problem identified from Matrix
- iii) Field level observations
- iv) Farmer group discussions
- v) Others if any

**For FLD :**

- i) New variety/technology
- ii) Poor yield at farmers level
- iii) Existing cropping system
- iv) Others if any

**3.10 Field activities**

- i. Name of villages identified/adopted with block name (from which year) -
- ii. No. of farm families selected per village:

- iii. No. of survey/PRA conducted:
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

### 3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 2005 & Mini soil lab 2015

2. List of equipment purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Spectrophotometer	1	45000
2	Flame photometer	1	38000
3	pH meter	1	7300
4	Conductivity meter	1	8700
5	Shaker	1	50000
6	Oven	1	10000
7	Distillation unit	1	28000
8	Physical balance	1	10000
9	Chemical balance	1	83000
10	Water Distillation unit	1	6000
Total			286000

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	720	3000	20	-
Water	-	-	-	-
Plant				
<b>Total</b>	720	3000	20	-

## 4. LINKAGES

### 4.1 Functional linkage with different organizations

S.No.	Name of organization	Nature of Linkage
1.	State Ag. Dept	Training ,Gosthi , Farm School & Kisan Mela, Resource Person, SAC Member
2.	DHO	Training & demonstration, Gosthi, Resource Person, Expert, SAC Member
3.	FFDA	Training, SAC Member

4.	UPLDC	Training &Gosthi
5.	Kisan Vidyalaya	Training & demonstration
6.	AIR	Radio talk, SAC Member
7.	Door darshan	TV talk
8.	CVO, Allahabad	Training , SAC Member
9.	SHUATS	Training & demonstration, SAC Member, Technical Guidance
10.	NABARD	SAC Member, Training, Member of FPO meeting

#### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

S. No.	Programme	Nature of linkage
1	Goshthis, ,trainingsandFarmersScientist Interaction	Scientific and technical interaction
2	Farm Schools	Demonstration

#### 4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1		
2		

#### 4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		
2		

#### 5. Utilization of hostel facilities

S. No.	Programme	No. of days
January 2023	2	20
February 2023	2	20
March 2023	2	20
April 2023	2	20
May 2023	2	20
June 2023	2	20
July 2023	2	20
August 2023	2	20
September 2023	2	20
October 2023	2	20
November 2023	2	20



<b>December 2023</b>	<b>2</b>	<b>20</b>
	<b>Total</b>	<b>240</b>

**6. Convergence with departments:**

**7.1. Details of the programmes being implemented by your KVK in partnership with other institution**

<b>S. No.</b>	<b>Name of Programme</b>	<b>Main Institution (IARI, DBT, DST, UPCAR, etc.)</b>	<b>Duration</b>	<b>Budget (in lakh)</b>
<b>1</b>	<b>Direct Sowing of Rice (DSR)</b>	<b>UPCAR</b>	<b>2 Years</b>	<b>0.75 / yr</b>

**7.2. Brief achievements of above collaborative programmes**

<b>S. No.</b>	<b>Name of Programme</b>	<b>Salient achievement</b>	<b>Impact of the programme</b>
<b>1</b>			

**8. Achievements (Both Technical and physical) of sponsored programmes (As applicable to your KVK) during the reporting period (2021-22)**

<b>S. No.</b>	<b>Name of Programme</b>	<b>Detailed Technical Achievements</b>	<b>Physical (infrastructural achievement)</b>
<b>1</b>	<b>TSP Project</b>		
<b>2</b>	<b>ARYA Project</b>		
<b>3</b>	<b>CFLD-NFSM Project</b>		
	<b>i. Kharif season</b>	<b>Sesamum (10 ha), Pigeon Pea (10 ha)</b>	
	<b>ii. Rabi season</b>	<b>Chickpea-10ha, Lentil-10ha, Mustard 30 ha</b>	
	<b>iii. Summer season</b>		
<b>4</b>	<b>CSISA Project</b>		
<b>5</b>	<b>NICRA Project</b>		
<b>6</b>	<b>Soil Health Card</b>	<b>Distributed 809 cards</b>	
<b>7</b>	<b>Jal Shakti Abhiyan</b>	<b>Total participants -1938</b>	<b>Live demo of drip irrigation systems</b>
	<b>Total</b>		

**9. Feedback of the farmers about the technologies demonstrated and assessed:**

**10. Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:**

**Annexure - I**

## Training Programme

### i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
7-8/6/23	PF	Cultivation tech. of hybrid and scented rice.	2	15	-	15	5	-	5	20
9-10/11/23	PF	Cultivation tech. of timely & late sowing condition of wheat.	2	15	-	15	5	-	5	20
<b>Horticulture</b>										
6-7/4/23	PF	Propagation tech of important fruit plants	2	15	-	15	5	-	5	20
4-5/11/23	PF	Cucurbits cultivation by ploy culture tech	2	15	-	15	5	-	5	20
	PF									
	PF									
<b>Livestock prod.</b>										
9-10/1/23	PF	Broiler management	2	15	-	15	5	-	5	20
21-22/3/23	PF	Vaccination of cattle	2	15	-	15	5	-	5	20
8-9/5/23	PF	Clean milk production	2	15	-	15	5	-	5	20
12-13/9/23	PF	Care of newly born calves	2	15	-	15	5	-	5	20
6-7/11/23	PF	Preparation of balanced feed for pregnant animal	2	15	-	15	5	-	5	20
<b>Agril. Engg.</b>										
07-08/4/23	PF	Operation & maintenance of threshers for max efficiency	2	15	-	15	5	-	5	20
	PF									
	PF									
<b>Home Sc.</b>										
26-27/7/23	PF	Design and development of low/cost diet	2		15	15		5	5	20
21-22/9/23	PF	Income generation activities for empowerment of rural women	2		15	15		5	5	20
9-10/10/23	PF	Design and development of high nutrient efficient diet	2		15	15		5	5	20
16-17/11/23	PF	Women and child care	2		15	15		5	5	20

<b>Plan prot.</b>										
	PF									
	PF									
	PF									
<b>Fisheries</b>										
	PF									
	PF									
	PF									
	PF									
	PF									
<b>Soil Health</b>										
	PF									
<b>Agri Extension</b>										
19-20/1/23	PF	Entrepreneurial development of farmers	2	15	-	15	5	-	5	20
8-9/2/23	PF	Natural Farming	2	15	-	15	5	-	5	20
22-23/2/23	PF	Soil Fertility Management	2	15	-	15	5	-	5	20
3-4/8/23	PF	Entrepreneurial development of farmers	2	15	-	15	5	-	5	20
<b>Home Science</b>										
5-6/7/23	PF	Design and development of low /cost diets	2	-	15	15		5	5	20
19-20/9/23	PF	Income generation activities for empowerment of rural women	2	-	15	15		5	5	20
16-17/10/23	PF	Design and development of high nutrient efficient diets	2	-	15	15		5	5	20
21-22/11/23	PF	Women and children care	2	-	15	15		5	5	20

**i) Farmers & Farm women (Off Campus)**

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
9-10/2/23	PF	Cultivation tech of Urd&moong in summer	2	15	-	15	5	-	5	20
9-10/3/23	PF	Green manuring.	2	15	-	15	5	-	5	20
6-7/4/23	PF	Soil sampling & testing.	2	15	-	15	5	-	5	20
11-12/5/23	PF	Nursery raising tech. of paddy.	2	15	-	15	5	-	5	20

5-6/7/23	PF	Cultivation tech. of pigeon pea.	2	15	-	15	5	-	5	20
19-20/7/23	PF	Cultivation tech of jowar&bajra.	2	15	-	15	5	-	5	20
9-10/8/23	PF	Insect, Pest and disease management in paddy.	2	15	-	15	5	-	5	20
12-13/9/23	PF	Cultivation Technique of mustard.	2	15	-	15	5	-	5	20
18-19/10/23	PF	Nutrient management in field pea and chickpea.	2	15	-	15	5	-	5	20
7-8/12/23	PF	Weed management in wheat.	2	15	-	15	5	-	5	20
<b>Horticulture</b>										
4-5/5/23	PF	Propagation tech of ornamental plants	2	15	-	15	5	-	5	20
3-4/6/23	PF	Nursery raising tech of brinjal&tomato	2	15	-	15	5	-	5	20
6-7/7/23	PF	Nursery raising tech of Kharif season vegetables	2	15	-	15	5	-	5	20
3-4/8/23	PF	Cultivation tech of cauliflower & cabbage	2	15	-	15	5	-	5	20
19-20/8/23	PF	Cultivation tech of Onion & vegetable pea	2	15	-	15	5	-	5	20
5-6/10/23	PF	Cultivation tech of exotic vegetables	2	15	-	15	5	-	5	20
7-8/1/23	PF	Layout & management of orchard	2	15	-	15	5	-	5	20
4-5/2/23	PF	Propagation tech of important fruit plants	2	15	-	15	5	-	5	20
4-5/3/23	PF	Layout & management of mango, guava orchard	2	15	-	15	5	-	5	20
11-12/3/23	PF	Cultivation tech of main fruit plants	2	15	-	15	5	-	5	20
<b>Live Stock Production.</b>										
10-11/40/23	PF	Control of external parasite in small animals	2	15	-	15	5	-	5	20
17-18/7/23	PF	Parasite control in animals	2	15	-	15	5	-	5	20
10-11/8/23	PF	Swine production management	2	15	-	15	5	-	5	20
4-5/9/23	PF	Goat production management	2	15	-	15	5	-	5	20
17-18/10/23	PF	Poultry production management	2	15	-	15	5	-	5	20
6-7/11/23	PF	Round the year green fodder	2	15	-	15	5	-	5	20
4-5/12/23	PF	Enrichment of straw by urea treatment	2	15	-	15	5	-	5	20
<b>Agril. Engg.</b>										
5-6/5/23	PF	Resource based identification of	2	15	-	15	5	-	5	20

		machineries for procurement by farmers								
4-5/7/23	PF	Sowing of crops by different sowing equipment	2	15	-	15	5	-	5	20
09-10/7/23	PF	Efficient use of sprayers & dusters & its maintenance	2	15	-	15	5	-	5	20
6-7/8/23	PF	Different harvesting implements & machines & its use	2	15	-	15	5	-	5	20
11-12/11/23	PF	Soil & water conservation practices	2	15	-	15	5	-	5	20
16-17/11/23	PF	Selection of pump sets & its functioning for max efficiency	2	15	-	15	5	-	5	20
13-14/1/23	PF	Care & maint of different machines & implements	2	15	-	15	5	-	5	20
<b>Agri Extension</b>										
27-28/1/23	PF	Formation & management of SHGs	2	15	-	15	5	-	5	20
16-17/2/23	PF	Formation & management of SHGs	2	15	-	15	5	-	5	20
9-10/3/23	PF	Green manuring	2	15	-	15	5	-	5	20
12-14/4/23	PF	Use of Natural Farming inputs in Kharif Crops	2	15	-	15	5	-	5	20
5-6/5/23	PF	Production of Natural Farming / organic inputs and Its uses	2	15	-	15	5	-	5	20
9-10/6/23	PF	Vermi compost production & its uses	2	15	-	15	5	-	5	20
6-7/9/23	PF	Use of Natural Farming input in Rabi crops	2	15	-	15	5	-	5	20
<b>Home Science</b>										
8-9/3/23	PF	Household food security by kitchen gardening and nutrition gardening	2	-	15	15		5	5	20
5-6/4/23	PF	Design and development of low/minimum cost diet	2	-	15	15		5	5	20
9-10/2/23	PF	Design and development of high nutrient efficiency diet	2	-	15	15		5	5	20
3-4/8/23	PF	Minimization of nutrient loss in processing	2	-	15	15		5	5	20
21-22/8/23	PF	Storage loss minimization techniques	2	-	15	15		5	5	20
12-13/4/23	PF	Income generation activities for	2	-	15	15		5	5	20

		empowerment of rural women								
5-6/12/23	PF	Women and child care	2	-	15	15		5	5	20
5-6/1/23	PF	Value addition	2	-	15	15		5	5	20
18-19/1/23	PF	Value addition	2	-	15	15		5	5	20
<b>Plant Protection</b>										
	PF									
	PF									
	PF									
	PF									
<b>Fisheries</b>										
	PF									
	PF									
<b>Soil health</b>										
	PF									
	PF									

ii) Vocational training programs for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Off Campus											
Crop production	Seed production	Seed production of Pigeon pea.	18-20 May 2023	3	15	-	15	5	-	5	20
Crop production	Seed production	Seed production of wheat.	15-17 Nov. 2023	3	15	-	15	5	-	5	20
On Campus											
Horticulture	Employment generation	Mushroom production technique	14-18 Sept. 2023	5	15	-	15	5	-	5	20
Horticulture	Employment generation	Cultivation tech of marigold, gladiolus & tuberose for cut flower	13-15 Oct. 2023	3	15	-	15	5	-	5	20
Off campus											
Horticulture	Employment generation	Nursery management of Horticulture crops	14-16 Jul 23	3	15	-	15	5	-	5	20
Horticulture	Promotion of	Seed production tech of	21-	3	15	-	15	5	-	5	20

re	seed production	okra & radish	23Jul23									
<b>On Campus</b>												
Agricultural Engineering	Skill development	Primary & secondary tillage operations	8-10June 2023	3	15	-	15	5	-	5	20	
Agricultural Engineering	Employment generation	Harvesting of crops by different machines	13-15 April 2023	3	15	-	15	5	-	5	20	
Agricultural Engineering	Skill development	Conservation of soil moisture and irrigation water for crops	7-9 July 2023	3	15	-	15	5	-	5	20	
Agricultural Engineering	Employment generation	Maintenance of diesel engines and pump sets	5-7 Aug. 2023	3	15	-	15	5	-	5	20	
Agricultural Engineering	Employment generation	Repairs & maintenance sprayers and dusters	7-9Sep. 2023	3	15	-	15	5	-	5	20	
Agricultural Engineering	Employment generation	Repair & Maintenance of different threshers	3-5 March 2023	3	15	-	15	5	-	5	20	
<b>On Campus</b>												
Animal Science	Employment generation	Cattle production management	7-11feb-23	5	15	-	15	5	-	5	20	
Animal Science	Employment generation	Piggery training	19-23 Sep.-23	5	15	-	15	5	-	5	20	
Animal Science	Employment generation	Cattle production management	10-14 Dec.-23	3	15	-	15	5	-	5	20	
Animal Science	Employment generation	Piggery training	14-18 Mar-23	3	15	-	15	5	-	5	20	
Agricultural Extension	Entrepreneurship development	Entrepreneurship development of rural youth	14-16 March 2023	3	15	-	15	5	-	5	20	
Agricultural	Entrepreneurship development	Bee-keeping	14-16	5	15	-	15	5	-	5	20	

Extension			Sep 23								
Agricultural Extension	Entrepreneurship development	Entrepreneurship development of rural youth	19-23 Sep 23	3	15	-	15	5	-	5	20
<b>Off Campus</b>											
Agricultural Extension	Entrepreneurship development	Natural Farming Input production and its uses	13-15 July 23	3	15	-	15	5	-	5	20
Agricultural Extension	Entrepreneurship development	Vermi compost production and its uses	8-10 Aug.23	3	15	-	15	5	-	5	20
<b>On Campus</b>											
Home Science	Employment generation	Rural crafts	5-8/6/23	5		15	15		5	5	20
<b>Off Campus</b>											
Home Science	Employment generation	Value addition	11-13/1/23	5		15	15		5	5	20

### iii) Training programme for Extension Functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>On Campus</b>										
<b>Agronomy</b>										
18/8/23	EF	Integrated pest management in Kharif crops	1	15	-	15	5	-	5	20
05/10/23	EF	Productivity enhancement in rabi crops	1	15	-	15	5	-	5	20
<b>Horticulture</b>										
16/6/23	EF	Symptoms of nutritional deficiency in fruit plants & remedy	1	15	-	15	5	-	5	20
18/2/23	EF	Rejuvenation of old orchards	1	15	-	15	5	-	5	20
<b>Agricultural Engineering</b>										
17/8/23	EF	Need based applicability of	1	15	-	15	5	-	5	20





**DETAILS OF ACTION PLAN OF KVKs DURING 2023  
(1<sup>st</sup> January 2023 to 31<sup>st</sup> December 2023)**

**1. GENERAL INFORMATION ABOUT THE KVK**

**1.1. Name and address of KVK with phone, fax and e-mail**

Address	Telephone		E mail	Website
	Office	FAX		
BHU–KVK, RG South Campus, Barkachha, BHU, Mirzapur – 231001 (U.P.)	-	-	kvkbhu@gmail.com	www.mirzapur.kvk4.in

**1.2. a. Name and address of host organization with phone, fax and e-mail**

Address	Telephone		E mail	Website
	Office	FAX		
Institute of Agricultural Sciences, Banaras Hindu University, Varanasi-221 005	0542-2307100	0542-2368993	Director.ias.bhu@gmail.com	www.bhu.ac.in

**1.2.b.** Status of KVK website :Prepared, <http://www.mirzapur.kvk4.in>

**1.2.c.** No. of Visitors (Hits) to your KVK website (as on today) : N.A.


**1.2.d.** Status of ICT lab at your KVK : - Yes




**1.3. Name of the Head/Programme Coordinator with phone & mobile no.**

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Shree Ram Singh	-	9450232889	srsinghkvk@rediffmail.com

**1.4. Year of sanction: 1984**

1.5. Staff Position (as on 01<sup>st</sup> July, 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent/Temporary Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1.	Head	Dr. Shree Ram Singh	Programme Coordinator/ Professor	Agricultural Extension	188200	N/A in 7 <sup>th</sup> CPC	188200	24.11.2006	Permanent	09450232889	srsinghkvk@rediffmail.com	
2.	Scientist	Dr. G.P. Singh	SMS/ Professor	Livestock Production	218200	N/A in 7 <sup>th</sup> CPC	218200	07.05.1992	Permanent	09415290079	guruprasadbhu@gmail.com	
3.	Scientist	Dr. Sant Prasad	SMS/ Professor	Crop Production	211800	N/A in 7 <sup>th</sup> CPC	211800	31.05.1992	Permanent	09452247007	santprasad@gmail.com	
4.	Scientist	Dr. Jai P. Rai	SMS/Associate Professor	Plant Protection	110400	N/A in 7 <sup>th</sup> CPC	110400	04.11.2006	Permanent	09414816734	drjaiibhu@gmail.com	 DR. JAI PRAKASH RAI
5.	Scientist	Dr. S.K. Goyal	SMS/Assistant Professor	Agricultural Engineering	92600	N/A in 7 <sup>th</sup> CPC	92600	14.09.2010	Permanent	07376266565	sumil.svbp@gmail.com	
6.	Scientist	V		A			C		A	N		T
7.	Scientist	V		A			C		A	N		T

8.	Programme Assistant	Dr. S. N. Singh	Programme Assistant/Lab Technician	Soil Science	49000	N/A in 7 <sup>th</sup> CPC	49000	25.01.2011	Permanent	Others	09453791916	snsingh.agro@gmail.com	
9.	Programme Assistant	Mr.Pankaj Kumar	Programme Assistant (Computer)	Computer Science	55200	N/A in 7 <sup>th</sup> CPC	55200	12.09.2007	Permanent	Others	09838107806	kumarpankaj_2201@gmail.com	
10.	Stenographer	Shri Pankaj Singh	Stenographer	Computer Typing & Shorthand	36400	N/A in 7 <sup>th</sup> CPC	36400	24.01.2011	Permanent	Others	07379871955	pankajsngh245@gmail.com	
11.	Driver	Shri Rajesh Kumar Singh	Driver	Driver	31100	N/A in 7 <sup>th</sup> CPC	31100	20.01.2011	Permanent	OBC	09450101317		
12.	Supporting staff	V		A			C		A		N		T
13.	Farm Manager	V		A			C		A		N		T
14.	Assistant /Office Superintendent	V		A			C		A		N		T
15.	Driver	V		A			C		A		N		T
16.	Supporting staff	V		A			C		A		N		T

17.	Supporting staff	V	A	C	A	N	T
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**1.6. Total land with KVK (in ha) :**

S. No.	Item	Area (ha)
1	Under Buildings	2.00
2.	Under Demonstration Units	Nil
3.	Under Crops	12.00
4.	Horticulture	
5.	Pond	
6.	Others if any- Orchard / AgroForestry	6.00

**1.7. Infrastructural Development:**

**A) Buildings**

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	2007	598.94				
2.	Farmers Hostel	ICAR	2007	598.94				
3.	Staff Quarters (6)	ICAR	2007	267.28				
4.	Demonstration Units (2) Nursery	NHM	2009					
	NADEP and Vermicompost Demo Unit	BHU	2010					
5	Fencing	BHU (Barbed wire fencing)	2018					
6	Rain Water harvesting system							
7	Threshing floor							
8	Farm godown							
	Other							
9	Seed Processing Unit / Plant	DAC, MoA, GOI, New Delhi	2013		141.75	2011-12		
10.	Seed Processing Unit (Pulses)	MoA and FW, GOI, New Delhi with local monitoring of Directorate of Sugarcane Development, Lucknow	2018		150.00			
11.	Seed Processing Unit (Pulses)	MoA and FW, GOI, New Delhi with local monitoring of ICAR-DRMR, Bharatpur			150.00	2019		

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms.	Present status
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Four Wheeler	2018	7,81,323+99,519 towards insurance and registration	<b>Run</b> 106078	Working
Two Wheeler	1985	-	-	Broken Down

**C) Equipment & AV aids**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Seed Drill	2002	18000.00	Working
Knapsack Sprayer	2002	600.00	Working
Camera	1994	7000.00	Working
Slide Projector	1999	18000.00	Working
LCD Projector	2007	64935.00	Working
Laptop	2007	35000.00	Working
Kodo Processing Unit	2013	206779.00	Working
LED Television		24000.00	Working

**1.8. A). Details of SAC meetings to be conducted in the year**

Sl.No.	Date
1.	Saturday, 15.04.2023
2.	Saturday, 14.10.2023

**Proceedings of the latest SAC meeting (held on 15.03.2022)**

S. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	15.03.2022	Professor M.K. Singh, Agronomy, I.Ag.Sc., BHU, Varanasi	Suggested the use of bispyribac-sodium instead of 2,4-D and pendimethalin for weed control in rice crop	Shall be implemented as recommended practice in the upcoming programmes of the KVK
2.		Professor P.K. Singh, Genetics and Plant Breeding, I.Ag.Sc., BHU, Varanasi	Suggested the use of Rotavator for tillage and land preparation only in irrigated conditions	Shall be implemented as recommended practice in the upcoming programmes of the KVK
3.		Dr I.D.N. Chaturvedi Deputy Chief Veterinary Officer District Mirzapur	Underlined the need of awareness about use of sorted semen along with animal nutrition and management.	Shall be included in the upcoming awareness programmes
4.		Invited farmer members of the district	Suggested that emphasis be given on chemical-free agriculture including organic and Bhartiya Prakritik Krishi Paddhati (BPKP). The members underlined the usefulness of the Seed hub-	Shall be included in the upcoming programmes of the KVK

			Oilseeds and Pulses for the farmers of the district	
5.		Professor V.K. Mishra, Professor-Incharge, RG South Campus and Chairman of the Meeting	Suggested inclusion of the number of flowers/m <sup>2</sup> in the trials of chickpea. Also suggested that wheat variety HUW-669 and biofortified wheat variety HUW 711 be included in the trials/demonstrations.	Shall be included in the upcoming programmes of the KVK.

## 2. DETAILS OF DISTRICT

### 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1.	Agriculture + Animal Husbandry
2.	Agriculture + Animal Husbandry + Horticulture
3.	Agricultural Crops (Irrigated): Wheat, Paddy, Rainfed: Wheat, Gram, Bajra, Arahar, Paddy, Groundnut
4.	Horticultural Crops (Orchard): Mango, Guava, Ber, Citrus, Vegetables
5.	Animal Husbandary: Cow, Buffalo, Sheeps, Goats, Pigs

### 2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

#### a) Soil type

Sl. No.	Agro-climatic Zone	Characteristics
1.	Vindhyan Zone	Rocky red soil and rainfed conditions

#### b) Topography

S. No.	Agro ecological situation	Characteristics
1.	AES I	Hilly areas, covered with rocks, rainfed
2.	AES II	Mix (Hilly+Plain) zone areas, rainfed/irrigated
3.	AES III	Plain zone, irrigated

### 2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1.	Red Sandy Loam	Mostly covered with rocks, forest and bushes	
2.			
3.			
4.			

### 2.4. Area, Production and Productivity of major crops cultivated in the district (2014-15)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1.	Paddy	90318	996210	11.03
2.	Wheat*	98525	275293	27.94
3.	Barley*	4489	7208	16.05
4.	Jowar	3579	23060	6.44

\*2016-17

5.	Bajra	10871	94780	8.72
6.	Maize	2081	12030	5.78
7.	Rabi Maize*	10	28	28.02
8.	Kodon	787	3780	4.80
9.	Urd	863	3190	3.70
10.	Mung	159	430	2.70
11.	Lentil*	5097	4521	8.87
12.	Gram*	13382	15366	11.48
13.	Pea*	3866	4616	11.94
14.	Arhar*	1610	19591	12.17
15.	Mustard*	2519	1851	7.35
16.	Linseed*	4057	1943	4.79
17.	Til	1738	2560	1.47
18.	Groundnut	2927	31760	10.85
19.	Sunflower	2	40	20.00
20.	Sugarcane	1525	755730	495.56
21.	Potato	2046	316180	154.54
22.	Onion	295	-	-
23.	Other vegetables	5049	-	-
24.	Sunnhemp	96	180	1.88
25.	Rabi fodder	678	-	-
26.	Kharif Fodder	1066	-	-
27.	Zaid Fodder	67	-	-

Source: District Agriculture Department

## 2.5. Weather data (2022)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January 2022	0.2	Not available	Not available	N/A	Not available
February 2022	0.4	Not available	Not available	N/A	Not available
March 2022	0.0	Not available	Not available	N/A	Not available
April 2022	0.0	Not available	Not available	N/A	Not available
May 2022	0.2	Not available	Not available	N/A	Not available
June 2022	1.89	Not available	Not available	N/A	Not available
July 2022	122.3				
August 2022	4.1				
<b>Total</b>	<b>129.09</b>	Not available	Not available	N/A	Not available

## 2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	454720		
<i>Indigenous</i>	422158		
<b>Buffalo</b>	195126		
<b>Sheep</b>	83329		
<b>Goats</b>	154181		
<b>Pigs</b>			
<i>Crossbred</i>	4191		
<i>Indigenous</i>	18958		
<b>Rabbits</b>			
<b>Poultry</b>			
Hens	284032		
<i>Desi</i>	29071		
<b>Category</b>		Production (Q.)	Productivity

\*2016-17



Fish (Reservoir)	4292.82	920.22	0.2144
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\*Statistical Report

## 2.7 Details of Operational area / Villages

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Mirzapur	City	Barkachha Kalan	Paddy, bajra, sorghum, wheat, chickpea, mustard	Rainfed area, undulating land, low soil organic status	Integrated cropping system, varietal introduction, IPM
2.	Mirzapur	Seekhad	Khanpur	Paddy, jowar, bajra wheat, vegetables, cucurbits Cattle rearing	The village faces severe floods during rainy season. Apart from crops, there is also crisis for animal fodder	Soil and Water management, Varietal introduction and Raising productivity of milch animals
3.	Chunar	Narayanpur	Nakahara	Vegetables, groundnut, wheat, paddy Cattle rearing	No soil testing, Injudicious use of fertilizers, High intensity of weeds, Excessive use of pesticides in vegetable crops	IPM, INM and IWM
4.	Lalganj	Lalganj	BabhaniGaharwar	Paddy, jowar, til, urd, linseed, chickpea, wheat	Rainfed, Low productivity of crops	Varietal introduction and nutrient management
5.	Pahadi	Pahadi	Gaura Raja	Paddy, arhar, jowar, til, linseed, chickpea, wheat Karonda, Mahua Goat, sheep and cattle rearing	Rainfed, low fertility status, low soil depth, low crop productivity, pests and diseases	Varietal introduction, nutrient management, IPM
6.	Mirzapur	Chhanvey	Babura	Arhar, til, wheat, gram goat and sheep rearing	Use of old varieties and imbalanced fertilization, poor feeding of farm animals	Varietal introduction and nutrient management in crops, feed management of goat and sheep.

## 2.8 Priority thrust areas

S. No.	Thrust area
1.	Promotion of Dryland Agriculture/Resource Conservation
2.	Promotion of Oilseeds and Pulses
3.	Promotion of Dryland Fruits (Ber, Bael, Aonla, Karonda, Phalsa etc.)
4.	Promotion of High tech Kharif Vegetable Crops
5.	Use of Bio-fertilizers, IPM, INM and IWM
6.	Raising Productivity of milch/meat animals
7.	Entrepreneurship Development in Rural Youth/Farm Women

## 3. TECHNICAL PROGRAMME

### 3. A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
11	46	100	400

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
101	2000	392	3576

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
200	20000	-	2000

**3. B. Abstract of interventions to be undertaken:**

S.N.	Thrust area	Crop/Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1.	Promotion of Dryland Agriculture/Resource Conservation	Wheat	Low Productivity of wheat and losses in storage	Performance evaluation of super-bag for storage of grains in Vindhyan Zone	<ol style="list-style-type: none"> <li>Varietal demonstration of Karan Vandana (DBW 187)</li> <li>Varietal demonstration of Pusa Wheat 1621 (HI 1621)</li> </ol>	<ol style="list-style-type: none"> <li>Weed management in drylands</li> <li>Residue management after harvesting of wheat</li> <li>Advantages of crop diversification</li> <li>Bhartiya Prakritik Krishi Paddhati (BPKP)</li> <li>Supar bags for storage of grains to reduce losses</li> <li>Biodecomposition of Parali into organic manure</li> <li>Sprinkler irrigation in wheat</li> </ol>	<ol style="list-style-type: none"> <li>Crop varieties suitable for rainfed areas</li> <li>Use of Jeewamrit and Beejamrit in rainy season</li> </ol>	Field Day, Kisan Goshthi, Kisan Mela, Newspaper coverage	Provision of requisite critical inputs, viz. seeds and culture

2.	Promotion of Dryland Agriculture/Resource Conservation	Rice	Low productivity and low returns from rice crop	<ol style="list-style-type: none"> <li>1. Evaluation of combination of weedicides on rainfed rice in Vindhyan zone</li> <li>2. Management of False smut in rice</li> </ol>	Varietal demonstrations of HUR-917, HUR-1309, Sahbhagi, Shusk Samrat, HUBR4-3, HUBR10-9 and HUR-3022 varieties of rice	<ol style="list-style-type: none"> <li>1. Management of rice nursery</li> <li>2. INM in rainfed rice crop</li> <li>3. Supar bags for storage of grains to reduce losses</li> <li>4. IPM of stem borer in rice</li> <li>5. Conoweeder in SRI method of rice cultivation</li> <li>6. Nursery management of rice</li> </ol>	<ol style="list-style-type: none"> <li>1. Crop varieties suitable for rainfed areas</li> <li>2. IPM in Rice crop</li> <li>3. Use of Jeewamrit and Beejamrit in rainy season</li> </ol>	Field Day, Kisan Goshthi, Newspaper coverage	Seeds, machinery
3.	Promotion of oilseeds and pulses	Various	Low productivity and low returns from chickpea	Assessment of impact of nipping in chickpea on crop growth and returns	Integrated Management of chickpea wilt disease	<ol style="list-style-type: none"> <li>1. Seed Production of chickpea</li> <li>2. Supar bags for storage of grains to reduce losses</li> <li>3. Biodecomposition of Parali into organic manure</li> <li>4. Seed Production of Pigeonpea</li> <li>5. Seed production of Mungbean</li> </ol>	<ol style="list-style-type: none"> <li>1. Crop varieties suitable for rainfed areas</li> <li>2. Management of chickpea wilt</li> <li>3. Use of Jeewamrit and Beejamrit in rainy season</li> </ol>	Kisan Goshthi, Diagnostic visits, Advisory Services, Newspaper coverage	Seeds, Labour and pesticides

4.	Promotion of Dryland Fruits	Various	Reduced availability of water in summers for frequent irrigation of orchards		Varietal demonstration of papaya variety PusaNanha	<ol style="list-style-type: none"> <li>1. Repairing of training and pruning machinery</li> <li>2. Rejuvenation of old guava orchards</li> <li>3. Pruning of citrus orchards for reducing canker disease</li> <li>4. Drip irrigation systems for rainfed agriculture</li> </ol>	<ol style="list-style-type: none"> <li>1. Crop varieties suitable for rainfed areas</li> <li>2. Use of Jeewamrit and Beejamrit in rainy season</li> </ol>	Field Day, Kisan Goshthi, newspaper coverage	Seedlings of Papaya cv. PusaNanha
5.	Promotion of High tech Kharif Vegetable Crops/IPM/INM	Tomato and other vegetable crops	Low productivity and low profits from tomato		<ol style="list-style-type: none"> <li>1. Varietal demonstration of tomato cv. Kashi Adarsh</li> <li>2. IDM of ToLCV</li> </ol>	<ol style="list-style-type: none"> <li>1. Trichoderma Production at farmers fields</li> <li>2. Management of damping off in vegetable nurseries</li> <li>3. Biodecomposition of Parali into organic manure</li> <li>4. IDM of damping-off of vegetable seedlings</li> <li>5. Grading and Standardization of potato for better marketability</li> <li>6. Drip irrigation systems for rainfed agriculture</li> </ol>	<ol style="list-style-type: none"> <li>1. Crop varieties suitable for rainfed areas</li> <li>2. Use of Jeewamrit and Beejamrit in rainy season</li> </ol>	Field Day, Kisan Goshthi, Newspaper coverage	Seeds, fertilizers, manure and pesticides

6.	Promotion of Dryland Fruits	Banana	High labour cost for intercultural operations in banana plantations	Use of power tiller in banana cultivation for intercultural operations and weeding		1. Biodecomposition of Parali into organic manure 2. Drip irrigation systems for rainfed agriculture	1. Crop varieties suitable for rainfed areas 2. Use of Jeewamrit and Beejamrit in rainy season	Field Day, Kisan Goshthi, newspaper coverage	Provision of power tillers on hiring basis
7.	Use of Bio-fertilizers, IPM, INM and IWM	Pea and other vegetables	Low productivity of pea in Vindhyan zone		IDM of Powdery mildew in pea	1. Management of damping off in vegetable nurseries 2. Biodecomposition of Parali into organic manure 3. Trichoderma production at farmers' fields	1. Crop varieties suitable for rainfed areas 2. Use of Jeewamrit and Beejamrit in rainy season	Field Day, Kisan Goshthi, newspaper coverage	Seeds, pesticides
8.	Promotion of Oilseeds	Mustard	Low productivity of mustard in the region	Ecofriendly Management of Mustard Aphid	Effect of sulphur on yield performance of mustard	1. IPM of mustard aphid 2. Seed Production of Mustard 3. Biodecomposition of Parali into organic manure 4. Mustard-Maximum returns in minimum resources	1. Crop varieties suitable for rainfed areas 2. Use of Jeewamrit and Beejamrit in rainy season 3. IPM of mustard aphid	Field Day, Kisan Goshthi, Newspaper coverage, Radio talk	Seeds, sulphur

9.	Raising Productivity of milch/meat animals	Milch animals	Low productivity and poor nutrition of milch animals in the region	<ol style="list-style-type: none"> <li>1. Urea Molasses Mineral Blocks for Animal Nutrition</li> <li>2. Urea treatment of paddy straw for improved animal nutrition</li> </ol>	<ol style="list-style-type: none"> <li>1. Management of milch animals in summers</li> <li>2. Vaccination of farm animals</li> <li>3. Urea molasses mineral blocks for better animal nutrition</li> <li>4. Management of milch cows during rainy and winter season</li> <li>5. Backyard poultry for income enhancement</li> </ol>	<ol style="list-style-type: none"> <li>1. Winter care of Farm animals</li> <li>2. UMMB for better animal nutrition</li> <li>3. Production of UMMB for mineral nutrition of farm animals</li> </ol>	Field Day, Kisan Goshthi, Radio talk, newspaper coverage	UMMB, Urea
10.	Entrepreneurship Development in Rural Youth/Farm Women	Entrepreneurship	Lack of Entrepreneurship among rural people	Assessing effect of Group Formation on Social Capital and livelihoods	<ol style="list-style-type: none"> <li>1. Processing of locally available produce</li> <li>2. Formation and Management of FPOs</li> </ol>	<ol style="list-style-type: none"> <li>1. Formation and Management of Farmer Producer Organizations (FPOs)</li> <li>2. Use of social media platforms for sharing agricultural information</li> </ol>	Field Day, Kisan Goshthi, Newspaper coverage	Technical support



11.	Promotion of Dryland Agriculture/Resource Conservation	Various	Widespread malnutrition among rural people	Enhancing household food security through nutritional garden		<ol style="list-style-type: none"> <li>1. Nutrition Garden for household nutritional security</li> <li>2. Operation and maintenance of rotavator</li> <li>3. Management of damping off in vegetable nurseries</li> <li>4. Trichoderma production at farmers' fields</li> <li>5. Biodecomposition of Parali into organic manure</li> <li>6. IDM of damping-off of vegetable seedlings</li> <li>7. Backyard poultry for income enhancement</li> </ol>	<ol style="list-style-type: none"> <li>1. Crop varieties suitable for rainfed areas</li> <li>2. Use of Jeewamrit and Beejamrit in rainy season</li> <li>3. Kitchen Gardening for household food security</li> </ol>	Field Day, Kisan Goshthi, Newspaper coverage, Film Show	Seed/Planting material
12.	Promotion of Dryland Agriculture/Resource Conservation	Various	Widespread malnutrition among rural people	To assess the performance of Back Yard Poultry Farming in traditional system of farming		<ol style="list-style-type: none"> <li>1. Backyard poultry for better profits and protein nutrition</li> <li>2. Backyard poultry for income enhancement</li> </ol>	<ol style="list-style-type: none"> <li>1. UMMB for Mineral Nutrition of farm animals</li> </ol>	Field Day, Kisan Goshthi, Newspaper coverage	chicks

13.	Promotion of Dryland Agriculture/Resource Conservation	Various	Losses owing to improper postharvest handling of agricultural produce	Performance evaluation of super-bag for storage of grains in Vindhyan Zone		<ol style="list-style-type: none"> <li>1. Ketchup and Chutney from tomato</li> <li>2. Processing of aonla and karonda</li> <li>3. Small scale processing of vegetables and fruits</li> <li>4. Postharvest processing of Bael</li> <li>5. Value addition in Aonla</li> </ol>	<ol style="list-style-type: none"> <li>1. Crop varieties suitable for rainfed areas</li> <li>2. Use of Jeewamrit and Beejamrit in rainy season</li> </ol>	Field Day, Kisan Goshthi, Newspaper coverage, Exhibition	Technical input
14.	Promotion of Vegetable crops	Bottle gourd	Low productivity of bottlegourd in the region		<ol style="list-style-type: none"> <li>1. Varietal demonstration of Kashi Kirti (VRBOG-63-02)</li> </ol>	<ol style="list-style-type: none"> <li>1. Management of damping off in vegetable nurseries</li> <li>2. Trichoderma production at farmers' fields</li> </ol>	<ol style="list-style-type: none"> <li>1. Crop varieties suitable for rainfed areas</li> <li>2. Use of Jeewamrit and Beejamrit in rainy season</li> </ol>	Field Day, Kisan Goshthi, Newspaper coverage, Exhibition	Seeds, seedlings
15.	Promotion of dryland agriculture	Bajra	Low productivity of existing varieties of bajra in the region		Varietal demonstration of bajra cv. MH 2228 and 86M89 (MH 1747)		<ol style="list-style-type: none"> <li>1. Crop varieties suitable for rainfed areas</li> <li>2. Use of Jeewamrit and Beejamrit in rainy season</li> </ol>	Field Day, Kisan Goshthi, Newspaper coverage	Seeds, technical guidance

16.	Entrepreneurship development in rural youth/farm women	Onion	Lower productivity and returns from onion crop		1. Varietal demonstration of Pusa Red variety of Onion	1. Management of damping off in vegetable nurseries 2. Trichoderma production at farmers' fields 3. Yearlong mushroom production	1. Crop varieties suitable for rainfed areas 2. Use of Jeewamrit and Beejamrit in rainy season	Field Day, Kisan Goshthi, Newspaper coverage	Seeds/planting material
17.	Promotion of dryland agriculture	Maize	Low productivity and reduced profits from existing varieties of maize in the region		1. Varietal demo of Pusa Vivek and JH 13347 PMH 12 2. Drudgery Reduction through Hand operated maize sheller	Handheld maize sheller for drudgery reduction	1. Crop varieties suitable for rainfed areas 2. Use of Jeewamrit and Beejamrit in rainy season	Field Day, Kisan Goshthi, Newspaper coverage	Seeds, technical guidance
18.	Promotion of dryland agriculture	Barley	Low productivity of existing varieties of barley in the region and poor nutrient management		Varietal demonstration of Narendra Barley 1445 (NBD-1445) and. Mahamana 113 (HUB-113)		1. Crop varieties suitable for rainfed areas 2. Use of Jeewamrit and Beejamrit in rainy season	Field Day, Kisan Goshthi, Newspaper coverage	Seeds, technical guidance

19.	Resource Conservation/Drudger y Reduction	Various	Manual decortication of groundnut is labour intensive and time consuming		Planting of groundnut by groundnut planter and Decortication of groundnut by groundnut decorticator	1. Drip irrigation systems for rainfed agriculture 2. Handheld maize sheller for drudgery reduction	1. Crop varieties suitable for rainfed areas 2. Use of Jeewamrit and Beejamrit in rainy season	Kisan Goshthi, Newspaper coverage	Groundnut planter, Groundnut decorticator
20.	Integrated pest and disease management	Various	Higher losses from diseases and pests in crops	Management of False smut in rice	1. IDM of bacterial leaf blight disease of rice 2. IDM of sheath rot disease 3. IDM of blast disease 4. Integrated Management of chickpea wilt disease 5. IPM of aphid in lentil 6. IDM of ToCLV disease 7. IDM of YVMV disease	1. IPM of phyllody in sesame (til) crop 2. Management of damping-off of tomato in nursery 3. Use of NPV and BT to manage gram pod borer 4. Production of Trichoderma at farmers field 5. Trichoderma production at farmers' fields	1. Crop varieties suitable for rainfed areas 2. Use of Jeewamrit and Beejamrit in rainy season	Kisan Goshthi, Diagnostic visits, Advisory Services, Newspaper coverage	Seeds, Soil testing facilities, chemical pesticides

### 3.1 Technologies to be assessed and refined

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Weed Management	1									01
Integrated Crop Management			1							01
Farm machineries	1					1				02
Value addition										
Integrated Pest Management		1								01
Integrated Disease Management	1									01
<b>TOTAL</b>	<b>03</b>	<b>01</b>	<b>01</b>							<b>05</b>

#### A.2. Abstract on the number of technologies to be refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
<b>TOTAL</b>										

#### A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Vermi culture	Fisheries	TOTAL
Nutrition Management	1							01
Feed and Fodder		1						01
<b>TOTAL</b>	<b>01</b>	<b>01</b>						<b>02</b>

#### A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
<b>TOTAL</b>								

## B. DETAILS OF ON FARM TRIAL

### OFT-1:

- |  |  |
|--|--|
| 1. Title   | <b>Evaluation of combination of weedicides on rainfed rice in Vindhyan zone</b>  |
| 2. Problem diagnosed                             | Weeds are a big problem in rainfed rice and to control them manually, labour cost is very high.  |
| 3. Micro Farming Situation                       | Rainfed/Sandy loam   |
| 4. Details of Technology identified for solution | <b>T<sub>1</sub>: Farmers Practice :</b> Manual weeding<br><b>T<sub>2</sub>:</b> Use of Pendimethalin (@1kg a.i./ha) and 2,4-D (@0.6kg/ha)   |
| 5. No. of Farmers                                | 04 (Four)  |
| 6. Replication                                   | 04 (Four)  |
| 7. Critical inputs                               | Provision of requisite chemicals   |
| 8. Production System                             | rice-wheat   |
| 9. Source of Technology                          | Central Rice Research Institute, Cuttack   |
| 10. Total Cost                                   | Rs. 2100.00  |
| 11. Observation                                  | (a) <b>Technical:</b> Number of weeds/m <sup>2</sup><br>(b) <b>Economic:</b> Cost of cultivation, Yield of crop, B:C Ratio<br>(c) <b>Social:</b> Motivation of the farmers to adopt the tested technology for weed control in rice |

### OFT-2:

- |                      |   |
|----------------------|---|
| 1. Title             | <b>Assessment of impact of nipping in chickpea on crop growth and returns</b> |
| 2. Problem diagnosed | Restricted branching and growth of chickpea                                   |

3. <b>Micro Farming Situation</b>	Rainfed, sandy loam
4. <b>Details of Technology identified for solution</b>	<b>T<sub>1</sub>: Farmer Practice</b> No nipping <b>T<sub>2</sub>:</b> One nipping at 30DAS manually
5. <b>No. of Farmers</b>	04 (Four)
6. <b>Replication</b>	04 (Four)
7. <b>Critical inputs</b>	Labour for nipping
8. <b>Production System</b>	Bajra-chickpea
9. <b>Source of Technology</b>	Indian Institute of Pulses Research (IIPR), Kanpur
10. <b>Total Cost</b>	Rs. 5000.00
11. <b>Observation</b>	(a) <b>Technical:</b> Number of branches/plant, No. of flowers/plant, no. of pods/plant, (b) <b>Economic:</b> Cost of cultivation (Rs./ha), yield (q/ha), B:C Ratio (c) <b>Social:</b> Motivation of farmers for adoption of the technology

**OFT-3:**

1. <b>Title</b>	<b>Management of False smut in rice</b>
2. <b>Problem diagnosed</b>	False smut is a constraint in rice cultivation causing heavy losses to the farmers of the district
3. <b>Micro Farming Situation</b>	Rainfed/Sandy loam
4. <b>Details of Technology identified for solution</b>	<b>T<sub>1</sub>: Farmers Practice:</b> Injudicious use of chemicals (usually Mancozeb @ 0.5%) after appearance of smut <b>T<sub>2</sub>:</b> Seed treatment with carbendazim 2.0g/kg of seeds + At tillering and preflowering stages, spray of Hexaconazole @ 1ml/lit or Chlorothalonil 2g/litre +Spraying of copper oxychloride at 2.5 g/litre or Propiconazole at 1.0 ml/litre at boot leaf and milky stages
5. <b>No. of Farmers</b>	04 (Four)
6. <b>Replication</b>	04 (Four)
7. <b>Critical inputs</b>	Provision of requisite chemicals, i.e.carbendazim, Hexaconazole/ Chlorothalonil, copper oxychloride/ Propiconazole
8. <b>Production System</b>	Rice-wheat
9. <b>Source of Technology</b>	TNAU <a href="http://www.agritech.tnau.ac.in/expert_system/paddy/cpdisfalsegraindis.html">http://www.agritech.tnau.ac.in/expert_system/paddy/cpdisfalsegraindis.html</a>
10. <b>Total Cost</b>	Rs.4800.00
11. <b>Observation</b>	(a) <b>Technical:</b> Number of smut balls/plant (Disease severity), No. of intact grains/panicle (b) <b>Economic:</b> Yield/ha, B:C Ratio (c) <b>Social:</b> Motivation of the farmers to adopt the tested technology for management of rice false smut

**OFT-4:**

1. <b>Title</b>	<b>EcofriendlyManagement of Mustard Aphid</b>
2. <b>Problem diagnosed</b>	Heavy losses are caused by aphid in mustard crop
3. <b>Micro Farming Situation</b>	Rainfed, sandy loam
4. <b>Details of Technology identified for solution</b>	<b>T<sub>1</sub>: Farmer Practice :</b> Injudicious use of neonicotinoids for controlling mustard aphid. <b>T<sub>2</sub>:</b> Foliar spray with NSKE @ 5% or neem oil @2% for the management of mustard aphid as an alternative to chemical control
5. <b>No. of Farmers</b>	04 (Four)
6. <b>Replication</b>	04 (Four)
7. <b>Critical inputs</b>	Neem products
8. <b>Production System</b>	Bajra-Mustard
9. <b>Source of Technology</b>	DRMR, Bharatpur
10. <b>Total Cost</b>	Rs.5000.00
11. <b>Observation</b>	(a) <b>Technical:</b> Number of infested branches/plant (Aphid severity), Number of intact pods/plant (b) <b>Economic:</b> Cost of cultivation (Rs./ha), Seed yield (q/ha), B:C Ratio (c) <b>Social:</b> Motivation of farmers for adoption of the technology

**OFT-5:**

1. <b>Title</b>	<b>Use of power tiller in banana cultivation for intercultural operations and weeding</b>
2. <b>Problem diagnosed</b>	Injudicious / traditional use of manual methods for intercultural operations which are labour & cost intensive with low output

3. <b>Micro Farming Situation</b>	Rainfed/Sandy loam
4. <b>Details of Technology identified for solution</b>	<b>T<sub>1</sub>: Farmers Practice :</b> Weeding with spade and showel <b>T<sub>2</sub>:</b> Use of power tiller for intercultural operations and weeding
5. <b>No. of Farmers</b>	04 (Four)
6. <b>Replication</b>	04 (Four)
7. <b>Critical inputs</b>	Provision of requisite implements, i.e. power tiller (Hiring basis)
8. <b>Production System</b>	Banana- vegetables and other crops
9. <b>Source of Technology</b>	CIAE, Bhopal (M.P.)
10. <b>Total Cost</b>	Rs. 9500.00
11. <b>Observation</b>	(a) <b>Technical:</b> No. of weeds & extra suckers remaining/m <sup>2</sup> area, depth of tilled soil, area covered per hour (b) <b>Economic:</b> Cost of operation/ha, yield/ha, B:C Ratio (c) <b>Social:</b> Motivation of the farmers to adopt the tested technology for weeding and intercultural operations in banana cultivation

**OFT-6:**

1. <b>Title</b>	<b>Performance evaluation of super-bag for storage of grains in Vindhyan Zone</b>
2. <b>Problem diagnosed</b>	Storage losses due to infestation of stored grain insects and pests
3. <b>Micro Farming Situation</b>	Rainfed /sandy loam soil
4. <b>Details of Technology identified for solution</b>	<b>T<sub>1</sub>: Farmer Practice :</b> Storage in gunny bags <b>T<sub>2</sub>:</b> Storage in Super-bags
5. <b>No. of Farmers</b>	04 (Four)
6. <b>Replication</b>	04 (Four)
7. <b>Critical inputs</b>	Super- bags (10 bags / each farmer)
8. <b>Production System</b>	Paddy-Wheat (Dryland)
9. <b>Source of Technology</b>	IRRI-SARC, Varanasi
10. <b>Total Cost</b>	Rs. 9500.00
10. <b>Observation</b>	(a) <b>Technical:</b> No. of insects/pests per bag, moisture (% wb) (b) <b>Economic:</b> Cost of safe and hygienic storage/t. (c) <b>Social:</b> Motivation of farmers for using super-bags

**OFT-7:**

<b>Name of technology</b>	: <b>Urea Molasses Mineral Blocks for Animal Nutrition</b>
<b>Micro farming/social situation</b>	: People rely solely on dry fodder for their livestock in the summer months of rainfed Vindhyan Zone
<b>Problem</b>	: Unavailability of green fodder in the summer months of rainfed Vindhyan Zone
<b>Potential solution</b>	: Urea Molasses Mineral Blocks for proper animal nutrition in unavailability of green fodder
<b>Nature of intervention</b>	: On-Farm Trial
<b>Source of technology</b>	: ICAR-Indian Veterinary Research Institute, Izatnagar, Bareilly
<b>Possible solution to be compared</b>	: <b>T-1: Farmers Practice: No green fodder in summer, no mineral mixture to lactating milch animals.</b> <b>T-2:</b> Urea Molasses Mineral Blocks for proper animal nutrition
<b>Replication</b>	: Four (4)
<b>Critical inputs</b>	: Urea Molasses Mineral Blocks
<b>Total Cost</b>	: Rs. 5000.00
<b>Performance of parameters</b>	: Based on data collected for every three months through village survey and compared with control or Farmers Practice (T <sub>1</sub> ) data to reach conclusions.
<b>(a) Technical observation</b>	: <ul style="list-style-type: none"> <li>• Body weight of animal</li> <li>• Milk production by the animal</li> <li>• Overall health of the animal</li> </ul>
<b>(b)Economic indicators</b>	: <ul style="list-style-type: none"> <li>• Milk production by the animal</li> <li>• Profit from sale of milk and cost of UMMB</li> <li>• B:C Ratio</li> </ul>
<b>(c) Social</b>	: <ul style="list-style-type: none"> <li>• Farmers' and farm women's reactions.</li> <li>• Motivation for adoption of the technology</li> </ul>

**OFT-8:**

<b>Name of technology</b>	: <b>Urea treatment of paddy straw for improved animal nutrition</b>
<b>Micro farming/social situation</b>	: Farmers use untreated paddy straw as fodder for their livestock
<b>Problem</b>	: Improper animal nutrition through use of untreated paddy straw as fodder
<b>Potential solution</b>	: Urea treatment of paddy straw
<b>Nature of intervention</b>	: On-Farm Trial
<b>Source of technology</b>	: National Dairy Research Institute, Karnal (Haryana)
<b>Possible solution to be compared</b>	: <b>T-1: Farmers Practice: Use of untreated paddy straw as fodder for farm animals.</b> <b>T-2:Urea Treatment of paddy straw</b>
<b>Replication</b>	: Four (4)
<b>Critical inputs</b>	: Urea, Polythene sheet
<b>Total Cost</b>	: Rs.4000.00
<b>Performance of parameters</b>	: Based on data collected periodically through village survey and compared with data of Farmers Practice (T <sub>1</sub> )to reach conclusions.
<b>(a) Technical observation</b>	: <ul style="list-style-type: none"> <li>• Body weight of animal</li> <li>• Milk production by animal</li> <li>• Overall health of animal</li> </ul>
<b>(b)Economic indicators</b>	: <ul style="list-style-type: none"> <li>• Cost of Urea treatment</li> <li>• Profit from sale of milk</li> <li>• B:C Ratio</li> </ul>
<b>(c) Social</b>	: <ul style="list-style-type: none"> <li>• Farmers' and farm women's reactions</li> <li>• Motivation for adoption of the technology</li> </ul>

#### OFT-9:

<b>Name of technology</b>	: <b>Assessing effect of Group Formation on Social Capital and livelihoods</b>
<b>Micro farming/social situation</b>	: Individual efforts pay average dividends. Spirit of group activity lacking among rural population
<b>Problem</b>	: Low farm income and poor avenues for farm women and youth
<b>Potential solution</b>	: Building social capital through group formation
<b>Nature of intervention</b>	: On-Farm Trial
<b>Source of technology</b>	: A resource book for KVKs published by Zonal Project Directorate, Zone -III
<b>Possible solution to be compared</b>	: <b>T-1: SHG with 20 farmers focusing on group farming.</b> <b>T-2: SHG with 20 farm women focusing on saving and income generation.</b> <b>T-3: Farmers Interest Group (FIG) with 15 farmers which are product focused</b> <b>T-4: Farmers Interest Group( FIG) with 15 farm women which are enterprise focused</b>
<b>Plot Size</b>	: Total OFT will cover 200 SHGs and 150 FIG members
<b>Replication</b>	: Five (5)
<b>Critical inputs</b>	: Establishment of SHGs and Farmers Interest Groups if not available/existing in the locations.
<b>Cost of each intervention</b>	: Rs. 2000.00
<b>Total Cost</b>	: Rs. 10000.00
<b>Performance of parameters</b>	: Based on data collected for every three months through village survey and compared with previous data to reach conclusions.
<b>(a) Technical observation</b>	: <ul style="list-style-type: none"> <li>• Build-up of group spirit,</li> <li>• Spread of self-help message.</li> <li>• Dynamic of group formed.</li> <li>• Build - up of social capital.</li> <li>• Increase in saving habit</li> <li>• Initiation of group farming.</li> </ul>
<b>(b)Economic indicators</b>	: <ul style="list-style-type: none"> <li>• Out flow of extra income to family saving.</li> <li>• Better health and education for children from extra saving.</li> <li>• Increase in cooperative effects</li> <li>• Spirit of entrepreneurship</li> </ul>



	<ul style="list-style-type: none"> <li>• Reduction in farming coasts due to group farming</li> <li>• Build-up of farm assets from extra income</li> <li>• Development of better marketing model for rural products through FIGs</li> <li>• Culture of hard work among youth and</li> <li>• Better status of women in villages due to income from SHG and FIG activities.</li> </ul>
(c) Social	: <ul style="list-style-type: none"> <li>• Farmers' and farm women's reactions.</li> </ul>

**OFT-10:**

**Crop/Enterprise**

**Title**

**Problem diagnosed**

**Farming situation**

**Thematic area**

**Farmer's Practice**

**Possible solutions to be compared**

**Treatment 1**

**No. of farmers**

**Plot Size**

**Critical Input**

**Performance indicators**

**Observations to be recorded**

**Cost of each intervention**

**Total cost on OFT**

**Seasonwise fruits and vegetables:**

**Kharif:** Lauki, Torai, Kheera, Kashifal, Karela, etc grown on Machan. Chaulai, chilli, tomato, podina, bhindi, guar, lobia, adrak

**Rabi:** *Leafy:* palak, methi, dhania, soya, rai, *Pulses:* pea, French bean, bakla, root: radish, carrot, turnip, beat root others: tomato, potato, chilli, garlic, onion

**Zaid:** podina, bhindi, gwar, choli, radish, tinda, kheera, lauki, torai, brinjal chilli, tomato, lobia, arbi

**Fruits:** lemon, papaya, guava, karonda, banana

**Medicinal:** Tulsi

**Nutritional Garden**

**Enhancing household food security through nutritional garden**

Malnutrition

Irrigated

Household food security

Growing some leafy vegetables and cucurbits

Growing seasonal vegetables and fruits

05

100 m<sup>2</sup>×5

Seed and saplings etc.

- Season wise availability of fruits and vegetables
- Improvement of general health
- Saving of monthly income
- Economics
- Season wise Yield
- Improvement in food behaviour viz. leafy vegetables, salad, green vegetables
- Saving in monthly house hold expenditure
- B:C ratio

Rs. 2000/-

Rs.2000×5 = Rs. 10,000/-

**OFT-11:**

<b>Name of technology</b>	:	<b>To assess the performance of Back Yard Poultry Farming in traditional system of farming</b>
<b>Micro farming situation</b>	:	Irrigated clay loam and clay soil
<b>Problem</b>	:	High disease incidence, high feed cost and required better management. which is not so feasible to poor small farmers and land less labourers. No specific breeds of dual (meat and egg) type breeds of poultry in area
<b>Potential solution</b>	:	Introduction of dual type poultry bird Karaknath CARI Shyama/Nirbheek in back yard poultry system.
<b>Nature of intervention</b>	:	On-Farm Trial
<b>Source of technology</b>	:	Central Avian Research Institute, Izzatnagar, Bareilly, U.P.
<b>Possible solution to be compared</b>	:	<b>FP-</b> Farmers practices: Rear Broiler on well managed housing system, required hygienic condition along with costly industrial made feed. <b>T1-</b> Rearing breed Karaknath, , CARI shyama/Nirbheek in Back Yard Poultry Farming System with locally available feed ingredients prepared feed- by wheat grain, yellow maize, Rice bran, till cake, fishmeal Calcium grit etc.

<b>Plot Size</b>	:	100 Poultry birds.
<b>Replication</b>	:	05 (Five)
<b>Critical inputs</b>	:	Chicks
<b>Cost of each intervention</b>	:	Rs. 2000.00
<b>Total Cost</b>	:	Rs. 16000.00
<b>Performance of parameters</b>	:	
<b>(a) Technical observation</b>	:	<ul style="list-style-type: none"> <li>• Growth rate(weight gain ratio)</li> <li>• Egg and meat production</li> <li>• Feed cost</li> <li>• Occurrence of diseases</li> </ul>
<b>(b)Economic indicators</b>	:	<ul style="list-style-type: none"> <li>• Additional cost of input (Rs./ha.)</li> <li>• C:B Ratio</li> </ul>
<b>(c) Social</b>	:	<ul style="list-style-type: none"> <li>• Feasibility/ Acceptability of technology.</li> </ul>

### 3.2 FRONTLINE DEMONSTRATIONS

#### A. Details of FLDs to be organized:

SI No.	Crop	Variety	Thematic Area	Technology for Demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demonstration	Parameters identified
<b>Cereal Crops</b>									
1	Paddy	HUR-917	Weed Management	Demonstration of Brown Manuring on Weed Management and Yield performance on DSR with drumseeder	Dhaincha seeds, herbicide	Kharif 2023	2	8	Plant height, Number of branches/plant, Yield, B:C Ratio
		PAC 801 (AH- 801)	Crop Production	Varietal Demonstration	Seeds	Kharif 2023	1	4	Yield, B:C Ratio
		6129 (BS-129) (HRI 152) (IET 18815)/Arize 6129 Gold	Plant Protection	IDM of Bacterial Leaf Blight Disease	Seeds	Kharif 2023	0.5	2	Disease Severity, Yield, B:C Ratio
		HUR-1309 (IET 23873) Malviya Sugandh Dhan-1309	Crop Production	Varietal Demonstration	Seeds	Kharif 2023	2.5	10	Yield, B:C Ratio
		Sahbhagi	Crop Production	Varietal Demonstration	Seeds	Kharif 2023	1	4	Yield, B:C Ratio
		NDR 2065 (IET 17476)	Plant Protection	IDM of Sheath Rot disease	Seeds	Kharif 2023	0.25	2	Disease Severity, Yield, B:C Ratio
		Shusk Samrat	Crop Production	Varietal Demonstration	Seeds	Kharif 2023	1	4	Yield, B:C Ratio
		HUBR-10-9	Crop Production	Varietal Demonstration	Seeds	Kharif 2023	0.5	4	Yield, B:C Ratio

			Plant Protection	IDM of Blast disease in rice	Seeds, pesticides	Kharif 2023	0.25	2	Diseases incidence, Yield, B:C Ratio
		HUR-3022	Crop Production	Varietal Demonstration	Seeds	Kharif 2023	0.5	3	Yield, B:C Ratio
2	Bajra	MH 2228	Crop production	Varietal, Balanced fertilizer	Seed, fertilizer, bio-fertilizer	Kharif 2023	1	6	Yield, B:C Ratio
		86M89 (MH 1747)	Crop production	Varietal, Balanced fertilizer	Seed, fertilizer, bio-fertilizer	Kharif 2023	2	8	Yield, B:C Ratio
3	Maize	Pusa Vivek Hybrid-27 Improved (APH27)	Crop Production	Varietal, Nutrient Management	Seed, fertilizer, bio-fertilizer	Kharif 2023	0.5	4	Yield, B:C Ratio
		JH 13347 PMH 12	Crop Production	Varietal, Nutrient Management	Seed, fertilizer, bio-fertilizer	Kharif 2023	0.5	4	Yield, B:C Ratio
		Several	Agricultural Engineering	Drudgery Reduction	Hand operated maize sheller	Kharif 2023	1	1	Output, B:C Ratio
4	Wheat	Karan Vandana (DBW 187)	Crop production	Varietal	Seed, Fertilizers	Rabi 2023	5	20	Yield, B:C Ratio
		Pusa Wheat 1621 (HI 1621)	Crop production	Varietal	Seed, Fertilizers	Rabi 2023	5	20	Yield, B:C Ratio
5	Barley	Mahamana 113 (HUB-113)	Crop Production	Nutrient Management	Fertilizers	Rabi 2023	2	8	Yield, B:C Ratio
		Narendra Barley 1445 (NBD-1445)	Crop Production	Varietal	Seed	Rabi 2023	2	8	Yield, B:C Ratio

Total Cereal Crops							28.5	122	
Horticultural Crops									
6	Tomato	Kashi Adarsh	Vegetable Production	Varietal	Seeds	Kharif 2023	0.25	5	Yield, B:C Ratio
		Kahi Amul	Plant Protection	IDM of ToLCV	Seeds and pesticides	Kharif 2023	0.25	5	Disease incidence, Yield, B:C Ratio
7	Okra	KASHI LALIMA (VROR-157)	Vegetable Production	Varietal	Seeds	Kharif 2023	0.25	5	Yield, B:C Ratio
		KASHI SHRISTI (VROH-12) F1 HYBRID	Vegetable Production	Varietal	Seeds	Kharif 2023	0.25	5	Yield, B:C Ratio
		KASHI Vardan	Plant Protection	IDM of YVMV	Seeds, pesticides	Kharif 2023	0.25	5	Disease Incidence, Yield, B:C Ratio
8	Onion	Pusa Red	Vegetable Production	Varietal	Seeds	Kharif 2023	0.125	4	Yield, B:C Ratio
9	Cowpea	Kashi Nidhi (VRCP-6)	Vegetable production	Varietal	Seeds	Rabi 2023	0.125	4	Yield, B:C Ratio
10	Bottlegourd	Kashi Kirti (VRBOG-63-02)	Vegetable production	Varietal	Seedlings	Rabi 2023	0.125	4	Yield, B:C Ratio
11	Brinjal	Kashi Sandesh	Vegetable production	Varietal	Seedlings	Rabi 2023	0.125	4	Yield, B:C Ratio
12	Vegetable Pea	Kashi Samridhi	Plant Protection	IDM of Powdery Mildew of pea	Seeds, fungicides	Rabi 2023	0.125	4	Disease Incidence, Yield, B:C Ratio
13	Papaya	PusaNanha	Fruit crops	Varietal	Seedlings	Rabi 2023	0.125	4	Fruit yield, B:C Ratio
Total Horticultural Crops							2	49	
Oilseeds									
13	Sesamum	RT-351	Nutrient management	Effect of sulphur on yield performance of	Sulphur	Kharif 2023	6	20	Yield, B:C Ratio

				Til					
14	Sesamum	RT-372	Crop production	Varietal	Seeds	Kharif 2023	6	20	Yield, B:C Ratio
15	Groundnut	Divya (CSMG-2003-19)	Crop production	Varietal	Seeds	Kharif 2023	3	8	Yield, B:C Ratio
16	Mustard	RH-0749	Nutrient management	Effect of sulphur on yield performance of mustard	Sulphur	Rabi 2023	10	20	Yield, B:C Ratio
17	Linseed/ Flax	TL-99	Crop production	Varietal demonstration of TL-99	Seeds	Rabi 2023	1	4	Yield, B:C Ratio
<b>Total Oilseeds</b>							<b>26</b>	<b>72</b>	
<b>Pulses</b>									
18	Pigeonpea	Prakash (IPA-203)	Crop production	Performance of Prakash (IPA-203) variety of pigeonpea	Provision of ridge maker	Kharif 2023	10	30	Yield, B:C Ratio
19	Urd	IPU 2-43	Crop production	Varietal	Seed+rhizobium culture	Kharif 2023	5	20	Yield, B:C Ratio
20	Mung	IPM 2-3	Crop production	Varietal	Seed+rhizobium culture	Kharif 2023	5	20	Yield, B:C Ratio
		Shikha	Plant Protection	IDM of Mungbean Yellow Mosaic Disease	Seeds and Pesticides	Kharif 2023	2	8	Yield, B:C Ratio
21	Field Pea	IPF 4-9	Crop production	Varietal	Seed+rhizobium culture	Rabi 2023	3	15	Yield, B:C Ratio
22	Chickpea	RVG-203	Crop production	Varietal	Seed+rhizobium culture	Rabi 2023	2.5	10	Yield, B:C Ratio
		JG-14	Crop production	Varietal	Seed+rhizobium culture	Rabi 2023	2.5	10	Yield, B:C Ratio

		RVG-202	Crop production	Varietal	Seed+rhizobium culture	Rabi 2023	2.5	10	Yield, B:C Ratio
		Ujjawal	Crop production	Varietal	Seed+rhizobium culture	Rabi 2023	2.5	10	Yield, B:C Ratio
		Several	Plant Protection	Integrated Management of chickpea wilt	Biopesticide (Trichoderma) and Chemical pesticides (Carbendazim, thiram)	Rabi 2023	1	4	Disease incidence, Yield, B:C Ratio
23.	Lentil	IPL-316	Crop production	Varietal	Seeds	Rabi 2023	2.5	10	Yield, B:C Ratio
		Several	Plant Protection	IPM of aphid	Seeds, pesticides	Rabi 2023	1	4	Pest severity, Yield, B:C Ratio
<b>Total Pulses</b>							<b>39.5</b>	<b>151</b>	
<b>Fodder</b>									
23	Jowar	CSV-33MF (CSV 33)	Fodder production	Varietal	Seeds	Kharif 2023	4	6	Yield, B:C Ratio
<b>Total Fodder</b>							<b>4</b>	<b>6</b>	
<b>TOTAL FRONTLINE DEMONSTRATIONS</b>							<b>100</b>	<b>400</b>	

#### Sponsored Demonstration

Crop	Area (ha)	No. of farmers

#### B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	18	January, February, March August, September, October, November, December	85

2	Farmers Training	22	January, February, March, April, May, June, July, August, September, October, November, December	186
3	Media coverage	48	January February, March, April, May, June, July, August, September, October, November, December	All the readers and listeners
4	Training for extension functionaries	06	April, May, June, August, October, December	18

**C. Details of FLD on Enterprises**

**(i) Farm Implements**

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Zero Tillage Machine	Wheat	Rabi 2023	4	1	ZT Machine	Cost of Cultivation, yield, profit
Groundnut planter	Groundnut	Kharif 2023	2	1	Groundnut planter	Seed rate, Plant spacing, cost of planting
Groundnut decorticator	Groundnut	Kharif 2023	2	1	Groundnut decorticator	Output (kg/hour), cost of decortication
Maize Sheller	Maize	Kharif 2023	4	1	Maize sheller	Cost of shelling, output/hour

**(ii) Livestock Enterprises**

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators



### 3.3 Training (Including the sponsored and FLD training programmes)

Trainings (January-December 2023)

#### ON-CAMPUS TRAININGS

##### FARMERS/FARM WOMEN:

Thematic Area	No. of courses	No of participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>CROP PRODUCTION</b>										
Weed Management	1	9	6	15	7	2	9	16	8	24
Resource Conservation Technologies	2	13	6	19	7	1	8	20	7	27
Cropping Systems	1	7	3	10	5	1	6	12	4	16
Crop Diversification	1	8	2	10	6	1	7	14	3	17
Micro Irrigation/Irrigation	1	5	4	9	3	1	4	8	5	13
Seed Production	2	20	7	27	12	2	14	32	9	41
Nursery Management	1	10	2	12	5	1	6	15	3	18
Integrated Nutrient Management	1	9	2	11	4	0	4	13	2	15
Others (Please Specify)	1	11	3	14	5	1	6	16	4	20
<b>Total Crop Production</b>	<b>11</b>	<b>92</b>	<b>35</b>	<b>127</b>	<b>54</b>	<b>10</b>	<b>64</b>	<b>146</b>	<b>45</b>	<b>191</b>
<b>HORTICULTURE</b>										
<b>(a) Vegetable crops</b>										
Production of low volume & high value crops	1	6	3	9	4	1	5	10	4	14
Grading and Standardization	1	5	3	8	3	2	5	8	5	13
<b>Total (a)</b>	<b>2</b>	<b>11</b>	<b>6</b>	<b>17</b>	<b>7</b>	<b>3</b>	<b>10</b>	<b>18</b>	<b>9</b>	<b>27</b>
<b>(b) Fruits</b>										
Training and Pruning	1	9	2	11	4	1	5	13	3	16
Rejuvenation of Old Orchard	1	4	1	5	2	0	2	6	1	7
<b>Total (b)</b>	<b>2</b>	<b>13</b>	<b>3</b>	<b>16</b>	<b>6</b>	<b>1</b>	<b>7</b>	<b>19</b>	<b>4</b>	<b>23</b>
<b>(c) Ornamentals</b>										
<b>Total (c)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>(d) Plantation Crops</b>										
Processing and Value Addition	1	9	7	16	5	8	13	14	15	29
<b>Total (d)</b>	<b>1</b>	<b>9</b>	<b>7</b>	<b>16</b>	<b>5</b>	<b>8</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>29</b>
<b>Total Horticulture</b>	<b>5</b>	<b>33</b>	<b>16</b>	<b>49</b>	<b>18</b>	<b>12</b>	<b>30</b>	<b>51</b>	<b>28</b>	<b>79</b>
<b>SOIL HEALTH AND FERTILITY MANAGEMENT</b>										
Soil and water testing	2	20	8	28	11	4	15	31	12	43
<b>Total Soil Health and Fertility Management</b>	<b>2</b>	<b>20</b>	<b>8</b>	<b>28</b>	<b>19</b>	<b>7</b>	<b>26</b>	<b>39</b>	<b>15</b>	<b>54</b>

<b>LIVESTOCK PRODUCTION AND MANAGEMENT</b>										
Dairy management	2	19	9	28	9	2	11	28	11	39
Poultry Management	1	7	3	10	5	2	7	12	5	17
Disease Management	1	9	3	12	5	2	7	14	5	19
Feed and Fodder Technology	2	20	9	29	10	5	15	30	14	44
<b>Total Livestock Production and Management</b>	<b>6</b>	<b>55</b>	<b>24</b>	<b>79</b>	<b>29</b>	<b>11</b>	<b>40</b>	84	35	<b>119</b>
<b>HOME SCIENCE AND WOMEN EMPOWERMENT</b>										
Household Food Security by Kitchen Gardening and Nutritional Gardening	2	21	9	30	10	10	20	31	19	50
Storage Loss Minimization Technique	1	5	2	7	3	2	5	8	4	12
<b>Total Home Science and Women Empowerment</b>	<b>3</b>	<b>26</b>	<b>11</b>	<b>37</b>	<b>13</b>	<b>12</b>	<b>25</b>	39	23	<b>62</b>
<b>AGRICULTURAL ENGINEERING</b>										
Farm Machinery and its Maintenance	1	8	1	9	6	1	7	14	2	16
Use of Plastics in farming practices	1	15	6	21	9	5	14	24	11	35
Repair and Maintenance of farm machinery and implements	1	8	1	9	11	4	15	19	5	24
Postharvest Technology	1	6	8	14	4	9	13	10	17	27
<b>Total Agricultural Engineering</b>	<b>4</b>	<b>37</b>	<b>16</b>	<b>53</b>	<b>30</b>	<b>19</b>	<b>49</b>	67	35	<b>102</b>
<b>PLANT PROTECTION</b>										
Integrated Pest Management	1	8	2	10	3	1	4	11	3	14
Integrated Disease Management	1	9	4	13	2	1	3	11	5	16
Biocontrol of Pests and Diseases	1	7	4	11	3	1	4	10	5	15
Production of Biocontrol agents and Biopesticides	2	14	5	19	6	2	8	20	7	27
<b>Total Plant Protection</b>	<b>5</b>	<b>38</b>	<b>15</b>	<b>53</b>	<b>14</b>	<b>5</b>	<b>19</b>	<b>52</b>	<b>20</b>	<b>72</b>
<b>PRODUCTION OF INPUTS AT SITE</b>										
Seed Production	1	6	4	10	3	2	5	9	6	15
Organic manures production	1	7	4	11	8	1	9	15	5	20
<b>Total Production of Inputs at Site</b>	<b>2</b>	<b>13</b>	<b>8</b>	<b>21</b>	<b>11</b>	<b>3</b>	<b>14</b>	<b>24</b>	<b>11</b>	<b>35</b>
<b>CAPACITY BUILDING AND GROUP DYNAMICS</b>										

Entrepreneurial development of farmers/youths	1	10	5	15	5	3	8	15	8	23
<b>Total Capacity Building and Group Dynamics</b>	<b>1</b>	<b>10</b>	<b>5</b>	<b>15</b>	<b>5</b>	<b>3</b>	<b>8</b>	<b>15</b>	<b>8</b>	<b>23</b>
<b>Total Farmers Training</b>	<b>39</b>	<b>324</b>	<b>138</b>	<b>462</b>	<b>193</b>	<b>82</b>	<b>275</b>	<b>517</b>	<b>220</b>	<b>737</b>

#### RURAL YOUTH:

Thematic Area	No. of courses	No of participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticultural crops	1	7	5	12	5	2	7	12	7	19
Seed Production	1	9	5	14	6	3	9	15	8	23
Production of organic inputs	1	10	4	14	5	2	7	15	6	21
Mushroom Production	2	15	7	22	9	2	11	24	9	33
Repair and maintenance of farm machinery and implements	1	8	1	9	5	0	5	13	1	14
Postharvest Technology	1	10	15	25	7	10	17	17	25	42
Sheep and Goat rearing	1	9	6	15	7	4	11	16	10	26
<b>Total Rural Youth</b>	<b>8</b>	<b>68</b>	<b>43</b>	<b>111</b>	<b>44</b>	<b>23</b>	<b>67</b>	<b>112</b>	<b>66</b>	<b>178</b>

#### EXTENSION PERSONNEL

Thematic Area	No. of courses	No of participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in fields crops	1	9	1	10	8	0	8	17	1	18
Integrated Pest Management	2	19	8	27	10	4	14	29	12	41
Production and Use of organic inputs	2	18	5	23	9	3	12	27	8	35
Group Dynamics and Farmers organization	1	9	1	10	5	0	5	14	1	15
Information networking among farmers	1	7	2	9	5	0	5	12	2	14
Livestock feed and fodder production	2	17	7	24	7	5	12	24	12	36
<b>Total Extension Personnel</b>	<b>9</b>	<b>79</b>	<b>24</b>	<b>103</b>	<b>44</b>	<b>12</b>	<b>56</b>	<b>123</b>	<b>36</b>	<b>159</b>
<b>GRAND TOTAL</b>	<b>56</b>	<b>471</b>	<b>205</b>	<b>676</b>	<b>281</b>	<b>117</b>	<b>398</b>	<b>752</b>	<b>322</b>	<b>1074</b>

**OFF-CAMPUS TRAININGS**

**FARMERS/FARM WOMEN**

Thematic Area	No. of courses	No of participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>CROP PRODUCTION</b>										
Weed Management	1	9	5	14	6	1	7	15	6	21
Cropping Systems	2	16	10	26	9	5	14	25	15	40
Integrated Farming	1	10	6	16	5	2	7	15	8	23
Seed Production	2	19	8	27	9	3	12	28	11	39
Nursery Management	1	7	2	9	4	2	6	11	4	15
Production of Organic Inputs	1	9	6	15	5	3	8	14	9	23
<b>Total Crop Production</b>	<b>8</b>	<b>70</b>	<b>37</b>	<b>107</b>	<b>38</b>	<b>16</b>	<b>54</b>	<b>108</b>	<b>53</b>	<b>161</b>
<b>HORTICULTURE</b>										
<b>(a) Vegetable crops</b>										
Grading and Standardization	1	10	6	16	7	2	9	17	8	25
<b>Total (a)</b>	<b>1</b>	<b>10</b>	<b>6</b>	<b>16</b>	<b>7</b>	<b>2</b>	<b>9</b>	<b>17</b>	<b>8</b>	<b>25</b>
<b>(b) Fruits</b>										
<b>Total (b)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>(c) Ornamentals</b>										
<b>Total (c)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>(d) Plantation Crops</b>										
<b>Total (d)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Horticulture</b>	<b>1</b>	<b>10</b>	<b>6</b>	<b>16</b>	<b>7</b>	<b>2</b>	<b>9</b>	<b>17</b>	<b>8</b>	<b>25</b>
<b>SOIL HEALTH AND FERTILITY MANAGEMENT</b>										
Micronutrient deficiency in crops	1	8	6	14	5	3	8	13	9	22
Soil and water testing	1	10	5	15	6	3	9	16	8	24
<b>Total Soil Health and Fertility Management</b>	<b>2</b>	<b>18</b>	<b>11</b>	<b>29</b>	<b>11</b>	<b>6</b>	<b>17</b>	<b>29</b>	<b>17</b>	<b>46</b>
<b>LIVESTOCK PRODUCTION AND MANAGEMENT</b>										
Poultry Management	2	16	8	24	12	8	20	28	16	44
Disease Management	1	12	6	18	8	5	13	20	11	31
Feed and Fodder Technology	1	6	5	11	5	4	9	11	9	20
Production of Quality Animal Products	1	8	4	12	3	5	8	11	9	20
<b>Total Livestock Production and Management</b>	<b>5</b>	<b>42</b>	<b>23</b>	<b>65</b>	<b>28</b>	<b>22</b>	<b>50</b>	<b>70</b>	<b>45</b>	<b>115</b>
<b>HOME SCIENCE AND WOMEN EMPOWERMENT</b>										
Storage Loss Minimization Technique	1	6	2	8	2	1	3	8	3	11
<b>Total Home Science and Women Empowerment</b>	<b>1</b>	<b>6</b>	<b>2</b>	<b>8</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>8</b>	<b>3</b>	<b>11</b>

<b>AGRICULTURAL ENGINEERING</b>										
Farm Machinery and its Maintenance	1	9	2	11	7	1	8	16	3	19
Installation and Maintenance of Micro Irrigation Systems	1	10	2	12	5	1	6	15	3	18
Use of Plastics in farming practices	1	9	6	15	4	3	7	13	9	22
Production of small tools and implements	1	8	9	17	6	7	13	14	16	30
Repair and Maintenance of farm machinery and implements	1	7	1	8	4	1	5	11	2	13
Small scale processing and value addition	1	10	15	25	5	10	15	15	25	40
Postharvest Technology	1	8	9	17	2	6	8	10	15	25
<b>Total Agricultural Engineering</b>	<b>7</b>	<b>61</b>	<b>44</b>	<b>105</b>	<b>33</b>	<b>29</b>	<b>62</b>	<b>94</b>	<b>73</b>	<b>167</b>
<b>PLANT PROTECTION</b>										
Integrated Pest Management	2	16	6	22	10	3	13	26	9	35
Integrated Disease Management	1	7	4	11	5	2	7	12	6	18
Biocontrol of Pests and Diseases	1	9	6	15	7	2	9	16	8	24
Production of Biocontrol agents and Biopesticides	1	7	3	10	6	1	7	13	4	17
<b>Total Plant Protection</b>	<b>5</b>	<b>39</b>	<b>19</b>	<b>58</b>	<b>28</b>	<b>8</b>	<b>36</b>	<b>67</b>	<b>27</b>	<b>94</b>
<b>PRODUCTION OF INPUTS AT SITE</b>										
Seed Production	1	9	7	16	5	1	6	14	8	22
Mushroom production	1	12	6	18	8	2	10	20	8	28
<b>Total Production of Inputs at Site</b>	<b>2</b>	<b>21</b>	<b>13</b>	<b>34</b>	<b>13</b>	<b>3</b>	<b>16</b>	<b>34</b>	<b>16</b>	<b>50</b>
<b>CAPACITY BUILDING AND GROUP DYNAMICS</b>										
Total Capacity Building and Group Dynamics	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Farmers Training</b>	<b>31</b>	<b>267</b>	<b>155</b>	<b>422</b>	<b>160</b>	<b>87</b>	<b>247</b>	<b>427</b>	<b>242</b>	<b>669</b>

#### RURAL YOUTH

Thematic Area	No. of courses	No of participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Protected cultivation of vegetable crops	1	9	5	14	4	1	5	13	6	19
Seed Production	1	7	2	9	4	1	5	11	3	14
Production of organic inputs	1	6	2	8	2	0	2	8	2	10
Mushroom Production	1	10	9	19	8	7	15	18	16	34
Small scale processing	1	9	4	13	3	1	4	12	5	17
Dairying	1	10	8	18	7	4	11	17	12	29
<b>Total Rural Youth</b>	<b>6</b>	<b>51</b>	<b>30</b>	<b>81</b>	<b>28</b>	<b>14</b>	<b>42</b>	<b>79</b>	<b>44</b>	<b>123</b>

**EXTENSION PERSONNEL**

Thematic Area	No. of courses	No of participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated Pest Management	2	18	7	25	7	1	8	25	8	33
Protected Cultivation Technology	1	8	0	8	2	0	2	10	0	10
Information networking among farmers	1	7	2	9	4	1	5	11	3	14
Management in farm animals	1	15	6	21	7	4	11	22	10	32
Livestock feed and fodder production	2	20	11	31	11	6	17	31	17	48
Household food security	1	7	0	7	1	0	1	8	0	8
<b>Total Extension Personnel</b>	<b>8</b>	<b>75</b>	<b>26</b>	<b>101</b>	<b>32</b>	<b>12</b>	<b>44</b>	<b>107</b>	<b>38</b>	<b>145</b>
<b>GRAND TOTAL</b>	<b>44</b>	<b>387</b>	<b>209</b>	<b>596</b>	<b>218</b>	<b>112</b>	<b>330</b>	<b>605</b>	<b>321</b>	<b>926</b>

**CONSOLIDATED TRAININGS (JANUARY-DECEMBER, 2023)**
**FARMERS AND FARM WOMEN**

Thematic Area	No. of Courses	No of participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>CROP PRODUCTION</b>										
Weed Management	2	18	11	29	13	3	16	31	14	45
Resource Conservation Technologies	2	13	6	19	7	1	8	20	7	27
Cropping Systems	3	23	13	36	14	6	20	37	19	56
Crop Diversification	1	8	2	10	6	1	7	14	3	17
Integrated Farming	1	10	6	16	5	2	7	15	8	23
Micro Irrigation/Irrigation	1	5	4	9	3	1	4	8	5	13
Seed Production	4	39	15	54	21	5	26	60	20	80
Nursery Management	2	17	4	21	9	3	12	26	7	33
Integrated Nutrient Management	1	9	2	11	4	0	4	13	2	15
Production of Organic Inputs	1	9	6	15	5	3	8	14	9	23
Others (Bhartiya Prakritik Krishi Paddhati (BPKP))	1	11	3	14	5	1	6	16	4	20
<b>Total Crop Production</b>	<b>19</b>	<b>162</b>	<b>72</b>	<b>234</b>	<b>92</b>	<b>26</b>	<b>118</b>	<b>254</b>	<b>98</b>	<b>352</b>
<b>HORTICULTURE</b>										
<b>(a) Vegetable crops</b>										

Production of low volume & high value crops	1	6	3	9	4	1	5	10	4	14
Grading and Standardization	2	15	9	24	10	4	14	25	13	38
<b>Total (a)</b>	<b>3</b>	<b>21</b>	<b>12</b>	<b>33</b>	<b>14</b>	<b>5</b>	<b>19</b>	<b>35</b>	<b>17</b>	<b>52</b>
<b>(b) Fruits</b>										
Training and Pruning	1	9	2	11	4	1	5	13	3	16
Rejuvenation of Old Orchard	1	4	1	5	2	0	2	6	1	7
<b>Total (b)</b>	<b>2</b>	<b>13</b>	<b>3</b>	<b>16</b>	<b>6</b>	<b>1</b>	<b>7</b>	<b>19</b>	<b>4</b>	<b>23</b>
<b>(c) Ornamentals</b>										
<b>Total (c)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>(d) Plantation Crops</b>										
Processing and Value Addition	1	9	7	16	5	8	13	14	15	29
<b>Total (d)</b>	<b>1</b>	<b>9</b>	<b>7</b>	<b>16</b>	<b>5</b>	<b>8</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>29</b>
<b>Total Horticulture</b>	<b>6</b>	<b>43</b>	<b>22</b>	<b>65</b>	<b>25</b>	<b>14</b>	<b>39</b>	<b>68</b>	<b>36</b>	<b>104</b>
<b>SOIL HEALTH AND FERTILITY MANAGEMENT</b>										
Micronutrient deficiency in crops	1	8	6	14	5	3	8	13	9	22
Soil and water testing	3	30	13	43	17	7	24	47	20	67
<b>Total Soil health and Fertility Management</b>	<b>4</b>	<b>38</b>	<b>19</b>	<b>57</b>	<b>30</b>	<b>13</b>	<b>43</b>	<b>68</b>	<b>32</b>	<b>100</b>
<b>LIVESTOCK PRODUCTION AND MANAGEMENT</b>										
Dairy management	2	19	9	28	9	2	11	28	11	39
Poultry Management	3	23	11	34	17	10	27	40	21	61
Disease Management	2	21	9	30	13	7	20	34	16	50
Feed and Fodder Technology	3	26	14	40	15	9	24	41	23	64
Production of Quality Animal Products	1	8	4	12	3	5	8	11	9	20
<b>Total Livestock Production and Management</b>	<b>11</b>	<b>97</b>	<b>47</b>	<b>144</b>	<b>57</b>	<b>33</b>	<b>90</b>	<b>154</b>	<b>80</b>	<b>234</b>
<b>HOME SCIENCE AND WOMEN EMPOWERMENT</b>										
Household Food Security by Kitchen Gardening and Nutritional Gardening	2	21	9	30	10	10	20	31	19	50
Storage Loss Minimization Technique	2	11	4	15	5	3	8	16	7	23
<b>Total Home Science and Women Empowerment</b>	<b>4</b>	<b>32</b>	<b>13</b>	<b>45</b>	<b>15</b>	<b>13</b>	<b>28</b>	<b>47</b>	<b>26</b>	<b>73</b>
<b>AGRICULTURAL ENGINEERING</b>										
Farm Machinery and its Maintenance	2	17	3	20	13	2	15	30	5	35
Installation and Maintenance of Micro	1	10	2	12	5	1	6	15	3	18

Irrigation Systems										
Use of Plastics in farming practices	2	24	12	36	13	8	21	37	20	57
Production of small tools and implements	1	8	9	17	6	7	13	14	16	30
Repair and Maintenance of farm machinery and implements	2	15	2	17	15	5	20	30	7	37
Small scale processing and value addition	1	10	15	25	5	10	15	15	25	40
Postharvest Technology	2	14	17	31	6	15	21	20	32	52
<b>Total Agricultural Engineering</b>	<b>11</b>	<b>98</b>	<b>60</b>	<b>158</b>	<b>63</b>	<b>48</b>	<b>111</b>	<b>161</b>	<b>108</b>	<b>269</b>
<b>PLANT PROTECTION</b>										
Integrated Pest Management	3	24	8	32	13	4	17	37	12	49
Integrated Disease Management	2	16	8	24	7	3	10	23	11	34
Biocontrol of Pests and Diseases	2	16	10	26	10	3	13	26	13	39
Production of Biocontrol agents and Biopesticides	3	21	8	29	12	3	15	33	11	44
<b>Total Plant Protection</b>	<b>10</b>	<b>77</b>	<b>34</b>	<b>111</b>	<b>42</b>	<b>13</b>	<b>55</b>	<b>119</b>	<b>47</b>	<b>166</b>
<b>PRODUCTION OF INPUTS AT SITE</b>										
Seed Production	2	15	11	26	8	3	11	23	14	37
Organic manures production	1	7	4	11	8	1	9	15	5	20
Mushroom production	1	12	6	18	8	2	10	20	8	28
<b>Total Production of inputs at site</b>	<b>4</b>	<b>34</b>	<b>21</b>	<b>55</b>	<b>24</b>	<b>6</b>	<b>30</b>	<b>58</b>	<b>27</b>	<b>85</b>
<b>CAPACITY BUILDING AND GROUP DYNAMICS</b>										
Entrepreneurial development of farmers/youths	1	10	5	15	5	3	8	15	8	23
<b>Total Capacity Building and Group Dynamics</b>	<b>1</b>	<b>10</b>	<b>5</b>	<b>15</b>	<b>5</b>	<b>3</b>	<b>8</b>	<b>15</b>	<b>8</b>	<b>23</b>
<b>Total Farmers Training</b>	<b>70</b>	<b>591</b>	<b>293</b>	<b>884</b>	<b>345</b>	<b>166</b>	<b>511</b>	<b>936</b>	<b>459</b>	<b>1395</b>

## RURAL YOUTH

Thematic Area	No. of Courses	No of participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticultural crops	1	7	5	12	5	2	7	12	7	19
Protected cultivation of vegetable crops	1	9	5	14	4	1	5	13	6	19
Seed Production	2	16	7	23	10	4	14	26	11	37
Production of organic inputs	2	16	6	22	7	2	9	23	8	31



Mushroom Production	3	25	16	41	17	9	26	42	25	67
Repair and maintenance of farm machinery and implements	1	8	1	9	5	0	5	13	1	14
Small scale processing	1	9	4	13	3	1	4	12	5	17
Postharvest Technology	1	10	15	25	7	10	17	17	25	42
Dairying	1	10	8	18	7	4	11	17	12	29
Sheep and Goat rearing	1	9	6	15	7	4	11	16	10	26
<b>Total Rural Youth</b>	<b>14</b>	<b>119</b>	<b>73</b>	<b>192</b>	<b>72</b>	<b>37</b>	<b>109</b>	<b>191</b>	<b>110</b>	<b>301</b>

#### EXTENSION PERSONNEL

Thematic Area	No. of Courses	No of participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in fields crops	1	9	1	10	8	0	8	17	1	18
Integrated Pest Management	4	37	15	52	17	5	22	54	20	74
Protected Cultivation Technology	1	8	0	8	2	0	2	10	0	10
Production and Use of organic inputs	2	18	5	23	9	3	12	27	8	35
Group Dynamics and Farmers organization	1	9	1	10	5	0	5	14	1	15
Information networking among farmers	2	14	4	18	9	1	10	23	5	28
Management in farm animals	1	15	6	21	7	4	11	22	10	32
Livestock feed and fodder production	4	37	18	55	18	11	29	55	29	84
Household food security	1	7	0	7	1	0	1	8	0	8
<b>Total Extension Personnel</b>	<b>17</b>	<b>154</b>	<b>50</b>	<b>204</b>	<b>76</b>	<b>24</b>	<b>100</b>	<b>230</b>	<b>74</b>	<b>304</b>
<b>GRAND TOTAL</b>	<b>101</b>	<b>864</b>	<b>416</b>	<b>1280</b>	<b>493</b>	<b>227</b>	<b>720</b>	<b>1357</b>	<b>643</b>	<b>2000</b>

#### 1.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	22	142	32	174	10	0	10	152	32	184
Kisan Mela	2	412	68	480	14	0	14	426	68	494
Kisan Ghosthi	12	124	10	134	8	0	8	132	10	142
Exhibition	21	164	25	189	10	0	10	174	25	199
Film Show	68	215	64	279	19	0	19	234	64	298
Farmers Seminar	1	49	15	64	6	0	6	55	15	70
Workshop	1	35	12	47	5	0	5	40	12	52
Group meetings	6	72	12	84	6	0	6	78	12	90

Lectures delivered as resource persons	31	159	23	182	8	0	8	167	23	190
Newspaper coverage	75	All the readers								
Radio talks	6	All the listeners								
TV talks	3	All the Viewers								
Popular articles	15	All the readers								
Extension Literature	8	All the readers								
<b>Advisory Services</b>										
Scientific visit to farmers field	52	165	52	217	17	0	17	182	52	234
Farmers visit to KVK	6	241	21	262	9	0	9	250	21	271
Diagnostic visits	41	165	50	215	10	0	10	175	50	225
Exposure visits	1	19	2	21	3	0	3	22	2	24
Ex-trainees Sammelan	1	29	9	38	5	0	5	34	9	43
Soil health Camp	4	112	19	131	9	0	9	121	19	140
Animal Health Camp	3	52	18	70	5	0	5	57	18	75
Agri mobile clinic	1	87	43	130	8	0	8	95	43	138
Soil test campaigns	2	128	32	160	7	0	7	135	32	167
Farm Science Club Conveners meet	2	13	5	18	4	0	4	17	5	22
Self Help Group Conveners meetings	1	52	15	67	5	0	5	57	15	72
Mahila Mandals Conveners meetings	1	0	15	15	0	3	3	0	18	18
Celebration of important days (Parthenium Awareness Week and Hindi Diwas)	2	65	23	88	8	5	13	73	28	101
Krishi Mohostva	1	22	19	41	9	6	15	31	25	56
Pre Kharif workshop	1	65	17	82	10	0	10	75	17	92
Pre Rabi workshop	1	75	18	93	6	0	6	81	18	99
PPVFRA workshop	1	65	10	75	5	0	5	70	10	80
<b>TOTAL</b>	<b>392</b>	<b>2727</b>	<b>629</b>	<b>3356</b>	<b>206</b>	<b>14</b>	<b>220</b>	<b>2933</b>	<b>643</b>	<b>3576</b>

### 3.5 Target for Production and supply of Technological products SEED MATERIALS:

Sl. No.	Crop	Variety	Quantity (qtl.)
<b>CEREALS</b>	1. Wheat	Karan Vandana (DBW 187)	10
		Mandakini	10
		Narendra Wheat-5054	8
		HD 3090	6
		DBW 88	4
		HD3086	4
	2. Barley	RD 2907	4
		HUB-113	4

		Narendra Barley (NBD)-1445	3
	3. Paddy	Sushk Samrat	15
		Sahbhagi	18
		HUR-917	10
		HUR-105	15
	4. Pearl Millet	86M66 (MH1617)	8
<b>OILSEEDS</b>	1. Til	DSS-9	15
		TKG-308	12
		RT-351	8
	2. Mustard	RH-0749	10
		PusaMaustard 30 (LES-43)	4
	3. Groundnut	TG 37A	2
	4. Linseed	Padmini (LMH-62)	4
<b>PULSES</b>	1. Gram	Aparna (RSG-991)	1
		Ujjwal (IPCK 2004-29)	1
		Abhilasha (RSG-974)	1
	2. Pigeon pea	Prakash (IPA-203)	5
		BDN-711 (BDN 2004-3)	3
	3. Field pea	Central Fieldpea (IPFD 12-2)	2
	4. Lentil	IPL-220 (Biofortified)	1
		Azad Masur-1 (KLS-218)	1
	5.Urd	PU 31	3
		IPU 2-43	1
	6. Mungbean	IPM 2-3	5
		Shikha	1
<b>Total</b>			<b>200</b>

#### PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>FRUITS</b>	1. Aonla	Narendra Aonla 7	2000
	2. Karonda	Pink Fruited	1800
	3. Papaya	PusaNanha	800
		Pusa Delicious	750
	4. Beal	Narendra Beal 5	250
		Local	100
	5. Custard Apple	Local	100
	6. Chironji	Local	750
<b>VEGETABLES</b>	1. Cauliflower	Kashi Kunwari	1500
	2. Brinjal	Kashi Sandesh	1250
	3. Tomato	Kashi Amrit (DVRT-1)	2000
	4. Chilli	Kashi Anmol	1750
	5. Broccoli	Pusa Broccoli KTS-1	1000
<b>FOREST SPECIES</b>	1. Neem	Local	750
<b>ORNAMENTAL CROPS</b>	1. Marigold	Pusa Arpita	3000
		PusaBahar	2200
		<b>Total</b>	<b>20000</b>

#### Bio-products:

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>				

#### LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
GOAT	Kids	Barbari	25	
SHEEP				
POULTRY				

Pig farming				
FISHERIES				

### 3.6. Literature to be Developed/Published

#### (A) KVK News Letter

Date of start : 2007

Number of copies to be published : Vindhya Krishi (ISSN: 0974-9934), to be published thrice, i.e. Zayad- 2022, Kharif-2022 and Rabi-2022 in 1000 copies each (Total 3000 copies in the year 2022)

#### (B) Literature to be developed/published

S.No.	Topic	Number
1	Research paper each scientist	02×5=10
2	Technical reports	08
3	News letters	00
4	Training manual all disciplines	01
5	Popular article	20
6	Extension literature	07
<b>Total</b>		<b>46</b>

#### (C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1.	DVD	Integrated disease management in Tomato	20
2.	DVD	Food preservation methods	20
3.	DVD	Goat Rearing for rural income	20
4.	DVD	Farming Systems for Vindhyan Zone	20

### 3.7. Success stories/Case studies identified for development as a case. - Will be provided later

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
  - i) Social economic
  - ii) Bio-Physical
- f. Good Action Photographs

### 3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers

- a) Participatory Rural Appraisal
- b)
- c)

#### Rural Youth

- a) Participatory Rural Appraisal
- b)
- c)
- d)

#### In-service personnel

- a) Participatory Rural Appraisal
- b) Survey
- c) Questionnaire

### 3.9 Indicate the methodology for identifying OFTs/FLDs

#### For OFT :

- i) PRA
- ii) Problem identified from Matrix
- iii) Field level observations
- iv) Farmer group discussions

#### For FLD :

- i) New variety/technology
- ii) Poor yield at farmers level
- iii) Existing cropping system

### 3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year) –
  1. Andhiya (Patehara)
  2. Barkachha Kalan (City)
- ii. No. of farm families selected per village : 20
- iii. No. of survey/PRA conducted : 08
- iv. No. of technologies taken to the adopted villages: 05
- v. Name of the technologies found suitable by the farmers of the adopted villages: *Will be provided later*
- vi. Impact (production, income, employment, area/technological– horizontal/vertical): *Will be provided later*
- vii. Constraints if any in the continued application of these improved technologies: *Will be provided later*

### 3.11. Activities of Soil and Water Testing Laboratory

- Status of establishment of Lab : Established
1. Year of establishment : 2006
  2. List of equipment purchased with amount :

S. No.	Equipment/Apparatus	Quantity	Cost (Rs.)	
1.	Spectrophotometer with software	01	201909	
2.	Flame photometer	01	41473	
3.	Digital pH meter	01	9900	
4.	Conductivity bridge	01	6608	
5.	Laboratory table	01	39500	
6.	Lab analysis table	01	6500	
7.	Roller pot mill	01	19990	
8.	Distillation apparatus	01	25200	
9.	Electronic balance	01	49920	
10.	pH meter	01	2250	
11.	Chemicals, soil and water sample storage cabinet (30500+18300)	07	213500	
12.	Voltage regulator	01	1500	
13.	Refrigerator	01	17500	
14.	Multi-channel soil thermometer	01	28000	
15.	Hot plate	01	12876	
16.	Shaker	01	37088	
17.	Oven	01	37770	
18.	Grinder/mill/grinder	01	3192	
19.	Kjeldahl distillation and digestion unit	PLT170	01	7752
		PLT171	01	7752
		PLT172	01	19950
20.	Deionizer	01	24950	
21.	Chemical balance	01	2600	
22.	Physical balance	01	2100	
23.	Soil sampling augur	Tube Type	01	8575
		Scxw Type	01	2450
		Dost Hole Type	01	3575
24.	Soil hydrometer	01	5990	
25.	Agate mortar and pestle	01	3780	
26.	<i>MridaParikshak</i>	02		
27.	STFR Meter	01		
<b>TOTAL</b>		<b>35</b>	<b>844150</b>	

### GLASSWARES

S. No.	Glassware	Capacity/ Specification	Number
1.	Beaker	100 ml	08
		500 ml	08

		1000 ml	08
2.	Bottle Reagent NM	250 ml	08
		500 ml	08
3.	Bottle Solution	250 ml	08
		500 ml	08
4.	Bottle Reagent WM	250 ml	05
		500 ml	05
5.	Bottle wash with Stopper	250 ml	05
		500 ml	05
		1000 ml	05
6.	Bottle Dropping Cap Rubber	60 ml	10
		125 ml	10
		250 ml	10
7.	Burette	25 ml	05
		50 ml	05
8.	Cylindrical Graduated	5 ml	22
		10 ml	22
		100 ml	22
		500 ml	11
		1000 ml	22
9.	Round Bottle Flask	250 ml	11
		500 ml	12
10.	Conical Flask	250 ml	12
		500 ml	12
11.	Volumetric Flask	250 ml	12
		500 ml	12
12.	Funnel	50mm	12
		125 mm	12
13.	Pipette	1 ml	24
		2 ml	22
		5 ml	12
		10 ml	24
		25 ml	24
14.	Petri dish	80 mm	20
		150 mm	20
15.	Test tube	75×10 mm	20
		125 ×10 mm	24
16.	Test Tube Stopper	15×125 mm	24
		25×150 mm	24
		25×200 mm	24
17.	Automatic all glass Distillation Apparatus	Double stage 10 litre	01

#### Chemicals

S. No.	Chemical	Quantity
1.	Allyl chloride	3×2.5 litre
2.	Ammonium chloride (AR)	3×5 kg
3.	Acetic acid glacial (AR)	3×2.5 litre
4.	Ammonium sulphate (AR)	8×500 g
5.	Ammonium dilute hydrate orthophosphate	8×50 g
6.	Erlochrome black (AR)	4×100 g
7.	EDTA di-potassium salt (AR)	5×500 g
8.	Ferric chloride (AR)	4×500 g
9.	Ferric nitrate (AR)	4×500 g
10.	Ferrous sulphate (AR)	4×500 g
11.	Orthophosphoric acid	2×2.5 litre

12.	Potassium chloride (AR)	5×5 kg
13.	Potassium chromate	5×500 g
14.	Potassium cyanate (AR)	3×500 g
15.	Potassium dichromate (AR)	3×500 g
16.	Potassium hydroxide	3×5 kg
17.	Potassium iodate	4×200 g
18.	Potassium permanganate	5×500 g
19.	Iodine sublimed	4×100 g
20.	Phenolphthalin solution	8×125 ml
21.	Methyl orange solution	8×125 ml
22.	Magnesium sulphate	2×5 kg
23.	Universal indicator solution	8×500 ml
24.	Silver nitrate	2×100 g
25.	Silver sulphate	3×25 g
26.	Sodium hydroxide	2×5 kg
27.	Sodium chloride	4×5 kg
28.	Sodium thiosulphate	8×500 ml
29.	Sodium thiocyanate	3×500 g
30.	Sodium oxalate	5×500 g
31.	Sodium sulphate	8×500 g
32.	Sulphuric acid	2×6 Am
33.	Hydrochloric acid	2×6 Am
34.	Sodium hydrogen carbonate	2×5 kg
35.	Cedapol	1×5 litre

### 3.Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	2000	2000	50	As per the prevailing rates.
Water Samples	-	-	-	-
<b>Total</b>	<b>2000</b>	<b>2000</b>	<b>50</b>	<b>-</b>

## 4.0 LINKAGES:

### 4.1 Functional linkage with different organizations

S.No.	Name of organization	Nature of linkage
1.	Dryland Agriculture, B.H.U., Varanasi	Improved Technology
2.	Institute of Agricultural Sciences, BHU, Varanasi	Training and Improved Technology
3.	All India Coordinated Pulse Improvement Project (ICAR), BHU, Varanasi	Improved Variety, Practices and Training
4.	Indian Institute of Vegetable Research (IIVR), ICAR, Varanasi	Improved Variety, Practices and Training
5.	District Agriculture Department, Mirzapur	Training and Preparation of Technical materials
6.	District Forest Department, Mirzapur	Training and Improved Practices for Forest Plants
7.	District Livestock Department, Mirzapur	Artificial Insemination, Medicine and Training on Animal Health
8.	District Horticulture Department, Mirzapur	Training and Advisory
9.	District Food Processing and Fruit Preservation Department, Mirzapur	Training and Advisory
10.	District Fisheries Department, Mirzapur	Training and Advisory
11.	District Plant Protection Department, Mirzapur	Training and Advisory
12.	Crop Research Station, Tisui, Mirzapur	Technology on Vindhyan Agriculture
13.	All India Coordinated Wheat Improvement Project (ICAR), BHU, Varanasi	Improved Varieties, Practices and Training
14.	National Agricultural Innovation Project (NAIP), ICAR, BHU	Consortium Partnership
15.	Agriculture Farm, RGSC, BHU, Barkachha, Mirzapur	Seed Production and Storage
16.	Drought Prone Area Project (DPAP), Mirzapur	Training and Advisory
17.	Indian Institute of Agricultural Research, New Delhi	Improved Variety

18.	Directorate of Wheat Research (ICAR), Karnal	Improved Variety and Seeds of Barley and Wheat
19.	Agriculture Skill Council of India	Training of Trainers, Skill development

#### 4.2. Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

S. No.	Programme	Nature of linkage
1.	Farmers Training	Training and Technical Assistance
2.	Farmers' Scientists' Interaction	Interaction among KVK scientists and Farmers of Distt. Mirzapur

#### 4.3. Give details of programmes under National Horticultural Mission

S.No.	Programme	Nature of linkage
1	Model Nursery	Resource Centre
2	Farmers Training	Resource Centre

#### 4.4. Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1.	Training	Training in coordination with department of Fisheries, Distt. Mirzapur

#### 5.0. Utilization of hostel facilities

Accommodation available (No. of beds):

Months	No. of Programmes (Proposed)	Trainee days (proposed days stayed)
January 2023	01	03
February 2023	02	12
March 2023	03	16
April 2023	01	08
May 2023	01	04
June 2023	03	15
July 2023	01	05
August 2023	03	15
September 2023	02	10
October 2023	04	16
November 2023	03	15
December 2023	02	08

6.0 Convergence with departments : Will be provided later

7.0 Feedback of the farmers about the technologies demonstrated and assessed :

Will be provided later

8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities: Will be provided later

iv) Sponsored programme :Information shall be provided later

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programme											





## ACTION PLAN

### **KVK MATHURA**

(January-2023 to Decemeber-2023)

#### 1. GENERAL INFORMATION ABOUT THE KVK

##### 1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail	Website
	Office	FAX		
Krishi Vigyan Kendra Veterinary University Campus, Mathura-281001	0565-2471237	-	mathurakvk@gmail.com	mathura.kvk4.in

##### 1.2 .a. Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail	Website
	Office	FAX		
U.P.Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidhyalaya Evam Go-Anusandhan Sansthan, Mathura-281001	0565-2470199	0565-2404819	duvasuvc@gmail.com	www.upvetuniv.edu.in

1.2.b. Status of KVK website : mathura.kvk4.in

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :

1.2.d Status of ICT lab at your KVK : Yes





##### 1.3. Name of the Sr. Scientist & Head with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Y.K.Sharma, In-charge	0565-2470353	9412559945	mathurakvk@gmail.com

1.4. Year of sanction (as per MOU): 1984

### 1.5. Staff Position (as on Oct., 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Subject Matter Specialist	Dr. Y.K.Sharma	SMS	Agril (Extn.)	79800-211500	8000/-	120600/-	28.11.2001	Permanent	Gen.	9412559945	dryksharmakvk@gmail.com	
2	Subject Matter Specialist	Dr. Braj Mohan	SMS	Horticulture	56100-177500	5400/-	75400/-	13.10.2011	Permanent	SC	8439305626	braj.meerut@gmail.com	
3	Subject Matter Specialist	Dr. Ravindra Kr. Rajput	SMS	Soil Science	56100-177500	5400/-	75400/-	17.10.2011	Permanent	OBC	8868871549	ravindrakumarrajput@rediffmail.com	
4	Programme Assistant	Govind Kumar Gupta	Programme Assistant (Comp.)	Computer	44900-142400	4800/-	74300/-	26.09.2001	Permanent	Gen.	9412470363	govindkvk@gmail.com	
5	Programme Assistant	Nandram	Farm Manager	Agronomy	35400-112400	4200/-	43600/-	29.01.2015	Permanent	OBC	9412336766	nr.raajput65@gmail.com	

6	Stenographer	Anil Kr. Kulshreshtha	Jr. steno/Computer Operator	-	29200-92300	4200/-	50500/-	20.03.2003	Permanent	SC	9457027005	klpnkm100@gmail.com	
7	Driver	Munna Alias Sarvesh	Tractor Driver	-	29200-92300	4200/-	47600/-	07.12.1992	Permanent	OBC	05652471237	-	
8	Supporting Staff	Smt. Savitri Sharma	Attendant	-	18000-56900	1800/-	19700/-	07.12.2019	Permanent	Gen.	9897025216	-	
9	Supporting Staff	Chandra Prakash Sharma	Attendant	-	18000-56900	1800/-	18500/-	26.03.2020	Permanent	Gen.	7302943911	-	

#### 1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1
2.	Under Demonstration Units	-
3.	Under Crops	17
4.	Horticulture	-
5.	Pond	-
6.	Agro forestry	2
	<b>Total</b>	<b>20</b>

## 1.7. Infrastructural Development:

### A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	15.8.09	550 sqm.	59,72,000	-	550	completed
2.	Farmers Hostel (Old)	ICAR	1989	425 sqm.	-	-	-	Abandoned
3.	Staff Quarters (11)	ICAR	1997	620 sqm.	-	-	-	Repairable
4.	Demonstration Units (4)	ICAR						
	i. Vermi-compost		2006-07	180 m <sup>3</sup>	3900	-	-	completed
	ii. NADEP		2010-11	225 m <sup>3</sup>	3000	-	-	completed
	iii. Napier Grass		2010-11	1 acre	-	-	-	completed
	iv. Guinea Grass		2010-11	0.5 acre	-	-	-	completed
5	Fencing (Farm)	ICAR	2006-07	1400 meter	5,96,000	-	-	completed
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	ICAR	2006-07	800 Sqm.	2,43,000	-	-	completed
8	Farm godown	-	-	-	-	-	-	-
	<b>Other</b>							
9	Tube well	ICAR	2006-07	-	1,30,000	-	-	Working
10	Irrigation channel (Pipe line)	ICAR	2006-07	1540 Sqm.	9,26,000	-	-	completed

### B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep (Bolero)	2013-14	637166/-	86000 Km.	Good
Tractor (Mahindra)	2009-10	500000/-	4525 hrs.	Good
Motor Cycle (Hero Honda)	2011-12	59991/-	45025 Km.	Good

### C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
LCD Projector	2006-07	93,675.75	Working
Video Camera	2006-07	19,799.00	Not Working
Still Camera	2010-11	8,995.00	Working
Scanner	2010-11	4,988.00	Working
Generator	2010-11	72,500.00	Working
Biometric Machine	2015-16	18,777.00	Working

Laptop	2016-17	48,000.00	Working
Photocopier	2016-17	80,000.00	Working
Still Camera	2016-17	12,995.00	Working
Desktop computers (09 Nos.)	2016-17	4,35,882.00	Working
AC (06 Nos.)	2016-17	2,63,350.00	Working
TV (02 Nos.)	2016-17	93,750.00	Working
Water Cooler-150 lt.	2016-17	56,000.00	Working
Kent RO 25 lt.	2016-17	29,875.00	Not Working

### 1.8. A). Details of SAC meetings to be conducted in the year

Sl.No.	Scientific Advisory Committee	Date
1.	Scientific Advisory Committee	25.11.2023

## 2. DETAILS OF DISTRICT

### 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1	Crop husbandry & Dairy
2	Crop husbandry & Vegetable cultivation
3	Crop husbandry & Floriculture
4	Crop husbandry & Poultry
5	Crop husbandry & Goatry
6	Crop husbandry & Vermi-composting & NADEP
7	Crop husbandry & Beekeeping
8	Vegetable + Dairying

### 2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

#### a) Soil type

Sl. No.	Agro-climatic Zone	Characteristics
1	South-West-Semi-Arid-Zone	<p>Mathura district falls in South West Semi Arid Zone comprises of 10 blocks namely Farah, Goverdhan, Mathura, Raya, Baldev, Naujheel, Manth, Chhata, Chaumuha &amp; Nandgaun. The topography and geography of the district in general show that Mathura is the North Western district of Agra division, a part of Yamuna basin and lies between 27°-14'-27°-58' North Longitude and 77°-71' to 78°-12' East latitude. It consists of ravenous saline, alkaline and water logged soil but mostly alluvial soils those are formed by the silt of Yamuna &amp; Gang canal, which are quite fertile whereas, the district is also having large number of water logged area and patches of Usar Soils, which are mainly found in Chhata, Goverdhan &amp; Nandgaun blocks. <b>The Mathura district is having a serious problem of salty/brackish/oily water, which is not suitable for irrigation.</b></p> <p>The average rainfall of the district varies between 532-620 mm. The climate is generally characterized as hot &amp; dry during summers. The Max. temperature varies between 45-48 °C and the Min. temperature dips up to 2°C during winters. In Mathura Usars and Non-cultivable lands are mainly found in the Mathura &amp; Chhata blocks and in some parts of Raya blocks. The Max. area irrigated by canals in the blocks of Goverdhan, Chhata &amp; Nandgaon whereas, the Min. irrigation by canals is done in Sadabad block which is mainly irrigated by private tube-wells, because this block is having Min. amount of brackish water, whereas, Farah, Nandgaon &amp; Chhata blocks are having the Max. amount of brackish/salt affected water that is not suitable for irrigation.</p>

#### b) Topography

S. No.	Agro ecological situation	Characteristics
1	AES-1 (Naujheel, Manth, Raya & Baldev blocks)	Manth & Naujheel are be North Eastern part of the district and are bounded on the North & East by district Aligarh & on the West by river Yamuna. It has an area of 858.6 Sq. km with 253 in habited villages. The soils of this AES are loam, sandy loam and are generally fertile. Some parts in this AES are low lying where Paddy is cultivated in

		Kharif. This AES is mainly irrigated by Gang canal and quality of water is suitable for irrigation except few parts where saline water is available. The main crops of this AES are Paddy, Bajra, Til, Jawar, Mustard, Wheat, Barley and vegetable crops. Floriculture and some fruit crops are also grown.
2	AES-2 (Mathura, Farah, Chaumuha blocks)	This AES forms the Southwest parts of the district, which is bounded by, district Bharatpur (Raj.) on the West and Agra on the South. The total area of this AES is around 1059.3 Sq.km. with over 300 in habited villages and six towns. The soils of this AES are generally loam, sandy loam but not too fertile because of salinity & alkalinity. The quality of water is also varies and do not suitable for irrigation due to high concentration of salt. Some part of this AES are also affected with the spillover of oil from refinery in drainage and hence Bajra, Jawar, Mustard, Barley & Wheat.
3	AES-3 (Chhata, Goverdhan & Nandgaon)	This AES forms the Northwest part of the district and is bounded on the North by Faridabad (Haryana) district and the Yamuna on the East and by district Bharatpur (Raj.) on the West. It has an area of around 1052.60 Sq.km with over 150 in habited villages and 4 towns. The AES is semi waterlogged specially the areas in Chhata & Nandgaon. The soils are loam, sandy loam with some patches of Usar soils. The quality of water for irrigation is not good. Main crops of this AES are Sugarcane, Jawar, Paddy, Wheat & Mustard.

### 2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	YAMUNA- LOW LAND/ SEDIMENT SOIL	Immature, light sandy colour, coarse, silt loam to clay soils, low to medium salty with high concentration of water soluble salts, medium calcareous, water logged with medium to high water holding capacity, medium carbonic matter nitrogen and parental/soil fertility, responsive to fertilizer use.	108419
2	YAMUNA- UPLAND SOIL	Mature, brown-yellow to Red brown, loam, sandy to Sandy loam, Neutral to slightly salty with low water soluble salt, Non calcareous with good water drainage, low to medium water holding capacity, low carbonic matter, nitrogen and parental fertility, fully responsive to fertilizer use.	86896
3	YAMUNA-LAVELLED SOILS	Light sandy to brown sandy, Sandy loam to loam, Low salted with medium water-soluble salt, Upper layer is slightly calcareous which increases with the depth. Problematic drainage with small patches of land affected with soil salinity, medium water holding capacity and parental fertility, responsive to fertilizer use, generally with high water level.	102221
4	DE-GRADED/ INFERIOR SOIL	Sandy to dark Sandy and Olive sandy, Loam to silt clay with silt, hard and pasty De-graded soil, Medium salted with medium to high water soluble salt, high water holding capacity, blocked drainaged, lower layers of soil, calcareous, low to medium carbonic matter and medium, Nitrogen and parental fertility, responsive to fertilizer use.	30998

### 2.4. Area, Production and Productivity of major crops cultivated in the district (2021-22)

S. No	Crop	Area (ha)	Production (q.)	Productivity (q./ha.)
<b>A</b>	<b>Field crops including oilseeds &amp; pulses</b>			
<b>(I)</b>	<b>Kharif (2021)</b>			
1	Paddy	46667	83536	18.11

2	Bajra	37665	64576	17.18
3	Maize	109	336	30.82
4	Jawar (Sorghum)	24	24	10.06
5	Arhar (Pigeon pea)	1533	9550	7.46
6	Cotton	9975	149625	15.00
	<b>Oil seeds</b>			
8	Til (Seasamum)	339	38.00	1.13
	<b>Total (I)</b>	<b>96312</b>	<b>307685</b>	<b>99.76</b>
	<b>Rabi (2021-22)</b>			
<b>(II)</b>	<b>Cereals</b>			
1	Wheat	200421	7044800	35.15
2	Barley	3865	124990	32.34
3	Gram	29	550	18.97
4	Pea	1	23	23
	<b>Oilseed</b>			
1	Mustard	45267	887690	19.61
	<b>Total (II)</b>	<b>249583</b>	<b>8058053</b>	<b>129.07</b>
<b>(III)</b>	<b>Zaid (2022)</b>			
1	Moong	2600	5000	5.40
2	Urd	116	58	5.01
	<b>Total (III)</b>	<b>2716</b>	<b>5058</b>	<b>10.41</b>
	<b>Grand Total A (I+II+III)</b>	<b>348611</b>	<b>8370796</b>	<b>239.24</b>
<b>B.</b>	<b>Vegetables</b>	11834	-	-
	<b>Total (B)</b>	<b>11834</b>	<b>-</b>	<b>-</b>
	<b>G. Total (A+B)</b>	<b>360445</b>	<b>8370796</b>	<b>239.24</b>

## 2.5. Weather data (Jan-Dec. 2023)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (Average %)
		Maximum	Minimum	
<b>Total</b>	-	-	-	-

## 2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle	214236	65.725	3 lt/day
Buffalo	790792	340.893	5 lt/day
Sheep	53596	-	-
Goats	64681	9.16	-
Pigs	24637	-	-
Crossbred	53532	-	-
Indigenous	160704	-	-
Rabbits	-	-	-
Poultry	50419	37.138	-
Hens			
Desi	-	-	-
Category		<b>Production (Q.)</b>	<b>Productivity</b>
Fish (Reservoir)			

## 2.7 Details of Operational area / Villages



Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Mahavan	Baldeo	Bandi Cheoli Amirpur N. Asha Daghenta N. Vidhi Rawal Jarara	Bajra, Potato, Jawar, Wheat, Berseem, Til, Mustard, Veg. , Barley & AH	Weeds in crops Low productivity of Cereals, Oilseeds & Fodder Pest & disease in crops	Weed management, Balance use of fertilizers Use of micronutrient & liquid fertilizers Introduction of new HYV Pest & Disease management
	Raya	Karav	Paddy, Jawar, Wheat, Berseem, Til, Mustard , Barley & AH	Weeds in crops Low productivity of Cereals, Oilseeds & Fodder Pest & disease in crops	Weed management, Balance use of fertilizers Use of micronutrient & liquid fertilizers Introduction of new HYV Pest & Disease management
		Sihora N. Teja			
	Farah	Jhandipur	Bajra, Potato, Jawar, Wheat, Berseem, Til, Mustard, Veg. , Barley & AH	Weeds in crops Low productivity of Cereals, Oilseeds & Fodder Pest & disease in crops	Weed management, Balance use of fertilizers Use of micronutrient & liquid fertilizers Introduction of new HYV Pest & Disease management
		Hathiyoli			
		N. Chandrabhan			
Mathura	Mathura	Bati	Paddy, Bajra, Potato, Jawar, Wheat, Berseem, Til, Mustard Barley & AH	Weeds in crops Low productivity of Cereals, Oilseeds & Fodder Pest & disease in crops	Weed management, Balance use of fertilizers Use of micronutrient & liquid fertilizers Introduction of new HYV Pest & Disease management
		Jachonda			
Chhata	Chaumuhan	Bharatia	Bajra, Jawar, Wheat, Berseem, Til, Mustard, Barley & AH	Weeds in crops Low productivity of Cereals, Oilseeds & Fodder Pest & disease in crops	Weed management, Balance use of fertilizers Use of micronutrient & liquid fertilizers Introduction of new HYV Pest & Disease management
Chhata	Chhata	Khanpur Bhadawal	Paddy, Wheat	Burning of Paddy straw and low productivity	Weed management, Balance use of fertilizers Use of micronutrient & liquid fertilizers Introduction of new HYV Pest & Disease management and Crop Residue Management

## 2.8 Priority thrust areas

Sl.No.	Thrust Area
1	Improving productivity of oil seeds crops.
2	Weed management in crops
3	Promotion of IPNM & balance use of fertilizer
4	Promotion of IPM technology
5	Development of the technologies for the use of brackish water
6	Promotion of seed production
7	Organic farming
8	Soil testing & developing the soil health cards
9	Feeding of mineral mixture
10	Promoting Balance diet among rural masses
11	Promotion of fodder crops
12	Promotion of diversification
13	Promotion of vegetable crop
14	Protective cultivation of vegetables

15	Promotion of seed treatment
16	Promotion of fruit plant (Orchard)
17	Promoting de-worming in animals
18	Doubling farmers income
19	Integrated Farming System
20	Women Empowerment

### 3. TECHNICAL PROGRAMME

#### 3. A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
09	45	50	200

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2000	250	10000

Seed Production (Qtl.)	Planting material production (Nos.)	Fish seed prod. (Nos)	Soil Samples analyzed (Nos.)	Development of Soil Health Cards (Nos.)
(5)	(6)	(7)	(8)	(9)
200	20000	-	1000	3000

Quality seed distributed (q)	No. of saplings distributed (Nos.)	No. of fingerlings distributed (Nos.)	No. of livestock & poultry strains distributed (Nos.)
(10)	(11)	(12)	(13)
200	20000	-	-

#### 3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/Enterprises	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Weed management	Paddy	Low yield of Paddy due to heavy infestation of weeds	Assessment of new weedicide Eros Gold	-	Weed management in Paddy	Weed management in Paddy	Field day	Weedicide Eros Gold
2	Varietal Assessment	Paddy	Low yield of Paddy due to cultivation of old varieties	Assessment of newly released Paddy variety PB-1692	-	Scientific cultivation of scented Paddy	Scientific cultivation of scented Paddy	Field day	Seed of 1692
3	Varietal Assessment	Wheat	Low yield of wheat due to cultivation of old variety	Introduction of new wheat variety HD-3226	-	Scientific cultivation of Wheat	Scientific cultivation of Wheat	Field day	Seed of new Wheat variety HD-3226
4	Soil Health Management (IPNM)	Paddy	Low yield of Paddy due to cultivation of old variety	Assessment of newly released Paddy variety CS-60 tolerant for salinity	-	Scientific cultivation of salt tolerant variety Paddy	Scientific cultivation of salt tolerant variety Paddy	Field day	Seed of CS-60
5	Soil Health Management (IPNM)	Wheat	Low yield of Wheat due to cultivation of old variety	Assessment of newly released Wheat variety KRL-210 tolerant for salinity	-	Scientific cultivation of salt tolerant variety Wheat	Scientific cultivation of salt tolerant variety Wheat	Field day	Seed of KRL-210

6	Vegetable production	Okra	Low yield of Okra due to mosaic	Evaluation of mosaic resistant & HYV of Okra Pusa Bhindi-5 in Kharif	-	Importance of HYV of Okra	Scientific cultivation of Okra	Field day	Seed of Pusa Bhindi-5
7	Vegetable production	Bottle Gourd in Kharif	Low yield of Bottle gourd due to use of traditional varieties	Assessment of new HYV of Bottle gourd Kashi Ganga	-	Promotion Of Kashi ganga variety of Bottle Gourd	Yield enhancement	Field day	Seed of Kashi Gan
8	Vegetable production	Tomato	Poor quality & low productivity of Tomato	Performance of Kashi Adarsh variety of Tomato in Rabi	-	Importance of HYV	Importance of HYV	Field Day	Seed of Kashi Adarsh Variety
9	Vegetable production	Onion	Low yield & poor keeping quality	Assessment of HYV NHRDF RED-4 of Onion in Rabi	-	Scientific cultivation of Onion	Scientific cultivation of Onion	Field Day	Seed of NHRDF RED-4 variety of Onion
10	Soil Health Management	Paddy	High cost & doses of solid fertilizers	-	Introduction of water soluble NPK & Bio fertilizers on soil test basis	Efficient use of liquid fertilizer & bio-fertilizer	Importance of liquid fertilizer & bio-fertilizer	Field Day	Liquid fertilizers NPK & Bio-fertilizer
11	Productivity Enhancement	Paddy	Low yield of Paddy due to cultivation of old varieties	-	Cultivation of scented variety 1509	Scientific cultivation of scented Paddy	Scientific cultivation of scented Paddy	Field day	Seed of 1509
12	Varietal Assessment	Bajra	Low yield of Bajra due to use of composite variety	-	Varietal Performance	Performance of hybrid variety Kaveri boss	Performance of hybrid variety Kaveri boss	Field day	New variety Kaveri boss
13	Productivity Enhancement	Mustard	Low yield of Mustard due to cultivation of old variety	-	Cultivation of new variety RH-725	Scientific cultivation of Mustard	Scientific cultivation of Mustard	Field day	Seed of new Mustard variety RH-725
14	Productivity Enhancement	Wheat	Low yield of wheat due to cultivation of old variety	-	Cultivation of new variety HD-2967 or HD-3086	Scientific cultivation of Wheat	Scientific cultivation of Wheat	Field day	Seed of new Wheat variety HD-2667 or HD 3086
15	Productivity Enhancement	Greengram	Low yield of Greengram due to cultivation of old variety	-	Cultivation of new variety Shikha	Scientific cultivation of Greengram	Scientific cultivation of Greengram	Field day	Seed of new Greengram variety Shikha
16	Soil Health Management	Wheat	High cost & doses of solid fertilizer	-	Introduction of water soluble NPK & Bio fertilizers on soil test basis	Efficient use of liquid fertilizer & bio-fertilizer	Importance of liquid fertilizer & bio-fertilizer	Field Day	Liquid fertilizers NPK & Bio-fertilizer
17	Vegetable production	Brinjal	Low yield of Brinjal due to cultivation of traditional variety	-	Performance of new Brinjal variety Kashi Vaibhav	Promotion of new Brinjal variety Kashi Vaibhav	Productivity enhancement in Brinjal	Field day	Seed of Kashi Vaibhav
18	Vegetable production	Cabbage Pusa hybrid 81	Low yield of cabbage due to cultivation of traditional variety	-	Performance of new cabbage variety Pusa hybrid 81	Promotion of new cabbage variety Pusa hybrid 81	Productivity enhancement in Cabbage	Field day	Seed of Pusa hybrid 81

### 3.1 Technologies to be assessed and refined

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietals Evaluation	1	-	-	-	-	-	-	-	-	1

Weed Management	1	-	-	-	-	-	-	-	-	1
Integrated Crop Management	2	1	-	-	1	-	-	-	-	4
Integrated Nutrient Management	2	-	-	-	1	-	-	-	-	3
Drudgery reduction	2	-	-	-	-	-	-	-	-	2
Post harvest technology	2	-	-	-	-	-	-	-	-	2
Value addition	-	-	-	-	1	-	-	-	-	1
Integrated Pest Management	-	-	-	-	1	-	-	-	-	1
Integrated Disease Management	2	-	-	1	-	-	-	-	-	3
<b>TOTAL</b>	<b>12</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>18</b>

**A.2. Abstract on the number of technologies to be refined in respect of crops**

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietals Evaluation	1	-	-	-	-	-	-	-	-	1
Weed Management	1	-	-	-	-	-	-	-	-	1
Integrated Crop Management	2	1	-	-	1	-	-	-	-	4
Integrated Nutrient Management	2	-	-	-	1	-	-	-	-	3
Post Harvest technology	2	-	-	-	-	-	-	-	-	2
Drudgery reduction	2	-	-	-	-	-	-	-	-	2
Value addition	-	-	-	-	1	-	-	-	-	1
Integrated Pest Management	-	-	-	-	1	-	-	-	-	1
Integrated Disease Management	2	-	-	1	-	-	-	-	-	3
<b>TOTAL</b>	<b>12</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>18</b>

**A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises**

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
<b>Total</b>	-	-	-	-	-	-	-	-

**A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises**

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
<b>Total</b>	-	-	-	-	-	-	-	-

## B. Details of On Farm Trials to be conducted during Kharif 2023

### OFT-1 Thematic Area-Weed Management (Paddy)

Particulars	Contents
<b>Title</b>	Assessment of new weedicide EROS Gold (Pretilachlor 30 % +Pyrazosulfuron Ethyl 0.75 % WG) in Paddy
<b>Problem diagnosed</b>	Low yield of Paddy due to heavy infestation of weed
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1:</b> Use of bispyribeg sodium ( <b>Farmers Practice</b> ) <b>T2:</b> EROS Gold (Pretilachlor 30 % +Pyrazosulfuron Ethyl 0.75 % WG) @ 2 kg/ha.
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	EROS Gold (Pretilachlor 30 % +Pyrazosulfuron Ethyl 0.75 % WG)
<b>Production system</b>	Moong-Paddy, Fellow-Paddy
<b>Source of technology</b>	IARI, New Delhi
<b>Total Cost</b>	3000.00
<b>Observation to be recorded</b>	Control of weeds per sqm.
<b>Reaction of the farmers</b>	Acceptability

### OFT-2 Thematic Area-Varietal Evaluation (Paddy) (Kharif -2023)

Particulars	Contents
<b>Title</b>	Assessment of newly released Paddy variety PB-1692
<b>Problem diagnosed</b>	Low yield of Paddy due to cultivation of old varieties viz PB-1509, 1121
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1:</b> Cultivation of PB-1509, 1121 ( <b>Farmers Practice</b> ) <b>T2:</b> Introduction of newly released Paddy variety PB-1692
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Seed of PB-1692 (Year of release: 2019)
<b>Production system</b>	Bajra-Wheat Jawar-Wheat
<b>Source of technology</b>	IARI, PUSA, New Delhi
<b>Total Cost</b>	3000.00
<b>Observation to be recorded</b>	Yield q/ha
<b>Reaction of the farmers</b>	Acceptability

### OFT-3 Thematic Area-Varietal Evaluation (Rabi 2023-24)

Particulars	Contents
<b>Title</b>	Assessment of newly released Wheat variety HD-3226
<b>Problem diagnosed</b>	Low yield of Wheat due to cultivation of old varieties viz PBW-505, PBW-343
<b>Micro farming situation</b>	Irrigated

<b>Details of technology identified for solution</b>	<b>T1:</b> Cultivation of PBW-505, PBW-343 ( <b>Farmers Practice</b> ) <b>T2:</b> Introduction of newly released Wheat variety HD-3226
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Seed of HD-3226 (Year of release: 2019)
<b>Production system</b>	Bajra-Wheat Jawar-Wheat
<b>Source of technology</b>	IARI, New Delhi
<b>Total Cost</b>	4000.00
<b>Observation to be recorded</b>	Yield q/ha
<b>Reaction of the farmers</b>	Acceptability

#### OFT-4 Thematic Area-Varietal Evaluation (Kharif -2023)-Soil Science

Particulars	Contents
<b>Title</b>	Assessment of newly released Paddy variety CSR-60 suitable for saline soil.
<b>Problem diagnosed</b>	Low yield of Paddy due to cultivation of traditional varieties viz PB-1509, 1121
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1:</b> Cultivation of PB-1509, 1121 ( <b>Farmers Practice</b> ) <b>T2:</b> Introduction of newly released Paddy variety CSR-60 tolerant against salinity
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Seed of CSR-60 (Year of release: 2019)
<b>Production system</b>	Bajra-Wheat Jawar-Wheat
<b>Source of technology</b>	CSSRI, Karnal/Lucknow
<b>Total Cost</b>	3000.00
<b>Observation to be recorded</b>	Yield q/ha
<b>Reaction of the farmers</b>	Acceptability

#### OFT-5 Thematic Area-Varietal Evaluation (Rabi 2023-24)-Soil Science

Particulars	Contents
<b>Title</b>	Assessment of newly released Wheat variety KRL-210
<b>Problem diagnosed</b>	Low yield of Wheat due to cultivation of old varieties viz PBW-505, PBW-343
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1:</b> Cultivation of PBW-505, PBW-343 ( <b>Farmers Practice</b> ) <b>T2:</b> Introduction of newly released Wheat variety KRL-210
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Seed of KRL-210 (Year of release: 2018)
<b>Production system</b>	Bajra-Wheat Jawar-Wheat
<b>Source of technology</b>	CSSRI, Karnal

<b>Total Cost</b>	4000.00
<b>Observation to be recorded</b>	Yield q/ha
<b>Reaction of the farmers</b>	Acceptability

#### OFT-6 Varietal Evaluation (Kharif 2023)

Particulars	Contents
<b>Title</b>	Assessment of mosaic resistant and high yielding variety of Okra-Kashi Shristi
<b>Problem diagnosed</b>	Low yield of Okra due to high infestation of yellow vein mosaic virus
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1:</b> NS-862 ( <b>Farmers Practice</b> ) <b>T2:</b> Seed of Kashi Shristi variety resistant to YVMV and OLCV
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Seed of Kashi Shristi (Year of released: 2019)
<b>Production system</b>	Potato-Okra
<b>Source of technology</b>	IIVR, Varansi
<b>Total Cost</b>	3000.00
<b>Observation to be recorded</b>	No. of infested plants per sqm, Fruits yield / ha.
<b>Reaction of the farmers</b>	Affordability, Acceptability & Availability

#### OFT-7 Varietal Evaluation (Kharif-2023)

Particulars	Contents
<b>Title</b>	Assessment of high yielding variety of Bottle Gourd in Kharif season
<b>Problem diagnosed</b>	Low yield and poor quality
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1:</b> Varun-Rasi seed ( <b>Farmers Practice</b> ) <b>T2:</b> Seed of Kashi Ganga
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Seed of Kashi Ganga Variety (Year of released: 2016)
<b>Production system</b>	Wheat-Bottle Gourd
<b>Source of technology</b>	IIVR, Varansi (U.P.)
<b>Total Cost</b>	3000.00
<b>Observation to be recorded</b>	Yield q/ha. B/C ratio
<b>Reaction of the farmers</b>	Affordability, Acceptability & Availability

#### OFT-8 Varietal Evaluation (Rabi 2023-24)

Particulars	Contents
<b>Title</b>	Assessment of Kashi Adarsh variety of Tomato in Rabi
<b>Problem diagnosed</b>	Poor quality & Low productivity of Tomato

<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1: Arka Vikas (Farmers Practice)</b> <b>T2: Seed of Kashi Adarsh Variety of Tomato</b>
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Seed of Kashi Adarsh Variety (Year of released: 2016)
<b>Production system</b>	Tomato-Wheat
<b>Source of technology</b>	IIVR, Varansi (U.P.)
<b>Total Cost</b>	3000.00
<b>Observation to be recorded</b>	Yield q./ha, B/C Ratio
<b>Reaction of the farmers</b>	Affordability, Acceptability & Availability

### OFT-9 Varietal Evaluation (Rabi 2023-24)

Particulars	Contents
<b>Title</b>	Assessment of high yielding variety of Onion in Rabi season in cropping system
<b>Problem diagnosed</b>	Low yield and poor keeping quality
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1: N-53 (Farmers Practice)</b> <b>T2: Seed of NHRDF Red-4</b>
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Seed of NHRDF Red-4 Variety (Year of released: 2016)
<b>Production system</b>	Wheat-Bajra-Onion
<b>Source of technology</b>	NHRDF, Nasik
<b>Total Cost</b>	3000.00
<b>Observation to be recorded</b>	Yield q/ha., B/C ratio
<b>Reaction of the farmers</b>	Affordability, Acceptability & Availability

### 3.2 Frontline Demonstrations

A. Details of FLDs to be organized (Based on soil test analysis)-

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmer/ Demon	Parameters identified
1	Bajra	Pro-agro 9180	Productivity enhancement	New variety Pro-agro 9180	Seed	Kharif 2023	5	12	Yield q./ha.
2	Paddy	PB 1509	Productivity enhancement	Performance of Paddy variety PB 1509	Seed	Kharif 2023	5	12	Yield q./ha.
3	Brinjal	Pusa Vaibhav	Varietal evaluation	New variety	Seed	Kharif 2023	4	10	Yield
4	Cabbage	Pusa hybrid 81	Varietal evaluation	Performance of newly released cabbage variety Pusa hybrid 81	Seed	Rabi-2023-24	4	10	Yield q./ha.
5	Paddy	PB-1509	Soil health management	Management of nutrient in paddy crop through bio-fertilizer	Bio-fertilizer	Kharif 2023	4	10	Yield
6	Wheat	HD-3086	Soil health management	To study the response of foliar, NPK in wheat	Soluble NPK and Zinc	Rabi 2023-24	4	10	Yield
7	Mustard	RH-725	Productivity	Performance of Mustard	Seed+	Rabi	50	125	Yield q./ha.



			enhancement	variety RH-725	Bio-fertilizer	2023-24			
8	Wheat	HD-3086	Varietal evaluation	Performance of newly released Wheat variety HD-3086	Seed	Rabi 2023-24	5	12	Yield q./ha.
9	Black gram	RVG-202	Varietal evaluation	Performance of newly released Wheat variety Shikha	Seed	Zaid 2024	10	25	Yield q./ha.
					<b>Total</b>				-

## B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	3	Aug, Jan & Feb	150
2	Farmers Training	4	May, Sep & Oct.	80
3	Media coverage	-	-	-
4	Training for extension functionaries	3	May, Sep & Oct.	45

## C. Details of FLD on Enterprises

### (i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators

### (ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Livestock production and management					
Livestock production and management					

## 3.3 Training (Including the sponsored and FLD training programmes):

### ON Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	4	66	0	66	8	0	8	74
Resource Conservation Technologies	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0
Integrated Farming	2	32	0	32	8	0	8	40
Water management	1	17	0	17	1	0	1	18
Seed production	0	0	0	0	0	0	0	0
Nursery management of Paddy	2	32	0	32	8	0	8	40
Integrated Crop Management	2	32	0	32	8	0	8	40
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
<b>Total</b>	<b>11</b>	<b>179</b>	<b>0</b>	<b>179</b>	<b>33</b>	<b>0</b>	<b>33</b>	<b>212</b>

<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	1	18	0	18	2	2	2	20
Off-season vegetables	1	15	2	17	3	0	3	20
Nursery raising	1	16	4	20	3	2	5	25
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	1	16	4	20	3	2	5	25
Protective cultivation (Green Houses, Shade Net etc.)	1	15	0	15	1	0	1	16
<b>b) Fruits</b>	0	0	0	0	0	0	0	0
Training and Pruning	1	14	2	16	3	1	4	20
Layout and Management of Orchards	1	16	0	16	4	0	4	20
Cultivation of Fruit	0	0	0	0	0	0	0	0
Management of young plants/orchards	1	10	3	13	5	2	7	20
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Export potential fruits	1	16	0	16	0	0	0	16
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0
Plant propagation techniques	1	14	2	16	3	1	4	20
<b>c) Ornamental Plants</b>	0	0	0	0	0	0	0	0
Nursery Management	1	20	2	22	3	0	3	25
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
<b>d) Plantation crops</b>	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
<b>e) Tuber crops</b>	0	0	0	0	0	0	0	0
Production and Management technology	1	15	2	17	5	3	8	25
Processing and value addition	0	0	0	0	0	0	0	0
<b>f) Spices</b>	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
<b>g) Medicinal and Aromatic Plants</b>	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
<b>Total</b>	<b>12</b>	<b>185</b>	<b>21</b>	<b>206</b>	<b>35</b>	<b>13</b>	<b>46</b>	<b>252</b>
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	2	26	6	32	4	1	5	37
Soil and Water Conservation	2	26	6	32	4	1	5	37
Integrated Nutrient Management	1	13	2	15	4	1	5	20
Production and use of organic inputs	1	13	2	15	4	1	5	20
Management of Problematic soils	1	13	2	15	4	1	5	20
Micro nutrient deficiency in crops	2	27	6	33	4	1	5	38
Nutrient Use Efficiency	1	13	2	15	4	1	5	20
Soil and Water Testing	1	13	2	15	4	1	5	20
<b>Total</b>	<b>11</b>	<b>144</b>	<b>28</b>	<b>172</b>	<b>32</b>	<b>8</b>	<b>40</b>	<b>212</b>
<b>IV Livestock Production and Management</b>								
<b>Total</b>								
<b>V Home Science/Women empowerment</b>								
<b>Total</b>								
<b>VI Agril. Engineering</b>								
<b>VII Plant Protection</b>								
<b>VIII Fisheries</b>								
<b>IX Production of Inputs at site</b>								
<b>X Capacity Building and Group Dynamics</b>								
<b>XI Agro-forestry</b>								
<b>Total</b>								
<b>Total (A)</b>	<b>34</b>	<b>508</b>	<b>49</b>	<b>557</b>	<b>100</b>	<b>21</b>	<b>119</b>	<b>676</b>
<b>B) RURAL YOUTH</b>								
Mushroom Production	0	0	0	0	0	0	0	0
Bee-keeping	1	17	0	17	0	0	0	17
Integrated farming	0	0	0	0	0	0	0	0
Seed production	1	8	0	8	2	0	2	10
Production of organic inputs	1	17	0	17	0	0	0	17
Integrated Farming (Medicinal)	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0
Vermi-culture	1	8	0	8	2	0	2	10

Sericulture	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	1	8		8	2		2	10
Training and pruning of orchards	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
<b>Total(B)</b>	<b>5</b>	<b>58</b>	<b>0</b>	<b>58</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>64</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	2	39		39	5	0	5	44
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Nutrient management	1	20	0	20	5	0	5	25
Rejuvenation of old orchards	1	20	0	20	5	0	5	25
Protected cultivation technology	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0
<b>Total (C)</b>	<b>4</b>	<b>79</b>	<b>0</b>	<b>79</b>	<b>15</b>	<b>0</b>	<b>15</b>	<b>94</b>
<b>G. Total</b>	<b>43</b>	<b>645</b>	<b>49</b>	<b>694</b>	<b>121</b>	<b>21</b>	<b>140</b>	<b>834</b>

#### A) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	4	66	0	66	8	0	8	74
Resource Conservation Technologies	2	30	0	30	4	0	4	34
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	1	18	0	18	0	0	0	18
Integrated Farming	2	32	0	32	8	0	8	40
Water management	3	48	0	48	12	0	12	60
Seed production	1	15	0	15	4	0	4	19

Nursery management	1	16	0	16	4	0	4	20
Integrated Crop Management	2	36	0	36	7	0	7	43
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
<b>Total</b>	<b>16</b>	<b>261</b>	<b>0</b>	<b>261</b>	<b>47</b>	<b>0</b>	<b>47</b>	<b>308</b>
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	2	30	0	30	4	0	4	34
Off-season vegetables	1	15	2	17	3	0	3	20
Nursery raising	1	16	4	20	3	2	5	25
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	1	16	4	20	3	2	5	25
Protective cultivation (Green Houses, Shade Net etc.)	1	20	2	22	3	0	3	25
<b>b) Fruits</b>								
Training and Pruning	1	14	2	16	3	1	4	20
Layout and Management of Orchards	1	16	0	16	4	0	4	20
Cultivation of Fruit	1	18	2	20	4	1	5	25
Management of young plants/orchards	1	10	3	13	5	2	7	20
Rejuvenation of old orchards	1	17	1	18	7	0	7	25
Export potential fruits	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	1	15	4	19	1	0	1	20
Plant propagation techniques	1	16	2	18	5	2	7	25
<b>c) Ornamental Plants</b>								
Nursery Management	1	20	2	22	3	0	3	25
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
<b>d) Plantation crops</b>								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
<b>e) Tuber crops</b>								
Production and Management technology	1	15	2	17	5	3	8	25
Processing and value addition	0	0	0	0	0	0	0	0
<b>f) Spices</b>								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
<b>Total</b>	<b>15</b>	<b>238</b>	<b>30</b>	<b>268</b>	<b>53</b>	<b>13</b>	<b>66</b>	<b>334</b>
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	2	30	2	32	4	1	5	37
Soil and Water Conservation	2	30	2	32	4	1	5	37
Integrated Nutrient Management	2	30	2	32	4	1	5	37
Production and use of organic inputs	1	13	2	15	4	1	5	20
Management of Problematic soils	1	13	2	15	4	1	5	20
Micro nutrient deficiency in crops	2	26	4	30	8	2	10	40
Nutrient Use Efficiency	1	13	2	15	4	1	5	20
Soil and Water Testing	1	13	2	15	4	1	5	20
<b>Total</b>	<b>12</b>	<b>168</b>	<b>18</b>	<b>186</b>	<b>36</b>	<b>9</b>	<b>45</b>	<b>231</b>
<b>IV Livestock Production and Management</b>								
<b>V Home Science/Women empowerment</b>								
<b>Total</b>								
<b>VI Agril. Engineering</b>								
<b>VII Plant Protection</b>								
<b>VIII Fisheries</b>								
<b>IX Production of Inputs at site</b>								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	3	52	0	52	8	0	8	60
Group dynamics	1	18	0	18	2	0	2	20

Formation and Management of SHGs(HS)	3	52	0	52	8	0	8	60
Mobilization of social capital	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths (Agro.)	3	52	0	52	8	0	8	60
WTO and IPR issues	0	0	0	0	0	0	0	0
<b>Total</b>	<b>10</b>	<b>174</b>	<b>0</b>	<b>174</b>	<b>26</b>	<b>0</b>	<b>26</b>	<b>200</b>
<b>XI Agro-forestry</b>								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL(A)</b>	<b>53</b>	<b>841</b>	<b>48</b>	<b>889</b>	<b>162</b>	<b>22</b>	<b>184</b>	<b>1073</b>
<b>(B) RURAL YOUTH</b>								
<b>TOTAL(B)</b>								
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	2	38	0	38	5	0	5	43
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Nutrient management	1	20	0	20	5	0	5	25
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Protected cultivation technology	1	20	0	20	5	0	5	25
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0
<b>TOTAL(C)</b>	<b>4</b>	<b>78</b>	<b>0</b>	<b>78</b>	<b>15</b>	<b>0</b>	<b>15</b>	<b>93</b>
<b>G Total</b>	<b>57</b>	<b>919</b>	<b>48</b>	<b>967</b>	<b>177</b>	<b>22</b>	<b>199</b>	<b>1166</b>

**C) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	8	132	0	132	16	0	16	148
Resource Conservation Technologies	2	30	0	30	4	0	4	34
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	1	18	0	18	0	0	0	18
Integrated Farming	4	64	0	64	16	0	16	80
Water management	4	65	0	65	13	0	13	78
Seed production	1	15	0	15	4	0	4	19
Nursery management	3	48	0	48	12	0	12	60
Integrated Crop Management	4	68	0	68	15	0	15	83
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
<b>Total</b>	<b>27</b>	<b>440</b>	<b>0</b>	<b>440</b>	<b>80</b>	<b>0</b>	<b>80</b>	<b>520</b>
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	3	48	0	48	6	2	6	54
Off-season vegetables	2	30	4	34	6	0	6	40
Nursery raising	2	32	8	40	6	4	10	50
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	2	32	8	40	6	4	10	50
Protective cultivation (Green Houses, Shade Net etc.)	2	35	2	37	4	0	4	41
<b>b) Fruits</b>								
Training and Pruning	2	28	4	32	6	2	8	40

Layout and Management of Orchards	2	32	0	32	8	0	8	40
Cultivation of Fruit	1	18	2	20	4	1	5	25
Management of young plants/orchards	2	20	6	26	10	4	14	40
Rejuvenation of old orchards	1	17	1	18	7	0	7	25
Export potential fruits	1	16	0	16	0	0	0	16
Micro irrigation systems of orchards	1	15	4	19	1	0	1	20
Plant propagation techniques	2	30	4	34	8	3	11	45
<b>c) Ornamental Plants</b>	0	0	0	0	0	0	0	0
Nursery Management	2	40	4	44	6	0	6	50
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
<b>d) Plantation crops</b>	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
<b>e) Tuber crops</b>	0	0	0	0	0	0	0	0
Production and Management technology	2	30	4	34	10	6	16	50
Processing and value addition	0	0	0	0	0	0	0	0
<b>f) Spices</b>	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
<b>g) Medicinal and Aromatic Plants</b>	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
<b>Total</b>	<b>27</b>	<b>423</b>	<b>51</b>	<b>474</b>	<b>88</b>	<b>26</b>	<b>112</b>	<b>586</b>
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	4	56	8	64	8	2	10	74
Soil and Water Conservation	4	56	8	64	8	2	10	74
Integrated Nutrient Management	3	43	4	47	8	2	10	57
Production and use of organic inputs	2	26	4	30	8	2	10	40
Management of Problematic soils	2	26	4	30	8	2	10	40
Micro nutrient deficiency in crops	4	53	10	63	12	3	15	78
Nutrient Use Efficiency	2	26	4	30	8	2	10	40
Soil and Water Testing	2	26	4	30	8	2	10	40
<b>Total</b>	<b>23</b>	<b>312</b>	<b>46</b>	<b>358</b>	<b>68</b>	<b>17</b>	<b>85</b>	<b>443</b>
<b>IV Livestock Production and Management</b>								
<b>Total</b>								
<b>V Home Science/Women empowerment</b>								
<b>TOTAL</b>								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	3	52	0	52	8	0	8	60
Group dynamics	1	18	0	18	2	0	2	20
Formation and Management of SHGs(HS)	3	52	0	52	8	0	8	60
Mobilization of social capital	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths (Agro.)	3	52	0	52	8	0	8	60
WTO and IPR issues	0	0	0	0	0	0	0	0
<b>Total</b>	<b>10</b>	<b>174</b>	<b>0</b>	<b>174</b>	<b>26</b>	<b>0</b>	<b>26</b>	<b>200</b>
<b>Total (A)</b>	<b>87</b>	<b>1349</b>	<b>97</b>	<b>1446</b>	<b>262</b>	<b>43</b>	<b>303</b>	<b>1749</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	0	0	0	0	0	0	0	0
Bee-keeping	1	17	0	17	0	0	0	17
Integrated farming	0	0	0	0	0	0	0	0
Seed production	1	8	0	8	2	0	2	10
Production of organic inputs	1	17	0	17	0	0	0	17
Planting material production	0	0	0	0	0	0	0	0
Vermi-culture	1	8	0	8	2	0	2	10
Sericulture	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	1	8	0	8	2	0	2	10
Training and pruning of orchards	0	0	0	0	0	0	0	0

Value addition	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>5</b>	<b>58</b>	<b>0</b>	<b>58</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>64</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	4	77	0	77	10	0	10	87
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Nutrient management	2	40	0	40	10	0	10	50
Rejuvenation of old orchards	1	20	0	20	5	0	5	25
Protected cultivation technology	1	20	0	20	5	0	5	25
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>8</b>	<b>157</b>	<b>0</b>	<b>157</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>187</b>
<b>G. Total</b>	<b>100</b>	<b>1564</b>	<b>97</b>	<b>1661</b>	<b>298</b>	<b>43</b>	<b>339</b>	<b>2000</b>

### 3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	6	285	25	310	22	-	22	307	25	332
Kisan Mela	1	410	40	450	25	-	25	435	40	475
Kisan Ghosthi	5	400	50	450	50	-	50	450	50	500
Exhibition	1	1200	150	1350	80	-	80	1280	150	1430
Group meetings	20	200	20	220	20	-	20	220	20	240
Lectures delivered as resource persons	50	-	-	-	-	-	-	-	-	50
Newspaper coverage	50	-	-	-	-	-	-	-	-	50
Radio talks	15	-	-	-	-	-	-	-	-	15

TV talks	6	-	-	-	-	-	-	-	-	6
Extension Literature	8	-	-	-	-	-	-	-	-	8
<b>Advisory Services</b>										
Scientific visit to farmers field	50	50	10	60	20	-	20	70	10	80
Farmers visit to KVK	200	200	-	200	40	-	40	240	-	240
Diagnostic visits	20	20	-	20	5	-	5	25	-	25
Soil health Camp	1	200	50	250	-	-	-	200	50	250
Animal Health Camp	1	70	25	95	1	-	1	71	25	96
Agri mobile clinic										
Soil test campaigns	2	150	-	150	20	-	20	170	-	170
Celebration of important days (specify)	4	400	100	500	50	-	50	450	100	550
Pre Kharif workshop	1	100	25	125	10	-	10	110	25	135
Pre Rabi workshop	1	100	25	125	10	-	10	110	25	135
Soil Health Cards Distribution	-	2500	500	3000	-	-	-	2500	500	3000
Jal Shakti Mission	10	1265	212	1487	190	-	190	1455	212	1667
CRM	10	1410	240	1650	180	-	180	1590	240	1830
<b>Total</b>	<b>462</b>	<b>8960</b>	<b>1472</b>	<b>10442</b>	<b>723</b>	<b>-</b>	<b>723</b>	<b>9683</b>	<b>1472</b>	<b>11284</b>

### 3.5 Target for Production and supply of Technological products SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (q.)
<b>CEREALS</b>	Wheat	HD-3086	500
<b>OILSEEDS</b>	Til	Tarun	10
<b>PULSES</b>			
<b>VEGETABLES</b>			
<b>OTHERS (Specify)</b>			

### PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>FRUITS</b>	Papaya	Pusa Dwarf	500
	Guava	Lalit	500
	Aonla	N-7	500
	Ber	Umran	500
	Bel	-	500
<b>SPICES</b>			
<b>VEGETABLES</b>	Brinjal	Nav Kiran	4000
	Tomato	Pusa Rohini	4000
	Cauliflower	PSKBT-25	4000
	Cabbage	KGMR-1	4000
	Chilli	Pusa Jwala	4000
<b>FOREST SPECIES</b>	Moringa	PKM-2	1000



ORNAMENTAL CROPS	Marigold	Pusa Narangi	3000
		<b>Total</b>	<b>26500</b>

### Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>				
1	Vermi-compost			1000 Kg.
2	NADEP			1500 Kg.

### LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
	Cattle			
	GOAT			
	SHEEP			
	POULTRY			
	Pig farming			
	FISHERIES			

### 3.6. Literature to be Developed/Published

#### (A) KVK News Letter (Month wise calendar of important activities)

Date of start : 1<sup>st</sup> of every month (12 issued)  
Number of copies to be published : 100 per issue

#### (B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	-
2	Technical reports	40
3	News letters	4
4	Training manual all discipline	6
5	Popular article	10
6	Extension literature	4000
	<b>Total</b>	<b>4060</b>

#### (C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	CD	For reports and actions plans and other technical reports	10

### 3.7. Success stories/Case studies identified for development as a case. - 1

a. Brief introduction

- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
  - i) Social economic
  - ii) Bio-Physical
- f. Good Action Photographs

**3.8 Indicate the specific training need analysis tools/methodology followed for**

**Practicing Farmers**

- a) PRA
- b) Training on scientific cultivation of different crops.
- c) Moisture conservation
- d) Training on Integrated Pest Management in different crops.

**Rural Youth**

- a) PRA, Identification of leadership qualities, group discussion their past back grounds, caste qualification and their interest.
- b) Seed production technique of cereals & oilseeds.
- c) Seed production technique of vegetables crops.
- d) Soil Health management.
- e) Dairy management.

**In-service personnel**

- a) By making schedule of preferences, attitude and as per the need of the district.
- b) Training on skill development.
- c) Training on change in their attitude.

**3.9 Indicate the methodology for identifying OFTs/FLDs**

**For OFT :**

- i) PRA
- ii) Problem identified from Matrix
- iii) Field level observations
- iv) Farmer group discussions
- v) Others if any

**For FLD :**

- i) New variety/technology
- ii) Poor yield at farmers level
- iii) Existing cropping system
- iv) Others if any

**3.10 Field activities**

- i. Name of villages identified/adopted with block name (from which year) :
- ii. No. of farm families selected per village : iii. No. of survey/PRA conducted :
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

**3.11. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab : **Working**

1. **Year of establishment** : **2005-06**

**2. List of equipments purchase with amount**

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Spectrophotometer	01	44000.00
2	Flame photometer	01	48000.00
3	pH meter	01	11400.00
4	Conductivity bridge	01	16000.00

5	Chemical balance	01	49500.00
6	Water distillation still	01	49000.00
7	Kjeldahl digestion& distillation	02	56400.00
8	Shaker	02	23600.00
9	Refrigerator	01	17500.00
10	Oven	01	15000.00
11	Hot plate	01	24600.00
12	Grinder	01	29000.00
13	Physical balance	01	9400.00
14	Chemicals & glass ware	-	250000.00
15	Others (P-city items)	-	20000.00
16	Water distillation unit	01	14500.00
17	Mini Soil Lab (Yr. 2016-17)	01	90300.00
	<b>Total</b>	-	<b>677900.00</b>

### 3.Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	1000	3000	-	7000
Water	50	45	-	-
Plant	-	-	-	-
<b>Total</b>	<b>1050</b>	<b>3045</b>	<b>-</b>	<b>7000</b>

## 4.0 LINKAGES

### 4.1 Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1	Deptt. of Agriculture, Govt. of U.P.	Training, Meeting & Other advisory services
2	Deptt. of Horticulture, Govt. of U.P.	Training, Meeting & Other advisory services
3	Soil conservation	Training
4	Cooperative	Gosthi & Training
5	IFFCO	Gosthi & Training
6	KRIBHCO	Gosthi & Training
7	U.P.Agro	Training
8	NIRPHAD (NGO)	Training & Gosthi
9	Banks	Training, Meeting
10	CIRG	Meeting & Training

### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No Yes

S. No.	Programme	Nature of linkage
1	Training	Resource Person
2	Demonstration	Technical
3	Interaction	Technical

### 4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Training	Resource Person
2		

### 4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		
2		

### 5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1		
2		
	<b>Total</b>	

**6.0 Convergence with departments :**

**7.1. Details of the programmes being implemented by your KVK in partnership with other institution**

S. No.	Name of Programme	Main Institution (IARI, DBT, DST, UPCAR, etc.)	Duration	Budget (in lakh)
1	Breeder seed production of Wheat	IARI New Delhi	Since 2014 to till date	-

**7.2. Brief achievements of above collaborative programmes**

S. No.	Name of Programme	Salient achievement	Impact of the programme
1	Breeder seed production of Wheat	Supplementation of produced seed to IARI Hub for National seed requirement	The produced seed is made available to farmers/University/agencies for further multiplication

**8. Achievements (Both Technical and physical) of sponsored programmes (As applicable to your KVK) during the reporting period (Jan-Dec.,2023)**

S. No.	Name of Programme	Detailed Technical Achievements	Physical (infrastructural achievement)
1	TSP Project		
2	ARYA Project		
3	CFLD-NFSM Project		
	i. Kharif season		
	ii. Rabi season		
	iii. Summer season		
4	CSISA Project		
5	NICRA Project		
6	Soil Health Card		
7	CRM		
8	Other (please specify)		
	<b>Total</b>		

**7.0 Feedback of the farmers about the technologies demonstrated and assessed :**

**8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:**

**ACTION PLAN FOR SOIL TESTING & SOIL HEALTH CARD**

Year: 2023 (Jan. 2023 to Dec., 2023)

Sl.No.	Activity	Numbers
1	No. of Soil sample to be tested	1000
2	No. of Soil health cards to be distributed	3000
3	No. of villages to be covered	4
<b>Activities to be conducted</b>		
1	Trainings to be conducted	19
2	Promotion of liquid fertilizer	2
3	Celebration of soil health day	1
4	Soil health awareness camp	2
5	Mobilization of students for collecting soil samples	2
6	Analyzing fertilizer use and reduction in cost of cultivation	1

**ACTION PLAN FOR INTEGRATED FARMING SYSTEM (IFS) MODEL****Year: 2023 (Jan. 2023 to Dec., 2023)**

<b>Modules/Models</b>	<b>Details of module/model</b>	<b>% of total area</b>
Cropping systems	Pearl millet-Potato-Cucurbits Pearl millet-mustard/wheat-Green Gram/cotton Tomato/Brinjal/Chilli-Mustard-Cotton/Black Gram Paddy/Sorghum-Cauliflower/Cabbage-Jowar Fodder Paddy-Wheat-Green Gram/Cotton Pearl millet-Wheat/Potato-Green gram/fodder Fallow-Mustard/Potato-Green Gram/Fodder	55
Dairy	8 Heifers of Sahiwal	15
Backyard Poultry	Chebro bird (20 nos.)	1
Agri-Horti System	Guava, Aonla, Ber, Bael, Papaya, intercropped with vegetables	15
Development of Orchard	Citrus	5
Vermi-compost & NADEP Unit	Recycling of wastes and also for sale	2
Agro-forestry	Multipurpose trees viz. Sesum, Neem, Papri, Jamun, Arjun	5
Mushroom	Cultivation of button mushroom	1
Beekeeping	08 Boxes	1
	<b>Total</b>	<b>100</b>