कार्य योजना
ACTION PLAN
2023

आई.सी.ए.आर. संस्थान के कृषि विज्ञान केंद्र

KVKs OF ICAR Institutions

भाकृअनुप-कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान (अटारी), कानपुर

ICAR-Agricultural Technology Application Research Institute (ATARI)
Kanpur - 208002

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Kanpur

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Compiled & Edited by U.S. Gautam, Atar Singh, Sadhna Pandey, S.K. Dubey, Raghwendra Singh & S.N. Yemul

Assistance by *Nikhil Vikram Singh, Rajeev Singh,, Mohil Kumar, Ram Naresh, Rashmi Singh, Rohit Senger, Gaurav Tiwari, Anek Singh, Fareed Ahmed & Shubham Singh, Soham Katiyar*

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.	
SAU KVKs	67
ICAR KVKs	07
NGO KVKs	12
Educational KVKs	03
Total	**89**

Note: Districts with two KVKs : Azamgarh, Gonda, Bahraich, Sultanpur, Jaunpur, Ghazipur, Budaun, Moradabad, Muzaffarnagar, Lakhaimpur 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
	NDUA&T, Faizabad (25)				
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	Balrampur	2005			
	CSAUA&T, Kanpur (15)				
26	Raebareli	1984	33	Firozabad	2004
27	Fatehpur	1989	34	Lakhimpur Kheri	2005
28	Aligarh	1992	35	Farrukhabad	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
	BUAT, Banda (7)				
41	Jhansi	1984	45	Lalitpur	2005
42	Mahoba	2004	46	Banda	2007
43	Hamirpur	2005	47	Prayagraj-II	2021
44	Jalaun	2005			
	SVPUA&T, Meerut (20)				
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

	ICAR KVKs (7)				
	Indian Veterinary Research Institute, Bareilly				
68	Bareilly	1985			
	Indian Institute of Sugarcane Research, Lucknow				
69	Lucknow	1994	70	Lakhimpur Kheri-II	2019
	Indian Institute of Vegetables Research, Varanasi				
71	Kushinagar	2005	73	St. Ravidas Nagar	2008
72	Deoria	2009			
	ICAR-Central Soil Salinity Research Institute, Karnal				
74	Hardoi-II	2018			
	NGO KVKs (12)				
	Kamla Nehru Memorial Trust, Sultanpur				
75	Sultanpur	1976			
	RBS College, Agra				
76	Etah	1992	77	Agra	2002
	Deendayal Research Institute, Gonda				
78	Gonda-I	1989	79	Chitrakoot	1992
	Raja Avadesh Singh Memorial Society, Pratatgarh				
80	Pratapgarh	1999			
	Kunwar Ram Bux Singh Educational Society, Lucknow				
81	Unnao	1999			
	Post Graduate College, Gazipur				
82	Gazipur	2002			
	Manav Vikas Evam Seva Sansthan, Lucknow				
83	Sitapur-I	2005			
	Dr.Bhimrao Ambedkar Welfare Society, Allahabad				
84	Kaushambi	2006			
	RanvirRananjay Degree College Association, Sultanpur				
85	Sitapur-II	2011			
	Guru Gorakshnath Sewa Sansthan				
86	Gorakhpur-II	2016			
	Educational KVKs (3)				
	U.P. Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwa Vidyalaya Evam Go Anusandhan Sansthan, Mathura				
87	Mathura	1984			
	SHUATS, Allahabad				
88	Allahabad	1992			
	BHU, Varanasi				
89	Mirzapur	1984			

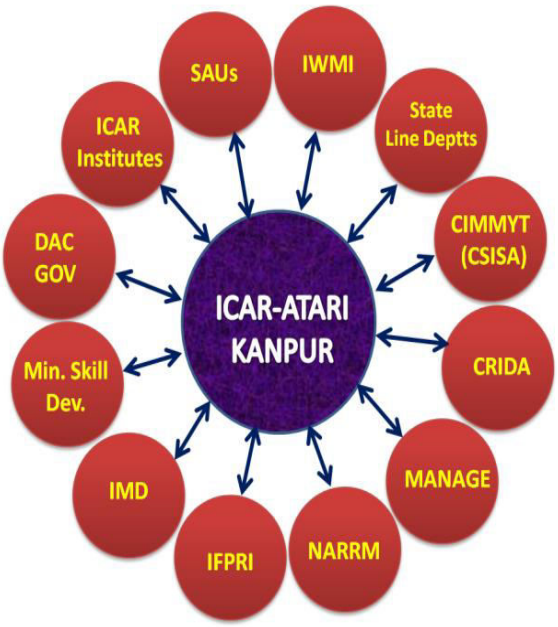
Projects and Special programmes

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 bellow -

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.



KVKs under the ICAR, Institutes (Uttar Pradesh)

Summary Report of Action Plan 2023

S.N.	Name of KVKs	OFT		FLD		Training		Extension Activities		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	Quality seed distribution (q)	Chicks prod. (Nos)
		No of OFTs	No of Trails	Area (ha)	No of Farmers	No of Courses	No of Participants	No of Activities	No of Participants			No of unit	No of Farmers						
1	Bareilly	12	80	298	405	111	2120	516	22150	309.75	2350	35	595	9902	0	0	0	0	162470
2	Bhadohi	10	90	107	382	119	2451	1135	97933	100	5000	200	0	0	500	500	500	100	0
3	Hardoi-II	11	65	126.5	960	94	2019	381	2300	76	500	0	0	0	0	0	0	0	0
4	Deoria	5	20	46	250	82	2004	1383	4432	200	20000	0	0	0	50	700	0	0	0
5	Kusinagar	7	53	111.5	670	110	2601	2234	6350	3861	32350	130	130	0	0	0	0	0	0
6	Lakhimpurkheri - II	0	0	0	0	38	1130	273	4119	0	0	0	0	0	0	0	0	0	0
7	Lucknow	15	75	189.5	882	128	2575	1538	9330	644	50000	1075	3700	0	0	0	0	0	0
	Total	**60**	**383**	**878.5**	**3549**	**682**	**14900**	**7460**	**146614**	**5190.75**	**110200**	**1440**	**4425**	**9902**	**550**	**1200**	**500**	**100**	**162470**

ANNUAL ACTION PLAN

KVK BAREILLY

(1st January, 2023 to 31st 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, ICAR-Indian Veterinary Research Institute, Izatnagar, Bareilly-243122 (U.P.)	0581-2301181	0581-2310259	kvkbareilly1985@gmail.com	http://ivri.nic.in

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

Address	Telephone		E mail	Website
	Office	FAX		
Indian Veterinary Research Institute, IVRI, Izatnagar Bareilly-243122 (U.P.)	0581-2300096	0581-2303284		http://ivri.nic.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 : **NA**

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Brij Pal Singh	0581-2301181	9719138623	kvkbareilly1985@gmail.com bpsinghextivri@gmail.com

1.4. Year of sanction (as per MOU) : 20 December 1985

.5. Staff Position (as on 31 Oct. 2019)

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. Brij Pal Singh	PS & Head	Agriculture Extension	37400-67000	10000	247203	24.05.2021	Permanent	Others	97191 38623	kvkbareilly1985@gmail.com bpsinghextivri@gmail.com	
2	Subject Matter Specialist	Rakesh Pandey	Subject Matter Specialist	Agronomy	15600-39100	7600	130400	29.07. 1989	Permanent	Others	94110 08127	rpandey3284@gmail.com	
3	Subject Matter Specialist	Shri Ranjeet Singh	Subject Matter Specialist	Horticulture	15600-39100+5400	7600	122400	22.03. 1999	Permanent	SC	94576 08835	ranjeetbly@gmail.com	
4	Subject Matter Specialist	Dr. Shardul Vikram Lal	Subject Matter Specialist	Animal Science	15600-39100+5400	6600	Rs.73200/-	02.01.2015	Permanent	SC	9531801728	Shardullal84@gmail.com	Vacant & Under process
5	Subject Matter Specialist	Vacant & Under process	Subject Matter Specialist	Plant Protection.	15600-39100+5400								Vacant & Under process
6	Subject Matter Specialist	Vacant & Under process	Subject Matter Specialist	Extension	15600-39100+5400								Vacant & Under process
7	Programme Assistant	Vacant & Under process	SMS	Home Science	15600-39100+5400								Vacant & Under process

8	Programme Asstt. (Farm Manager)	Dr. Amit Pippal	STA	Bio-technology	9300-34800+4200	4200	36500	19.09.2018	On Probation	SC	99922 96997	amitpippal@gmail.com	
9	Programme Asstt. (Lab)	Km. Vanee Yadav	STA	Soil sc.	9300-34800+4200	4200	36500	26.09.2018	On Probation	Others	89380 49804	vaneeyadav1616@gmail.com	
10	Computer Programmer	Vacant & Under process			9300-34800+4200								
11	Accountant / Superintendent	Smt. Ratan Kaur	U.D.C.		9300-34800+4200		33300	03.11.2003	Permanent	General	80574 51447	ratankaur1447@gmail.com	
12	Stenographer	J.P. Singh	Steno		5200-20200+2400		38700	12.10.2007	Permanent	General	93587 40211	jpsinghivri@gmail.com	
13	Driver	Shri Waseem Ahamed	Bolero Driver		5200-20200+2400		45400	12.08.1986	Permanent	General	92591 28803		
14	Driver	Vacant & Under process			5200-20200+2400								Vacant & Under process
15	Supporting staff	Shri Trilok Singh	LDC		5200-20200+1800								
16	Supporting staff	Shri Riyasat Hussain	S.S.S.		5200-20200+1800		39800	18.09.1986	Permanent	General	96902 39473		

1.6 Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.20
2.	Under Demonstration Units	1.25
3.	Under Crops	6.80
4.	Horticulture	3.25
5.	Pond	1.60
6.	Total	13.10

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	2000	400	-	-		Completed		
2.	Farmers Hostel	Facility not available							Yes	
3.	Staff Quarters (6)	Facility being provided by IVRI							Yes	
4.	Demonstration Units Fish Hatchery Poly House with Mist Chamber, Net House								Yes	
5	Fencing								Yes	
6	Rain Water harvesting system								Yes	
7	Threshing floor								Yes	
8	Farm godown	Facility not available							Yes	
9	Tractor and Implement Shed								Yes	
10	Other	IVRI service project / funded by zonal unit								
11	Farm Road (300 meter)								Yes	

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status	Required replacement
Bolero 8+1 seater	2007	5,00,000	1,20,000	Working Condition	Needs Replacement

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status	Required replacement
Tractor	2019	6,30,000	Available	
Cultivator	2019		Available	
Rotavator	2019	1,05,000	Available	
Levellar	2019			
Harrow, Raised bed planter, Bund maker, Lezor Land Leveler, Power Tiller, Multi-crop Planter,Multi-crop Thresher etc.	2019-21		Available	
Colour TV, stabilizer, trolley	2005	31,675	Functional	No
DVD Player	2005	3,000	Functional	No
Kodak Digital Camera	2005	6450	Non Functional	Yes
Xeroxing Machine	2005	1,20000	Non Functional	Yes
Fax	2005	12,575	Non Functional	Yes
LCD Projector	2018	60,000	Functional	No
Computer (Pinter, Scanner)	2007	50,000	Functional	No
Drudgery reducing equipments Groundnut decorticator, twin wheel hoe, paddy transplanter, rotatory weeder, revolving stool, paneer press, potato peeler and chips making machine etc	2019	65,000	Functional	Yes
Development and barricading of four fish ponds		15,00,000	NIL	required
Bore well 6" (2No.) 15-20 HP		25,00,000	NIL	required
Fish Hatchery		20,00,000	NIL	required
Integrated Farming System Model		50,00,000	NIL	required
Farm equipments				
Hydraulic Tractor Trolley		2,50,000	NIL	required
Airator (4 No.)		1,50,000	Nil	required
Farmer's Hostel 25 Double bed Room + Dormitory +Staff Room+Store Room+ Common Hall + Kitchen+ Wash room etc.		100,00,000	NIL	required
Furniture and Infrastructure for Farmer's Hostel [includingBed, Sofa Set, Table, Chair, Dining Table, LED TV, AC, Fan, Almirah, and other misc. items .etc.]		50, 00,000	NIL	required
Instructional Farm Road (size: 600 x 3 meter)		20, 00,000	NIL	required
Poly house (one acre)		60, 00,000	NIL	required
Exhibition development		5, 00,000	NIL	required

Training Hall Renovation and other works		5, 00,000	NIL	required
Furniture and Infrastructure for Training Hall		5, 00,000	NIL	required
Computer system 04 with UPS, Working Platform, Laptop for field demonstrations and exhibitions, wi-fi system, Photocopier machine, AC-02 for ICT LAB		5, 00,000	NIL	required

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

Sl.No.		Date
1.	Scientific Advisory Committee	25th 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	Rice-Wheat based farming system
2	Sugarcane based farming system

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	Tarai agro-climatic zone	Tarai Region of the district having heavy soils i.e. clay loam, with high fertility, high rain fall and most suited for paddy, wheat and sugarcane cultivation, Out of 15 development blocks of Bareilly district, Five blocks v iz. Baheri, Damkhoda, Shergarh Nawabganj and Bhadpura falls in this Agro climatic zone.
2	Mid-Western Plain agro-climatic zone	Mid Western plain region of the district with loamy soils is having medium fertility, medium rainfall and suitable for all type of crops covers Meerganj, Fateganj West and Bhojipura blocks, Sandy soils with medium fertility and medium rain fall having proximity to the city and suitable for vegetable cultivation covers Bhuta,Kyara blocks and Bithri Chainpur block, and sandy loam soils having low fertility and low rainfall but water logged with salinity problem most suited for paddy, oilseeds, pulses covers Faridpur, Alampur,Jaffrabad, Ramnagar, Majhgawan development blocks.

b) Topography

S. No.	Agro ecological situation	Characteristics
1	AES-I (Baheri, Damkhoda, Shergarh, Nawabganj and Bhadpura Blocks)	It represents Tarai region of the District having heavy soil i.e. clay loam with high fertility, high rainfall and most suited for paddy, wheat and sugarcane cultivation. Out of 15 blocks of Bareilly district, five blocks viz. Baheri, Damkhoda, Shergarh, Nawabganj and Bhadpura Blocks falls in this AES.
2	AES-II (Meerganj, Fatehganj and Bhojipura)	It represents Mid-Western Plain Zone region of the district with loamy soil having medium fertility, medium rainfall and suited for all crops. It covers three development blocks viz. Meerganj, Fatehganj and Bhojipura.
3	AES-III (Bithri-Chainpur, Bhuta and Kyara)	It represent Western-plain regionhaving sandy soil with medium fertility and medium rainfall. Three development

		blocks viz Bithri-Chainpur, Bhuta and Kyara have proximity to the city. It is most suited for vegetable cultivation.
4	AES-IV (Faridpur, Alampur Zafrabad, Ramnagar, Majhgawan)	This AES also represents Western plain region of the district.The soil of this AES is also sandy having low fertility, low rainfall but water logged with salinity problem. This is most suited for paddy, rabi pulses and oilseeds. Basically development blocks viz. Faridpur, Alampur Zafrabad, Ramnagar, Majhgawan fallsunder thisAgro-Ecological situation. However, some part of Bhuta and Kyara blocks also got waterlogged area.

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Sandy Soil		83540
2	Sandy Loam		179185
3	Others		71253
4			

2.4. Area, Production and Productivity of major crops cultivated in the district (2015-16)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Rice	160398	362339	23.0
2	Wheat	201266	609433	30.0
3	Millet	7362	9099	12.0
4	Maize	165	314	19.0
5	Total food grain	369276	981383	-
6	Urd	5216	2600	5.0
7	Lentil	3985	4583	12.0
8	Pea	1739	3753	22.0
9	Total Pulses	10949	11009	-
10	Toria/Mustard	14075	11387	8.0
11	Sesamum	2870	416	2.0
12	Groundnut	394	446	11.0
13	Total Oilseeds	17340	12251	-
14	Sugarcane	89977	5538984	616
15	Potato	1932	59498	308
16	Onion	90	-	-
17	Other Vegetables	8971	-	-
18	Turmeric	40	116	29
19	Green Fodder	11090	-	-
I	Rabi	3384	-	-
Ii	Kharif	5113	-	-
iii	Zaid	2593	-	-

Source: District agriculture department.

2.5. Weather data (2018-19)

S. No	Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
Total						

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

Category	Population	Production	Productivity
Cattle			
Crossbred	11587		
Indigenous	248894		
Buffalo	485484		
Sheep			
Crossbred	25		

Indigenous	2726		
Goats	168285		
Pigs			
Crossbred	2049		
Indigenous	21988		
Rabbits			
Poultry			
Hens, Cock & chicks			
Outher Poultry	20830		
Category		Production (Q.)	Productivity
Fish (Reservoir)300 No.	385.2	9902	25.70

*Statical 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
Meerganj	Fatehganj West	Rahpura Jagir	Paddy, Wheat, Vegetables, Animal Husbandry	• Low yield of Crops • Poor health problemsof animals • Poor status of farm women	• Introduction of high yielding variety and improved management practices • Trainings and Animal health camps • Programmes for women empowerment
Sadar	Bhojipura	Hamirpur (DFI Village)	Paddy, Wheat, Sugarcane, Oilseeds, Pulses, Vegetables	• Low yield of crops • Poor status of farm women	• Introduction of high yielding variety and improved management practices • Programmes for women empowerment
	Bithrichainpur	Saripur, Tahatajpur, Faridapur Inayat Khan	Paddy, Wheat, Sugarcane, Vegetables, Animal Husbandry	• Low yield of crops • Poor health problemsof animals • Poor status of farm women	• Introduction of high yielding variety and improved management practices • Trainings and Animal health camps • Programmes for women empowerment
Aonla	Majhgawan	Jittor	Paddy, Wheat, Oilseeds, Pulses, Vegetables	• Low yield of crops • Poor status of farm women	• Introduction of high yielding variety and improved management practices • Programmes for women empowerment
Nawabganj	Nawabganj	Grem (DFI Village)	Paddy, Wheat, Sugarcane, Oilseeds, Pulses, Animal Husbary	• Low yield of Crops • Poor health problemsof animals • Poor status of farm women	• Introduction of high yielding variety and improved management practices • Trainings and Animal health camps • Programmes for women empowerment

Baheri	Damkhoda	Raanth, Rampura (CRM Activities)	Paddy, Wheat, Sugarcane, Animal Husbary	• Low yield of Crops • Poor health problemsof animals • Poor status of farm women	• In Situ Crop Residue Management • Introduction of high yielding variety and improved management practices • Trainings and Animal health camps • Programmes for women empowerment
Faridpur	Faridpur	Dharupur Thakuran	Paddy, Wheat, Fruits, Vegetables	• Low yield of crops • Poor status of farm women	• Introduction of high yielding variety and improved management practices • Programmes for women empowerment
Ramnager	Ramnager	Chandpura Shivpuri	Paddy, Wheat, Urd, Mustard	• Low yield of crops • Poor status of farm women	• Introduction of high yielding variety and improved management practices • Programmes for women empowerment
Kyara	Kyara	Simra Boripur	Paddy,	• Low yield of crops • Poor status of farm women	• Introduction of high yielding variety and improved management practices • Programmes for women empowerment
Shergarh	Shergarh,	Shahpur Dandi	Corriander	• Low yield of Crops • Poor health problemsof animals • Poor status of farm women	• Introduction of high yielding variety and improved management practices • Trainings and Animal health camps • Programmes for women empowerment
Baheri	Baheri	Dhoperiya, Purenatal,	Late Sown Wheat	• Low yield of Crops • Poor health problemsof animals • Poor status of farm women	• Introduction of high yielding variety and improved management practices • Trainings and Animal health camps • Programmes for women empowerment

2.8 Priority thrust areas

Sl. No.	Thrust areas
1.	Animal health care and Fertility Management – piggery, goatry and Dairy (Timely vaccination, deworming and insemination)
2.	Balanced/ supplement feeding in livestock
3.	Round the year availability of green fodder production
4.	Crop production and management (Basmati rice, pulses and oilseeds)
5.	Good Agriculture Practice:Gau Aadharit Prakrutik Kheti, Integrated Pest Management (IPM), Integrated Plant Nutrient Management (IPNM) and Organic farming, etc.
6.	Composite fish culture
7.	Vegetable production and post harvest management
8.	Orchard development and management
9.	Women empowerment
10.	Doubling farmer's income: Crop-diversification (bee keeping, mushroom)

11.	Post harvest management and marketing of food-grains, seed, fruit, vegetables fish, milk, and meat products
12.	Nutritional security of farm families.
13.	Climate change
14.	Skill development
15.	In-situ Crop Residue Management

3. TECHNICAL PROGRAMME

A. Details of targeted mandatory activities by KVK

OFT		FLD				
No. of OFTs	No. of Farmers	Crops		Livestock		
		Area (ha)	No. of Farmers	No. of unit		No. of Farmers
12	80	298	405	35 (Farm Families)		595 (Animals)
		FLD on Other Enterprises		Women Empowerment		
		Enterprises	No. of Farmers	No. of Unit	No. of Farmers	No. of Demonstration
		Agri. Implements and waste decomposer	140	07	20	02

Training			Extension Activities	
Type of Training	No. of Training	No. of Participants	No. of activities	No. of participants
Farmers and Farm women (On Campus)	40	820	516	22150
Farmers and Farm women (Off Campus)	37	600		
Vocational Training	28	580		
In-service Training	06	120		

Seed Production -309.75 q	Vegetables Planting material (Nos.) 2350	Hybrid Napier Grass 30000 Stem Cuttings

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									

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 Crops	TOTAL
Varietal Evaluation	Yield enhancement in Paddy PB-1692 Yield enhanceme										02

	nt in wheat through DBW-303 Variety.										
Integrated Nutrient Management					Nutritinal value obtained from Kitchen					Low production of mentha due to Improper Nutrient Management	02
Integrated Farming System					Cucumber in low tunnel poly house						01
Value addition										Value addition of Black gram daal bari	01
Integrated Pest Management					Control of leaf blight through IPM						01
Resource conservation technology	High cost of paddy residue management										01
TOTAL	**03**				**03**					**02**	**08**

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										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology										

Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL										

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								
Nutrition Management							Low productivity due to Imbalanced Nutrition management	01
Disease of Management	Repeat breeding buffalo	Nursery management of 0-8 week Chicks					Fish Dieses due to increaed ammonia in pond	03
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL	**01**	**01**					**02**	**04**

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								

B. Details of On Farm Trial (Based on soil test analysis)

Animal Science

OFT-1: To reduce early chick mortality

Crop / Enterprise	Chicken
Title of On Farm Trial	Nursery management of 0-8 week CARI Shyama birds
Problem Diagnosed	High mortality in 0-4 weeks chicks
Farming Situation	Mixed Farming
Production System and Thematic area	Mixed farming and Disease Management
Farmer's Practice	T-1 : Natural brooding (without balanced feed and vaccination)
Details of Tecnologies selected for assessment/refinement	T-2 : Artificial brooding (with balanced feed and vaccination)
No. of Farmers	05
Critical inputs	Day old chicks, Vaccines, Brooder, Starter feed, weighting machine
Source of Technology	ICAR- Central Avian Research Institute, Izzatnagar
Total cost	Rs. 15,000/-
Performance Indicators	**Technical:** Mortality rate (%), Body weight at 4 week **Economic:** C:B Ratio **Social:** Farmers reaction

OFT-2: To ensure the pregnancy in repeat breeding buffalo

Crop / Enterprise	Buffalo
Title of On Farm Trial	Enhancing the pregnancy in repeat breeding buffalo
Problem Diagnosed	Repeat breeding
Farming Situation	Mixed Farming
Production System and Thematic area	Mixed Farming and Disease Management
Farmer's Practice	Conventional Method (Use of Choker and Common salt)
Details of Tecnologies selected for assessment/refinement	T-1 : Linseed seed/Linseed cake 1Kg./day/animal + 500 gm Jaggery for 30 days for 20 days
No. of Farmers	05 (One animal of each farmer)
Critical inputs	Linseed seed/Linseed cake, Jaggery
Source of Technology	ICAR- Indian Veterinary Research Institute, Izatnagar
Total cost	Rs. 15,000/-
Performance Indicators	**Technical:** Estrus Cycle (days), Conception rate (%) **Economic:** C:B Ratio **Social:** Farmers reaction

Crop Science

OFT-3: Low yield of short duration basmati variety.

Crop / Enterprise	Paddy
Title of On Farm Trial	Evaluation of PB-1692 variety of paddy.
Problem Diagnosed	Low yield of short duration basmati variety and Breaking of grains of PB-1509 during milling.
Farming Situation	Irrigated
Production System and Thematic area	Paddy based farming system, VE
Farmer's Practice	PB-1509
Details of Tecnologies selected for assessment/refinement	T-1 : PB-1509 T-2 : PB-1692
No. of Farmers	10
Area	2000 sq.m. each

Critical inputs	Seed PB-1692 variety
Source of Technology	ICAR-IARI, Pusa, New Delhi
Total cost	Rs. 6,000/-
Performance Indicators	Technical: Yield q / ha, no. of effective tillers, % Breakng of grains during milling Economic: Cost of cultivation, B:C Ratio Social: Farmers reaction on yield, economics and % Breakng of grains acceptability of the technology.

OFT-4: Low Yield of Wheat crop

Crop / Enterprise	Wheat
Title of On Farm Trial	Yield enhancement in wheat through DBW-303 (Karan Vaishnavi) Variety under irrigated conditions.
Problem Diagnosed	Low Yield of PBW-343 wheat variety.
Farming Situation	Irrigated
Production System and Thematic area	Paddy-Wheat based farming system, VE
Farmer's Practice	PBW-343
Details of Tecnologies selected for assessment/refinement	T-1 : PBW-343 T-2 : DBW-303 (Karan Vaishnavi) Variety
No. of Farmers	10
Area	2000 sq.m. each released by IIWBR, Karnal
Critical inputs	Seed of DBW-303 (Karan Vaishnavi) Variety
Source of Technology	ICAR- Indian Institute of Wheat and Barley Research
Total cost	Rs. 10,000/-
Performance Indicators	Technical: Yield q / ha, Height of plant, Crop stand, no. of effective tillers, length of tiller, no. of grains per tiller Economic: Cost of cultivation B:C Ratio Social: Farmers reaction on yield, economics and acceptability of the technology.

Crop Science-Soil Science

OFT-5 : High cost incurred in paddy residue management

Technology Assessed: Assessment of cost incurred, soil nutrient enrichment and time taken in paddy residue management by traditional method and by decomposer

Crop/Enterprise	Paddy
Problems Identification	**High cost incurred in paddy residue management through farm machinery.**
Methodology adopted for Problem identification	Survey, Group discussion and visit to village
Production system and thematic area	Nutrient management and resource conservation
Possible Solution	Reducing cost incurred in paddy residue decomposition.
Source of technology	IARI, New delhi
Possible solutions to be compared	T-1 : Ploughing of field when irrigated with urea after paddy harvest T: 2 Use of waste decomposer for paddy residue decomposition.
Plot size	2 X 1000 m²
No. of replication	05
Observation	Yield per hectare B:C ratio
Critical Inputs	PUSA decomposer
Cost Of Each Intervention	Rs200- each replication
Total cost of OFT	**Rs. 1000/-**

Horticulture-Soil Science

OFT-6 : Low production of mentha due to Improper Nutrient Management

Technology Assessed: Assessment on effect of supplementary nutrition on the basis of Soil nutrient Status.

Crop/Enterprise	IPNM in mentha
Problems Identification	Low Production of mentha due to Improper Nutrient Management
Methodology adopted for Problem identification	Survey, Group discussion and visit to village
Production system and thematic area	Integrated Nutrient management
Possible Solution	Enhancing Production by Integrated Nutrient Management after soil testing
Source of technology	CIMAP, Lucknow
Possible solutions to be compared	T-1 : Cultivation of Mentha without Soil Testing T: 2 Production of Mentha by Integrated Nutrient Management after soil testing
Plot size	2 X 1000 m²
No. of replication	05
Observation	Yield per hectare B:C ratio
Critical Inputs	N,P,K,S,Zn
Cost Of Each Intervention	Rs 1000/- each replication
Total cost of OFT	**Rs. 5000/-**

Horticulture Unit

OFT-7 : Horticulture: Less Production In Off Season Cucumber Cultivation

Crop/ EnterprisesQly	Cultivation of cucumber
Problems Identification	Horticulture: Less Production In Off Season Cucumber Cultivation
Methodology adopted for Problem identification	Survey, group discussion and observation, individual discussion
Production system and thematic area	Protacted cultivation of cucumber
Possible Solutions	Cultivation of cucumber in low tunnel poly house
Source of technology	G.B.P.U.A&T Pantnager
Farmers' Practices	T-1 : cultivation of cucumber crop.
Possible solutions to be compared	T-2 :Cultivation of cucumber in low tunnel poly house
Plot size	2X 2000 m² 2x2000 eh²
No. of replication	05
Observation	Yield of cucumber crop (control) Yield of cucumber in low tunnel poly house Cost of cultivation B.C. ratio
Critical Inputs	Cucumber seed var. Pant Kheera 1
Cost of each intervention	Rs 1000/- each replication
Total cost of OFT	**Rs. 5000/**

OFT- 8 : Low production of Green Chilli due to attack of leaf blight

Crop/Enterprise	Insect Pest Management in chilly
Problems Identification	**Low production of Green Chilli due to attack of leaf blight**
Methodology adopted for Problem identification	Survey, Group discussion and visit to village
Production system and thematic	Integrated Pest management

area	
Possible Solutions	Control of leaf blight through IPM Technoloies
Source of technology	NCIPM, New Delhi
Possible solutions to be compared	T-1 :Farmers' Practices Spray of fungicides (Diethen M 45) T-2 :use of Trichoderma viridii(5g/l) and pseudomonas(5g/l) T-3: Spray of Chlorothelonin 75% wp (2g/l)+Difenconazole25% EC(1ml/l)
Plot size	2 X 4000 m²
No. of replication	05
Observation	Number of blight effected plants Yield per hectare B:C ratio
Critical Inputs	Trichoderma, Pseodomonas, Chlorothelonin and difenchonazole
Cost Of Each Intervention	Rs 1000/- each replication
Total cost of OFT	**Rs. 5000/-**

Home Science Unit

OFT-9 : Value addition of Black gram daal bari with Soyabean daal

S.no.	Crop/ Enterprise	Details
1	Title of On Farm Trial	Value addition of Black gram daal bari with Soyabean daal.
2	Problem Diagnosed	Low nutritional value of Black Gram Dal bari
3	Thematic Area	Value Addition
4	Details of Technology Selected for Assessment	T1: Farmer Practice (making/sale of black gram dal bari with petha. **T2:making/ Sale of black gram dal bari with Soyabean daal.**
5	Source of technology	ICAR-Directorate of Mushroom Research, Solan भाकृअनुप-मशरूम अनुसंधान निदेशालय, सोलन
6	Characteristics of Technology/Variety/ Product/ Enterprise	Nutritional value increases when Soyabean daal added with Black Gram daal. It can be used throughout the year Increased income due to value addition
7	No. of Trials	10
8.	Performance Indicator/ Parameter	Technical observations 1. Market price of bari prepared 2.Quality of bari prepared 3.Shelf Life of bari prepared 4.C:B ratio 5.Producer/Consumer Response

OFT-10 : Assessment of Nutritinal value obtained from Kitchen Garden of a farm family

Title of the OFT	Assessment of Nutritinal value obtained from Kitchen Garden of a farm family
Problem identification	Poor Nutritional Status of Farm families
Thematic area	Kitchen Gardening
Details of Technology selected for assessment	T-1 : Farmers Practice (Normal vegetables without any planning) T-2 : Addition of high nutritive value vegetable crops and fruit plants
Source of Technology	GBPU & AT, Pantnagar
Characteristics of Technology	1. Vegetable crops according to the need of the family 2. Fruit Plants according to the need of the family
No. of trials	10 Family
Performance Indicator/Parameters	Technical observations तकनीकी प्रेक्षण 1. Nutritional value of kichen garden before intervention 2. Nutritional value of kitchen garden after intervention

	3. Benefit :Cost Ratio 4. Farmers Reaction and Feed back
Critical inputs	Vegetable seeds and fruit plants of high nutritive value which are not available in the farm women's kitchen garden
Cost of each replication	Rs. 1000/-
Total cost of OFT	**Rs 10000/-**

OFT-11 : Fish Dieses increasing ammonia in pond and control

Crop / Enterprise	Fish
Title of On Farm Trial	Fish Dieses increasing ammonia in pond and control
Problem Diagnosed	Increasing ammonia in pond
Production System and Thematic area	Mixed farming and Disease Management
Farmer's Practice	T-1 : Traditional practices
Details of Technologies selected for assessment/refinement	T-2 : Use pro biotic
No. of Farmers	5 (one acre per farmer)
Critical inputs	Pro-biotic
Total cost	Rs. 50,000/-
Performance Indicators	Technical: Water quality-pH, dissolve Oxygen ,TDS, Water Toxicity Social: Farmers reaction

OFT-12: Feed Management in IMC and Pangasius

Crop / Enterprise	Fish
Title of On Farm Trial	Feed Management in IMC and Pangasius
Problem Diagnosed	Low productivity due to Imbalanced Nutrition management
Production System and Thematic area	IMC and Pangasius
Farmer's Practice	T-1 Farmers Practice-Choker and mustard cake and locally available feed
Details of Tecnologies selected for assessment/refinement	T-2 : use of supplement feed as per body weight and biomass in pond
No. of Farmers	05 (One acre each farmer)
Critical inputs	Soybean cake, Fish meal,
Source of Technology	CIFE, Bhuvneshwar
Total cost	Rs. 50,000/-
Performance Indicators	Technical: Growth Weight (%) time of harvesting Economic: C:B Ratio Social: Farmers reaction

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	Urd	VU-9	ICM	Variety, Weed Control, White fly control	Seed, Weedicide, Pesticide	Kharif, 2023	10	25	Yield, Effect on weeds and pod borer
2	Lentil	PL-9	ICM	Variety, Weed Control	Seed, Weedicide	Rabi 2023-24	10	25	Yield, Effect on weeds
3	Til	RT-351	ICM	Variety, Weed Control, Pest & disease control	Seed, Weedicide, Pesticide	Kharif, 2023	10	25	Yield, Effect on weeds and pod borer
4	Mustard	RH-725/ PM-0031	ICM	Variety, Weed Control, Pest & disease control	Seed, Weedicide, Pesticide	Rabi 2023-24	10	25	Yield, Effect on weeds and pod borer
5	Paddy	Pusa Basmati-1509	RCT	Direct Sowing of Rice in low lying areas	PB-1509, Bispyriback sodium	Kharif, 2023	2.0	10	Yield
6	Napier grass	Super Napier	ICM	Variety	Stem Cullings	Summer 2023	1.0	10	Yield, Palatability
7	Sugarcane+ Vetable Pea	NSC Hybrid	RCT	Intercrooping in Sugarcane	Pea-PSM 3	Rabi 2022-23	2.0	5	Yield, Additional Income, Effect on the yield of main crop
8	Mentha	CIM Unnati	ICM	Variety	Runners	Zaid, 2022	1.0	10	Yield, B.C. Ratio
9	Sounf	Pant Ruchira	ICM	Intercroping with vegetables	Seed	Rabi 2022-23	1.0	10	Yield, B;C Ratio
10	Sugarcane, Mango, Paddy, Wheat	Spray of Agriculture Chemicals	Hi-tech Agriculture	Drone application demonstration	Drone	Zaid-Rabi-Kharif-2023	250	250	Effect of Chemical spray, Effect on Cost of Cultivation, Farmers Satisfaction
11	Chilli	Hybrid Variety	INM	Application of Micronutrients on Soil Test basis	Bentonite Sulfer, Cilleted Zinc	Rabi-2023-24	1.0	10	Effect of Micronutrient on growth and yield, B;C Ratio
					Total		**298.0**	**405**	

Sponsored Demonstration

Sl. No.	Crop	Area (ha)	No. of farmers
1	As per the requirement of the sponsoring agency		

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	04	Every Quarter	100
2	Farmers Training	04	One month before Crop Season	100
3	Media coverage	04	At peak crop	-

			season	
4	Training for extension functionaries	02	One month before Crop Season	50

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
Happy Seeder	Wheat	Rabi-2023-24	20	20	Happy Seeder, Seed	Germination, Tillering, Yield, B:C ratio
Shrub master +RMB Plough+Rotavator	Wheat	Rabi-2023-24	40	40	Happy Seeder, Seed,	Germination, Tillering, Yield, B:C ratio
Mulcher+RMB Plough+Rotavator	Wheat	Rabi-2023-24	40	40	Happy Seeder, Seed,	Germination, Tillering, Yield, B:C ratio
Pusa Bio-decomposer	Paddy-Wheat	Rabi-2023-24	40	40	Pusa Bio-decomposer	Decomposition quality, Tillering, Yield, B:C ratio
			140	140		

(ii) Livestock Enterprises

Enterprise m|e	Breed uLy	No. of farmers fdlkuks dh la[;k	No. of animals, poultry birds etc. i'kqvksa dh la[;k eqfxZ;ks bR;kfn ds cPps	Critical inputs Økafrd buiqV	Performance parameters / Indicators dk;Z ç.kkyh@lwfpr djus okyk] fun'kZd
Entrepreneurship development in Piggery	Crossbred	10	1 Male + 10 Female	Piglets, Feed, Medicine	Mortality (%), Live weight gain, B:C ratio
Entrepreneurship development in Goatry	Local	10	1 Male +10 Female	Kids, Feed, Medicine	Mortality (%), Live weight gain, B:C ratio
Backyard Poultry Farming	CARI-Nirbheek	15	25 No.	Day old CARI Nirbheek chick, Feed, Medicine	Mortality (%), Live weight gain, B:C ratio
Total		**35**	**-**	-	-

(iii) Value Addition

Enterprise m|e	Variety/ breed/ Species/others	No. of farmer women	No. of Units	Critical inputs	Performance parameters / Indicators
Drying of Green Leafy Vegetables	Methi Leaves	10	02	Methi Leaves	Quantity prepared B:C ratio
Candle Making	Daily/Ocassional/ Show Piece	10	05	Parafin Wax, Thread, Moulds	Quantity prepared B:C ratio
Total		20	07		

Training (Including the sponsored and FLD training programmes):

A) **ON Campus**

Thematic Area	No. Of Courses & Dates	No. of Participants ÁfrHkkfx;¨a dh la[;k						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) FARMERS & FARM WOMEN								
I Crop Production Qly mRiknu								
Resource Conservation Technologies								
Resource conservation techniques for Sugarcane cultivation by Trench Method	01 21-22 January	15	-	15	05	-	05	20
Paddy Crop Residue Management	02 22-23 September 19-20 September	30	-	30	10	-	10	40
Integrated Crop Management								
Agro-techniques of Lentil cultivation	01 7-8 October	15	-	15	05	-	05	20
Agro-techniques in Urd/Mung cultivation	01 4-5 June	15	-	15	05	-	05	20
Agro-techniques of Til cultivation	01 19-20 June	15	-	15	05	-	05	20
Agro-techniques of Rai / Mustard cultivation	01 05-06 September	15	-	15	05	-	05	20
Integrated Pest Management								
Integrated pests and diseases management in paddy	01 4-5 July	15	-	15	05	-	05	20
II Horticulture								
b) Fruits								
Layout and Management of Orchards								
Lay out and planting of mango and guava orchard	01 2-3 July	20	-	20	10	-	10	30
c) Ornamental Plants ltkoVh ikS/kks mRiknu								
Export potential of ornamental plants Production of gladiolus and Tuberose for cut flowers	01 17-18 October	20	-	20	05	-	05	25
Propagation techniques of Ornamental Plants	01 2-3 January	20	-	20	05	-	05	25
f) Spices								
Production and Management technology								
Production technology of onion and Garlic	01 13-14 October	20	-	20	05	-	05	25
Processing and value addition								
Production and processing of Ginger and Turmeric	01 23-24 April	20	-	20	05	-	05	25
Seed Production								
Coriander Seed Production	01 19-20 November	20	-	20	10	-	10	30
III Soil Health and Fertility Management								

Integrated Nutrient Management								
INM in Paddy INM in Wheat INM in sugarcane	03 8-9 May 9-10 October 6-7 February	50	-	50	10	-	10	60
Integrated Nutrient Management through Crop Residue Management	02 3-4 October 8-9 October	30	-	30	10	-	10	40
Bio Manuring in Tomato	01	15	-	15	05	-	05	20
IV Livestock Production and Management								
Dairy Management Ms;jh çcU/ku								
Care and Management of calves	01 9-10 June	15	-	15	05	-	05	20
Poultry Management								
Backyard poultry	01 3-4 October	15	-	15	05	-	05	20
Piggery Management								
Care and management of piglets	01 4-5 November	15	-	15	05	-	05	20
Disease Management								
Disease management in dairy animals	01 25-26 June	15	-	15	05	-	05	20
Feed management								
Balanced feeding of pregnant animals	01 7-8 May	15	-	15	05	-	05	20
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	01	-	10	10	-	05	05	15
Designing and development of low/minimum cost diet based on soybean	01	-	10	10	-	05	05	15
Income generation activities for empowerment of rural women through Candle Making, Detergent Making,Liquid Soap Making	01	-	10	10	-	05	05	15
VI Integrated Farming System								
Integrated Farming System	01	15	-	15	05	-	05	20
VII Fisheries								
Integrated fish farming								
Integrated fish farming	01 14-15 November 14&15 uoEcj	10	-	10	05	-	05	15
Composite fish culture								
Renovation & cleaning of fish pond Composite fish culture	03 25-26 April 18-19 June 17-18 February	50	-	50	10	-	10	60
X Capacity Building and Group Dynamics								
Leadership development								
Leadership development among women	02 4-5 February 20-21	-	30	30	-	10	10	40

	January							
Formation and Management of SHGs								
Formation and management of SHGs (Bee Keeping for unemployed youth)	01 29-30 October	25	-	25	05	-	05	30
Entrepreneurial development of farmers/youths								
Entrepreneurial development of farmers/youths (livestock /horticulture based integrated farming system)	04 4 September 6 September 25 April 26 April	50	-	50	20	-	20	70
TOTAL	**40**	**560**	**60**	**620**	**175**	**25**	**200**	**820**
(B) RURAL YOUTH								
Mushroom Production								
Production and marketing of Button mushroom	01 4-7 October	20	05	25	05	05	10	35
Bee-keeping								
Bee keeping and marketing of honey	01 26-29 March	15	05	20	05	05	10	30
Food Processing and Value Addition								
Preservation of seasonal Fruits and Vegetables	01 26-29 November	15	-	15	05	-	05	20
Preparation and marketing of Detergent powder	01 4-7 October	-	10	10	-	05	05	15
Candle Making	01 26-29 May	-	10	10	-	05	05	15
Preparation of milk products for doubling income	01 10-13 January	-	10	10	-	05	05	15
Preparation of Soya Milk and it's Bye-products	01 2-5 February	-	10	10	-	05	05	15
Integrated Farming System								
Integrated Farming System	01	15	-	15	05	-	05	20
Crop Reidue Management								
In-situ Management of paddy crop residue	02 26-30 Sept. & 4-8 Oct.	15	-	15	05	-	05	20
Seed production								
Seed Production in wheat	01 20-23 October	15	-	15	05	-	05	20
Vermiculture								
Vermicomposting & Vermiculture	01 19-22 January	15	-	15	05	-	05	20
Protected cultivation of vegetable crops								
Off season vegetable production	01 25-28 April	20	-	20	05	-	05	25
Dairying								
Scientific dairy farming	01 15-18 July	15	-	15	05	-	05	20
Piggery								
Establishment of Pig farm	02 18-21 April 15-18 Nov	30	-	30	10	-	10	40

Sheep and goat rearing								
Goat Farming	02 5-8 March 22-25 September	30	-	30	10	-	10	40
Poultry Farming								
Backyard poultry farming	01 12-16 Oct.	15	-	15	05	-	05	20
Composite fish culture								
Composite fish culture	01 25-28 February	15	-	15	05	-	05	20
Integrated fish farming	01 3-6 October	15	-	15	05	-	05	20
Soil Testing e								
Soil Testing	03 4-7 May 5-8 October 2-5 February	40	10	50	10	-	10	60
Nursery Management of Horticulture crops								
Nursery enterprise of ornamental plants	01 12-15 November	20	-	20	05	-	05	25
Entrepreneurial development								
Entrepreneurial development of farmers/youths	02 8-9 November 4-5 December	20	20	40	15	15	30	70
Rural Craft	01	-	10	10	-	05	05	15
TOTAL dqy	**28**	**330**	**90**	**420**	**110**	**50**	**160**	**580**
I EXTENSION PERSONNEL								
Rejuvenation of old orchards								
Rejuvenation of old orchard of mango and guava	01 20 May	10	-	10	05	-	05	15
Management in farm animals								
Infertility management in dairy animals	01 12 August	10	-	10	05	-	05	15
Problem of oestrus in buffalo heifers	01 29 September	10	-	10	05	-	05	15
Production and use of organic inputs								
Vermicomposting –Production and marketing	01 8 October	15	-	15	05	-	05	20
Crop Residue Management in Paddy	01 28 September	20	-	20	05	-	05	25
Gau Aadharit Prakrutik Kheti	01 2 April	15	-	15	05	-	05	20
Medicinal and aromatic plants								
Cultivation of herbal plants and their uses	01 26 November	10	-	10	05	-	05	15
Women empowerment								
Nutritional diet for pregnant and lactating	01 17 October	-	10	10	-	-	-	10

Low cost nutrient recipes for preschool children	01 11 Decmber	-	10	10	-	-	-	10
Integrated Pest Management								
Bio-control of pest and diseases	01 13 June	15	-	15	05	-	05	20
Formation and Management of SHGs								
Forming and management of SHGs	02 2 January	20	-	20	10	-	10	30
Total dqy	**12**	**125**	**20**	**145**	**50**	**-**	**50**	**190**
Total (On Campus)								
Practising Farmers	**40**	**560**	**60**	**620**	**175**	**25**	**200**	**820**
Rural Youths	**28**	**330**	**90**	**420**	**110**	**50**	**160**	**580**
Extension functionaries	**12**	**125**	**20**	**145**	**50**	**-**	**50**	**195**
Total	**80**	**1015**	**170**	**1185**	**335**	**75**	**410**	**1595**

B) OFF Campus

Thematic Area p;fur {ks=	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) FARMERS & FARM WOMEN								
Crop Production								
Weed Management								
Weed management in wheat crop	01	10	-	10	05	-	05	15
Nursery management								
Nursery Management in Paddy	01	10	-	10	05	-	05	15
Integrated Crop Management								
Fodder production Cultivation techniques of Napier grass.	01	10	-	10	05	-	05	15
II Horticulture								
a) Vegetable Crops								
Nursery raising								
Vegetable nursery management under poly-house	01	10	-	10	05	-	05	15
b) Fruits								
Layout and Management of Orchards								
Layout and Management of mango orchards	01	10	-	10	05	-	05	15
c) Ornamental Plants								
Export potential of ornamental plants								
Cultivation of Rose and Marigold	01	10	-	10	05	-	05	15
Post harvest management of cut flower	01	15	-	15	05		05	20
d) Medicinal plant vkS"k/kh; ikS/kk								
Inter cropping of Mentha with sugarcane	01	15	-	15	05	-	05	20
e) Spices elkys								
Curing and processing of turmeric	01	10	-	10	05	-	05	15
III Soil Health and Fertility Management								
Soil fertility management								
Soil fertility management	01	10	-	10	05	-	05	15
Soil Sample Collection	02	20	-	20	10	-	10	30
IV Livestock Production and Management								
Dairy Management								
Care and management of calves	01	10	-	10	05	-	05	15
Management of milch animals	01	10	-	10	05	-	05	15
Balance feeding of milch animals	01	10	-	10	05	-	05	15

Pregnancy diagnosis	01	10	-	10	05	-	05	15
Disease Management								
FMD – and its preventive measures	01	10	-	10	05	-	05	15
Control measures of endo-parasitic infestation	01	10	-	10	05	-	05	15
Control measures of contagious diseases in dairy animals	01	10	-	10	05	-	05	15
V Home Science/Women empowerment								
Household food security by kitchen gardening and Nutrition Gardening	01	-	10	10	-	05	05	15
Minimization of nutrient loss in processing	01	-	10	10	-	05	05	15
Gender mainstreaming through SHG's	01	-	10	10	-	05	05	15
Income generation activities for empowerment of rural women	01	-	10	10	-	05	05	15
Location specific drudgery reduction technologies	01	-	10	10	-	05	05	15
Women and child care	01	-	10	10	-	05	05	15
Storage loss minimization techniques								
Techniques of storage loss minimization in wheat	01	-	10	10	-	05	05	15
Climate change strategy in crop production								
Techniques of cucurbits during rainy season.	01	15	-	15	05	-	05	20
Resource management								
Resource management by mix cropping of rabi vegetables	01	15	-	15	05	-	05	20
VI Integrated Farming System								
Integrated Farming System	01	10	-	10	05	-	05	15
VII Plant Protection								
Integrated Pest Management								
Identification of pest, diseases and their control in paddy	01	10	-	10	05	-	05	15
Management of pest and diseases in sugarcane	01	10	-	10	05	-	05	15
VIII Fisheries								
Composite fish culture								
Parasitic control in fish	01	15	-	15	05	-	05	20
Measures during fish seed transportation	01	15	-	15	05	-	05	20
X Capacity Building and Group Dynamics								
Surf & Candle Making	01	-	15	15	-	05	05	20
XI Entrepreneurial development of farmers/youths								
Entrepreneurial development of farmers/youths	01	15	-	15	05	-	05	20
Forming and management of SHGs	01	15	-	15	05	-	05	20
Leadership development among Farmers and Rural Youth	01	10	-	10	05	-	05	15
Total (Off Campus)	**37**	**330**	**85**	**415**	**145**	**40**	**185**	**600**
Total (On Campus)	**80**	**1015**	**170**	**1185**	**335**	**75**	**410**	**1595**
GRAND TOTAL(On + Off)	**117**	**1345**	**255**	**1600**	**480**	**115**	**595**	**2195**

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. Of Courses & Dates	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) FARMERS & FARM WOMEN								
I Crop Production								
Resource Conservation Technologies								
Resource conservation techniques for Sugarcane cultivation by Trench Method	01 21-22 January	15	-	15	05	-	05	20
Paddy Crop Residue Management	02 22-23 September 19-20 September	30	-	30	10	-	10	40
Integrated Crop Management								
Agro-techniques of Lentil cultivation	01 7-8 October	15	-	15	05	-	05	20
Agro-techniques in Urd/Mung cultivation	01 4-5 June	15	-	15	05	-	05	20
Agro-techniques of Til cultivation	01 19-20 June	15	-	15	05	-	05	20
Agro-techniques of Rai / Mustard cultivation	01 05-06 September	15	-	15	05	-	05	20
Fodder production Cultivation techniques of Napier grass.	01	10	-	10	05	-	05	15
Integrated Pest Management								
Integrated pests and diseases management in paddy	01 4-5 July	15	-	15	05	-	05	20
Weed management in wheat crop	01	10	-	10	05	-	05	15
Nursery management								
Nursery Management in Paddy	01	10	-	10	05	-	05	15
`II Horticulture								
a) Vegetable Crops								
Nursery raising								
Vegetable nursery management under poly-house	01	10	-	10	05	-	05	15
b) Fruits								
Layout and Management of Orchards								
Lay out and planting of mango and guava orchard	01 2-3 July	20	-	20	10	-	10	30
Layout and Management of mango orchards	01	10	-	10	05	-	05	15
c) Ornamental Plants								
Export potential of ornamental plants Production of gladiolus and Tuberose for cut flowers	01 17-18 October	20	-	20	05	-	05	25
Propagation techniques of Ornamental Plants	01 2-3 January	20	-	20	05	-	05	25
Cultivation of Rose and Marigold	01	10	-	10	05	-	05	15
Post harvest management of cut flower	01	15	-	15	05		05	20

d) Medicinal plant vkS"k/kh; ikS/kk								
Inter cropping of Mentha with sugarcane	01	15	-	15	05	-	05	20
e) Spices								
Curing and processing of turmeric	01	10	-	10	05	-	05	15
f) Spices								
Production and Management technology								
Production technology of onion and Garlic	01 13-14 October	20	-	20	05	-	05	25
Processing and value addition								
Production and processing of Ginger and Turmeric	01 23-24 April	20	-	20	05	-	05	25
Seed Production								
Coriander Seed Production	01 19-20 November	20	-	20	10	-	10	30
III Soil Health and Fertility Management								
Integrated Nutrient Management								
INM in Paddy INM in Wheat INM in sugarcane	03 8-9 May 9-10 October 6-7 February	50	-	50	10	-	10	60
Integrated Nutrient Management through Crop Residue Management	02 3-4 October 8-9 October	30	-	30	10	-	10	40
Bio Manuring in Tomato	01	15	-	15	05	-	05	20
Soil fertility management	01	10	-	10	05	-	05	15
Soil Sample Collection	02	20	-	20	10	-	10	30
IV Livestock Production and Management								
Dairy Management								
Care and Management of calves	01 9-10 June	15	-	15	05	-	05	20
Management of milch animals	01	10	-	10	05	-	05	15
Balance feeding of milch animals	01	10	-	10	05	-	05	15
Pregnancy diagnosis	01	10	-	10	05	-	05	15
Poultry Management								
Backyard poultry	01 3-4 October	15	-	15	05	-	05	20
Piggery Management								
Care and management of piglets	01 4-5 November	15	-	15	05	-	05	20
Disease Management i'kqchekjh çcU/ku								
Disease management in dairy animals	01 25-26 June	15	-	15	05	-	05	20
FMD – and its preventive measures	01	10	-	10	05	-	05	15
Control measures of endo-parasitic infestation	01	10	-	10	05	-	05	15
Control measures of contagious diseases in dairy animals	01	10	-	10	05	-	05	15
Feed management								
Balanced feeding of pregnant animals	01 7-8 May	15	-	15	05	-	05	20

V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	01	-	10	10	-	05	05	15
Designing and development of low/minimum cost diet based on soybean	01	-	10	10	-	05	05	15
Income generation activities for empowerment of rural women through Candle Making, Detergent Making,Liquid Soap Making	01	-	10	10	-	05	05	15
Household food security by kitchen gardening and Nutrition Gardening	01	-	10	10	-	05	05	15
Minimization of nutrient loss in processing	01	-	10	10	-	05	05	15
Gender mainstreaming through SHG's	01	-	10	10	-	05	05	15
Income generation activities for empowerment of rural women	01	-	10	10	-	05	05	15
Location specific drudgery reduction technologies	01	-	10	10	-	05	05	15
Women and child care	01	-	10	10	-	05	05	15
Storage loss minimization techniques HkaMkj.k {kfr de djus dh rduhd								
Techniques of storage loss minimization in wheat	01	-	10	10	-	05	05	15
Climate change strategy in crop production								
Techniques of cucurbits during rainy season.	01	15	-	15	05	-	05	20
Resource management lalk/ku çcU/ku								
Resource management by mix cropping of rabi vegetables	01	15	-	15	05	-	05	20
VI Integrated Farming System								
Integrated Farming System	01	15	-	15	05	-	05	20
VII Plant Protection								
Integrated Pest Management								
Identification of pest, diseases and their control in paddy	01	10	-	10	05	-	05	15
Management of pest and diseases in sugarcane	01	10	-	10	05	-	05	15
VIII Fisheries								
Integrated fish farming								
Integrated fish farming	01 14-15 November 14&15 uoEcj	10	-	10	05	-	05	15
Composite fish culture lesfdr eRL; ikyu								
Renovation & cleaning of fish pond Composite fish culture	03 25-26 April 18-19 June 17-18 February	50	-	50	10	-	10	60
Parasitic control in fish	01	15	-	15	05	-	05	20
Measures during fish seed transportation	01	15	-	15	05	-	05	20
X Capacity Building and Group Dynamics								
Surf & Candle Making	01	-	15	15	-	05	05	20
Leadership development usr`Ro {kerk fodkl								

Leadership development among women	02 4-5 February 20-21 January	-	30	30	-	10	10	40
Formation and Management of SHGs								
Formation and management of SHGs (Bee Keeping for unemployed youth)	01 29-30 October	25	-	25	05	-	05	30
Entrepreneurial development of farmers/youths								
Entrepreneurial development of farmers/youths (livestock /horticulture based integrated farming system)	04 4 September 6 September 25 April 26 April	50	-	50	20	-	20	70
Entrepreneurial development of farmers/youths	01	15	-	15	05	-	05	20
Forming and management of SHGs	01	15	-	15	05	-	05	20
Leadership development among Farmers and Rural Youth	01	10	-	10	05	-	05	15
TOTAL	**77**	**890**	**145**	**1035**	**320**	**65**	**385**	**1420**
(B) RURAL YOUTH								
Mushroom Production								
Production and marketing of Button mushroom	01 4-7 October	20	05	25	05	05	10	35
Bee-keeping								
Bee keeping and marketing of honey	01 26-29 March	15	05	20	05	05	10	30
Food Processing and Value Addition								
Preservation of seasonal Fruits and Vegetables	01 26-29 November	15	-	15	05	-	05	20
Preparation of Soya Milk and it's Bye-products	01 2-5 February	-	10	10	-	05	05	15
Preparation and marketing of Detergent powder	01 4-7 October	-	10	10	-	05	05	15
Candle Making	01 26-29 May	-	10	10	-	05	05	15
Hand embridry	01	-	10	10	-	05	05	15
Preparation of milk products for doubling income	01 10-13 January	-	10	10	-	05	05	15
Integrated farming								
Production of Basmati rice for export purpose	01 26-29 May	15	-	15	05	-	05	20
Integrated Farming System								
Integrated Farming System	01	15	-	15	05	-	05	20
Crop Reidue Management								
In-situ Management of paddy crop residue	02 26-30 Sept. & 4-8 Oct.	15	-	15	05	-	05	20
Seed production								
Seed Production in wheat	01 20-23 October	15	-	15	05	-	05	20
Vermiculture								
Vermicomposting &	01	15	-	15	05	-	05	20

Vermiculture	19-22 January							
Protected cultivation of vegetable crops								
Off season vegetable production	01 25-28 April	20	-	20	05	-	05	25
Dairying i'kq ikyu O;olk;								
Scientific dairy farming	01 15-18 July	15	-	15	05	-	05	20
Piggery lwdj ikyu								
Establishment of Pig farm	02 18-21 April 15-18 Nov	30	-	30	10	-	10	40
Sheep and goat rearing								
Goat Farming	02 5-8 March 22-25 September	30	-	30	10	-	10	40
Poultry Farming								
Backyard poultry farming	01 12-16 Oct.	15	-	15	05	-	05	20
Composite fish culture								
Composite fish culture	01 25-28 February	15	-	15	05	-	05	20
Integrated fish farming	01 3-6 October	15	-	15	05	-	05	20
Soil Testing								
Soil Testing	03 4-7 May 5-8 October 2-5 February	40	10	50	10	-	10	60
Nursery Management of Horticulture crops								
Nursery enterprise of ornamental plants	01 12-15 November	20	-	20	05	-	05	25
Entrepreneurial development								
Entrepreneurial development of farmers/youths	02 8-9 November 4-5 December	20	20	40	15	15	30	70
Rural Craft	01	-	10	10	-	05	05	15
TOTAL	**28**	**330**	**90**	**420**	**110**	**50**	**160**	**580**
EXTENSION PERSONNEL								
Rejuvenation of old orchards								
Rejuvenation of old orchard of mango and guava	01 20 May	10	-	10	05	-	05	15
Management in farm animals								
Infertility management in dairy animals	01 12 August	10	-	10	05	-	05	15
Problem of oestrus in buffalo heifers	01 29 September	10	-	10	05	-	05	15
Production and use of organic inputs								
Vermicomposting –Production and marketing	01 8 October	15	-	15	05	-	05	20
Crop Residue Management in Paddy	01 28 September	20	-	20	05	-	05	25

Gau Aadharit Prakrutik Kheti	01 2 April	15	-	15	05	-	05	20
Medicinal and aromatic plants								
Cultivation of herbal plants and their uses	01 26 November	10	-	10	05	-	05	15
Women empowerment								
Nutritional diet for pregnant and lactating	01 17 October	-	10	10	-	-	-	10
Low cost nutrient recipes for preschool children	01 11 Decmber	-	10	10	-	-	-	10
Integrated Pest Management								
Bio-control of pest and diseases	01 13 June	15	-	15	05	-	05	20
Formation and Management of SHGs								
Forming and management of SHGs	02 2 January	20	-	20	10	-	10	30
Total	**12**	**125**	**20**	**145**	**50**	**-**	**50**	**195**
Total (On Campus and Off campus)								
Practising Farmers	**77**	**890**	**145**	**1035**	**320**	**65**	**385**	**1420**
Rural Youths	**28**	**330**	**90**	**420**	**110**	**50**	**160**	**580**
Extension functionaries	**12**	**125**	**20**	**145**	**50**	**-**	**50**	**195**
Total	**117**	**1345**	**255**	**1600**	**480**	**115**	**595**	**2195**

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	06	320	100	420	-	-	-	320	100	420
Kisan Mela	01	1500	500	2000	-	-	-	1500	500	2000
Kisan Ghosthi	10	130	100	230	-	-	-	130	100	230
Exhibition	08	300	200	500	-	-	-	300	200	500
Film Show	70	900	200	1100	100	-	100	1000	200	1200
Method Demonstrations	30	400	100	500	100	-	100	500	100	600
Farmers Seminar	04	50	50	100	-	-	-	50	50	100
Workshop	04	50	50	100	-	-	-	50	50	100
Group meetings	18	50	50	100	-	-	-	50	50	100
Lectures delivered as resource persons	35	2000	200	2200	250	50	300	2250	250	2500
Newspaper coverage	20	Mass media								
Radio talks	20									
TV talks	10									
Popular articles	05									
Extension Literature	10									
Advisory Services		1600	200	1800	150	50	200	1750	250	2000
Scientific visit to farmers field	50	1150	50	200	-	-	-	150	50	1200
Farmers visit to KVK	80	4000	600	4600	400	100	500	4400	700	5100
Diagnostic visits	50	120	-	120	-	-	-	120	-	120
Exposure visits	08	95	35	130	-	-	-	95	35	130
Ex-trainees Sammelan	01	100	-	100	-	-	-	100	-	100

Soil health Camp	04	100	-	100	-	-	-	100	-	100
Swachh Bharat Abhiyan	50	1000	250	1250	-	-	-	1000	250	1250
Animal Health Camp	02	2000	-	2000	-	-	-	2000	-	2000
Soil test campaigns	02	400	-	400	-	-	-	400	-	400
Farm Science Club Conveners meet	04	150	50	200	-	-	-	150	50	200
Self Help Group Conveners meetings	04	100	200	300	-	-	-	100	200	300
Celebration of important days (specify)	06	400	100	500	-	-	-	400	100	500
News Letter	04	700	100	800	175	25	200	875	125	1000
Total	**516**	**17615**	**3135**	**20750**	**1175**	**225**	**1400**	**18790**	**3360**	**22150**

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
Cereals	Wheat	DBW-71/ HD3059	150.00
	Paddy	PB-1509	150.00
Oilseeds	Toria/Mustard	YSH-401	1.00
	Til	JTS- 8	0.50
Pulses	Lentil	Pant lentil-8	5.00
	Arhar	Pusa-992	2.00
Vegetables	Garlic	Yamuna safed (G50)	0.25
Spices	Turmaric	Pant Pitabh	0.50
	Turmaric	Rajendra sonia	0.50
Total			**309.75 qt**

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Mango	Dushari 51	50
		lungra	50
		Amrapali	50
	Papaya	Selection I	50
		Red lady	50
	Lemon	Eureka	100
	Litchi	Rose scented	100
VEGETABLES	Chili	--	200
	Brinjal		200
	Tomato		200
	Cauliflower		200
	Cabbage		200
	Broocoli		100
	Knol-khol		100
	Red cabbage		200
ORNAMENTAL CROPS	Marigold	Pusa narangi	200
	Rose	Grief template	100 Cutting
Medicinal crop	Stevia		50

	Aloevera		50
	Kalmeg		50
	Beetle pan	Maghai	50
Fodder crop	BN Hybrid grass	CO5	20000
		CO4	10000
Total			32,350

BIO-PRODUCTS

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1	Vermicompost			10000
2	Vermiculture			50

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	01	
2	Technical reports	05	
3	News letters	02	Krishi Gyan Jyoti e magzine
4	Training manual all discipline	04	
5	Popular article	04	
6	Extension literature	04	
	Total	20	

(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	Vermicompost	01

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) Group Discussions

b)

Rural Youth

a) Group Discussions

b)

In-service personnel

a) As per the policy

b)

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	Mini Soil Test Lab	Two	104000/-

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers/Health Cards	No. of Villages	Amount to be realized
Soil Samples	1000	3000	01	-
Total	1000	3000	01	-

4. LINKAGES

4.1 Functional linkage with different organizations

S. No.	Name of organization	Nature of Linkage
1.	Various Divisions of IVRI	Advisory, consultancy, visits and training
2.	IARI, New Delhi	Mela visits and exhibitions
3.	CARI, Izatnagar	Training, visits, Procurement of chicks,
4.	IIPR, Kanpur	Procurement of HYV seeds
5.	GBPUA&T, Pant agar	Advisory, Kisan Mela, Visits, Procuring Seed/saplings
6.	SVBPUA&T, Meerut	Technical collaboration and trainings
7.	CSAUA&T, Kanpur	Procurement of HYV seeds
8.	State Dept. of Fisheries, Bareilly	Advisory, Kisan Gosthi, Meeting
9.	Fish Farmer Development Agency, Bareilly	Training Program Implementation, visit to Fish pond, Survey work
10.	Soil Testing Laboratory, Bilwa	Training, Testing of soil samples
11	Regional Agriculture Research Centre of UP Govt. Bilwa	Kisan Gosthi, Training, Farm Visit, Advisory
12	State Dept. of Horticulture	Advisory, Sapling distribution, Training field days, Field Visits
13	State Dept. of Plant protection	Advisory, Procurement of insecticides /pesticides
14	State Dept. of Animal Husbandry & ATMA Bareilly	Meeting, Advisory, Kisan Gosthi (District & Block level Training, Exhibition
15	State Dept. of Agriculture, Bareilly	CRM, NFSM on Oilseeds and Pulses, Advisory, participation in Kisan Goshthi (District & Block level Training)
16	IPM Lab, Bilwa	Technical collaboration and trainings
17	All India Radio, Rampur & Bareilly	For Radio Talk
18	Doordarshan, Bareilly	For TV coverage
19	NSC	Procurement of HYV seeds
20	Uttar Pradesh Seed and Tarai Seed Development Corporation	Seed procurement
21	Insurance Agencies	Conducting sessions in training program
22	NABARD, Bank of Baroda, Central Bank of India, Bareilly Kshetriya Gramin Bank	Consultancy, Training. Meeting, Kisan Gosthi
23	Dugdha Utpadak Sahkari Sangh, Bareilly	Training, Advisory Visits of Dairy Farm, Cooperatives, Diagnostic Survey, Animal Health
24	Military Artillery Units, 66 Engineering, Field Ambulance, Bareilly	Training, demonstration, advisory services
25	Fish-Hatcheries, Milak and Rudrapur, Karishma Fisheries Farm, Dalpatpur	For procurement of fingerlings & Field visits
26	MVRDA-NGO	Training and advisory services
27	NGO (Azad Hind Samajuthan and Prasar Shiksha Samiti, Bly)	To coordinate Goshthi, trainings Field Visits
28	Bhartiya Agro-Industries Foundation	Training, Animal Health Camps, Kisan Gosthi, Kisan Mela,
29	Nehru Yuva Kendra Trainings, consultancy and advisory services	Kendra Trainings, consultancy and advisory services
30	Sugarcane Development Council, Bareilly	Trainings, consultancy and advisory services, Field visits
31	Fertilizer companies-National Fertilizer Limited, Bareilly,IFFCO,BL Agro,Daiik Jagan, GAPSAM	Trainings, Demonstrations, Field Days, consultancy and advisory services, Field visits

4.2 Details of linkage with ATMA

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

S. No.	Programme	Nature of linkage
1	Training Programmes (On & OFF Campus)	Technical Support
2	Demonstrations	Technical Support
3	Exposure visits	Technical Support
4	Preparation of Literature	Technical Support
5	Capacity building of SHG	Technical Support
6.	Capacity building of Input Dealers (DAESI)	Technical & Administrative support

4.3 Give details of programmes under National Horticultural Mission; NA

S. No.	Programme	Nature of linkage
1		

4.4 Nature of linkage with National Fisheries Development Board : NA

S. No.	Programme	Nature of linkage
1		

5. Utilization of hostel facilities: NA

S. No.	Programme	No. of days
1		
	Total	

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	AC & ABC	MANAGE, Hyderabad	45 Days	8.00

7.2. Brief achievements of above collaborative programmes

S. No.	Name of Programme	Salient achievement	Impact of the programme
1	AC & ABC	Just Initiated	Knowledge and skill upgradation

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		
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	Crop Residue Management		
8	Doubling Farmers Income		
	Total		

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

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

ANNUAL ACTION PLAN

KVK LUCKNOW

(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
	Office	Fax	
ICAR-IISR, Raebareli Road, Lucknow	Office-0522 2480735, 2480736	0522 248738	kvklucknow@gmail.com

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

Address	Telephone		E-mail
	Office	FAX	
ICAR-IISR, Raebareli Road, Lucknow	0522 22998036	0522 2480738	director.sugarcane@icar.gov.in

1.3. Name of the Head with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	E-mail
Dr. A. K. Dubey		9454332536	akdubeykvkiisr@gmail.com

1.4. Year of sanction:1999

1.5. Staff Position

Sl. No.	Designation	Name of the incumbent	Discipline	Highest degree	Pay Scale (Rs.) Level	Date of Joining	Permanent / Temporary	Category
1.	Sr. Scientist and Head	Dr. Akhilesh Kumar Dubey	Ag. Extension	Ph.D	13A	20.07.2006	Permanent	Others
2.	SMS	Dr.Veenika Singh	Home Science	Ph.D.	11	29.08. 2005	Permanent	Others
3.	SMS	Dr.Deepak Rai	Plant Protection	Ph.D.	11	03.09. 2005	Permanent	Others
4.	SMS	Dr. S.K. Pandey	Agronomy	Ph.D.	11	18.02.2011	Permanent	Other
5.	SMS	Dr. Viveka Nand Singh	Horticulture	Ph.D.	10	07.03. 2011	Permanent	Others
6.	SMS	Dr. Rakesh Kumar Singh	Animal Science	Ph.D.	10	19.03. 1997	Permanent	Others
7.	SMS	Vacant						
8.	Programme Assistant	Vacant						
9.	Programme Assistant Computer	Ram Lakhan	Computer	B.Sc Computer	06	26.10.2012	Permanent	OBC
10.	Farm Manager	Deep Kumar	Horticulture	M. Sc. (Ag)	07	06.06.2011	Permanent	OBC
11.	Office Assistant	Vacant						
12.	Stenographer	Dhirendra Pratap Singh	Stenographer	B.Sc.	04	16.09.2010	Permanent	OBC
13.	Driver	Vacant						
14.	Driver	Kulpreet Singh*	Driver	B.Com.	06	10.09.2010	Permanent	Others
15.	Supporting staff	Anoop Chand Kol	SSS	B.A.	01	16.09.2010	Permanent	SC
16.	Supporting staff	Vacant						

Note: * staff attached with ICAR.IISR, Lucknow they are also work for KVK..

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	0.30ha.
2.	Under Demonstration Units	0.15ha.
3.	Under Crops	17.521ha.
4.	Orchard/Agro-forestry	1.00ha.
5.	Road	0.03 ha.
6.	Others (Integrated Farming System)	1.00 ha.
	Total	**20.0ha.**

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	16.8.11	550m^2	73.50			Good
2.	Farmers Hostel							
3.	Staff Quarters (6)							
4.	Demonstration Units (2)	ICAR	2005		1.8 lakh			Completed
5	Fencing							

2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1.	**Agricultural crop: Irrigated** - Wheat, Paddy, Sugarcane, Mentha, Field pea, Mustard **Rainfed** - Urd, Pigeon pea, Bengal gram and Groundnut
2.	**Fruit crops:** Mango, Banana, Guava and Papaya. **Vegetable crop:** Potato, Brinjal, Okra, Vegetable pea, Cabbage, **Floriculture:** Gladiolus, Marigold, Rose
3.	**Animal husbandry:** Cow, Buffaloes and Goat

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

S. No	Agro ecological situation	Characteristics
1.	AES-I	Sandy loam, loam and silty loam soil, irrigated through bore well. Major crops mango and other horticultural crops. Dairy is the major subsidiary occupation.
2.	AES-II	Silty loam and silty clay soil is existing this AES and mainly irrigated through bore well and canal. Main crops are paddy and mentha
3.	AES-III	Loamy sand and loamy soils in main dominated soil, irrigation facility is poor, mainly rainfed area and some areas are covered through bore well
4	AES-IV	Silty clay loam, silty loam and loamy soil is predominant. Irrigated through borewell. Diversified crops are being cultivated i.e. paddy, wheat, pulses, oilseeds, vegetables, fruits and flowers.

2.3 Soil types

S. No	Soil type	Characteristics	Area (ha)
1	Loamy soil	Porous, aerated and high water& nutrient retention capacity as well as sticky in nature	17304
2	Sandy loam	Porous, Well aerated and medium water holding capacity	22970
3	Silt loam	Porous, Well aerated and high water holding capacity	99301
4	Loam	Porous, aerated and high water& nutrient retention capacity as well as sticky in nature	28352
5	Silt clay loam	Porous, aerated and high water & nutrient retention capacity as well as sticky in nature	18357
6	Clay loam	Highly porous, well aerated and high water &nutrient retention capacity as well as sticky in nature	8725
7	Silt clay	Highly porous, well aerated and high water &nutrient retention capacity as well as sticky in nature	4526
		Total	**199715**

2.4. Area, Production and Productivity of major crops cultivated in the district: 2020-21

S. No	Crop	Area (ha)	Production (MT)	Productivity (q/ha)
A	**FIELD CROPS INCLUDING OIL SEEDS AND PULSES**			
Kharif				
1	Paddy	52020	935200	20.42
2	Maize	7.0	0.026	37.14
3	Bajra	1501	13790	14.68
4	Jowar	2116	14240	12.04
5	Coarse Grain	821	330	8.32
6	Urd	9342	30800	3.92
7	Moong	114	290	4.39
8	Arhar	0	0.322	9.42
9	Groundnut	94	1150	8.56
10	Til	796	2110	1.95
Rabi				
1	Wheat	83511	278.242	33.32
2	Jau (Barley)	164	0.428	26.10
3	Gram	1154	0.830	7.19
4	Pea	767	3712	7.86
5	Lentil	1915	1.594	8.32
6	Rai /Masturd	3375	2.045	6.06
7	Alsi	1	0.001	10.00
B	**Horticultural Crops**			
1	Mango	22000	2000000	10
2	Guava	550	11000	20
3	Banana and papaya	135	2800	30
4	Potato	4396	7232.30	164.52
	Vegetable Pea	2547	1655.60	65.0
6.	Bottel Gourd	1500	15000	10
7.	Pumpkin	900	30000	30
8.	Bitter Gourd	1500	22500	15

9.	Onion	3000	61750	20
10.	Cauliflower/ cabbage	825	24750	30
11.	Chilli	200	500	25

2.4 Priority/ Thrust Areas

S.N.	Thrust area
1.	Maintenance of soil productivity through crop residue management, green manuring, biofertilizer, vermicomposting.
2.	Maintenance of soil productivity through integrated nutrient management in paddy-wheat rotation
3.	Quality seed production
4.	Diversification of cereal based farming system with incorporation of Fodder, oilseed, pulses and horticultural crops
5.	Balance use of fertilizers with popularizing bio-fertilizer & seed treatment.
6.	Commercial green fodder production and fodder seed production.
7.	Integrated pest management in horticultural crops.
8.	Improving the nutritional status of school going children and farm women.
9.	Improving health of potato seed stocks at farmers field, using seed plot technique
10.	Introduction of processing varieties of potato for quality aspects (Chips, French fries and Aloo ki bhujia & papar)
11.	Improving health of mango orchard and quality parameters
12.	Introduction of high yielding varieties of vegetable pea and okra
13.	Drudgery reduction in farm women using small and improved agricultural equipments.
14.	Value addition and processing of fruits and vegetables.
15.	Integrated cattle management in milch animals through Vaccination against H.S., B.Q. , FMD. Diseases, deworming and supplementation of mineral mixture.

TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK during 2023:

<table>
<tr><th colspan="2">OFT</th><th colspan="5">FLD</th></tr>
<tr><th rowspan="2">No. of OFTs</th><th rowspan="2">No. of Farmers</th><th colspan="2">Crops</th><th colspan="2">Livestock</th></tr>
<tr><th>Area (ha)</th><th>No. of Farmers</th><th>No. of unit</th><th>No. of Farmers</th></tr>
<tr><td rowspan="4">15</td><td rowspan="4">75</td><td>189.5</td><td colspan="2">882</td><td>1075 (Farm Families)</td><td>3700 (Animals)</td></tr>
<tr><td colspan="3">FLD on Other Enterprises</td><td colspan="2">Women Empowerment</td></tr>
<tr><td>Enterprises</td><td>No. of Farmers</td><td>No. of Unit</td><td>No. of Farmers</td><td>No. of Demonstration</td></tr>
<tr><td>Kitchen Garden</td><td>200</td><td>200</td><td rowspan="2">20</td><td rowspan="2">20</td></tr>
<tr><td></td><td>Value Addition</td><td>20</td><td>20</td></tr>
</table>

Training			Extension Activities	
Type of Training	**No. of Training**	**No. of Participants**	**No. of activities**	**No. of participants**
Farmers and Farm women	91	1820	1538	9330
Vocational Training	12	200		
In-service Training	10	215		
Other Training for FPOs and extension officials	08	200		
Skill development training for	07	140		

farmers/rural youth on payment Basis				
	128	2575		
Seed Production -644 q	**Vegetables Planting material (Nos.)** 50000	**Hybrid Napier/Dhawaloo** 5000 root slips		

3.1 ON FARM TRIALS

OFT-1

Particulars	**Contents**
Title	Effect of organic input on yield of Urd in Zaid crop
Problem diagnosed	Farmers are using chemical fertilizers and pesticides unjustified manner and depleting environment and health of society
Micro farming situation	Irrigated
Details of technology identified for solution	T_1- Farmers Practices- using chemical fertilizers and pesticides T_2- Vermicompost @ 6 ton/ha T3- Vermicompost @ 4 ton/ha +Rhizobium + PSB
No. of farmers	5
Replications	5
Critical inputs	Seed, Organic manure and bio fertilizers
Production system	Rice-wheat system
Source of technology	SHUATs, Naini
Total Cost	Rs 10000/-
Observation to be recorded	Growth and yield parameters and cost of cultivation
Reaction of the farmers	Social adoption/rejection

OFT-2

Particulars	**Contents**
Title	Evaluation of high zinc and iron rich varieties of wheat
Problem diagnosed	Malnutrition due to lack of zinc and iron in their daily diets. Due to canal irrigation system, deficiency of zinc in soil.
Micro farming situation	Irrigated
Details of technology identified for solution	T_1: Farmers practices (HD 2967) T_2: Malviya 838
No. of farmers	5
Replications	5
Critical inputs	Seed and Herbicide
Production system	Rice-Wheat-Mentha
Source of technology	ICAR-IIWBR, Karnal
Total Cost	Rs 12000/-
Observation to be recorded	Yield and quality parameter, economics
Reaction of the farmers	Social adoption/rejection

OFT-3

Particulars	**Contents**
Title	Pest management in mango orchards.
Problem diagnosed	Mango crop of Lucknow district suffering from infestation of sucking and chewing pests especially hoppers, thrips, leaf webber which affected crop growth and production also.
Micro farming situation	Irrigation
Details of technology identified for solution	T_1-Farmers Practices- Lamdacylothrin 5 EC @1.0ml /litre water (Spray seven times), Hexaconazole 5 EC/ Carbendazim @2.0ml /litre water/ Carbendazim 2 gram/ litre water (Three times). T_2- Two spray of Lamdacylothrin 5 EC @1.0ml /litre water, September Ist week and March IIIrd week. One Spray of Hexaconazole 5 EC@1.0ml /litre water in March IIIrd week. Yellow sticky trap installed in Ist week of March +Blue sticky trap installed in April IInd week + Light trap use in Ist week of June (two hour every day after sunset) + Fruit fly trap use in the month of IVth week of June.

No. of farmers	5
Critical inputs	Lamdacylothrin 5 EC, Hexaconazole5EC,Yellow sticky trap, Blue sticky trap
Production system	Integrated pest management
Source of technology	ICAR-CISH, Lucknow
Total Cost	Rs. 23000.00
Observation to be recorded	Pest incidence,Yield and C:B ratio
Reaction of the farmers	Technology acceptability/rejection

OFT-4

Particulars	**Contents**
Title	Management of yellow stem borer in Paddy crop
Problem diagnosed	In Kharif season major area of Lucknow district covered under paddy crop. This crop having high incidence of different insects like hopper and yellow stem borer. Which affected crop growth and yield also.
Micro farming situation	Irrigated
Details of technology identified for solution	T_1 - Farmers Practices-No use of pesticides T_2- Foliar spray of Lamdacylothrin 5 EC @0.5ml/lit water+ Use of Yellow sticky trap@ 25/ha after 20 DAT+60 DAT, Use of Pheromon trap 25 /ha after 20 DAT + 60 DAT , Use of Light trap 3/ ha after 30 DAT , Two hour every day after sunset), installed Bird percher @ 20/ha
No. of farmers	5
Critical inputs	Lamdacylothrin 5 EC,Yellow sticky trap and Pheromon trap, Light Trap
Source of technology	ICAR-Indian Institute of Rice Research, Hyderabad
Total Cost	8500.0
Observation to be recorded	1. Yield and C:B ratio, 2.Perscent incidence of disease
Reaction of the farmers	Technology acceptability/rejection

OFT-5

Particulars	**Contents**
Title	Evaluation of different methods of button mushroom composting.
Problem diagnosed	Farmers generally use long method of preparation of button mushroom compost in Lucknow district due to which their fruiting time reduced and get less return as compared to crop potential.
Micro farming situation	Irrigated
Details of technology identified for solution	T_1 - Farmers Practices-Long duration method of composting without use of poultry manure (28days) T_2 - Long duration method of composting by use of poultry manure.(28 days) T_3-Short duration method of composting by use of poultry mannure. (17 days)
No. of farmers	5
Critical inputs	Poultry Manure, Formalin, lime, Spawn, Pesticides, Neem Khali, cockpit etc.
Source of technology	ICAR-Directorate of Mushroom Research, Solan, HP
Total Cost	20,000
Observation to be recorded	1. Yield and C:B ratio, 2.Quality, 3. Time
Reaction of the farmers	Technology acceptability/rejection

OFT-6

Particulars	**Contents**
Title	Assessment of different canopy management system in mango tree
Problem diagnosed	Low quality yield & income due to dense mango orchard without canopy management
Micro farming situation	Irrigated
Details of technology identified for solution	T_1: Farmer practice (Canopy management techniques not practiced in Mango orchard) T_2: Center opening of Mango Tree in orchard (October to December)
No. of farmers	05
Replications	05

Critical inputs	Fungicides, pruning tools and expenditure
Production system	Sole mango orchard
Source of technology	ICAR-CISH, Lucknow
Total Cost	Rs 10,000/-
Observation to be recorded	Fruits size, quality & yield (q/ha), economics
Reaction of the farmers	Social adoption/rejection

OFT-7

Particulars	**Contents**
Title	Assessments of sulphate of potash and micronutrients on yield of banana
Problem diagnosed	Low and poor quality yield of banana
Micro farming situation	Irrigated
Details of technology identified for solution	T_1: Farmers practices (Basal application/top dressing of NPK) T_2: Post shooting foliar spray of sulphate of potash @ 1.5 % (first spray was done immediately after complete emergence of bunch and second spray was done 15 days after the first spray) + banana Shakti (If the soil pH is more than 8.5, foliar spray of 2% Banana Shakti at 4, 5 and 6 months after planting. If the soil pH is less than 8.5, soil application of 10g Banana Shakti per plant at 3 months after planting.)
No. of farmers	05
Replications	05
Critical inputs	Fertilizer
Production system	Rice-Wheat-Mentha
Source of technology	ICAR-NRC Banana, Tiruchirapalli
Total Cost	Rs 10000/-
Observation to be recorded	Yield and quality parameter, economics
Reaction of the farmers	Social adoption/rejection

OFT-8

Particulars	**Contents**
Title	Assessment of water soluble fertilizer on production of mentha foliage and oil.
Problem diagnosed	Low economic return from mentha crop
Micro farming situation	Irrigated, sandy loam soil
Details of technology identified for solution	$T_{1:}$ Farmer practice (basal dose of N: P: K @ 80:60:0 kg/ha and micronutrient @ 20 kg/ha). $T_{2:}$ Basal dose of 75% RDF on soil test based (RDF N: P: K; 150:60:40 kg/ha and micronutrient 25kg/ha) + four foliar spray of water soluble fertilizer N: P: K (18:18:18) @ 5g /lit water at 30 DAP, 45 DAP & 60 DAP.
No. of farmers	05
Replication	05
Critical inputs	Water soluble fertilizer NPK 18:18:18
Production system	Rice- Mustard- Mentha
Source of technology	CSIR-CIMAP, Lucknow
Total Cost	Rs 10,000/-
Observation to be recorded	Growth parameter, foliage yield, oil production, C:B ratio.
Reaction of the farmers	Social Adoption

OFT-9

Particulars	**Contents**
Thematic area	Drudgery reduction
Title	Enhancing work efficiency and reducing drudgery of farm women involved in paddy threshing
Problem diagnosed	Low work efficiency and high drudgery in manual threshing of paddy
Micro farming situation	Irrigated
Details of technology identified for	T_1 Framers practice (manual threshing of paddy)

solution	T_2 Use of pedal operated paddy thresher
No. of farmers	05
Replications	05
Critical inputs	Pedal operated paddy thresher
Production system	Rice-Wheat-Mentha, Rice-Toria-Mentha,
Source of technology	ICAR-CIAE, Bhopal / ICAR-IISR, Lucknow
Total Cost	Rs 25,000/-
Observation to be recorded	Work efficiency, Economic, Labour Saving (Man-days)
Reaction of the farm women	Social: Acceptability

OFT-10

Particulars	Contents
Title	Performance of UMMB supplementation to maintain milk yield in buffalo.
Problem diagnosed	Animals fed on poor quality crop residues, deficient in nitrogen, minerals and vitamins due to that infertility and low milk yield problems occurs.
Micro farming situation	Irrigated
Details of technology identified for solution	T_1 Farmers Practices - locally available ration T_2 Readymade cattle feed+ UMMB
Stage of animal	Lactating buffalo (on 2nd or 3rd calving)
No. of farmers	5
Critical inputs	Wheat bran, Molasses, ,Cement, Mineral Mixture, Common salt and Vitamin A & D_3 (UMMB)
Production system	Dairy farm Management
Source of technology	ICAR-IVRI, Izzatnagar
Total Cost	Rs 10,000.00 /-
Observation to be recorded	Milk production, Conception rate, Estrus cycle
Reaction of the farmers	Technology acceptability / rejection

OFT-11

Particulars	Contents
Title	Varietal evaluation of lucerne.
Problem diagnosed	Unavailability of suitable variety
Micro farming situation	Irrigated
Details of technology identified for solution	T_1- Farmers Practices T_2- Improved variety SS-627 T_3- Improved variety Anand-2 T_4- Improved variety IGFRI S 244
No. of Farmers	5
No. of replication	5
Critical inputs	Seed
Production system	MP Chari/ Sorghum- Berseem
Source of technology	ICAR-IGFRI, Jhansi
Total Cost	Rs 10,000.00/-
Observation to be recorded	Green fodder production and economics
Reaction of the farmers	Technology acceptability/ rejection

OFT-12

Particulars	Contents
Title	Assessment of cultivation practices of natural farming and organic farming in comparison with conventional farming in Rice-Wheat crop.
Problem diagnosed	Farmers use inorganic fertilizer and pesticides in different crop injudicious manner, which reduces soil fertility and degrade microbial consortia present in soil. Which results increase in cost of cultivation and unsatisfactory yield with poor quality production.
Micro farming situation	Irrigated
Details of technology	**T_1- Farmers Practices -** use of inorganic chemicals (NPK-120:60:40 and use of

identified for solution	pesticides and herbicides) in Rice-Wheat cropping system **T_2-(Organic Farming Practices)-** Follow of organic based cultivation practices- **Soil Management-** Soil test including microbial population, residue management by use of bio-decomposer; green mannering with Sesbania, Use of FYM 15-20 t/ha enrich with Trichoderma sp @ 2 kg per q compost, NPK bio-fertilzer consortia 1 litre multiply in 100 kg FYM upto 72 hour and apply as basal dose. Use of Neem cake: 500 kg/ha as basal dose, **Seed/ Seedling treatment in paddy crop** - treatment with Trichoderma sp @ 5 gram/kg seed/ NPK bio-fertilzer consortia 250 ml for 30 Kg. seed. Seedling treatment with NPK bio-fertilzer 1 litre/ha after dissolve in 10 litre water for 30 minute for root deeping of seedlings. **Seed Treatment in Wheat crop**- treatment with Trichoderma sp @ 5 gram/kg seed/ NPK bio-fertilzer consortia 250 ml for 30 Kg. seed. **Mannures-** Use of vermi-compost 25q/ha enrich with Azotobacter: 10 kg/ha, PSB: 10 kg/ha, spray of Sagarika2 ml/litre water at 30 DAT/ DAS, 75 DAT/DAS and 100 DAT/ DAS, Spray of cow urine 5 ml and Vermi wash 5 ml /litre water after 20 DAT/ DAS , **Irrigation-** As per requirement. **Transplanting / Sowing method**- Line transplanting and sowing. **Weed control –** In paddy use of cono-weeder at 15 DAT and 30 DAT / Manual weeding. In Wheat crop, use of paddy straw for mulching after sowing of Wheat./ Mannual Weeding. **Management of insect pest in paddy crop –** 1. Five spray of neem oil @ 5 ml/lit water for control of insect at 20 days interval . 2. Use of 25 Sticky trap/ ha, 3. use of 25 pheroman trap/ha. 4. Five Light trap/ha. 5. Use of 20 Bird percher / ha. **T_3- Natural Farming Practices** **Soil Management-** Soil test including microbial population, residue management by use of bio-decomposer; Green mannering with Sesbania , Use of FYM 15-20 t/ha enrich with Trichoderma sp @ 2 kg per q compost, Use of Neem cake: 500 kg/ha as basal dose, **Seed/ Seedling Treatment in paddy crop** - Seed/ seedling treatment with Beejamrit@25 lit per 100kg seed. **Mannures-** 1. Broadcast mixture of 250 kg. Ghanjeevamrit/ ha 2. Use of Jivamrit @ 500 l/ha with irrigation water, 6 times at 20 days interval. **3.** Spray of Jeevamrit 500 litre /ha three times @ 35 days interval **Transplanting / Sowing method**- Line transplanting and sowing. **Weed control –** In paddy crop use of cono-weeder at 15 DAT and 30DAT /Manual weeding. In Wheat crop, use of paddy straw for mulching after sowing of Wheat / mannual weeding. **Management of insect pest in paddy crop –** 1.Spray of Neemastra @30-40 ml per lit water. 2.Bramhastra @ 20-30 ml per litre water. 3. Agneyastra @ 20-25 ml per lit water 4. Dashparni ark @30-40 ml per litre water as per pest incidence. Use of 25 Sticky trap/ ha, use of 25 pheroman trap/ha. 3-4 Light trap/ha. Use of 20 Bird percher / ha.
No. of farmers	5
Critical inputs	Seeds, Organic manure and Bio pesticides.
Source of technology	National Centre for Organic Farming, Gaziabad, UP . Natural Farming Model of Sri Subhash Palekar Ji.
Total Cost	Rs 20000.0
Observation to be recorded	1. Yield and C:B ratio, 2.Quality, Microbial population in soil.
Reaction of the farmers	Technology acceptability/rejection

OFT-13

Particulars	Contents
Title	Assessment of cultivation practices of natural farming and organic farming in comparison to conventional farming in vegetable cropping system (Okra-Vegetable Pea- Bottel gourd).
Problem diagnosed	Farmers use inorganic fertilizer and pesticides in different crop injudicious manner, which reduces soil fertility and degrade microbial consortia present in soil. Which results increase in cost of cultivation and unsatisfactory yield with poor quality production.
Micro farming situation	Irrigated
Details of technology identified for solution	**T_1**- Farmers Practices**(Conventional Farming Practices)-** use of inorganic based cultivation practices in Okra-Vegetable Pea- Bottel gourd cultivation. **T_2-(Organic Farming Practices)-** Follow of organic based cultivation practices- **Crop-** Okra (June to September) -Vegetable Pea (October to January)- Bottel gourd (January to March) **Soil Management-** Soil test including microbial population, residue management by use of bio-decomposer; Green mannering with Sesbania (April to May) , Use of FYM 15-20 t/ha enrich with Trichoderma sp @ 2 kg per q compost, NPK bio-fertilzer consortia 1 litre multiply in 100 kg FYM upto 72 hour and apply as basal dose. Use of Neem cake: 500 kg/ha as basal dose, **Seed/ Seedling Treatment** - Treatment with Trichoderma sp @ 5 gram/kg seed, Seed/ Seedling treatment with Rhizobium/ PSB / Azotobactor culture/ NPK bio-fertilizer consortia 250 ml for 30 Kg. seed. Seedling treatment with NPK bio-fertilizer consortia 1 litre/ha after dissolve in 10 litre water for 30 minute for root deeping of seedlings/ Drenching. **Mannures-** Use of vermi-compost 25q/ha enrich with Azotobacter: 10 kg/ha, PSB: 10 kg/ha, spray of Sagarika2 ml/litre water at 30 DAS/ DAT, 45 DAS/DAT and 60 DAS/ DAT, 75 DAS/ DAT. Spray of cow urine 5 ml and Vermi wash 5 ml /litre water after 25 DAS/ DAT , 40 DAS/ DAT. Irrigation- As per Requirement. **Transplanting / Sowing method**- Line sowing, Transplanting. **Weed control –** Mulching with crop residue ,use of Hand weeder/ Power Weeder at 15 DAT and 30DAT, /Manual weeding. **Management of insect pest–** 1. 5 spray of neem oil@ 5 ml/lit water for control of insect at 20 days interval . 2. Use of 25 Stiky trap/ ha, 3 use of 25 pheroman trap/ha. 4. 5 Light trap/ha. 5. Use of 20 Bird percher / ha. Soil application of Trichoderma 25 kg with FYM. **T_3-(Natural Farming Practices)-** **Soil Management-** Soil test including microbial papulation , Residue Management by use of Bio-decomposer Green Mannering with Sesbania , Use of FYM 15-20 t/ha enrich with trichoderma sp @ 2 kg per q compost. **Seed/ Seedling Treatment** - Seed/ seedling treatment with Beejamrit@25 lit per 100kg seed. **Mannures-** 1. Broadcast mixture of 250 kg. Ghanjeevamrit/ ha 2. Use of Jivamrit @ 500 l/ha with irrigation water, 6 times at 15 days interval. **3.** Spray of Jeevamrit 500 litre /ha three times @ 25 days interval **Transplanting / Sowing method**- Line sowing and Transplanting. **Weed control –** Mulching with crop residue **,** use of Hand-weeder/Power Weeder at 15 DAT and 30DAT /Manual weeding. **Management of insect pest–** 1.Spray of Neemastra @30-40 ml per lit water. 2.Bramhastra @ 20-30 ml per litre water. 3. Agneyastra @ 20-25 ml per lit water 4. Dashparni ark @30-40 ml per litre water as per pest incidence. Use of 25 Stiky trap/ ha, use of 25 pheroman trap/ha. 3-4 Light trap/ha. Use of 20 Bird percher / ha.
No. of farmers	5
Critical inputs	Seeds, Organic manure and Bio pesticides.

Source of technology	National Centre for Organic Farming, Gaziabad, UP. Natural Farming Model of Sri Subhash Palekarji,
Total Cost	Rs 12000.0
Observation to be recorded	1. Yield and C:B ratio, 2.Quality, Microbial population.
Reaction of the farmers	Technology acceptability/rejection

OFT-14

Particulars	**Contents**
Title	Assessment of production management system of natural farming and organic farming in comparison with conventional farming system of mango.
Problem diagnosed	Farmers use inorganic fertilizer and pesticides in different crop injudicious manner, which reduces soil fertility and degrade microbial consortia present in soil. Which results increase in cost of cultivation and unsatisfactory yield with poor quality fruits .
Micro farming situation	Irrigated
Details of technology identified for solution	**T_1**- Farmers Practices **(Conventional Farming Practices)-** • Use of inorganic based agri input in mango crop (Use of N.P.K. 12: 32:16 @3 kg per plant in the month of September-October, FYM 50kg/ plant) • Lamdacylothrin 5 EC @1.0ml /litre water (Spray seven times), Hexaconazole5EC/ Carbendazim@2.0ml /litre water/ Carbendazim 2 gram/ litre water (Three times) **T_2- Organic Farming Practices-** Follow of organic based cultivation practices- **Nutrient Management-** Soil test including microbial population. Use of FYM 100kg/plant in the month of September enrich with Trichoderma sp @100 gram + Use of Neem cake: 5kg /plant as basal dose; 1 kg FYM / plant (NPK bio-fertilizer consortia 1 litre multiply in 100 kg FYM upto 72 hour and apply as basal dose in the month of October). Use of Sagarika granules 500 gram/plant in the month of September . Use of vermi-compost 10 kg/plant enrich with Azotobacter: 100 gram + PSB: 100 gram before flowering stage. spray of Sagarika 2 ml/litre water at before flowering stage. Spray of cow urine 5 ml + Vermiwash 5 ml /litre water before pea stage. **Irrigation-** As per Requirement. **Weed control-** Use of shredder , cover cropping **Management of insect pest**-1. Training & pruning of plant, 2. Grease banding in the month of October 3. spray of neem oil@ 5 ml/lit water for control of insect. 4. Use of 50 Stiky trap/ ha, 5. use of 50 pheroman trap/ha. 6. 5 Light trap/ha. 7. Free range poultry farming for control of insect. **T_3-Natural Farming Practices-** Soil test including microbial population , 3.Use of FYM 100kg/plant in the month of September enrich with Trichoderma sp @100 gram ; 1 kg FYM / plant (NPK bio-fertilizer consortia 1 litre multiply in 100 kg FYM upto 72 hour and apply as basal dose in the month of October). Ghan jeevamrit and 10 kg /plant . Use of Jivamrit @ 500 l/ha with irrigation water, 6 times at 15days interval. spray of Sagarika 2 ml/litre water at before flowering stage. Spray of cow urine 5 ml + Vermiwash 5 ml /litre water before pea stage. **Weed control-** Use of shredder , cover cropping **Management of insect pest-** 1. Training & Pruning of plant, 2. Grease banding in the month of October 3. spray of neem oil@ 5 ml/lit water for control of insect. 4. Use of 50 Stiky trap/ ha, 5. use of 50 pheroman trap/ha. 6. 5 Light trap/ha. Spray of neemastra @30-40 ml per lit water , bramhastra @ 20-30 ml per lit water, agneyastra @ 20-25 ml per lit water and dashparni @30-40 ml per lit water as per pest incidence/ praventive. Use of 25 Stiky trap/ ha, use of 25 pheroman trap/ha.3-4 Light trap/ha. at regular interval. 7. Free range poultry farming for control of insect.
No. of farmers	5
Critical inputs	Organic manure and Bio pesticides.
Source of technology	ICAR-CISH , Lucknow, U.P.

Total Cost	Rs 20000.0
Observation to be recorded	1. Yield and C:B ratio, 2. Fruit Quality, 3. Microbial population
Reaction of the farmers	Technology acceptability/rejection

OFT-15

Particulars	**Contents**
Title	Assessment of production management system of natural farming and organic farming in comparison to conventional farming system in Banana .
Problem diagnosed	Farmers use inorganic fertilizer and pesticides in different crop injudicious manner, which reduces soil fertility and degrade microbial consortia present in soil. Which results increase in cost of cultivation and unsatisfactory yield with poor quality fruit.
Micro farming situation	Irrigated
Details of technology identified for solution	**T_1-** Farmers Practices **(Conventional Farming Practices)- U**se of inorganic based cultivation practices in Banana crop. NPK 190:115:300 gram /plant in 6 split dose. NPK application in one month, Two month, N& K application in Three month, four month, five month after planting and last one is just complete emergence of bunch . Application of Lamdacylothrin 5 EC @1.0ml /litre water (Spray six times), Hexaconazole5EC/ Thiophinate methyle @2.0ml /litre water/ Carbendazim 2 gram/ litre water (four times). **Planting distance :** 1.8X1.8 **T_2- Organic Farming Practices -** Follow of organic based cultivation practices- **Nutrient Management-** Soil test including microbial population, green mannering with Sesbania; residue management by use of Bio-decomposer; Use of FYM 35-40 t/ha enrich with Trichoderma sp @ 2 kg per q compost in 8 split , NPK bio-fertilizer consortia 1 litre multiply in 100 kg FYM up to 72 hour and apply as basal dose. Use of Neem cake: 1000 kg/ha as basal dose. **Planting distance :** 1.8X1.8 M **Seedling Treatment -** Drenching with NPK bio-fertilizer consortia 1 litre/ha after dissolve in 10 litre water after transplanting. Use of vermi-compost 25q/ha enrich with Azotobacter: 10 kg/ha, PSB: 10 kg/ha, at 30 DAP, 75 DAP and 100 DAP, 6 spray of Sagarika @ 2 ml/litre water at 40 DAP, 70 DAP and 100 DAP, 130 DAP, 160 DAP, 190 DAP. 10 Spray of cow urine 5 ml + Vermi-wash 5 ml /litre water, at 30 days interval Irrigation- As per Requirement. **Weed control –** Use of power weeder/ small tractor / manual weeding. **Management of insect pest-** 1. 10 spray of neem oil@ 5 ml/lit water for control of insect. 2. Use of 25 Sticky trap/ ha, 3 use of 25 pheroman trap/ha at regular interval. 4. 10 Light trap/ha. **T_3-Natural Farming Practices-** **Nutrient Management-** Soil test including microbial population, green mannering with Sesbania; residue management by use of Bio-decomposer; Use of FYM 35-40 t/ha enrich with Trichoderma sp @ 2 kg per q compost in 8 split , NPK bio-fertilizer consortia 1 litre multiply in 100 kg FYM up to 72 hour and apply as basal dose. Application of Ghanjeevamrit 300gram/pit **Seedling Treatment -** Seedling treatment with Beejamrit. Application of Jivamrit @ 500 l/ha with irrigation water, 10 times at 30 days interval. **Weed control** – Use of power weeder/ small tractor / manual weeding. **Management of insect pest-** Spray of Neemastra @30-40 ml per lit water ,Bramhastra @ 20-30 ml per lit water, Agneyastra @ 20-25 ml per lit water and Dashparni @30-40 ml per lit water as per pest incidence. Use of 25 Sticky trap/ ha, use of 25 Pheroman trap/ha. Use of 10 Light trap/ha.
No. of farmers	5
Critical inputs	Organic manure and Bio pesticides.
Source of technology	Natural Farming Model of Sri Subhash Palekar Ji.
Total Cost	Rs 20000.0
Observation to be	1. Yield and C:B ratio, 2.Quality, Microbial population.

recorded	
Reaction of the farmers	Technology acceptability/rejection

3.2 Frontline Demonstrations (2023)

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 and pulses commercial crops.)**

3.2.1. Oilseeds and pulses (Under National Food Security Mission)

	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.	Sesamum	ICM	Popularization of Improved Variety (GJT 5)	Seed/Pesticide/Training	Kharif 2023	10	30	Yield/Profit/ Other technological parameters
2.	Mustard	ICM	Popularization of Improved variety of Mustard (Giriraj/RH 725)	Seed	Rabi 2023-24	15	60	Yield/Profit/ Other technological parameters
3.	Green Gram	ICM	Popularization of Improved Variety (Shikha)	Seed/Pesticide/Training	Kharif 2023	10	30	Yield/Profit/ Other technological parameters
4.	Black Gram	ICM	Popularization of Improved Variety (Pratap Urd 1)	Seed/Pesticide/Training	Kharif 2023	20	60	Yield/Profit/ Other technological parameters

3.2.2Other 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.	Wheat	ICM	Popularization of Improved Variety (DBW187/303)	Seed/Herbicide	Rabi 2023-24	10	60	Yield/Profit/ Other technological parameters
2.	Paddy	IPM	IPM	Fipronil0.3% GR @20Kg./ha	Kharif 2023	10	25	Yield/Profit/Other technological parameters
3.	Rice - Wheat	ICM	Natural Farming	Seeds of different crops, pesticides ,Yellow sticky trap, Bluesticky trap,Jivamrit, Ghanjeevamrit, Agneyastr, Bramsatr, Dashparni	Round the year	1.25	5	Yield/Profit/Other technological parameters

3.2.3 Horticultural crop

Sl. No.	Crop/ variety	Thematic area	Technology for demonstration	Critical inputs	Season & year	Area (ha)	No. of farmers	Parameters identified Yield/Profit/Other technological parameters
1.	Cowpea	ICM	Popularization of Improved Variety Kashi Nidhi	Seed	Kharif/ Zaid 2023-	1	20	Yield/Profit/ Other technological parameters
2.	Banana	ICM	Popularization of bunch cover	Bunch covering polythene	2023	1	10	Yield/Profit/ Other technological parameters
3.	Kharif Onion	ICM	Popularization of kharif onion variety L-883/ Bhima Shakti/ Bhima Super	Seedling	Kharif 2023	1	20	Yield/Profit/ Other technological parameters
4.	Vegetable pea	ICM	Popularization of improved variety G-10	Seed	Rabi 2023	5	25	Yield/Profit/ Other technological parameters
5.	Broccoli	Exotic vegetable	Popularization of exotic vegetable cv. Sakhi	Seedling	Rabi 2023	1	10	Yield/Profit/ Other technological parameters
6.	Red Cabbage	Exotic vegetable	Popularization of exotic vegetable cv. red Jewel	Seedling	Rabi 2023	0.5	10	Yield/Profit/ Other technological parameters
7.	Onion	ICM	Popularization of improved variety Bhima Kiran	Seedling	Rabi 2023	1	10	Yield/Profit/ Other technological parameters
8.	Tomato	ICM	Raised bed planting on polythene mulching	Polythene mulching sheet	Rabi-2023	1	10	Yield/Profit/ Other technological parameters
9.	French Bean	ICM	Popularization of French bean cv. HAFB-2/ HAFB-4	Seed	Rabi-2023	0.5	10	Yield/Profit/ Other technological parameters
10.	Kalonji	ICM	Popularization of Kalonji cv. Ajmer Nigella-20	Seed	Rabi-2023	1.0	100	Yield/Profit/ Other technological parameters
11.	Potato	IPM	Management of leaf curl mosaic and late blight of potato	Thiomethoxam25% WG (0.25gm/lit.) + Yellow Sticky Trap (25/ha) &Mancozeb 75%WP(2.5 gram/lit) + Propineb 70 WP (3gm. /lit.)	Rabi 2023	5	12	Yield/Profit/ Other technological parameters
12.	Mango	IPM	Management of leaf webber	Lamdacyhalothrin 5 EC (1.0 ml/lit)	Kharif 2023	10	25	Yield/Profit/ Other technological parameters
13.	Mango	IPM	Mgt of insects	Light Trap 1trep/acer	Rabi-2023	10	25	Yield/Profit/ Other technological parameters
14.	Cucurbits	IPM	Management of fruit fly(25/ha.) through fruit fly trap	Fruit Fly Traps	Zaid 2023	10	25	Yield/Profit/ Other technological parameters
15.	Mango	IPM	Management of fruit	Fruit Fly Traps	Rabi-	20	50	Yield/Profit/ Other

			fly(25/ha.) through fruit fly trap	500 trap	2203			technological parameters
16.	Tomato-Vegetable Pea-Bottle gourd	ICM	Natural Farming	Seeds of different crops, pesticides ,Yellow sticky trap, Bluesticky trap, Jivamrit, Ghanjeevamrit, Agneyastr, Bramsatr, Dashparni	Round the year	1.25	10	Yield/Profit/Other technological parameters
17.	Mango	ICM	Natural Farming	Yellow sticky trap, Bluesticky trap,Jivamrit, Ghanjeevamrit, Agneyastr, Bramsatr, Dashparni	Round the year	2.0	5	Yield/Profit/Other technological parameters

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.	Sweet sorghum	Feed & fodder	Performance of improved variety-CSH 22SS	Seed	Kharif 2023	20	15	Yield/Profit/Other technological parameters
2.	Forage sorghum	Feed & fodder	Performance of improved variety-(CSV 30F, CSV 32F)	Seed	Kharif 2023	10	15	Yield/Profit/Other technological parameters
3.	Barseem	Feed& fodder	Performance of improved variety JHB-146	Seed	Rabi 2023	10	50	Yield/Profit/Other technological parameters
4.	Perennial grasses	Feed & fodder	Performance of improved variety-Hybrid Napier	Slips of different grasses	Kharif 2023	01	25	Availability round the year
5.	Cowpea	Feed & fodder	Performance of improved variety (Russian Giant)	Seed	Zaid 2023	01	20	Yield/Profit/Other technological parameters
6.	Maize	Green Fodder	Performance of improved variety (African Tall)	Seed	Kharif 2023	5	50	Yield/Profit/Other technological parameters
7.	Oat	Green Fodder	Performance of improved variety (Kent)	Seed	Rabi 2023	5	50	Yield/Profit/Other technological parameters

3.2.5 FLD on Other enterprises

S.No.	Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters	
					Demo	Check
1.	Kitchen Gardening	Nutritional kitchen gardening (Zaid: Kharif: Rabi)	100	100	Total availability of horticultural produce to farm families. Anthropometric measures	--
2.	Kitchen Gardening	Roof top kitchen gardening (Zaid: Kharif: Rabi)	100	100	Availability of pesticide free vegetables throughout year	--
3.	Value addition	Preservation of vegetable pea	20	20	Yield after blanching/ 100 kg, Colour of green pea after blanching, Shelf-life.	--

3.2.6 FLD on Women Empowerment

Category	Name of technology	No. of Farmer	No. of demonstrations	Name of observations
Women Empowerment	Tomato puree	10	10	Utilization of time and cost of production
Women Empowerment	Tomato ketchup	10	10	Production of mango powder

C. Details of FLD on Enterprises

(i) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Critical input	Performance parameters / Indicators
Vaccination	-	500	1500	Raksha Tribac vaccine	Incidence of diseases
Deworming in lactating animals	-	500	2000	Albendazole	Increase in milk yield
Production of UMMB	-	15	50	UMMB	Increase in milk yield
Vermicompost production	-	10	-	Vermicompost production technology	Increase in production and other parameter
Mineral mixture	-	50	150	Mineral mixture	Increase in milk yield and fertility

B. Extension and Training activities under FLD

Sl.No.	Activity	No. of activities To be organize	Month	Number of Participants
1	Field days	36	January to December, 2023	400
2	Farmers Training	36	January to December, 2023	720
3	Media coverage	25	January to December, 2023	Mass
4	Training for extension functionaries	4	January to December, 2023	80

Training (Including the sponsored and FLD training programmes):

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I. Crop Production								
Integrated cropping system	8	120	-	120	40	-	40	160
II. Horticulture								
a) Vegetable Crops								
Vegetable Nursery Management	2	30	-	30	10	-	10	40
Commercial cultivation	2	30	-	30	10	-	10	40
b) Fruits								
III. Livestock Production and Management								
Dairy management	1	15	0	15	5	0	5	20
Disease management	1	15	-	15	5	-	5	20
Feed management	2	30	-	30	10	-	10	40
IV. Home Science/Women empowerment								
Drudgery management	1	-	15	15	-	5	5	20
Kitchen Gardening	2	-	30	30	-	10	10	40
Value addition	3	-	45	45	-	15	15	60
V. Plant Protection								
Integrated Pest Management	2	30	-	30	10	-	10	40
Bio control of pest and diseases	1	15	-	15	5	-	5	20
VI. Capacity Building and Group Dynamics/ Agril. Extn.								

Formation and management of SHGs	2	40	-	40	10	-	10	50
Formation of Farmers Producer Organization	4	80	-	80	20	-	20	100
Marketing module	2	40	-	40	10	-	10	50
TOTAL(A)	**33**	**445**	**90**	**535**	**135**	**30**	**165**	**700**
(B) RURAL YOUTH								
Horticulture Nursery	1	7	0	7	3	0	3	10
Mushroom production	1	6	0	6	4	0	4	10
Poultry production	1	10	5	15	4	1	5	20
Fish Farming	1	10	5	15	4	1	5	20
Value addition	1	0	6	6	0	4	4	10
Beekeeping	1	10	5	15	4	1	5	20
Income generation	5	75	0	75	25	0	25	100
TOTAL(B)	**11**	**118**	**21**	**139**	**44**	**7**	**51**	**190**
(C) Extension Personnel								
Cropping Systems								
Integrated Pest Management	1	16		16	4		4	20
Resources conservation technology	2	40	0	40	10	0	10	50
Exotic Vegetables/organic farming	2	28	0	28	12	0	12	40
Livestock feed and fodder production	1	14	-	14	6	-	6	20
Women and child care	3	42	0	42	18	0	18	60
Farm Mechanization	1	20	0	20	5	0	5	25
TOTAL(C)	**10**	**160**	**0**	**160**	**55**	**0**	**55**	**215**
TOTAL(A+B+C)	**54**	**723**	**111**	**834**	**234**	**36**	**270**	**1104**

OFF Campus:

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I. Crop Production								
Total								
II. Soil Health and Fertility Mng.								
Total								
III. Horticulture								
a) Vegetable Crops								
Commercial cultivation of vegetables	10	150	-	150	50	-	50	200
Others	1	15	-	15	5	-	5	20
b) Fruits								
Cultivation of fruit	1	15	-	15	5	-	5	20
Others	1	15	-	15	5	-	5	20
c) Ornamental Plants								
d)Tuber Crops								
e) Spices								
Other	1	15	-	15	5	-	5	20
Total	**14**	**210**	**-**	**210**	**70**	**-**	**70**	**280**
IV. Livestock Production and Management								
Dairy Management	2	30	-	30	10	-	10	40
Piggery Management	1	15	-	15	5	-	5	20
Disease Management	4	60	-	60	20	-	20	80
Feed &fodder technology	5	75	-	75	25	-	25	100
Other	1	15	-	15	5	-	5	40
Total	**13**	**195**	**-**	**195**	**65**	**-**	**65**	**260**
V. Home Science/Women empowerment								
Rural craft								
Household food security by kitchen gardening and nutrition gardening	2	-	30	30	-	10	10	40
Storage loss minimization techniques	1	-	15	15	-	5	5	20
Location specific drudgery reduction technologies	1	-	15	15	-	5	5	20
Value addition	2	-	30	30	-	10	10	40
Women & Child Care	3	-	45	45	-	15	15	20
Drudgery Reduction								
Food Adulteration	1	-	15	15	-	5	5	20

Others	2	-	30	30	-	10	10	40
Total	**12**	**-**	**180**	**180**	**-**	**60**	**60**	**240**
VI. Plant Protection								
Integrated Pest Management	10	150	-	150	50	-	50	200
Integrated Disease Management	4	60	-	60	20	-	20	80
Bio control of pest and diseases	1	15	-	15	5	-	20	20
Total	**15**	**225**		**225**	**75**		**75**	**300**
VII. Production of Inputs at site								
Vermicompost Production	1	15	-	15	5	-	5	20
Capacity Building								
Training for FPOs	4	80	0	80	20	0	20	100
TOTAL(A)	**59**	**725**	**180**	**905**	**235**	**60**	**295**	**1200**
(B) RURAL YOUTH								
TOTAL(B)								
(C) Extension Personnel								
Resources conservation technologies in Rabi crops	01	20	-	20	05	-	05	25
Resources conservation technologies in Kharif crops	01	20	-	20	05	-	05	25
TOTAL(A+B+C)	**61**	**785**	**180**	**965**	**245**	**60**	**305**	**1270**

B) 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	
(A) Farmers & Farm Women								
I. Crop Production								
Integrated Crop Management	8	120	-	120	40	-	40	160
Total	**8**	**120**	**-**	**120**	**40**	**-**	**40**	**160**
II. Soil Health and Fertility Mng.								
III. Horticulture								
a) Vegetable Crops								
Vegetable Nursery Management	2	30	-	30	10	-	10	40
Commercial cultivation of vegetables	12	180	-	180	60	-	60	240
Others	1	15	-	15	5	-	5	20
b) Fruits								
Cultivation of fruit	1	15	-	15	5	-	5	20
Others	1	15	-	15	5	-	5	20
c) Ornamental Plants								
d)Tuber Crops								
e) Spices								
Other	1	15	-	15	5	-	5	20
Total	**18**	**270**	**-**	**270**	**90**	**--**	**90**	**360**
IV. Livestock Production and Management								
Dairy Management	2	30	-	30	10	-	10	40
Piggery Management	1	15	-	15	5	-	5	20
Disease Management	5	75	-	75	25	-	25	100
Feed &fodder technology	7	105	-	105	35	-	35	140
Other	1	15	-	15	5	-	5	40
Total	**16**	**240**	**-**	**240**	**80**	**-**	**80**	**320**
V. Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	4	-	60	60	-	20	20	80
Storage loss minimization techniques	1	-	15	15	-	5	5	20
Location specific drudgery reduction technologies	2	-	30	30	-	10	10	20
Value addition	5	-	75	75	-	25	25	100
Women & Child Care	3	-	45	45	-	15	15	20
Food Adulteration	1	-	15	15	-	5	5	20
Others	2	-	30	30	-	10	10	40
Total	**18**	**-**	**270**	**270**	**-**	**90**	**90**	**360**
VI. Plant Protection								
Integrated Pest Management	12	180	-	180	60	-	60	240

Integrated Disease Management	4	60	-	60	20	-	20	80
Bio control of pest and diseases	2	30	-	30	10	-	10	40
Total	**18**	**270**	**-**	**270**	**90**		**90**	**360**
VII. Production of Inputs at site								
Vermicompost Production	1	15	-	15	5	-	5	20
VI. Capacity Building and Group Dynamics/ Agril. Extn.								
Formation and management of SHGs	2	40	-	40	10	-	10	50
Formation of Farmers Producer Organization	4	80	-	80	20	-	20	100
Marketing module	2	40	-	40	10	-	10	50
Total	**9**	**175**	**-**	**175**	**45**	**-**	**45**	**220**
TOTAL(A)	**79**	**1090**	**270**	**1360**	**350**	**90**	**440**	**1580**
(B) RURAL YOUTH								
Horticulture Nursery	1	7	0	7	3	0	3	10
Mushroom production	1	6	0	6	4	0	4	10
Poultry production	1	10	5	15	4	1	5	20
Fish Farming	1	10	5	15	4	1	5	20
Value addition	1	0	6	6	0	4	4	10
Beekeeping	1	10	5	15	4	1	5	20
Income generation	5	75	0	75	25	0	25	100
TOTAL(B)	**11**	**118**	**21**	**139**	**44**	**7**	**51**	**190**
(C) Extension Personnel								
Integrated Pest Management	1	16		16	4		4	20
Resources conservation technology	2	40	0	40	10	0	10	50
Exotic Vegetables/organic farming	2	28	0	28	12	0	12	40
Livestock feed and fodder production	1	14	-	14	6	-	6	20
Women and child care	3	42	0	42	18	0	18	60
Farm Mechanization	1	20	0	20	5	0	5	25
TOTAL(C)	**10**	**160**	**0**	**160**	**55**	**0**	**55**	**215**
TOTAL(A+B+C)	**100**	**1255**	**190**	**1445**	**500**	**40**	**540**	**1985**

Details of training programmes (January to December 2023)

(1) Farmers & Farm women

Crop Production

Title of the training programme	Date of Training	Duration in days	Venue (Of f / On Campus)	Number of participants			Number of SC/ST			Grand Total
				Male	Female	Total	Male	Female	Total	
Scientific cultivation of Oilseed crop	18.01.2023	1	Off	15	-	15	5	-	5	20
Scientific cultivation of Oilseed crop	06.02.2023	1	Off	15	-	15	5	-	5	20
Package and practices of Black gram	20.05.2023	1	Off	15	-	15	5	-	5	20
Integrated Weed Management practice in Kharif season.	12.05.2023	1	Off	15	-	15	5	-	5	20
Integrated Weed Management practice in Kharif season.	12.06.2023	1	Off	15	-	15	5	-	5	20
Soil Health improvement through resource conservation technology	15.06.2023	1	Off	15	-	15	5	-	5	20
Intgrated Nutrient Management	01.07.2023	1	Off	15	-	15	5	-	5	20
Intgrated Nutrient Management	10.08.2023	1	Off	15	-	15	5	-	5	20
Integrated Cropping for doubling farmer	02.09.2023	1	Off	15	-	15	5	-	5	20

income.										
Integrated Cropping for doubling farmer income	22.09.2023	1	Off	15	-	15	5	-	5	20
Preparation and demonstration of Bijamrit, Jivamrit and Ghanamrit	23.09.2023	1	On	15	-	15	5	-	5	20
Preparation and demonstration of Bijamrit, Jivamrit and Ghanamrit	23.10.2023	1	On	15	-	15	5	-	5	20
Seed Production Technologies for cereal crops	09.10.2023	1	Off	15	-	15	5	-	5	20
Seed Production Technologies for cereal crops	09.11.2023	1	Off	15	-	15	5	-	5	20
Soil Health improvement through resource conservation technology	10.11.2023	1	Off	15	-	15	5	-	5	20
Scientific Cultivation of Oil seed in Rabi Season	11.11.2023	1	Off	15	-	15	5	-	5	20
Scientific Cultivation of Oil seed in Rabi Season	05.12.2023	1	Off	15	-	15	5	-	5	20
Integrated Weed Management practice in Rabi season	06.12.2023	1	Off	15	-	15	5	-	5	20
Integrated Weed Management practice in Rabi season	22.12.2023	1	Off	15	-	15	5	-	5	20
Integrated Weed Management practice in Wheat and pulse crop.	25.12.2023	1	Off	15	-	15	5	-	5	20

Home Science

Title of the training programme	Date of Training	Duration in days	Venue (Of f / On Campus)	Number of participants			Number of SC/ST			Grand Total
				Male	Female	Total	Male	Female	Total	
Vegetable pea preservation technology	18.01.2023	1	On	15	-	15	5	-	5	20
Preparation of mixed vegetable pickle	28.01.2023	1	Off	15	-	15	5	-	5	20
Value added products of lemon	06.02.2023	1	On	15	-	15	5	-	5	20
Value added product of potato	13.02.2023	1	ON	15	-	15	5	-	5	20
Value added product of tomato	27.02.2023	1	ON	15	-	15	5	-	5	20
Preparation of mango squash	03.03.2023	1	Off	15	-	15	5	-	5	20
Preparation of mango pickle	10.06.2023	1	ON	15	-	15	5	-	5	20

Management rooftop kitchen gardening	01.07.2023	1	Off	15	-	15	5	-	5	20
Management rooftop kitchen gardening	10.08.2023	1	Off	15	-	15	5	-	5	20
Management of nutritional kitchen gardening	02.09.2023	1	Off	15	-	15	5	-	5	20
Drudgery management for farm women	22.09.2023	1	Off	15	-	15	5	-	5	20
Immunization of child	23.09.2023	1	Off	15	-	15	5	-	5	20
Balance diet for children	23.10.2023	1	Off	15	-	15	5	-	5	20
Balance diet for lactating women	11.10.2023	1	Off	15	-	15	5	-	5	20
Heath and Sanitation	09.11.2023	1	Off	15	-	15	5	-	5	20
Scientific storage of cereal and pulses	10.11.2023	1	Off	15	-	15	5	-	5	20
Methods for preparation of weaning foods	11.11.2023	1	Off	15	-	15	5	-	5	20
Management of nutritional kitchen gardening	22.12.2023	1	On	15	-	15	5	-	5	20

Horticulture

Title of the training programme	Date of Training	Duration (days)	Venue (Off / On Campus)	Number of participants			Number of SC/ST			Grand Total
				Male	Female	Total	Male	Female	Total	
Cultivation of kharif onion	28.01.2023	1	OFF	15	-	15	5	-	5	20
Commercial cultivation of cowpea	06.02.2023	2	ON	15	-	15	5	-	5	20
Vegetable nursery management	20.05.2023	1	OFF	15	-	15	5	-	5	20
Commercial production of guava	12.05.2023	1	OFF	15	-	15	5	-	5	20
Cultivation of tissue culture banana	13.06.2023	1	OFF	15	-	15	5	-	5	20
Integrated Nutrient Management in mango	15.06.2023	1	OFF	15	-	15	5	-	5	20
Commercial cultivation of tomato	12.08.2023	1	OFF	15	-	15	5	-	5	20 20
Commercial cultivation of kalonji	21.08.2023	1	ON	15	-	15	5	-	5	20
Commercial cultivation of French bean	15.09.2023	1	OFF	15	-	15	5	-	5	20
Commercial cultivation of vegetable pea	22.09.2023	1	OFF	15	-	15	5	-	5	20
Scientific cultivation of	28.09.2023	1	OFF	15	-	15	5	-	5	20

French bean										
Commercial cultivation of broccoli	28.09.2023	1	ON	15	-	15	5	-	5	20
Commercial cultivation of red cabbage	07.10.2023	1	OFF	15	-	15	5	-	5	20
Commercial cultivation of broccoli	09.10.2023	1	ON	15	-	15	5	-	5	20
Commercial cultivation of red cabbage	11.10.2023	1	OFF	15	-	15	5	-	5	20
Commercial Cultivation of onion	30.10.2023	1	OFF	15	-	15	5	-	5	20
Commercial Cultivation of onion	02.11.2023	1	OFF	15	-	15	5	-	5	20
Commercial cultivation of Cowpea	02.12.2023	1	OFF	15	-	15	5	-	5	20

Plant Protection

Title of the training programme	Date of Training	Duration (days)	Venue (Of f / On Campus)	Number of participants			Number of SC/ST			Grand Total
				Male	Female	Total	Male	Female	Total	
Pest management in menthe crop	07.04.2023	1	Off	15	-	15	5	-	5	20
IPM in okra	06.05.2023	1	On	15	-	15	5	-	5	20
IPM in cucurbits	10.05.2023	1	On	15	-	15	5	-	5	20
Management of fruit fly in mango	10.06.2023	1	On	15	-	15	5	-	5	20
IPM in urd & moong	03.07.2023	1	Off	15	-	15	5	-	5	20
IPM in paddy crop	04.08.2023	1	Off	15	-	15	5	-	5	20
Natural farming through IPM tools	05.08.2023	1	Off	15	-	15	5	-	5	20
Pest Management of vegetable nursery	04.09.2023	1	Off	15	-	15	5	-	5	20
Use of bioagents for disease management in vegetable crop	07.09.2023	1	Off	15	-	15	5	-	5	20
IPM in brinjal crop	04.10.2023	1	Off	15	-	15	5	-	5	20
Pest Management in natural farming	17.11.2023	1	Off	15	-	15	5	-	5	20
IPM in Tomato crop	18.11.2023	1	Off	15	-	15	5	-	5	20
Disease management in vegetable pea	09.12.2023	1	Off	15	-	15	5	-	5	20
IPM in mustard crop	11.12.2023	1	Off	15	-	15	5	-	5	20
IPM in cole crop	15.12.2023	1	Off	15	-	15	5	-	5	20

IPM in potato crop	16.12.2023	1	Off	15	-	15	5	-	5	20
IDM in onion and garlic	19.12.2023	1	Off	15	-	15	5	-	5	20
IPM in mango	20.12.2023	1	Off	15	-	15	5	-	5	20

Live Stock:

Title of the training programme	Date of Training	Duration (days)	Venue (Of f / On Campus)	Number of participants			Number of SC/ST			Grand Total
				Male	Female	Total	Male	Female	Total	
Balance ration for lactating animal	20.01.2023	1	On	15	-	15	5	-	5	20
Management of HS & FMD disease in livestock	27.01.2023	1	On	15	-	15	5	-	5	20
Production of sugar rich green fodder throughout the year	17.02.2023	1	On	15	-	15	5	-	5	20
Management for dairy establishment	24.02.2023	1	Off	15	-	15	5	-	5	20
Production of perennial fodder grasses	15.03.2023	1	Off	15	-	15	5	-	5	20
Management of mastitis disease in milch animal	24.03.2023	1	Off	15	-	15	5	-	5	20
Balance diet for lactating animals	22.04.2023	1	Off	15	-	15	5	-	5	20
Production and management of green fodder round the year	19.05.2023	1	Off	15	-	15	5	-	5	20
Goat farming for small and marginal farmer	25.05.2023	1	Off	15	-	15	5	-	5	20
Management of mortality in buffalo calf	22.06.2023	1	Off	15	-	15	5	-	5	20
Vermicompost production through different crop residues	28.07.2023	1	Off	15	-	15	5	-	5	20
Preparation of hey and silage in scarcity period	17.08.2023	1	Off	15	-	15	5	-	5	20
Management of milk production	23.09.2023	1	Off	15	-	15	5	-	5	20
Pig farming for small farmers	28.10.2023	3	On	15	-	15	5	-	5	20
Fodder crop rotation for availability of green fodder round the year	25.11.2023	1	Off	15	-	15	5	-	5	20
Management of infertility in dairy animal	30.11.2023	1	Off	15	-	15	5	-	5	20
Management of ecto and endo parasite in dairy animal	09.12.2023	1	Off	15	-	15	5	-	5	20

Other Training Programme:

Title of the training programme	Date of Training	Duration (days)	Venue (Of f / On Campus)	Number of participants			Number of SC/ST			Grand Total
				Male	Female	Total	Male	Female	Total	
Formation of Farmers Producer Organization	12.02.2023	1	Off	20	-	20	5	-	5	25
Formation of Farmers Producer Organization	03.04.2023	1	Off	20	-	20	5	-	5	25
Strengthening of Farmers Producer Organization	13.05.2023	1	Off	20	-	20	5	-	5	25
Marketing module for sale of Agricultural produce	19.05.2023	1	On	20	-	20	5	-	5	25
Strengthening of Farmers Producer Organization	07.06.2023	1	On	20	-	20	5	-	5	25
Marketing module for sale of Agricultural produce	16.06.2023	1	On	20	-	20	5	-	5	25
Strengthening of SHG/NRLM	05.07.2023	1	Off	20	-	20	5	-	5	25
Strengthening of SHG/NRLM	07.08.2023	1	On	20	-	20	5	-	5	25

(2) Vocational training programme for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month of Training	Duration (days)	No. of Participants			SC/ST participants			Grand Total
					M	F	Total	M	F	Total	
Vermicompost	Organic manure production	Establishment of vermicompost unit and their management	September 2023	5	10	-	10	5	-	5	15
Mushroom Production	Mushroom	Production of button mushroom	Oct. to Nov. 2023	15	6	-	6	4	-	4	10
Field and Horticultural crops	Integrated Farming System	Usage of Organic Input under Integrated Farming Systems for Livelihood Security	Round the year	5	7	3	10	3	2	5	15
Horticultural crops	Seed and Planting material	Commercial vegetable nursery management	June-July 2023	5	7	-	7	3	-	3	10
Income Generation	PHT	Value added products of fruits and vegetables	February 2023	5	-	6	6	-	4	4	10
Bee -Keeping	Bee-Keeping	Bee-Keeping	August 2023	7	10	5	15	4	1	5	20
Fish farming	Fisheries	Fish farming	May 2023	7	15	-	15	5	-	5	20
Back-yard poultry	Poultry farming	Back-yard poultry farming	June 2023	10	15	-	15	5	-	5	20
Mango	Organic Farming	Production of organic mango	September 2023	5	10	5	15	5	-	5	20
Vegetable	Organic Farming	Production of organic vegetables	August 2023	5	10	5	15	5	-	5	20
Wheat	Organic Farming	Production of organic Wheat	Oct. 2023	5	10	5	15	5	-	5	20
Milk	Organic Dairy Farming	Production of organic Milk	Nov./Dec. 2023	3	10	5	15	5	-	5	20

iii) Training programme for extension functionaries

Clientele	Title of the training programme	Date of Training	Duration in days	Venue (Of f / On Campus)	Number of participants			Number of SC/ST			Grand Total
					Male	Female	Total	Male	Female	Total	
Aaganwari worker	Immunization of child	15.04.23	1	On	-	14	14	-	6	6	20
Aaganwari worker	Management of nutritional kitchen gardening	20.06.23	1	On	-	14	14	-	6	6	20
Aaganwari worker	Rooftop gardening	08.11.23	1	On	-	14	14	-	6	6	20
Extension Officers	Resources conservation technologies in Kharif crops	18.05.23	1	On	20	-	20	5	-	5	25
ADO agri./BTM	IPM in field crops	14.06.23	1	On	16	-	16	4	-	4	20
Live Stocks Extension Officers	Livestock production and management	15.06.23	1	On	14	-	14	6	-	6	20
Horticulture Inspector/ BTM/ATM	Organic Farming of Vegetable crops	15.07.23	1	On	14	-	14	6	-	6	20
Horticulture Inspector/ BTM/ATM	Organic Farming of Fruit Crops	25.11.23	1	On	14	-	14	6	-	6	20
Extension Officers	Farm Mechanization	10.08.23	1	On	20	-	20	5	-	5	25
Extension Officers	Resources conservation technologies in Rabi crops	12.10.23	1	Off	20	-	20	5	-	5	25

iv) *Tentative Training programme for skill development of farmers/rural youth on payment basis from other district residing in Lucknow:

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants		
				M	F	Total
Vermicompost	Organic manure production	Establishment of vermicompost unit and their management	10	10	10	20
Mushroom Production	Mushroom	Mushroom production	10	10	10	20
Horticultural crops	Planting material	Commercial fruit and vegetable nursery management	10	10	10	20
Entrepreneurship development	Post-harvest management	Processing and value addition of fruits and vegetables	10	10	10	20
Bee-Keeping	Bee-Keeping	Bee- Keeping	10	15	5	20
Fish farming	Fisheries	Fish farming	10	15	5	20
Poultry farming	Poultry	Poultry farming	10	15	5	20

***Proposed fee Rs. 2000 per trainees for 10 days training.**
*** After approval of competent authority.**

3.4. Extension Activities (including activities of FLD programme

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	36	600	50	650	140	10	150	540	60	**800**
Kisan Ghosthi	4	200	200	400	15	10	25	215	210	**425**
Kisan Mela	1	300	200	500	10	10	20	310	210	**520**
Film Show	40	0	0	400	0	0	200	0	0	**600**
Method Demonstrations	10	300	250	550	15	10	25	315	260	**575**
Group meetings	10	200	100	300	5	5	10	205	105	**310**
Newspaper coverage	10	0	0	0	0	0	0	0	0	0
Radio talks	5	0	0	0	0	0	0	0	0	0
TV talks	5	0	0	0	0	0	0	0	0	0
Popular articles	8	0	0	0	0	0	0	0	0	0
Advisory Services	250	0	0	0	0	0	0	0	0	2500
Scientific visit to farmers field	150	0	0	0	0	0	0	0	0	1500
Farmers visit to KVK	1000	0	0	0	0	0	0	0	0	1000
Self Help Group /FPO Conveners meetings	5	0	0	0	0	0	0	0	0	100
Animal health /vaccination camp	4	0	0	0	0	0	0	0	0	1000
Total	**1538**	**1600**	**800**	**2800**	**185**	**45**	**430**	**1585**	**845**	**9330**

3.5 Target for Production and supply of Technological products January to December, 2023

Sl. No	Crop	Variety*	Qty targeted (q)	Season
I	**Seed Production**			
A	**Cereals**			
1.	Rice	HUR-971	50	Kharif
2.	Wheat	DBW-187	50	Rabi
B	**Oilseeds and pulses**			Rabi
1.	**Mustard**	RT-749	15	Rabi
2..	Chickpea	GNG-2144	10	Rabi
3.	Pigeon pea	NDA-2	08	Kharif
C	**Vegetables**			
1.	Vegetable Pea	Kashi Uday	05	Rabi
2.	Elephant foot yam	Gajendra-1	01	Zaid
D	**Spices**			

1.	**Turmeric**	Megha-1	05	Zaid
	Sugarcane	Colk - 14201	500	Spring planting
II	**Seedling Production**			
	Crop	**Variety***	**Qty targeted (No.)**	**Season**
C	**Fodder Crop**			
1	Hy. Naipear	Hy. Naipear	3000 root slips	Round the year
2.	Guinea/Dhawaloo	Dhawaloo	2000 root slips	Round the year
D	**Fruit Crop**			
1.	Mango	Dasahri, Amrapali, Mallika, Langda, Chausa, Ramkela, Ambika, Arunika etc.	20000	Kharif
2.	Guava	Lalit, Sweta, Dhawal, Lalima, & Lucknow-49, etc.	10000	Kharif
3.	Lemon	Pant lemon-1	1000	Kharif
4.	Drum stick	PKM-1, PKM-2	1000	Kharif
E	**Vegetable Seedling**	Tomato, Brinjal, Chilli, Cabbage, Cauliflower, Broccoli, Red cabbage, Onion, Cucurbits, etc.	50000	Rabi, Kharif and Zaid
F	**Other Technology**			
1.	UMMB	UMMB	50 Bricks	Feb. to March
2.	Vermicompost	Jai Gopal (Red worm)	50 Qt.	April - March

3.6. Literature to be Developed/Published

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

(B) Literature to be developed /published

S. No.	Item	Number of copies
1.	Research papers	3
2.	Technical reports	10
3.	Technical bulletins	2
4.	Popular articles	15
5.	**TOTAL**	**30**

Action plan of ARYA Project: 2023

- **Button Mushroom:**
  - Production Technology of Button Mushroom
  - No. of training programs - 01
  - No. of youth to be involved – 25
- **Quality seed and Planting Material:**
  - Production of quality seed of wheat and Sapling of different horticultural crops
  - No. of training programs - 02
  - No. of youth to be oriented - 50
- **Value Added Products:**
  - Preparation of different value added products of horticultural & vegetables crops
  - No. of training programs - 01
  - No. of youth to be oriented - 25

Action Plan: Year-2023

Project: District Agro-met Unit (DAMU) under *Gramin Krishi Mausam Sewa*.
KVK, ICAR-IISR, Lucknow

- To create bi-weekly Agro-met advisory bulletins and send to district farmers through whatsapp group.
- To conduct training programmes-12
- To conduct Farmers Awareness programmes-12
- To Disseminate Agro-met advisories bulletins through different extension system like All India Radio (AIR) and Doordarshan, Private TV and radio channels, Newspaper, Internet, You Tube channel etc.
- To create Facebook account and You Tube channel and new whatsapp groups of district farmers also.
- To write success stories of farmers and uploaded on agro-met site.
- To collect weekly real-time dynamic feedback from Lucknow district farmers.
- To develop crop weather calendar (CWC)/ insects or diseases weather calendar (PWC) of different crops.
- Farmers field visit-12
- To collect soil moisture observation on different depth at farmer's field of Lucknow district.
- Publication: Success Stories, Research Papers, Popular articles and Leaflets

0ACTION PLAN, 2023

(January- 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		
ICAR-Krishi Vigyan Kendra-II, ICAR.IISR, Manjhra Farm, Nighasen Road,Pin code -261506	-	-	Kvklakhimpur2@gmail.com	Lakhimpurkheri2.kvk4.in

1. 2. Name of host organization:

Address	Telephone		E mail	Website
	Office	FAX		
ICAR- Indian Institute of Sugarcane Research, Raebareli Road, Post: Dilkusha, Lucknow. 226002 (U.P.)	0522 2482527	0522 2480738	director.sugarcane@icar.gov.in	iisr.icar.gov.in

2. Training programme to be organized (January, 2023 to December, 2023)

(a) Farmers and Farmwomen

Thematic area	Title of Training	No. of course	Duration (days)	Venue On/Off	No. of Participants								
					SC		ST		Other		Total		
					M	F	M	F	M	F	M	F	T
Integrated pest management	Integrated disease and pest management in Sugarcane	1	2	Off	5	5	-	-	20	-	25	5	30
Integrated Pest management	Integrated pest management in Rice	1	1	Off	5	5	-	-	20	-	25	5	30
Integrated Disease management	Integrated disease and management in Brinjal	1	1	Off	5	5	-	-	20	-	25	5	30
Integrated Disease management	Disease management in cucurbitaceous crops	1	1	Off	5	5	-	-	20	-	25	5	30
Integrated Pest management	Fruit fly management in horticultural crops	1	1	Off	5	5	-	-	20	-	25	5	30
Integrated Disease management	Disease and pest management in nursery crops	1	1	Off	5	5	-	-	20	-	25	5	30
Exotic vegetables	Training on Roof top Gardening	1	1	Off	5	5	-	-	20	-	25	5	30
Exotic vegetables like Broccoli	Training on scientific cultural practices/ nutrient management in Broccoli	1	1	Off	5	5	-	-	20	-	25	5	30
Off-season vegetables	Training on production of off season vegetable	1	1	Off	5	5	-	-	20	-	25	5	30
Nursery raising	Training on nursery production of Pointed Gourd	1	1	Off	5	5	-	-	20	-	25	5	30
Export potential vegetables	Training on scientific cultural practices/ nutrient management in Tomato	1	1	Off	5	5	-	-	20	-	25	5	30
Nursery raising	Training on nursery production of vegetables	1	1	Off	5	5	-	-	20	-	25	5	30
Nursery raising	Nursery management in Cole crops	1	1	On	5	5	-	-	20	-	25	5	30
Protective cultivation	Protected cultivation of vegetables for	1	2	Off	5	5	-	-	20	-	25	5	30

	entrepreneurship development												
Poultry Management	Scientific poultry farming	1	1	Off	5	5	-	-	20	-	25	5	30
Disease Management	Disease management in poultry	1	2	Off	5	5	-	-	20	-	25	5	30
Feed management	Scientific feed management in cattle	1	1	Off	5	5	-	-	20	-	25	5	30
Goat farming	Scientific Goat farming for entrepreneurship development	2	2	Off	10	10	-	-	40	-	50	10	60
Total		**19**	**22**	**-**	**95**	**95**	**-**	**-**	**380**	**-**	**475**	**95**	**570**

(b) Rural Youth

	Title of Training	**No.**	**Duration**	**Venue On/ Off**	**No. of Participants**								
					SC		**ST**		**Other**		**Total**		
					M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
Mushroom cultivation	Agrowaste management through Oyster mushroom cultivation	1	2	Off	10	10	0	0	10	0	25	5	30
Mushroom cultivation	Promotion of Oyster mushroom cultivation in tarai belt of Lakhimpur Kheri	1	2	Off	10	10	0	0	10	0	20	10	30
Mushroom cultivation	Oyster mushroom cultivation and its nutritional benefits	1	2	Off	10	10	0	0	10	0	20	10	30
Mushroom cultivation	Cultivation & economics of Shitake mushroom cultivation	1	3	Off	0	0	15	15	0	0	15	15	30
Mushroom cultivation	Mushroom cultivation for employment generation	1	3	Off	10	5	0	0	15	0	25	5	30
Mushroom cultivation	Employment generation through button mushroom cultivation	1	3	Off	10	10	0	0	10	0	20	10	30
Mushroom cultivation	Hands on Skill Training on compost preparation for Button mushroom cultivation	1	7	Off	10	10	0	0	10	0	20	10	30
Mushroom cultivation	Button Mushroom Cultivation Technology for Agri-Business Entrepreneurs	1	2	Off	10	10	0	0	10	0	20	10	30

Production of organic inputs	On farm production of bioagents for ecofriendly pest management	1	1	Off	10	10	0	0	10	0	20	10	30
Planting material production	Propagation methods of fruit crops for quality planting material production	1	2	Off	5	5	-	-	20	0	25	5	30
Protected cultivation of vegetable crops	Protected cultivation of vegetables for entrepreneurship development	1	2	Off	5	5	-	-	20	0	25	5	30
Nursery Management	Training on nursery production of seasonal flowers	1	1	On	5	5	-	-	20	0	25	5	30
Sheep and goat rearing	Scientific goat farming	1	1	Off	5	5	-	-	20	0	25	5	30
Poultry production	Scientific poultry chicks production and management	2	2	Off	10	10	-	-	40	0	50	10	30
Total		**15**	**33**	**-**	**115**	**110**	**15**	**15**	**205**	**0**	**335**	**125**	**460**

(c) Extension Functionaries

Abstract of Training: Consolidated table (ON and OFF Campus)

Farmers and Farm women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
II. Horticulture													
a) Vegetable Crops													
Off-season vegetables	01	20	-	20	5	5	10				25	5	30
Nursery raising	03	60	-	60	15	15	30				75	15	90
Exotic vegetables like Broccoli Lettuce Cale etc	02	40		40	10	10	20				50	10	60
Export potential vegetables	01	20	-	20	5	5	10				25	5	30
Protective cultivation (Green Houses, Shade Net etc.)	01	20	-	20	5	5	10				25	5	30
TOTAL	**08**	**160**	**0**	**160**	**40**	**40**	**80**	**0**	**0**	**0**	**200**	**40**	**240**
IV. Livestock Production and Management													
Poultry Management	01	20	-	20	5	5	10	-	-	-	25	5	30
Disease Management	01	20	-	20	5	5	10	-	-	-	25	5	30
Feed management	01	20	-	20	5	5	10	-	-	-	25	5	30
Others, if any (Goat farming)	02	40		40	10	10	20				50	10	60
TOTAL	**05**	**100**	**0**	**100**	**25**	**25**	**50**	**0**	**0**	**0**	**125**	**25**	**150**
V. Home Science/Women empowerment													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	3	60	0	60	15	15	30	0	0	0-	75	15	90
Integrated Disease Management	3	60	0	60	15	15	30	0	0	0-	75	15	90
Others, if any (Mushroom Cultivation)	**6**	**120**	**0**	**120**	**30**	**30**	**60**	**0**	**0**	**0**	**150**	**30**	**180**
TOTAL													
GRAND TOTAL	**19**	**380**	**0**	**380**	**95**	**95**	**190**	**0**	**0**	**0**	**475**	**95**	**570**

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	9	85	0	85	80	75	155	15	15	30	180	90	270
Production of organic inputs	1	20	0	20	5	5	10	0	0	0	25	5	30
Planting material production	1	20	0	20	5	5	10	-	-	-	25	5	30
Protected cultivation of vegetable crops	1	20	0	20	5	5	10	-	-	-	25	5	30
Nursery Management of Horticulture crops	1	20	0	20	5	5	10	-	-	-	25	5	30
Sheep and goat rearing	1	20	0	20	5	5	10	-	-	-	25	5	30
Poultry production	2	40		40	10	10	20				50	10	60
GRAND TOTAL	**16**	**225**	**0**	**225**	**115**	**110**	**225**	**15**	**15**	**30**	**355**	**125**	**480**

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Pest Management	1	15	10	25	-	-	-	-	-	-	15	10	25
Protected cultivation technology	1	15	10	25	-	-	-	-	-	-	15	10	25
Livestock feed and fodder production	1	15	10	25	-	-	-	-	-	-	15	10	25
Women and Child care	1	15	10	25	-	-	-	-	-	-	15	10	25
GRAND TOTAL	**4**	**60**	**40**	**100**	**0**	**0**	**0**	**0**	**0**	**0**	**60**	**40**	**100**

3. (a) Frontline demonstration to be conducted*

FLD 1	**:**	**Popularization of improved/HYVs of Broccoli**
Crop	**:**	Broccoli
Thrust Area	**:**	Promotion of Scientific Broccoli farming
Thematic Area	**:**	Varietal introduction
Season	**:**	Rabi
Farming Situation	**:**	Sugarcane based farming system

FLD 2	**:**	**Popularization of HYVs of Pointed Gourd**
Crop	**:**	Pointed Gourd
Thrust Area	**:**	Promotion of Scientific Pointed Gourd farming
Thematic Area	**:**	Varietal introduction
Season	**:**	Rainy
Farming Situation	**:**	Sugarcane based farming system

FLD 3	**:**	Integrated Pest Management in Pigeon pea
Crop	**:**	Pigeon pea
Thrust Area	**:**	Pest Management
Thematic Area	**:**	Integrated Pest Management
Season	**:**	Rabi
Farming Situation	**:**	Sugarcane based

FLD 4	**:**	Integrated Disease management in Maize
Crop	**:**	Maize
Thrust Area	**:**	Pest Management
Thematic Area	**:**	Integrated Pest Management
Season	**:**	Zaid/ *Kharif*
Farming Situation	**:**	Sugarcane based

FLD 5	**:**	Popularization of CARI-Shyama breed of Poultry
Crop	**:**	Poultry
Thrust Area	**:**	Poultry production
Thematic Area	**:**	Animal Science
Season	**:**	Rabi/ Summer/Zaid
Farming Situation	**:**	Sugarcane based

FLD 6	**:**	Backyard poultry production
Crop	**:**	Poultry
Thrust Area	**:**	Poultry production
Thematic Area	**:**	Animal Science
Season	**:**	Rabi/ Summer/Zaid
Farming Situation	**:**	Sugarcane based

3 (b) Detail of Frontline demonstration to be conducted*

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
01	CARI Shyama	400	Popularization of CARI-Shyama breed of Poultry	Body wt., Major Disease & mortality, Age of first table egg, B C Ratio, No. of eggs laying etc.,	Chicks/birds	8000	nil	**03**	**05**	**-**	**-**	**05**	**02**	**10**	**05**	**15**
02	Kadaknath	15	Backyard poultry production	Body wt., Major Disease & mortality, Age of first table egg, B C Ratio, No. of eggs laying etc.,	Chicks/birds	8000	nil	**03**	**05**	**-**	**-**	**05**	**02**	**10**	**05**	**15**
03	Pigeon pea	2.0 ha	IPM Module	Pest infestation, percent disease and insect control, Growth, yield attributes & Economics	Biopesticide, pheromone trap, chemical & Botanical pesticide etc.,	10000	nil	4	1	-	-	4	1	8	2	10
04	Maize	2.0 ha	IPM Module	Pest infestation, percent disease and insect control, Growth, yield attributes & Economics	Biopesticide, pheromone trap, chemical & Botanical pesticide etc.,	10000	nil	4	1	-	-	4	1	8	2	10

05	Broccoli	0.5	Popularization of Broccoli Var KTS-1/HYV	Yield/ha (q) Avg head wt. (g) Days to harvest B:C Ratio	Seed, Labour, Manure and Fertilizers	15000	Nil	4	1	-	-	4	1	8	2	10
06	Pointed Gourd	0.5	Popularization of Pointed Gourd var Kashi Amulya/Kashi Suphal/HYV	Yield/ha (q) Avg. fruit wt. (g) Days to harvest B:C Ratio	Planting material, Labour, manure and Fertilizers	10000	Nil	4	1	-	-	4	1	8	2	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration (days)	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Poultry	1	Farmers/farmwomen	1	OFF	-	-	-	-	15	10	15	10	25
Field day	IPM Module	1	Farmers/farmwomen	1	OFF	-	-	-	-	15	10	15	10	25
Field day	Poultry	1	Farmers/Extension workers	1	OFF	-	-	-	-	15	10	15	10	25
Field Day	Pointed Guard	1	Farmers/Extension workers	1	OFF	-	-	-	-	15	10	15	10	25
Field day	Broccoli	1	Farmers/farmwomen/ rural youth	1	OFF	-	-	-	-	15	10	15	10	25
Field day	Biological control	1	Farmers/farmwomen/ rural youth	1	OFF	-	-	-	-	15	10	15	10	25
Total		**06**	**-**	**06**	**-**					**90**	**60**	**90**	**60**	**150**

4. a) Seed and planting material production by utilization of instructional farm (Crops / Enterprises)

	Variety / Type	Period From January. 2023 to December.2023	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Sugarcane	CoLk-14201	March, 2023 To March, 2023	0.2	Cane	120	22,000	48,000	26,000
Potato	Kufri-bahar/mohan	November,2023 to February, 2023	0.2	Tuber	40	25,000	60000	35000
Brinjal	PSPL/HYV	From September. 2023 to December.2023	20000 nos	Seedling	20000 nos	14000	30000	16000
Tomato	Arka rkshak, Arka abedh, Arka, samrat (F1 seedling)	From September. 2023 to December.2023	30000 nos	Seedling	30000 nos	20000	45000	25000
Broccoli	KTS-1/HYV	From September. 2023 to December.2023	20000 nos	Seedling	20000 nos	14000	30000	16000
Papaya	Red lady/HYV	From August. 2023 to September.2023	2000 nos	Seedling	2000 nos	18000	30000	12000

b) Village Seed Production Programme

Name of the Crop / Enterprise	Variety / Type	Period From2022 to 2023	No. of farmers	Details of Production				
				Type of Produce	Expected Production(q)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Sugarcane	CoLk-14201	March, 2023 To March, 2024	6	Cane seed	1000	95000	400000	305000

5. Extension Activities

Sl.	Activities/ Sub-activities	No. of activities proposed	Farmers			Extension Officials			Total		
			M	F	T	Male	Female	Total	Male	Female	Total
1	Field Day	06	105	70	175	10	5	15	115	75	190
2	KisanGhosthi	02	60	40	100	-	-	-	60	40	100
3	Film Show	05	50	75	125	-	-	-	50	75	125
4	Method Demonstrations	12	54	20	74	-	-	-	54	20	74
5	Group meetings	02	40	30	70	-	-	-	40	30	70
6	Scientific visit to farmers field	180	360	150	510	-	-	-	360	150	510
7.	Farmers visit to KVK	-	400	250	650	-	-	-	400	250	650
8.	Celebration of important days	08	800	700	1500	50	25	75	850	725	1575
9.	Newspaper coverage	05	-	-	-	-	-	-	-	-	-
10.	Extension Literature	03	-	-	-	-	-	-	-	-	-
11.	Other extension activities (Lecture delivered, Advisory, Mahila Mandal meet etc.)	50	500	250	750	50	25	75	550	275	825
	Total	**273**	**2369**	**1585**	**3954**	**110**	**55**	**165**	**2479**	**1640**	**4119**

6. Revolving Fund (in Rs.)

Opening balance of 2022-2023 (As on 01.04.2022)	Amount proposed to be invested during 2023	Expected Return
Rs. 329000	**-**	**-**

7. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)

8. On-Farm Trials to be conducted*

Details of On Farm Trial
(Plant Protection)

OFT [01]:

i.	**Season**	**:**	Rabi
ii.	**Title of the OFT**	**:**	Integrated management of *Sclerotinia* stem rot in Mustard
iii.	**Thematic Area**	**:**	Integrated Disease Management
iv.	**Problem diagnosed**	**:**	Rapeseed-mustard is an important crop which is grown as main crop as well as intercrops for oil seed purpose. It occupies very important position in semi-arid farming system for human nutrition. 'Sclerotinia rot' of rapeseed-mustard earlier considered to be minor problem in Lakhimpur Kheri has now become a serious problem. The disease gained importance particularly in raya growing areas, where it led to complete crop failure. Sclerotinia rot in epidemic form are known to cause losses up to 60 per cent leading to the discouragement of growers of the crops.
v.	**Important Cause**	**:**	*Sclerotinia sclerotiorum*
vi.	**Production system**	**:**	Semi-arid farming system
vii.	**Micro farming system**	**:**	Plane areas
viii.	**Technology for Testing**	**:**	Integrated management approach
ix.	**Existing Practice**	**:**	Chemical management
x.	**Hypothesis**	**:**	Fungicides are frequently recommended for disease management that has resulted negative effect on the environment and human health. Moreover, fungicidal control is not effective because of soil borne nature and wide host range of the pathogen. In addition, fungicidal control is not only creating environmental hazards but also developing resistance in the pathogen against fungicides. Therefore, an integrated disease management is only option for sustainable management for Sclerotinia rot which is a combination of seed treatment+ soil treatment+ and foliar application of *Trichoderma viride*, *T. harzianum* and carbendazim
xi.	**Objective(s)**	**:**	Sustainable management of Sclerotinia stem rot in Mustard
xii.	**Treatments**	**:**	**Farmers Practice (FP):** Spraying of fungicide
		:	**Technical Option-I:** Soil application of *Trichoderma viride* and *T. harzianum* 2.5 kg/ha pre-incubated in 300 kg FYM/ha in 10 days prior to sowing.
		:	**Technical Option –II:** Seed treatment with Trichoderma viride and T. harzianum @ 10 gm/kg seed + carbendazim @ 2 gm/kg Seed at the time of sowing + Soil application of *Trichoderma viride* and *T. harzianum* 2.5 kg/ha pre-incubated in 300 kg FYM/ha in 10 days prior to sowing + spray of carbendazim @ 2g/lt of water in standing crop
xiii.	**Critical Inputs**	**:**	*Trichoderma viride*, *T. harzianum,* carbendazim, FYM, Neem cake, insecticides etc.
xiv.	**Unit Size**	**:**	300 x 5=1500 m2
xv.	**No of Replications**	**:**	5
xvi.	**Unit Cost**	**:**	3000
xvii.	**Total Cost**	**:**	15000
xviii.	**Monitoring Indicator**	**:**	Disease incidence, plant growth and yield, Cost of cultivation, gross return, net return and benefit cost ratio.
xix.	**Source of Technology**	**:**	ICAR -NCIPM

OFT [02]:

i.	**Season**	**:**	Rabi
ii.	**Title of the OFT**	**:**	**Evaluation of different combination of casing materials for growth and yield of button Musrhroom (*Agaricus bisporus***
iii.	**Thematic Area**	**:**	Mushroom Cultivation
iv.	**Problem diagnosed**	**:**	Farmers are using fresh FYM/Dung for preparation of casing materials which reduce the yield of button mushroom.
v.	**Important Cause**	**:**	Casing is an important step during cultivation of button mushroom. It promotes a shift of vegetative mycelium to form pinheads leading to mature basidiocarps. Production of *A. bisporus* to a greater extent depends upon the quality of casing material used. Casing material is used in mushroom to cover a nutritional rich composted substrate colonized with mycelium, and has an essential function in stimulating and promoting the development of sporophores. The casing layer influences yield, quality and uniformity of cropping of the button mushroom. Thus, mushroom productivity, size and mass are directly affected by the casing layer. Due to un adequate knowledge many farmers are preparing casing soil wrong method with unscientific combination which reduce the yield of button mushroom.
vi.	**Production system**	**:**	Closed system (in closed room)
vii.	**Micro farming system**	**:**	Plane areas
viii.	**Technology for Testing**	**:**	Button mushroom cultivation
ix.	**Existing Practice**	**:**	Traditional practices
x.	**Hypothesis**	**:**	Testing of suitable casing materials is useful for increasing the button mushroom yield which encourages the button mushroom cultivation among farming communities.
xi.	**Objective(s)**	**:**	To evaluate casing materials for button mushroom cultivation.
xii.	**Treatments**	**:**	**Farmers Practice -(FP):** Only cowdung
			Technical Option-I: Cow dung+ Cocopeat + soil (1:1:1)
			Technical Option–II: Cow dung+ Cocopeat + rice husk ash (1:1:1)
			Technical Option–III: Vermicompost + rice husk ash + Cocopeat
xiii.	**Critical Inputs**	**:**	Cow dung, Cocopeat, Vermicompost, rice husk ash, spawn etc.
xiv.	**Unit Size**	**:**	20 × 10 feet mushroom hut
xv.	**No of Replications**	**:**	4
xvi.	**Unit Cost**	**:**	6000
xvii.	**Total Cost**	**:**	24000
xviii.	**Monitoring Indicator**	**:**	Colonization and yield
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	ICAR-DMR, Mushroom

(Horticulture)

OFT [03]:

i.	**Season**	**:**	Kharif/Rainy
ii.	**Title of the OFT**	**:**	Assessment of high yielding variety of Cowpea
iii.	**Thematic Area**	**:**	Varietal evaluation
iv.	**Problem diagnosed**	**:**	Farmers cultivating local available cowpea varieties which leads to

			uncertain production per unit area
v.	**Important Cause**	**:**	Unawareness
vi.	**Production system**	**:**	Cane production System
vii.	**Micro farming system**	**:**	Plane areas/river bed
viii.	**Technology for Testing**	**:**	Kashi Unnati/Kashi Gouri/HYV
ix.	**Existing Practice**	**:**	Traditional practices
x.	**Hypothesis**	**:**	Introduction of improved/resistant/HYV varieties to increase productivity and farm income through.
xi.	**Objective(s)**	**:**	Evaluation of suitable cowpea variety
xii.	**Treatments**	**:**	Farmers Practice (FP)- Undefined
		:	Technology: improved/resistant/HYV varieties of cowpea
xiii.	**Critical Inputs**	**:**	Cowpea seed, Manure & Fertilizer
xiv.	**Unit Size**	**:**	1000 x 5=5000 m^2
xv.	**No of Replications**	**:**	5
xvi.	**Unit Cost**	**:**	1200
xvii.	**Total Cost**	**:**	6000
xviii.	**Monitoring Indicator**	**:**	Plant height (cm), No. of pods/plant, days to first harvest, Pod length (cm), yield/plant, yield/ha, Cost of cultivation, gross return, net return and benefit cost ratio.
xix.	**Source of Technology**	**:**	ICAR-IIVR

OFT [04]:

i.	**Season**	**:**	Rabi
ii.	**Title of the OFT**	**:**	Assessment of high yielding variety of Tomato
iii.	**Thematic Area**	**:**	Varietal evaluation
iv.	**Problem diagnosed**	**:**	Farmers cultivating local available Tomato varieties which leads to uncertain production per unit area
v.	**Important Cause**	**:**	Unawareness
vi.	**Production system**	**:**	Cane production System
vii.	**Micro farming system**	**:**	Plane areas
viii.	**Technology for Testing**	**:**	Tomato var. Arka Abedh/Arka Rakshak/ Arka Samrat/HYV
ix.	**Existing Practice**	**:**	Traditional practices
x.	**Hypothesis**	**:**	Introduction of improved/resistant/HYV varieties to increase productivity and farm income through.
xi.	**Objective(s)**	**:**	Evaluation of suitable Tomatovariety
xii.	**Treatments**	**:**	Farmers Practice (FP)- Undefined
		:	Technology: improved/resistant/HYV varieties of Tomato
xiii.	**Critical Inputs**	**:**	Tomato seed/seedlings, Manure & Fertilizer
xiv.	**Unit Size**	**:**	1000 x 5=5000 m^2
xv.	**No of Replications**	**:**	5
xvi.	**Unit Cost**	**:**	1500
xvii.	**Total Cost**	**:**	7500
xviii.	**Monitoring Indicator**	**:**	Plant height (cm), No. of fruits/plant, days to first harvest, average fruit weight (gm), yield/plant (Kg), yield/ha (q), Cost of cultivation, gross return, net return and benefit cost ratio.
xix.	**Source of Technology**	**:**	ICAR-IIHR

Animal Science

OFT [05]:

i.	**Title of the OFT**	**:**	Performance evaluation of low cost incubator for hatching poultry eggs
ii.	**Thematic Area**	**:**	Poultry Production
iii.	**Problem diagnosed**	**:**	High cost involvement in poultry incubator and less no. of eggs hatched by mother bird. Severity: high (65%)

iv.	**Treatments**	**:**	Details of technology: The incubator will be made from 2 numbers of bamboo baskets with 3 ft diameter. One basket is used as lid over another basket. The basket used as lid has one hole in the middle in which a 60 W bulb is fixed with a regulator. The bulb is coloured with black paint. The saw dust is used in the basket for keeping the eggs. Both the baskets are covered with blanket for maintaining the temperature. 2 lits. of water will be kept in a steel container in the middle of the lower basket for maintaining humidity. The eggs will be rotated four times daily for maintaining uniform temperature and humidity throughout and observed up to 25 days for hatching.
v.	**Critical Inputs**	**:**	incubator
vi.	**Unit Size**	**:**	10 Nos
vii.	**No of Replications**	**:**	3
viii.	**Unit Cost**	**:**	3000
ix.	**Total Cost**	**:**	9000
x.	**Monitoring Indicator**	**:**	1. Socio economic characteristics 2. Economic parameters 3. Problems encountered by the farmers 4. Impact of the FLD
xi.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	Farm innovator (Shri. Farooq Khan), Barpeta, Assam. Year: 2018

OFT [06]:

i.	**Title of the OFT**	**:**	Performance evaluation of Improvement of Non-descript Goat
ii.	**Thematic Area**	**:**	Goatery
iii.	**Problem diagnosed**	**:**	Improvement of non descript goat
iv.	**Treatments**	**:**	T1-Semi intensive system (stall feeding with scientific health care & management) T2-Grazing
v.	**Critical Inputs**	**:**	Feed & Goat
vi.	**Unit Size**	**:**	10 Nos
vii.	**No of Replications**	**:**	5
viii.	**Unit Cost**	**:**	3000
ix.	**Total Cost**	**:**	9000
x.	**Monitoring Indicator**	**:**	• Adult Body weight (Male/Female) • Sexual maturity • Age of first Kidding • Birth weight • Monthly body weight • Mortality percentage
xi.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	C V Sc, Khanapara 2016

9. List of Projects to be implemented by funding from other sources (other than KVK fund)

Sl. No.	Name of the project	Fund expected (Rs.) lakhs
1	Boundary wall construction under RKVY	238.0

10. No. of success stories proposed to be developed with their tentative titles

04

11. Scientific Advisory Committee

SAC meeting	Date of SAC meeting held
First SAC	**6.03.2021**
Second SAC	**(25.03.2022)**

12. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	50	-	-	-	-	30	20	30	20	30	5	50
Total	**50**	**-**	**-**	**-**	**-**	**30**	**20**	**30**	**20**	**30**	**5**	**50**

Dr. Niranjan Lal,
Pr. Scientist & Head,
ICAR-KVK-II, Lakhimpur
Kheri

ANNUAL ACTION PLAN

KVK KUSHINAGAR

(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
	Office	Fax	
KrishiVigyan Kendra, Sargatia, P.O. - Seorahi, Kushinagar- 274406 (UP)	05564 -211095	-	kvkkushinagar@gmail.com

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

Address	Telephone		E-mail
	Office	FAX	
Indian Institute of Vegetable Research, P.B. No 01, Jakhini, Shahanshahpur, Varanasi 221305 (UP)	05422635236, 05422635237, 05422635247	05443229007	directoriivr@gmail.com

1.3. Name of the in charge with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	E-mail
Dr. Ashok Rai, SMS Agri. Ext. & In-charge KVK	9935144772	9935144772	ashokraibhu@gmail.com

1.4. Year of sanction: 2005

1.5 Staff Position

Sl. No.	Sanctioned post	Name of the incumbent	Design-ation	Discip-line	Level	Present basic (Rs.)	Date of joining	Perman-ent /Temp-orary	Category (SC/ST/ OBC/ Others)	Mobile no.	Age	Email id
1	Sr. Sci. & Head	Vacant										
2	Subject Matter Specialist	Dr. Ashok Rai	SMS	Agri.Extn.	11	91100	10.10.2006	Permanent	Others	9935144772	46	ashokraibhu@gmail.com
3	Subject Matter Specialist	Dr. Shamsher Singh	SMS	Hort.	11	91100	06.07.2006	Permanent	OBC	9452186144	48	Shamshersingh kvk@gmail.com
4	Subject Matter Specialist	Dr. Rai Ajay Kumar	SMS	Pl. Prot.	10	80250	12.10.2006	Permanent	Others	7388218888	40	raiak.pers@gmail.com
5	Subject Matter Specialist	Sri Yogesh Kumar Yadav	SMS	Animal Sci.	10	80250	12.06.2007	Permanent	OBC	9415884977	46	yogeshkyadav001 @rediffmail.com
6	Subject Matter Specialist		SMS	Home. sci.	Vacant							
7	Subject Matter Specialist		SMS	Agronomy / Soil sci.	Vacant							
8	Programme Assistant	MotilalKushwaha*	Tech.Officer (Lab)	B. Sc. (Agri)	4	50500	21.2..2011	Permanent	OBC	9919020780	41	motilal.kushwaha@yahoo.com
9	Computer Programmer	Vacant										
10	Farm Manager	Sh. ArunPratap Singh**	Farm Manager	Agronomy	4	55200	26.03.2007	Permanent	OBC	8423814286	45	arunkuwarsingh76@gmail.com
11	Assistant	Vacant										
12	Stenographer	Vacant										
13	Driver	Pankaj Kumar Singh*	Driver	12TH	2	9260	14.02.2011	Permanent	Others	9454868251	45	-
14	Driver	Satish Kumar Singh	Driver	12TH	2	9260	18.06.2011	Permanent	Others	9918279210	40	-
15	Supporting staff	Vacant										
16	Supporting staff	Vacant										

*** Transferred to Regional Research Station (ICAR-IIVR), Kushinagar**

**** Study leave**

1.5. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Building	2.0
2	Under Demonstration Units(Fish pond)	1.0
3	Under Crops	12.25
4	Orchards/ Agro – forestry	2.0
5	Others	2.75
	Total	**20.00**

1.6. Infrastructural Development:

A) Buildings

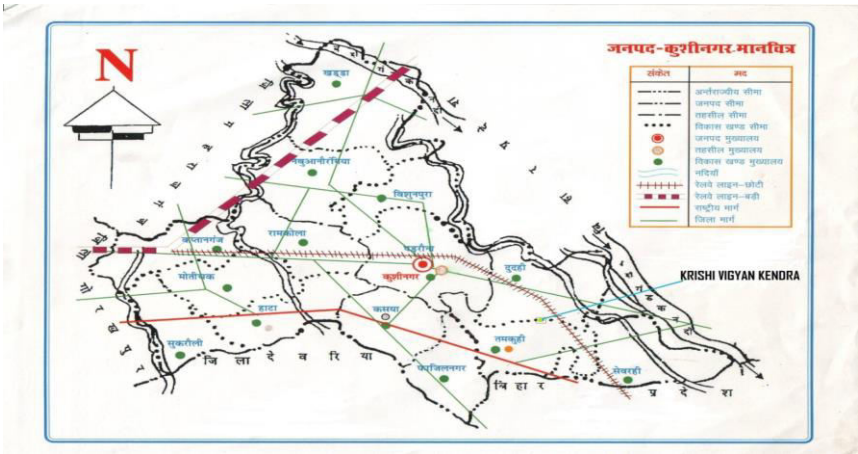
S. No.	Name of building	Source of Funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR						Completed
2.	Farmers Hostel	ICAR						Completed
3.	Staff Quarters (6)	ICAR						Completed
4.	Demonstration Units (2)	ICAR						Under Process
5	Fencing	----						None
6	Rain Water harvesting system	----						None
7	Threshing floor	----						None
8	Farm go down	----						None

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
2.	Agriculture + Horticulture
3.	Agriculture + Livestock
4.	Agriculture + Livestock + Horticulture
5.	Agriculture + Livestock + Poultry + Horticulture
6.	Livestock
7.	Agriculture + Fisheries
8.	Agriculture + Fisheries + Livestock

2.2 Map of District Kushinagar



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

S. No	Agro ecological situation	Characteristics
1.	AES-I	
2.	AES-II	
3.	AES-III	
4	Zone IV North Eastern Plain Zone	The annual average rainfall is 511mm and the temperature ranges from 4.9^{0}C to 44.2^{0}C. The relative humidity ranges from 39% to 85%. Rice, wheat, maize, gram, peas, rapeseed and mustard are major crops. Potato, chillie, banana, litchi, jackfruits, cucurbits especially parwal and few spices are also cultivated.

2.4 Soil types

Sl. No	Soil type	Characteristics	Area (ha)
1	Calcareous		
2	Loam		
3	Clay Loam		

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

S. No	Crop	Area (ha)	Production (mt)	Productivity (Qtl /ha)
A	**FIELD CROPS INCLUDING OIL SEEDS AND PULSES**			
	Kharif2018-19			
1.	Rice	113863	283617	25.24
2	Maize	2501	7309	26.54
3	Jawar	12	16	13.33
4	Bajra	66	742	22.14
5	Urd	17	14	5.55
6	Moong	2	5	4.24
7	Till	73	16	2.26
8	Ground nut	321	350	8.41
9	Pigeon pea	597	397	6.26
B	**Rabi 2018-19**			
1	Wheat	115335	383914	31.93

2	Barley	70	312	31.80
3	Maize rabi	1439	9006	33.91
4	Lentil	2667	3391	8.43
5	Gram	10	6	5.95
6	Pea	466	390	16.18
7	Pigeon pea	597	398	6.26
8	Mustard	7152	5916	5.85
9	Linseed	--	--	--
B	**Vegetable**			
1	Shakbhaji	34270	695280	200.28
2.	Potato	1581	37453	252.72
3.	Fruits	7290	69500	90.53
4.	Banana	3340	31450	90.42
	Others Crops			
1	Sugarcane (2018-19)	71889	5450088	776.20
2	Turmeric	686	790	16.28
3	Sunhemp	90	19	1.92

2.6 Priority/ Thrust Areas

S.N.	Crop/Enterprise	Thrust area
1.	Crop Production	Production technology for important Kharif, Rabi and Zaid crops
2.	RCT	Promotion of resource conservation technologies
3.	Entrepreneurship	Entrepreneurship development in rural youth
4.	Drudgery reduction	Drudgery reduction skill and entrepreneurship development in farm women
5.	Horticultural crops	Promotion of Planting of horticultural crop
6.	Horticultural crops	Quality seed/ planting material production
7.	Livestock	Livestock: Care and management.
8.	Organic inputs production	NADEP and Vermi -composting. ,Azolla
9.	Integrated Pest Management	Integrated Pest Management

2.7 Details of operational area/ villages for 2023

S.No	Taluk	Block	Village	Major crops & enterprises	Major problems identified	Thrust area
1	Tamkuhi Raj	Dudahi	Vijaypur,DevipurIndrapattiSargatia Karan patti, RakbaDulma Patti, Manjharia, Shahpur Patti	Sugarcane, wheat, rice, Vegetables, banana, litchi	Low yield of crops due to existing cultivars & traditional method of cultivation	Enhancing production & Productivity through improved var. & tech.
2	Tamkuhi Raj	Fazilnagar	Narayanpur, MahuawanBujurg ,JokawaKhurd, Hata	Sugarcane, wheat, rice, Vegetables, banana, litchi		
3	Tamkuhi Raj	Seorahi	Bahadurpur,Pakdiharpurabpatti,Dubha, Gosai	Sugarcane, wheat, rice, Vegetables, banana, litchi		

			Patti,Ghazipur			
4	Tamkuhi Raj	Tamkuhi Raj	Labania/Shiv Sareia, Lachhiya, Gagalawa, Barawa Raja Pakkad, HataDhuriya, SaphiTadwa	Sugarcane, wheat, rice, Vegetables, banana, litchi		
5	Kassia	Kassia	Kallua , BarawaJangal,KudawaDilipnagar, Malludih, Fulwapatti	Vegetable, wheat, rice, Sugarcane		
6	Hata	Sukrauli	KhurwaDeeh, Dhadhabujurg	Sugarcane, wheat, rice, Vegetable		
7	Hata	Motichak	Puraini	Sugarcane, wheat, rice, Vegetable		
8	Hata	Ramkola	Rampur Bagaha, BadaharaBabu	Vegetable, wheat, rice, Sugarcane		
9.	Hata	KaptanGanj	MujainaHetim	Vegetable, wheat, rice, Sugarcane.	Low yield of crops due to existing cultivars & traditional method of cultivation	Enhancing production & Productivity through improved var. & tech
10	Hata	Khadda	Bairagipatti	Vegetable, wheat, rice, Sugarcane.		
11	Padrauna	NebuaNaurangia	PipraKhurd	Vegetable, wheat, rice, Sugarcane.		
12	Padrauna	Vishunpura	Sinhapatti,	Vegetable, wheat, rice, Sugarcane.		
13	Padrauna	Padrauna	JangalBishunpura, NaharChhapara	Vegetable, wheat, rice, Sugarcane, .		

3 .TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK during 2023

OFT		FLD				
No. of OFTs	No. of Farmers	No. of FLD	Crops		Livestock& other enterprises	
			Area (ha)	No. of Farmers	No. of unit / Area (ha)	No. of Farmers
07	53	24	111.5	670	130 unit +2.5	130

Training		Extension Activities	
No. of Courses	No. of Participants	No. of activities	No. of participants
110	2601	2234	6350
Seed Production (Qtl.)		Planting material (Nos.)	
3861		32,350	

OFT- 1

Particulars	Contents
Title	Assessment of diversification on socio-economic status of farmers
Problem diagnosed	Low economic return from Paddy -wheat cropping system
Farming situation	Irrigated
Production system and thematic area	Paddy – Wheat
Farmers' Practices	**T_0** Paddy – Wheat
Details of technology identified for solution	**T_1** Paddy– Wheat – Vegetables
No. of farmers	10
Critical inputs	seed
Source of technology	IIFSR, Modipuram, Meerut
Total Cost	Rs. 5000
Performance indicators:	
i.Technical	1. Socio-economic profile of farmers. 2. Annual employment generation
ii. Economical	B:C ratio
iii. Social	Farmers reaction

OFT 2

Particulars	Contents
Title	Residue management in wheat sown by happy seeder machine
Problem diagnosed	Low yield of wheat due to burning of crop residue and Deterioration of soil health
Micro farming situation	Irrigated sandy loam soil
Details of technology identified for solution	T_0-Traditional practice T_1-Sowing of wheat by Happy seeder with mulching of paddy straw (var. DBW-187)
No. of farmers	10
Critical inputs	Seed
Production system	Rice- Wheat
Source of technology	CSISA, Kushinagar, U.P.
Total Cost	Rs. 4000/-
Observation to be recorded	Plant height, No. of tillers, No. of effective tillers/m^2 Yield per ha .B:C ratio
Reaction of the farmers	

OFT 3

Particulars	Contents
Title	Nutrient management in litchi orchards
Problem diagnosed	Quality deterioration of litchi due to imbalance use of nutrients
Farming situation	Irrigated Sandyloam to clay loam
Production system and thematic area	Ten years old litchi orchards, Nutrient management
Farmers' Practices	**T_0**-Imbalance use of nutrient(1 kg N/160 m^2)
Details of technology identified for solution	T_1 Balance use of nutrient (1 kg N + 0.5 kg P +1.0 kg K per tree per year) + need based micronutrients spraying at 15 days intervals at the time of fruiting.+ PSB @ 5 kg/ha with FYM, 50 kg/tree.
No. of farmers	10
Critical inputs	Micronutrients & PSB
Variety	Shahi/China

Source of technology	ICAR-NRC Muzzafarpur.
Total Cost	Rs. 3000
Performance indicators:	
i.Technical	Yield per tree ,Average fruit weight and, B:C ratio,
ii. Economical	B:C ratio

OFT- 4

Particulars	**Contents**
Name of Technology	Evaluation of vegetable based cropping system under local conditions
Problem diagonsed	T_1- Low income observed due to traditional cultivars under rice – wheat cropping system
Objective of the study	T_2-Okra (Kharif), Tomato (Rabi) and Cowpea (Zaid)
Name of intervention	Vegetable based cropping system
Source of technology	ICAR – IIVR, Varanasi
Total Cost	Rs. 4000
No. of farmers	10
Observation to be recorded	Plant Height,No. of fruits / plant, Avg. fruit weight, Yield per hectare, B:C ratio

OFT- 5

Particulars	**Contents**
Title	Brinjal – Fruit and Shoot Borer Management
Problem Diagnosed	Low production and economic loss due to high borer infestation
Farming Situation	Irrigated Clay loam
Production System And Thematic Area	IPM
Farmers' Practices	**T_0** Injudicious use of Agro-chemicals (Thiomethoxam + Emamectin Benzoate)
Details Of Technology Identified For Solution	**T_1** Imidacloprid@ 1ml/ltr, seed treatment/root dip + need based 2-3 sprays of agrochemicals (Indoxacarb @0.4-0.6 ml/ltror others) intermittent with 2-3 sprays of Neem oil @ 5 ml/ltr + Pheromone trap @ 25/ha + Trichogramma @ 50000 eggs/ ha
No. Of Farmers	5
Critical Inputs	Agrochemicals, Trichogramma, Pheromone Trap and Neem Oil
Source Of Technology	Directorate of plant protection, Quarantine & storage, Faridabad& IARC
Total Cost	Rs. 8000
Performance Indicators:	
I. Technical	a. Number of disease affected plants (% infection) b. Yield per hectare c. B:C ratio d. % losses
Ii. Economical	Yield per hectare, B:C ratio
Iii. Social	Farmers reaction

OFT -6

Particulars	Contents
Title	Integrated management of vector borne virus diseases of chilli
Problem diagnosed	Low economic return per unit due to vector borne diseases
Micro farming situation	Irrigated Sandy loam
Production system and thematic area	Cereals - Vegetable
Farmers practices	T_0 - Injudicious, non-integrated approach toChilli cultivation
Details of technology identified for solution	T1 – **Nursery -**Neem cake @1.0 kg/sq.mt in the seed bed, seed treatment with imidacloprid @ 8gm/kg, spraying of cyazpyr @ 1.8ml/liter 2-3 days before transplanting + **Seedling -** seedling dip of imidacloprid @0.5ml/L and growing of two rows of maize/sorghum as border crop in the main field along with sliver agrimulch sheet **+** **Standing crop -** rotational spray of insecticides (Acephate @1.5 g/L + Neem oil @2.0ml/L) + (Fipronil @1.0 ml/L + Neem oil @2.0ml/L) + (Imidacloprid @2 g/15L + Neem oil @ 2.0ml/L) + (Cyzpyr @1.8ml/L) at 7 days interval till fruit formation recommended
No. of farmers	5
Critical inputs	Agro – chemicals and Mulch sheets
Source of technology	ICAR-IIVR ,Varanasi
Total Cost	Rs. 8000.00
Performance indicators	
i. Technical	Plant height, No of fruits/plant, yield q/ha, Weed infestation (%), Frequency of irrigation. % virus infestation.
ii. Economical	B:C ratio
iii. Social	Farmers reaction

OFT -7

Particulars	**Contents**
Title	Impact of poultry feed on broiler growth
Problem diagnosed	High cost of input in poultry feed
Farming situation	Farmers are unaware to prepare poultry feed
Production system and thematic area	Poultry Nutrition
Farmers' Practices	**T_0** Use of commercial poultry feed
Details of technology identified for solution	**T_1**-Maize70 % + Soya 30% + (Supplivit M-500 g, Common Salt-500g, Ventrimix or Dailymix-20g, Livol powder- 500 g, Kadiprol-100 g, Lime Stone-700 g, Vitamin B1-20 g)
No. of farmers	5
Critical inputs	Poultry Feed
Source of Technology	CARI, Izatnagar, Barailly
Total Cost	Rs. 8000 Approx.
Performance indicators:	
i.Technical	Body Weight ,mortality
ii. Economical	B:C ratio
iii. Social	Farmers reaction

Action Plan 2023
Doubling Farmers Income

Demonstration-

Particulars	**Area (ha /number)**	**No. of farmers**
1-Crop Diversification		
Inter cropping of cauliflower in banana	1 ha	10
Inter cropping of Toria/Mustard in sugarcane	2 ha	20
Inter cropping of Lentil in sugarcane	1 ha	10
Drumstick plantation	200	100
Introduction of green manuring	1ha	20
Total	**5 ha + 200**	**160**
2-Crop Production		
Seed production of wheat sown by Zero Tillage	1 ha	10
Seed production of paddy. sowing method DSR by Drum Seder	1 ha	10
Total	**2.0 ha**	**20**
4-Livestock Management		
Promotion of dairy farming	1unit (at least 2 animal)	2
5-Capacity Building		
Formation of Self Help Group	2	40
6-Entreprenure development		
Establishment of mushroom unit	1 unit	1
Establishment of vermi compost unit	3unit	3
Total	**4 unit**	**4**
Grand Total		

Training (On/Off)

Title of training	**No. of Course**	**No. of Farmer**
Inter cropping of cauliflower in banana	1	20
Inter cropping in sugarcane	1	20
Production Technology of Zero Tillage Wheat	1	20
Production Technology of Paddy Drum Seeder.	1	20
IFS model	1	20
Promotion of dairy farming	1	20
Promotion of Poultry farming(broiler/layer)	1	20
Mushroom Production	1	20
Vermi compost Production	1	20
Awareness about food security through kitchen garden	1	20
Total	**10**	**200**

3.2 Frontline Demonstrations

3.2.1. 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	Resource Conservation Technology	Direct seeding of rice by Drum Seeder	Seed	Kharif2023	10	50	Plant height, No. of tillers, No. of grains /ear, no. of irrigation, Incidence of weeds, Total yield, CB ratio
2.	Paddy	Integrated pest mgt.	Leaf folder Management + Seed treatment	Seed dressers + Egg Parasitoid	Kharif2023	10	50	Total yield, % pest infestation and reduction w.r.t. check C:B ratio,
3.	Wheat	Resource conservation technology	Sowing by Zero till machine	Zero till (DBW 187/252)	Rabi 2023	10	50	Plant height, No. of tillers, No. of grains /ear, no. of irrigation, Incidence of weeds, Total yield, C:B ratio,
4.	Wheat	Integrated Disease Mgt	Seed treatment	Seed dressers	Rabi 2023	10	50	Total yield, % pest infestation and reduction w.r.t. check C:B ratio
Total						40	200	

3.2.2 Pulses under C-FLD

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.	Pigeon pea	Crop production	Raised bed sowing	Seed (Var. Rajendra Arhar-1)	Kharif 2023	10	75	Plant height, No of Pods/plant,Total yield of Pigeon pea.B:C ratio.
2.	Lentil	Crop production	Use of HYV	Seed (Var. IPL316)	Rabi 2023	10	75	Plant height, no. of pods / plant, No. of grains/ pod, Yield of Lentil, C:B ratio.
3.	Black gram	Crop production	Use of HYV	Pratap	Zaid 2023	5	25	Plant height , No of Pods/plant, Total yield of Moong,B:C ratio,
4.	Green gram	Crop production	Sowing by seed drill	Seed (Var. IPM 2-3)	Zaid 2023	10	45	Plant height , No of Pods/plant, Total yield of Moong,B:C ratio,
Total						35	220	

3.2.2 Oilseeds under C-FLD

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.	Sesasum	Crop production	Line Sowing	GJT 5	Kharif 2023	5	25	Plant height , No of branches, Total yield/ha. B:C ratio,
2.	Toria/mustard	Crop production	Line Sowing	Seed (Var. RH 749 / PM 31)	Rabi 2023	15	60	Plant height , No of branches, Total yield/ha, B:C ratio,
Total						**20**	**85**	

3.2.3 Horticulture

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.	Banana	Integrated Farming System	Sequential inter cropping of vegetables in banana (2:1)	Seed	Kharif 2023	1.0	15	Plant height, curd weight, cauliflower yield q/ha, banana yield q/ha., B:C ratio
2.	Ridge gourd	Varietal evaluation	HYV/hybrid,	Seed (Var. KashiKhushi)	Kharif 2023	1.0	15	No. of fruits / plant, Average fruit weight, yield & BC ratio
3.	Okra	Varietal evaluation	HYV/hybrid,	Seed (KashiChaman)	Kharif 2023	1.0	15	Plant height, No. of fruits/plant, yield q/ha., B:C ratio
4.	Onion	Crop production	HYV/hybrid,	Seed	Kharif2023	1.0	20	Yield/ha, increase in income, yield q/ha., B:C ratio
5.	Brinjal	Varietal evaluation	HYV/hybrid,	Kashiuttam / Kashisandesh	Rabi 2023	2	20	Plant height, No. of Branches, No. of fruits/plant, yield q/ha., B:C ratio
6.	Tomato	Varietal evaluation	HYV/hybrid,	Seed	Rabi 2023	1.0	10	Plant height, No. of Branches, No. of fruits/plant, yield q/ha., B:C ratio
7.	Chilli	Varietal evaluation	HYV/hybrid,	Seed	Rabi 2023	1.0	10	Plant height, No. of Branches, No. of fruits/plant, yield q/ha., B:C ratio
8.	Sugarcane + Vegetables	Integrated Farming System	Intercropping of vegetable	Seed Cowpea/okra	Zaid2023	2.0	10	Yield q/ha, BC ratio.
9.	Mango	IPM	Pheromone Trap	Lure + Trap	Zaid2023	2.0	10	Yield q/ha, % infestation, trapped population per unit

10.	Litchi	IPM	Pheromone Trap	Lure + Trap	Zaid2023	2.0	10	Yield q/ha, % infestation, trapped population per unit
11.	Bitter gourd	Varietal evaluation	HYV/hybrid,	Seed (Var. KashiMayuri)	Zaid 2023	1.0	15	No. of fruits / plant, Average fruit weight, yield & BC ratio
12.	Sponge gourd	Varietal evaluation	HYV/hybrid,	Seed (KashiDivya)	Zaid 2023	1.0	15	No. of fruits / plant, Average fruit weight, yield & BC ratio
	Total					16.0	165	

3.2.4 NARI

Sl. No.	Crop/ variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha/ unit)	No. of farmers/ demonstration	Parameters identified Yield/Profit/Other technological parameters
1.	Mushroom production	Income generation	Mushroom production	Bags , spray machine, Spawn, Formaldehyde and other small equipments	2023	20 units	20	Yield,Days of availability,Total income, Adaptability Other benefits
2.	Nutri farming system	Nutritional Security	AgriNutri smart Village model	Seeds and planting materials	2023 (Zaid, Kharif, Rabi)	50 units	50	Consumption per family, yield,B:Cratio,availability
Total						**70**	**70**	

3.2.4 Livestock

Sl. No.	Crop/ variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha/Unit)	No. of farmers/ demonstration	Parameters identified Yield/Profit/Other technological parameters
1.	Dairy animals	Feed & Fodder management	Fodder crop production	Berseem seeds/ Sudan grass	2023	2.5	40	Age of animals, Date of calving , Milk production
2.	Dairy animals	Feed & Fodder management	Feed management	UMMB	2023	20 unit	20	Age of animals , Date of calving, Milk production
Total						**2.5 ha+20 unit**	**60**	

B. Extension and Training activities under FLD

Sl. No.	Activity	No. of activities To be organize	Month	Number of Participants
1	Field days	15	Jan- Dec 2023	900

2	Farmers Training/ Gosthi	12	Jan- Dec 2023	720
3	Media coverage	27		

Action Plan for Swachchta (Jan 2023 to Dec 2023)
Demonstration

S.N.	Intervention	Technology Demonstrated	Unit	Participants	Cost
1.	Composting	Preparation of Vermi Compost from Kitchen & farm waste	5	5	12500
2.	Composting	Use of bio Decomposer	100	100	2000
3.	Plantation	Plantation of trees	1.0 ha area	20	5000

Training

S.N.	Thematic area	No of course	Participants	Cost
1.	Preparation of different types of compost and waste management	6	150	6000

Extension Activities

S.N.	Thematic area	No of course	Participants	Cost in INR
1.	Cleanliness drive	10	200	10000
2.	Awareness	4	100	

A. **Training (Including the sponsored and FLD training programmes): ON Campus**

Thematic Area	No. of Courses	No. of Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I. Crop Production										
Integrated farming	1	18	-	18	6	-	6	24	-	24
Resource Conservation Technologies	2	40	-	40	10	-	10	50	-	50
Weed Management	1	15	5	20	2	2	4	17	7	24
Crop Production Technology	2	32	3	35	6	3	9	38	6	44
Total	**6**	**105**	**8**	**113**	**24**	**5**	**29**	**129**	**13**	**142**
II. Horticulture										
a) Vegetable Crops										
Production of low value and high volume Crops	4	65	-	65	20	-	20	85	-	85
Total (a)	**4**	**65**	**-**	**65**	**20**	**-**	**20**	**85**	**-**	**85**
b) Fruits										
Layout and Management of Orchards	1	20	-	20	5	-	5	25	-	25
Total (b)	**1**	**20**	**-**	**20**	**5**	**-**	**5**	**25**	**-**	**25**
c) Ornamental Plants										

Total (c)										
d) Spices										
Production and Management technology	1	20	-	20	5	-	5	25	-	25
Total (d)	**1**	**20**	**-**	**20**	**5**	**-**	**5**	**25**	**-**	**25**
GT (a-d)	**6**	**105**		**105**	**30**		**30**	**135**		**135**
III Soil Health and Fertility Management										
Soil fertility management										
Intergrated water management	1	20	-	20	5	-	5	25	-	25
Intergrated Nutrient management	2	40	-	40	10	-	10	50	-	50
Production and use of organic inputs	2	30	-	30	10	-	10	40	-	40
Soil and water Testing	1	20	-	20	5	-	5	25	-	25
Vermi& NADEP Compost	1	20	-	20	5	-	5	25	-	25
Promotion of Natural farming	2	30	-	30	10	-	10	40	-	40
Total	**9**	**160**		**160**	**45**		**45**	**205**		**205**
Livestock										
Diseases management	6	120	-	120	27	-	27	147	-	147
Dairy management	2	42	-	42	9	-	9	51	-	51
Poultry management	1	20	-	20	4	-	4	24	-	24
Feed & fodder management	2	33	-	33	8	--	8	45	-	45
Total	**11**	**215**		**215**	**48**		**48**	**267**		**267**
VI Home Science										
Household food security by kitchen gardening and nutrition gardening	1	-	20	20	-	5	5	-	25	25
Value addition of fruits and vegetables	1	-	20	20	-	5	5	-	25	25
Income Generation Activities for empowerment of farm women	2	-	40	40	-	10	10	-	50	50
Total	**4**		**80**	**80**		**20**	**20**		**100**	**100**
VI Plant Protection										
Integrated Pest management(IPM)	1	15	-	15	5	-	5	20	-	20
Production of Biologicals	1	15	-	15	5	-	5	20	-	20
Total	**2**	**30**	**-**	**30**	**10**	**-**	**10**	**40**	**-**	**40**
VII. Capacity Building and Group Dynamics/ Agril. Extn.										
Formation and management of FPO	4	65	-	65	20	-	20	85	-	85
Promotion of agri business by electronic media	2	35	5	40	10	5	15	45	-	45
Total	**6**	**100**	**5**	**105**	**30**	**5**	**35**	**130**		**130**
VIII Agricultural Engineering										
Operation and maintenances of agricultural equipments	1	15	-	15	5	-	5	20	-	20
Awareness of farm labours for recent advance technologies in Agriculture.	1	5	5	10	15	5	20	20	-	20
Total	**2**	**20**	**5**	**25**	**20**	**5**	**25**	**40**		**40**
(B) RURAL YOUTH										
Mali Training	1	10	-	10	5	-	5	15	-	15
Goat farming	1	18	2	20	3	2	5	21	4	25
R.C.T. in different crops for doubling income	1	15	-	15	5	-	5	20	-	20

Value Addition of seasonal Fruits & Vegetable	1	-	15	15	-	5	5	-	20	20
Production technology of Vermi& NADEP compost for doubling income	1	15	-	15	5	-	5	20	-	20
Promotion of agri-clinic centre by Public Private Partnership	1	15	-	15	5	-	5	20	-	20
Production of biological and botanicals at village level	1	-	10	10	-	5	5	-	15	15
Soil & Water testing	1	10	-	10	5	-	5	15	-	15
(B)Total	**8**	**83**	**27**	**110**	**28**	**12**	**40**	**111**	**39**	**150**
(C) Extension Personnel										
Goat Farming	1	15	-	15	5	-	5	20	-	20
Rejuvenation of old orchards of mango	1	16	-	16	4	-	4	20	-	20
Resource conservation technology in Wheat	1	20	-	20	5	-	5	25	-	25
Management of disease and pest by biologicals and botanicals	1	10	-	10	5	-	5	15	-	15
TOTAL(C)	**4**	**61**		**61**	**19**		**19**	**80**		**80**
TOTAL(A+B+C)	**58**	**879**	**125**	**1004**	**254**	**47**	**301**	**1137**	**152**	**1289**

OFF Campus

Thematic Area	**No. of Courses**	**No. of Participants**								
		Others			**SC/ST**			**Grand Total**		
		Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
(A) Farmers & Farm Women										
I. Crop Production										
Integrated farming System	1	17	-	17	4	1	5	21	1	22
Resource Conservation Technologies	2	40	-	40	10	-	10	50	-	50
Weed Management	1	15	-	15	5	-	5	20	-	20
Nursery Management	2	40	-	40	10	-	10	50	-	50
Integrated Crop Management	1	20	-	20	5	-	5	25	-	25
Total	**7**	**132**		**132**	**34**	**1**	**35**	**166**	**1**	**167**
II. Horticulture										
a) Vegetable Crops										
Production of low value and high volume Crops	6	120	-	120	30		30	150	-	150
Total (a)	**6**	**120**	**-**	**120**	**30**		**30**	**150**	**-**	**150**
b) Fruits	3	60	-	60	15	-	15	75	-	75
Total (b)	**3**	**60**	**-**	**60**	**15**	**-**	**15**	**75**	**-**	**75**
c) Ornamental Plants										
Production technology of ornamental plants	1	15	-	15	5	-	5	20	-	20
Total (c)	**1**	**15**	**-**	**15**	**5**	**-**	**5**	**20**	**-**	**20**
e) Spices										
Production and Management technology	1	15	-	15	5	-	5	20	-	20

Total (e)	**1**	**15**	**-**	**15**	**5**	**-**	**5**	**20**	**-**	**20**
GT (a-g)	**11**	**210**		**210**	**55**		**55**	**265**		**265**
III Soil Health and Fertility Management										
Intergrated Nutrient management	2	40	-	40	10	-	10	50	-	50
Soil and water Testing	1	15	-	15	5	-	5	20	-	20
Total	**3**	**55**		**55**	**15**		**15**	**70**		**70**
IV. Livestock Production and Management										
Diseases management	5	100	9	109	22	6	28	122	15	137
Dairy management	4	76	11	87	14	8	22	90	19	109
Feed & fodder management	2	38	6	44	7	3	10	45	-	54
Total	**11**	**214**	**26**	**240**	**43**	**17**	**60**	**257**	**34**	**300**
V. Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	3	-	60	60	-	15	15	-	75	75
Importance of self help group for income generation	2	-	40	40	-	10	10	-	40	40
Storage loss minimization technique for farm women	2	-	40	40	-	10	10	-	40	40
Total	**7**		**140**	**140**		**35**	**35**		**155**	**155**
VI Plant Protection										
Integrated Diseases management	3	-	60	60	-	15	15	-	75	75
POB	1	16	1	17	2	1	3	20	-	20
Integrated Pest management	3	-	60	60	-	15	15	-	75	75
Total	**7**	**16**	**121**	**137**	**2**	**31**	**33**	**20**	**150**	**170**
VII. Capacity Building and Group Dynamics/ Agril. Extn.										
Formation and management of SHGs	1	-	20	20	-	5	5	-	25	25
Formation and promotion of FPOs	4	100	-	100	40	-	40	140	-	140
Total	**5**	**100**	**20**	**120**	**40**	**5**	**45**	**140**	**25**	**165**
Operation and maintenances of agricultural equipments	1	15	-	15	5	-	5	20	-	20
Total	**1**	**15**	**-**	**15**	**5**	**-**	**5**	**20**	**-**	**20**
C. Extension Functionaries										
Production of biological and botanicals at village level (Natural and Organic)	4	30	10	40	5	5	10	35	15	50
Soil & Water testing	1	10	-	10	5	-	5	15	-	15
Management of disease and pest by biologicals and botanicals	1	10	-	10	5	-	5	15	-	15
Total	6	50	10	60	15	5	20	65	15	80
TOTAL(A+B+C)	**58**	**742**	**307**	**1049**	**194**	**89**	**283**	**1105**	**307**	**1412**

A) 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	Male	Female	Total
(A) Farmers & Farm Women										
I. Crop Production										
Weed Management	2	30	5	35	7	2	9	37	7	44

Integrated Farming System	2	35		35	10	1	11	45	1	46
Nursery management	2	40	-	40	10	-	10	50	-	50
Nutrient management										
Resource Conservation Technologies	4	80		80	20		20	100		100
Integrated Crop Management	3	52	3	55	11	3	14	63	6	69
Integrated Farming										
Total	**13**	**237**	**8**	**245**	**58**	**6**	**64**	**295**	**14**	**309**
II. Horticulture										
a) Vegetable Crops										
Production of low value and high volume crops	10	185		185	50		50	235		235
Off-season vegetables										
Nursery raising										
Total	**10**	**185**		**185**	**50**		**50**	**235**		**235**
b) Fruits	3	60	-	60	15	-	15	75	-	75
Layout and management of orchard	1	20	-	20	5	-	5	25	-	25
Total(b)	**5**	**100**		**100**	**25**		**25**	**125**		**125**
c) Ornamental Plants										
Production technology of ornamental plants	1	15	-	15	5	-	5	20	-	20
Total (c)	1	15	-	15	5	-	5	20	-	20
e) Spices										
Production and Management technology	2	35		35	10		10	45		45
Total (e)	**2**	**35**		**35**	**10**		**10**	**45**		**45**
Grand Total (a-e)	**17**	**315**		**315**	**85**		**85**	**400**		**400**
III Soil Health and Fertility Management										
Soil fertility management										
Intergrated water management	1	20	-	20	5	-	5	25	-	25
Intergrated Nutrient management	4	80		80	20		20	100		100
Production and use of organic inputs	2	30	-	30	10	-	10	40	-	40
Production and use of organic inputs										
Vermi& NADEP Compost	1	20	-	20	5	-	5	25	-	25
Promotion of Natural farming	2	30	-	30	10	-	10	40	-	40
Soil and water Testing	2	35		35	10		10	45		45
Vermi& NADEP Compost										
Promotion of organic farming										
Total	**12**	**215**		**215**	**60**		**60**	**275**		**275**
IV. Livestock Production and Management										
Diseases management	11	220	9	229	49	6	55	269	15	284
Dairy management	6	118	11	129	23	8	31	141	19	160
Poultry management	1	20	-	20	4	-	4	24	-	24
Feed & fodder management	4	71	6	77	15	3	18	90		99
Total	**22**	**429**	**26**	**455**	**91**	**17**	**108**	**524**	**34**	**567**
IV. Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	4		80	80		20	20		100	100
Importance of self help group for income generation	2	-	40	40	-	10	10	-	40	40
Storage loss minimization technique for farm women	2	-	40	40	-	10	10	-	40	40
Income Generation Activities for empowerment of farm women	2	-	40	40	-	10	10	-	50	50

Value addition of fruits and vegetables	1	-	20	20	-	5	5	-	25	25
Total	**11**		**220**	**220**		**55**	**55**		**255**	**255**
V. Plant Protection										
Integrated Pest Management	4	15	60	75	5	15	20	20	75	95
Integrated Diseases management	3	-	60	60	-	15	15	-	75	75
POB	2	31	1	32	7	1	8	40		40
Total	**9**	**46**	**121**	**167**	**12**	**31**	**43**	**60**	**150**	**210**
VI. Capacity Building and Group Dynamics/ Agril. Extn.										
Formation and management of SHGs	1	-	20	20	-	5	5	-	25	25
Promotion of agri business	2	35	5	40	10	5	15	45	-	45
Formation and promotion of FPOs	8	165		165	60		60	225		225
Total	**11**	**200**	**25**	**225**	**70**	**10**	**80**	**270**	**25**	**295**
VIII Agricultural Engineering										
Operation and maintenances of agricultural equipments	2	30		30	10		10	40		40
Awareness of farm labours for recent advance technologies in Agriculture.	1	5	5	10	15	5	20	20	-	20
Total	**3**	**35**	**5**	**40**	**25**	**5**	**30**	**60**		**60**
TOTAL(A)	**95**	**1442**	**400**	**1842**	**376**	**119**	**495**	**1824**	**478**	**2311**
(B) RURAL YOUTH										
Mali Training	1	10	-	10	5	-	5	15	-	15
Goat farming	1	18	2	20	3	2	5	21	4	25
R.C.T. in different crops for doubling income	1	15	-	15	5	-	5	20	-	20
Value Addition of seasonal Fruits & Vegetable	1	-	15	15	-	5	5	-	20	20
Production technology of Vermi& NADEP compost for doubling income	1	15	-	15	5	-	5	20	-	20
Promotion of agri-clinic centre by Public Private Partnership	1	15	-	15	5	-	5	20	-	20
Production of biological and botanicals at village level	1	-	10	10	-	5	5	-	15	15
Soil & Water testing	1	10	-	10	5	-	5	15	-	15
(B)Total	**8**	**83**	**27**	**110**	**28**	**12**	**40**	**111**	**39**	**150**
(C) Extension Personnel										
Goat Farming	1	15	-	15	5	-	5	20	-	20
Rejuvenation of old orchards of mango	1	16	-	16	4	-	4	20	-	20
Resource conservation technology in Wheat	1	20	-	20	5	-	5	25	-	25
Management of disease and pest by biologicals and botanicals	1	10	-	10	5	-	5	15	-	15
TOTAL(C)	**4**	**61**		**61**	**19**		**19**	**80**		**80**
TOTAL A+B+C	**110**	**1621**	**432**	**2053**	**448**	**136**	**584**	**2075**	**517**	**2601**

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	24	1000	195	1195	100	15	115	1100	210	1310
KisanMela	1	330	140	470	20	10	30	350	150	500
KisanGhosthi	5	192	48	240	8	2	10	200	50	1810
Exhibition	5	-	-	0	-	-	0	-	-	3620
Film Show	5	25	20	45	12	8	20	37	28	65
Method Demonstrations	15	40	15	55	5	5	10	45	20	65
Farmers Seminar	-	-	-	0	-	-	0	-	-	0
Workshop	-	-	-	0	-	-	0	-	-	0
Lectures delivered as resource persons	50	800	100	900	80	20	100	880	120	0
Newspaper coverage	50	-	-	0	-	-	0	--	--	0
Radio talks	1	-	-	0	-	-	0	--	--	0
TV talks	1	-	-	0	-	-	0	--	--	1
Popular articles	6	-	-	0	-	-	0	--	--	6
Extension Literature	6	-	-	0	-	-	0	--	--	7
Scientific visit to farmers field	150	200	50	250	-	-	0	200	50	250
Farmers visit to KVK	1500	1000	500	1500	-	-	0	1075	425	1500
Diagnostic visits	400	600	200	800	-	-	0	600	200	1750
Exposure visits	1	-	-	0	-	-	0	-	-	1
Ex-trainees Sammelan	1	20	30	50	-	-	0	20	30	50
Health Camp	1	20	30	50	-	-	0	20	30	51
Animal Health Camp	1	70	10	80	-	--	0	70	10	80
Farm Science Club Conveners meet	1	70	10	80	-	--	0	70	10	80
Self Help Group Conveners meetings	1	-	25	25	-	5	5	-	30	160
Formation of FPO	2		50	50			0		50	50
MahilaMandals Conveners meetings	1	30	20	50	10	10	20	40	30	70
Plantation Programme	4	40	50	90	10	10	20	50	60	120
Health Camp	2	-	50	50	-	20	20	-	70	70
Total	**2234**	**4437**	**1543**	**5980**	**245**	**105**	**350**	**4757**	**1573**	**6330**

3.5 DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	10	10	10	-
Water	100	100	10	-
Total	**110**	**110**	**20**	**-**

3.5 Action plan for seed production and supply of Technological products at K.V.K. Sargatia farm from Jan. to Dec. 2023.

S. No.	Crop	Variety	Area (ha)	Qty targeted (q)	Season
A	Cereals				
1.	Paddy	Sarju – 52 Shambha Sub 1-	2.5ha. 1.0 ha..	100 qt. 35 qt.	Kharif
2.	Wheat	HD 2967 DBW – 187 DBW-252	1.0 ha. 3.0 ha. 1.0 ha.	40 qt. 120 qt. 40 qt.	Rabi
3.	Sugarcane	Cose – 8272 Cose –13452 Co-98014 COS-13235/14201	5.0 ha.	3500 qt.	
B. **1.**	Oil seed Mustard	 Pusa-31,RH749	 1.0ha.	 12.0 qt.	Rabi
C.	Pulses				
1.	Lentil	IPL-316	0.65 ha.	4.0 qt.	Rabi
2.	Moong	IPM 2-3	2.0 ha.	10 qt.	Zaid
D	**Spice Crops**				
1	Turmeric	Megha-1	0.2	5.0qt	Zaid
		Total	**18.35**	**3861.0 qt.**	

Planting materials :

Sl. No.	Crop	Variety	Quantity (Nos.)
A	**Fruits**		
1.	Mango	Dushehari	2000
2.		Kapuri (Langra)	2000
3.		Gaurjeet	1000
4.		Amrapali, Mallika	200
5.	Litchi	Shahi	2000
6.		China	350
7.		Bedana	200
8.	Guava	Lucknow-49	1000
9.		A.Safeda	1000
10.		Sweta/ lalit	500
11.	Jackfruit	Local	500
12.	Lemon	Pant Lemon-1	100
13.	Pomegranate	Dholka, Bhagwa	500

14.	Karaunda	Local	100
15.	**Total**		**11450**
	Vegetables		
1.	Tomato	High yielding varieties	5000
2.	Brinjal	High yielding varieties	5000
3.	Chilli	High yielding varieties	5000
	Total		**15,000**
	Ornamental crops		
1.	Shrubs	Flowering	500
2.	Rose	Desi	200
3.	Croton	Mix	100
4.	Palm	China	100
5.	Annual	Mix	2000
	Total		**2,900**
	Forestry	Teek, Neem, Popular	**3000**
G. Total			**32,350**

3.6. Literature to be Developed/Published

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

(B) Literature to be developed /published

Item	Number of copies
Research papers	5
Technical reports	5
Popular articles	6
Extension literature and Technical Book	4
TOTAL	**20**

3.7. Success stories/Case studies identified for development as a case. (Nos.). 04

4.0 LINKAGES

4.1 Functional linkage with different organizations

Name of organization	Nature of linkage
State Agriculture Department	Joint implementation of on-farm trials, FLD, Joint Diagnostic survey for initial establishment of farmers linkages
State Horticulture Department	Joint implementation of on-farm trials, FLDs Joint Diagnostic survey for initial establishment of farmers linkages and Training programmemes
IIVR, Varanasi	Transfer of technology through FLD of Vegetables.
KVK, Gorkhpur, KVK Basti, KVK, Mirzapur, KVK, Lucknow	Technical co-operation in conducting training programmes
NDUA&T, Faizabad	Seeds of imp. Varieties (Wheat & Rice)
BHU, Varanasi	Seeds of imp. Varieties of wheat.
IIPR, Kanpur	Transfer of technology through FLD of pulses.
C.S.A.U. A&T., Kanpur	Seeds of imp. Varieties of oilseeds and cereals.
IARI, Regional station Karnal	Transfer of technology through FLD of rice
CIMMYT, New Delhi	Resource conservation technology demonstration
Directorate of Maize Research, New Delhi	Front line demonstration

CIAE, Bhopal	Agricultural equipments/implements
ATMA, Kushinagar	Livelihood improvement
CPRI Station, Modipuram, Meerut	For potato technology
GS Sugarcane Breeding & Research Station, Seorahi, Kushinagar	For sugarcane technology
IFFCO	Training, demonstration
NBFGR, Lucknow	Training

4.2 Details of linkage with ATMA

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

Sl. No.	Programme	Nature of linkage	Remarks
1.	Training programme		
2.	AES (Agro-Ecological situation)		
3.	Front line Demonstration (FLD)		

4.3 Nature of linkage with National Fisheries Development Board:

5.0 Utilization of Hostel facilities - Nil

Annexure-I

Scientific Advisory Committee meeting was held on 15 July 2021 at KVK, Kushinagar under the chairmanship of Dr. T. K. Behera, Director ICAR- IIVR Varanasi, U.P. and Nodal Officer of KVK, to review the work done by the KVK from February 2020 to June 2021 and finalize the action plan up to December 2022. The following attended SAC meeting.

S. No.	Name	Designation
1.	Dr. T.K. Behera	Director
2.	Dr. Atar Singh	Director, ATARI, Kanpur
3.	Dr. Neeraj Singh	P.S. & Nodal Officer ,ICAR- IIVR, Varanasi
4.	Dr. K.K. Pandey	Principal Scientist &Head Plant Protection Division, ICAR-IIVR , Varanasi
5.	ShriChaudharyArun Kumar	Deputy Director Agriculture, Kushinagar
6.	Dr. VedPrakash Singh	In-charge, GSSBRI, Seorahi& DCO, Kushinagar
7.	Shri Om Prakash Gupta	Deputy Director, Sugarcane Training Institute, Gorakhpur
8.	ShriRamayanPandey	Asstt. Engineer-III, Irrigation Deputy, Kushinagar
9.	ShriFidaHussain	Irrigation Supervisor, Irrigation Deputy, Kushinagar
10.	ShriVashisht Prasad	Irrigation Deputy, Kushinagar
11.	Dr.Vikas Singh	In-charge, ICAR-RRS Kushinagar
12.	Shri. ShambhunathTiwari	Irrigation Deputy, Kushinagar
13.	ShriVajirAhemad	State Deputy, Kushinagar
14.	Dr. Y.P.Bharti	Scientific Officer ,GSSBRI, Kushinagar
15.	ShriRamayan Singh	District Horticulture Officer, Kushinagar
16.	ShriUpender Kumar	Deputy Cane Manager, Kushinagar
17.	Shri B M Tripathi	Secretary, SHDA, Gorakhpur
18.	Shri Raj Kumar	Field Manager, IFFCO, Kushinagar
19.	Dr. Prabhat Kumar	Scientist, CSISA, Gorakhpur
20.	ShriSanchit Singh	DDM, NABARD, Kushinagar&Deoria
21.	Dr. Ashok Rai	SMS (Agriculture Ext.) In-charge, KVK, Kushinagar
22.	Shri. Ravi Prasad	Officer, ODOP, Kushinagar
23.	Dr. T. N. Rai	SMS (Soil science/Agronomy) KVK, Kushinagar
24.	Dr. Rai Ajay Kumar	SMS (Plant Protection) KVK, Kushinagar
25.	Dr. Samsher Singh	SMS(Horticulture) KVK, Kushinagar
26.	Smt. Anjali Sahu	SMS (H. Sci.) KVK, Kushinagar
27.	ShriArunPratap Singh	Farm Manager KVK, Kushinagar
28.	Miss Shruti V. Singh	SMS (Agro meteorology)
29.	Shri Ashok Kumar	Agromet observer, KVK, Kushinagar
30.	Sri Abhijeet Kumar Gond	Field Asstt. State Deputy, Kushinagar
31.	ShriJagdishRai	Asstt, CSISA, Gorakhpur
32.	ShriShishupal	Progressive Farmer, Kushinagar
33.	ShriHarinarayanKushwaha	Progressive Farmer, Kushinagar
34.	ShriKamlesh Kumar Verma	Progressive Farmer, Kushinagar
35.	ShriRamadharKushwaha	Progressive Farmer, Kushinagar
36.	ShriSantosh	Progressive Farmer, Kushinagar
37.	Anil Kumar Gautam	Progressive Farmer, Kushinagar
38.	Shri Ravi PratapRai	District Disaster Specialist, Kushinagar
39.	ShriDhuriYadav	Progressive Farmer, Kushinagar
40.	ShriRamadhar Prasad	Progressive Farmer, Kushinagar
41.	ShriPrabhunathYadav	Progressive Farmer, Kushinagar

42.	Shri Ashok Kumar	Progressive Farmer, Kushinagar
43.	ShriAshotosh Kumar	Progressive Farmer, Kushinagar
44.	SmtSandhya Devi -I	Progressive Farmer, Kushinagar
45.	SmtSandhya Devi -II	Progressive Farmer, Kushinagar
46.	SmtSavitri Devi	Progressive Farmer, Kushinagar
47.	SmtShubhavati Devi	Progressive Farmer, Kushinagar

- Quantify the activities of KVK during the presentation of action taken report of SAC meeting
- Every SMS conduct two on farm trial (OFT), thirty-four demonstration (FLD) and seventeen trainings in a year
- Plan activities on sugarcane after discussion with In-charge, GSSBRI, Seorahi
- Details like name of variety, date of sowing etc. should be mentioned in the report of OFT.
- Write the feedback with every intervention of KVK
- On farm trial may not be continued for more than two years
- To empower SC/ST through SCSP and formulate a committee with the state officials and farmers for purchase of farm implements under SCSP
- OFT and FLD may be conduct in the close supervision of SMS and observation may be recorded sensibly and farmer practice should be mention in the demonstration
- Trial should be formulated and conducted with the integration of all SMS.
- Demonstrated may be conducted in the large area like 10 ha or 20 ha.
- Ensure feasibility of trials in the district before conducting the trial
- Work on impact of training
- Quantify the farmers having PPE kit
- Conduct the trial on Bio pesticide of ICAR-IIVR
- Analysis of one year cropping system before conducting of any KVK activities
- Emphasis may be given on preparation of value added product
- Include clinical test in the trial on supplementary feeding
- Prepare nutrition garden at KVK
- Emphasis may be given on preparation of green chilli powder
- Prepare early nursery of vegetables at KVK for sale.
- Prepare twenty thousand plant sapling (mango, litchi, guava, teak, etc.)
- Prepare hardening chamber for tissue cultured banana plant at KVK for sale.
- Limit the production of plant of china variety of litchi and increase the production of plant of Shahi variety at KVK nursery.
- Organize awareness programme on weather forecast
- Start breeding programme on suitable breed of goat like Black Bengal, Sirohi, totapari, etc.
- Submit a project proposal for establishment of poultry unit and breeding programme on goat under RKVY

ANNUAL ACTION PLAN

KVK BHADOHI

(1st January, 2023 to 31st December, 2023)

KVK Bhadohi (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		
KVK, Bejwan, Post- Ugapur (Aurai), Dist- Bhadohi (U.P.)-221301	0542-2635236 2635237 2635247	05443-229007	kvksrn@gmail.com	https://kvkbhadohi.iivr.org.in

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

Address	Telephone		E mail	Website
	Office	FAX		
IIVR, P.B. No.-01, P.O.-Jakhini (Shahanshahpur) Varanasi-221305 (U.P.)	0542-2635236 2635237 2635247	05443-229007	directoriivr@gmail.com	www.iivr.icar.gov.in

1.2.b. Status of KVK website **:**https://kvkbhadohi.iivr.org.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 : Partial Established

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Vishvendu Dwivedi	-	7979949801, 9431069463	kvkbhadohi@gmail.com

1.4. Year of sanction(as per MOU) **:Feb, 2008**

1.5. Staff Position (as on 30 Sept. 2020)

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	Programme Coordinator	Dr. Vishvendu Dwivedi	Sr. Scientist & Head	Ph.D.(Agril. Extn.)	15600-39,100	G.P-8000/-	Rs. 110400 (Level-12)	10.12.2019	Permanent	General	9431069463	dwivedivishvendu@gmail.com	
2	Subject Matter Specialist (Home Sc.)	(Dr.) Smt. Rekha Singh	SMS (Home Sci.)	Ph.D. (Home Sci.)	15600-39,100	G.P-6,600/-	Rs. 93800/- (Level 11)	23.10.2006	Permanent	General	9415364376	rekhaiivr@gmail.com	
3	Subject Matter Specialist (Horticulutre)	Dr. A. K. Chaturvedi	SMS (Hort.)	Ph.D.(Hort.)	15600-39,100	G.P-6600/-	Rs. 85800/- (Level - 11)	31.07.2009	Permanent	General	9415994059	akciivr@gmail.com	

4	Subject Matter Specialist (Agril. Extension)	Dr. R. P. Chaudhary	SMS (Agri. Extn.)	Ph.D (Agril Extension)	15600-39,100	G.P-6600/-	Rs. 85800/- (Level - 11)	05.08.2009	Permanent	OBC	9235857060	rpckvksrn@gmail.com	
5	Subject Matter Specialist (Plant Protection)	Dr. Manoj Kumar Pandey	SMS (PP)	Ph.D. (Plant Path.)	15600-39,100	G.P-6600/-	Rs. 85800/- (Level - 11)	19.08.2009	Permanent	General	9473667589	mkp_bxr@yahoo.co.in	
6	Subject Matter Specialist (Vet. Science)	Dr. G. K. Choudhary	SMS (Vet. Sci.)	Ph.D. (Vet. Sci.)	15600-39,100	G.P-6600/-	Rs. 96600/- (Level-11)	25.08.2009	Permanent	General	9453761886	drgovindvet@gmail.com	
7	Subject Matter Specialist (Agronomy)	Vacant	-	-	-	-	-	-	-	-	-	-	
8	Farm Manager	Dr. Prabhas Chandra Singh	Technical Officer -(T5)	Ph.D. (Hort.)	15600-39,100	G.P-5400/-	Rs.. 56100/- (Level 10)	16.02.2010	Permanent	General	9453363126	prabhashiivr@gmail.com	
9	Programme Assistant	Sh. Dhananjay Prasad Singh	Technical Officer (T5)	B.Sc. (Ag.)	9,300-34,800	G.P-4,600/-	Rs. 50500/- (Level 7)	14.02.2011	Permanent	General	9453636486	dpsinghkvk@rediffmail.com	
10	Driver	Sh. Sanjay Yadav	Driver-T2	I.Com & ITI	5200 - 20000	G.P.-2000/-	Rs. 30500/- (Level 4)	15.02.2011	Permanent	OBC	8765275294	sanjay8765275294@gmail.com	
11	Computer Programmer	Vacant											
12	Accountant / Superintendent	Vacant											
13	Stenographer	Vacant	-	-	-		-	-	-	-	-	-	
14	Driver	Transfer to IARI with post											
15	Supporting staff	Vacant											
16	Supporting staff	Vacant	-	-	-								

1.6. Total land with KVK (in ha) : 14.073 ha

S. No.	Item	Area (ha)
1	Under Buildings	0.0758 ha.
2.	Under Demonstration Units	0.1 ha.
3.	Under Crops	6.0 ha.
4.	Horticulture	-
5.	Pond	0.1 ha.
6.	Others if any	

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	06.02.2013	273	-	-	-	Completed	First Floor	
2.	Farmers Hostel	ICAR	26.08.2011	198	36.00 (lacs)	-	-	Completed		
3.	Staff Quarters (6)	ICAR	26.08.2011	287	36.60 (lacs)	-	-	Only 4 quarters Completed		
4.	Demonstration Units (2)							constructed		
5	Fencing							Partial	1500 mt.	
6	Rain Water harvesting system							Not Available		
7	Threshing floor							Not constructed	1600 sqf	
8	Farm godown							Not constructed	1000 sqf (02 Nos.)	
9	Other (Vehicle Garaze)							Temprory constructed	1000 sqf	

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status	Required replacement
Tractor- 47 HP (L&T John Deere) (UP 70 AH 6335)	2005*	-	1836.15 hours	Working	
Jeep Mahindra Bolero ZLX AC	2016	7,33,078	59340 KM	Working	
Tractor-50 HP (Power Track Euro-50) UP-66G0211	2019	6,37,319	81 hours	Working	

* Received from AAIDU, Allahabad on 4th May, 2009

C) Equipment& AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Single Reversible Plough-1	2005*	-	Working
Disc Harrow-1	2005*	-	Working
Cultivator (Nine tine)-1	2010	14590.00	Working
Generator (7.5 kva)-1	2010	48238.00	Working
Raised Bed Planter-1	2010	60490.00	Working
Desktop Computer-1	2010	41556.00	Not Working
LaserJet Printer-1	2010	5475.00	Working
Generator (10 kV)-1	2012	95400.00	Working
Xerox Machine-1	2012	43559.78	Working
Disc Channel	2012	12500.00	Working
Electronic Weighing Machine-1	2014	7500.00	Working
Diesel Pumping Set-1	2014	23500.00	Working
LCD Projector-1	2014**	-	Working
Air Cooler-4.	2015	40000.00	Working
Winnowing Fan-1	2015	2500.00	Working
Soil Testing Machine- 1 (Soil Lab)	2015	75000.00	Working
Paddy Thresher-1	2015	7500.00	Working
Bins (Bakhari)-2	2015	5160.00	Working
Bag Closer Machine	2016	5000.00	Working
Inverter 850 VA + Battery Luminous– 1 (Soil	2016	15800.00	Working

Lab)			
Digital Camera Nikon – 1	2016	35000.00	Working
Solar Pannel- 7.5 KVA	2017	608000.00	Working
Desktop Computer- 3, Laptop – 1 (ICT Lab)	2017	170350.00	Working
Desktop Computer- 1 (TIU)	2017	69900.00	Working
PA Audio Sound System – 1	2017	39800.00	Working
LCD Projector-1 (TIU)	2017	56800.00	Working
Laser Printer- 1(TIU)	2017	13300.00	Working
Television	2017	67000.00	Working
Air Conditioner-1 (ICT Lab)	2017	43500.00	Working
Air Conditioner-1 (TIU)	2017	43400.00	Working
Inverter 900 VA Battery Exide-1 (ICT Lab)	2017	17800.00	Working
Paddy Drum Seeder-1	2017	8054.00	Working
Electric Motor-2HP (For Paddy Thresher)	2017	8496.00	Working
Poweer Weeder	2020	85000/-	Working
Multicrop Thresher	2020	128000/-	Working
Cultivator- 11 Tines	2020	38000/-	Working
Ridge Former	2020	33000/-	Working
Bund Former	2020	48000/-	Working
Happy Seeder	2020	154000/-	Working
Powered Knapsack Sprayer	2020	12000/-	Working
Power Tiller	2020	245000/-	Working

* Received from AAIDU, Allahabad on 4th May, 2009

** Received Old model from IIVR, Varanasi on 22.08.2014

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

Sl.No.		Date
1.	Scientific Advisory Committee	July, 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	Paddy-Wheat-Fallow
2	Bajara-Wheat-Fallow
3	Paddy-Wheat-Moong/Urd
4	Okra-Vegetable Pea-Cucurbits
5	Pigeon Pea-Fallow
6	Dairy farming
7	Goat/sheep farming
8	Poultry farming

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	Eastern Plain Zone	Zone receives low, scanty and uneven distributed rainfall with shallow and low carbon content in soil.

b) Topography

S. No.	Agro ecological situation	Characteristics
1	AES-I (Deegh, Gyanpur and Abholi)	43.54% Sandy Soil and 42.94% Sandy loam; 152.2 ha rainfed
2	AES-II (Aurai, Bhadohi and Suriyawa)	56.45% Sandy Soil and 57.05% Sandy loam; 147.0 ha rainfed; more salinity pockets

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Sandy Loam	-	35376
2	Loam	-	-
3	Clay Loam	-	-
4	Sandy	-	48503
5	Saline soil	-	23587

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	Rice	28169	62696	22.25
2	Wheat	50159	77403	15.43
3	Jowar	1515	1315	8.68
4	Bajra	9019	10641	11.80
5	Maize	545	563	10.33
6	Barley	214	343	16.03
7	Gram	539	505	9.37
8	Arhar (Tur)	3875	3822	9.86
9	Urd	837	602	7.19
10	Moong	88	57	6.49
11	Fieldpea	929	857	9.23
12	Rapseed& Mustard	189	101	5.34
13	Sesamum	222	49	2.21
14	Potato	1227	36144	294.57
15	Sugarcane	1093	71942	658.21

Source: District agriculture department.

2.5. Weather data (2021)

S. No	Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
Total	**12**	**1037.5**	44.9	6.0	-	-

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

Category	Population	Production	Productivity
Cattle			
Crossbred	104260		
Indigenous	84699		
Buffalo	91216		
Sheep	32980		
Crossbred			
Indigenous			
Goats	33584		
Pigs			
Crossbred	1027		
Indigenous	7437		
Rabbits			
Poultry	80995		
Hens			
Desi			
Category		Production (Q.)	Productivity
Fish (Reservoir)			

*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
Aurai	Aurai	Uchitpur, Bharatpur, Dalapur, Dighwat, Chitwanpur, Sarauli, Jaddupur, Bhawanipur, Lokwanpur, Garauli, Ghatampur, SamdhaKhas, Bhaishata, Ugapur, Kakrahiya,Piyaropur, Kurauna, Seuar, Hirdayipur, Basuapatti, Kaiyarmau, Narthuwan, Uprauth, Dudaun	Paddy, Wheat, Bajra, Urd, Mustard, Gram, Vegetable Pea, Pigeonpea, Brinjal, Cauliflower, Tomato, Potato, Cucurbits, Parwal, Bhindi, Mango, Livestock farming	• Low productivity of crops • Soil partly affected with salinity • Poor animal health • Low milk production • Infertility in animals • Improper orchard management	• Overall productivity enhancement • Reclamation of Saline soil • Proper management of livestocks • Proper orchard management • Entrepreneurship development for rural youths • Fish farming
Bhadohi	Bhadohi	Dattipur, Khetalpur, Purushottampur, Palhaiya, Bhagwanpur, Kanehri, Udhwamafi, PiprishMahadeo, Dulumdaspur, Chakvanshpur, Jhingurpur, Khemaipur, Bisapur, Deehkoiran, Mayihardopatti, Uchetha, Raimalpur, Lakshapur, Kome, Chauri	Paddy, Wheat, Bajra, Urd, Mustard, Gram, Vegetable Pea, Pigen Pea, Brinjal, Cauliflower, Tomato, Potato, Cucurbits, Bhindi, Mango, Live stock farming	• Low productivity of crops • Soil partly affected with salinity • Poor animal health • Low milk production • Infertility in animals • Improper orchard management	• Overall productivity enhancement • Reclamation of Saline soil • Proper management of livestocks • Proper orchard management • Entrepreneurship development for rural youths • Fish farming
	Suriyawan	Abarna, Bela, Chatripur, Bhikharirampur, Modh, Paraupur			
	Abholi	Beerapur, Bhanipur, Sherpurgoplaha, Danupur, Haripatti, Govindpatti, Khanapur, Birbhadrapatti,Paraupur, Mathaitu			
Gyanpur	Gyanpur	Kaulapur, Kanshapur, Mallupur, Chaksundarpur, Umariya	Paddy, Wheat, Chickpea, Pigeonpea, Mustard, Urd, Bajra	• Low productivity of crops • Low milk production • Infertility in animals • Improper orchard management	• Overall productivity enhancement • Proper management of livestocks • Minimization of worm load

	Deegh	Kurmaicha, Baragaun, Balipur, Godhna, Kalunwa, Unjmungaraha, Ramkishunpurbasahi, Bharatpur, Dharwasi	Paddy, Wheat, Chickpea, Pigeonpea, Mustard, Urd, Bajra, Fieldpea, Vegetable pea		and nutrition management • Proper orchard management • Fish farming

2.8 Priority thrust areas

Sl. No.	Crop/Enterprise	Thrust area
1	Rice	High Yielding Variety/ Integrated Nutrient Management/ Integrated Pest Management.
2	Wheat	High Yielding Variety/ Integrated Nutrient Management.
3	Fruit orchards	High Yielding Variety/ Integrated Nutrient Management/ Integrated Pest Management/ Value addition.
4	Pulse	Integrated Crop Management.
5	Vegetables	High Yielding Variety/ Integrated Nutrient Management/ Integrated Pest Management/ Value addition.
6	Livestock	Overall health care & disease management.
7	Fisheries	Promotion of scientific fish farming under unutilized ponds.
8	Problematic Soil	Management through corrective measures along with suitable varieties of respective crops.
9	Food Preservation	Empowerment of rural women through management of SHGs.

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	90	107.0	382

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
119	2451	1135	97933

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)
100	5000	-	500	500

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)
100	5000	-	200

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	ICM	Mustard	Low yield	-	Integrated Crop Management	Production technology of mustard	-	Field day, field visit	Seed, Sulphur
2	Varietal Evaluation + Nutrient Management	Fieldpea	Low yield	-	Evaluation of variety	Production technology of fieldpea	-	Field day, field visit	Seed, Biofertilizer

3	Varietal Evaluation + Nutrient management	Chickpea	Low yield, incidence of wilt, pod borer	-	Evaluation of variety	Production technology of chickpea	-	Field day, field visit	Seed, Biofertilizer, Carbendazim,
4	Varietal evaluation	Lentil	Low yield	-	Evaluation of variety	Production technology of lentil	-	Field day, field visit	Seed
5	Varietal Evaluation + Nutrient Management	Pigeonpea	Low yield, incidence of wilt, pod borer	-	Evaluation of variety	Production technology of pigeonpea	-	Field day, field visit	Seed, Biofertilizer, Carbendazim
6.	Varietal evaluation	Wheat	Low yield in usar soil	-	Evaluation of variety	Production technology of wheat	-	Field day, field visit	Seed
7.	Varietal evaluation	Wheat	Low yield in normal soil	-	Evaluation of variety	Production technology of wheat	-	Field day, field visit	Seed
8.	Varietal evaluation	Rice	Low yield in usar soil	-	Evaluation of variety	Production technology of rice	-	Field day, field visit	Seed
9.	Disease Management	Paddy	Low yield	-	Seed treatment with Carbedazim @ 2.5 gm/ kg seed + Spraying of Propiconazole 25%EC @ 0.1% during panicle initiation (booting stage/ initiation of 5% Ear) for false smut	Disease management in Paddy Production	-	Field Visit	Carbendazim Propiconazole
10.	Varietal evaluation	Bajra	Low yield	-	Evaluation of variety	Production technology of bajra	-	Field day, field visit	Seed
11.	Varietal evaluation	Okra	Low yield	-	Evaluation of variety	Production technology off okra	-	Field day, field visit	Seed
12.	Varietal evaluation	Tomato	Low yield	-	Evaluation of variety	Production technology of tomato	-	Field day, field visit	Seed
13.	Varietal evaluation	Vegetable Pea	Low yield	-	Evaluation of variety	Production technology of vegetable pea	-	Field day, field visit	Seed
14.	Mushroom Production	Mushroom	Production of Oyeter mushroom	-	Evaluation of variety	Production technology of mushroom	-	Field day, field visit	Mushrrom spawn
15.	Mushroom Production	Milky Mushroom	Production of Milky mushroom on farm waste, wheat straw	-	Evaluation of variety	Production of Milky mushroom on farm waste, wheat straw	-	Field day, field visit	Seed, sticky trap and nimbicidine

16.	Varietal Evaluation	Brinjal	Low yield of brinjal due to improper selection of brinjal variety	Evaluation of high yielding variety of **brinjal**	-	-	-	Field visit	Seed
17.	INM	Onion	Low yield of Onion due to deficiency of Sulphar	Effect of Sulphar in Onion	-	-	-	Field visit	Seed and Sulphar
18.	IPM	Pigeon Pea	Low yield due to pod borer in infestation in Pigeon Pea	Management of pod borer in Pigeon Pea	-	-	-	Field visit	NPV & Emamectin benzoate
19	IPM	Brinjal	Low yield of brinjal due to phytoplasma infestation	Management of Little leaf of brinjal	-	-	-	Field visit	*Thiomethaxam, tetracycline*
20.	Breed improvement	Livestock (Goat)	Local breed, low body weight of kid and small kidding size	Improvement of goat breed by selective breeding	-	-	-	Field visit	Dewormer
21.	Disease Management	Livestock (Cattle)	Anoestrus/ Repeat Breeding animal	Prevention of anoustrus in Dairy animal in supplementation Mineral mixture(micro and macro minerals) & Dewormers	-	-	-	Field visit	Mineral mixture and Dewormer
22.	Value addition	-	Awareness about value added products of Sorghum	Introduction of value addition in Sorghum	-	-	-	Field visit	Sorghum and Other inputs
23.	Small Scale income generating enterprises	-	Unawareness about tutti fruitti technology of farm women	Income generation of farm women through Tutti Frutti	-	-	-	Field visit	Papaya and Other inputs

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					Brinjal					
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management	Wheat				onion					
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition	Sorgham									

Integrated Pest Management					Tomato					
Integrated Disease Management					Potato					
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL										

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	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-

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				Dewormer				
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-

B. Details of On Farm Trial (Based on soil test analysis)

OFT 1:

Particulars	Contents
Title	**Introduction of value addition in Sorghum**
Problem diagnose/defined	Awareness about value added products of Sorghum
Details of technologies selected for assessment / refinement	T1: Farmers Practice (No use of Sorghum in diet) T2: Value added products made with Sorghum (Shakarpara, Halwa, Namkeen)
Source of technology	Indian Institute of Millet Research, Hyderabad
Production system thematic area	Demonstration through value added products
Thematic area	Improved Technology
No. of trials	10
Critical inputs	Sorghum, other inputs

Performance of the technology with performance indicators	(i) Technical - Capacity building (ii) Social - Acceptability

OFT: 2

Particulars	**Contents**
Title	**Nutritional Supplement for growing children (upto 6 years): Sattu**
Problem diagnose/defined	Unawareness about use of Sattu as nutritional supplement for growing children
Details of technologies selected for assessment / refinement	T1: Farmers Practice (unawareness about use of sattu as nutritional supplement) T2: Low cost nutritional supplement (Sattu)
Source of technology	GVBPUT, Pantnagar
Production system thematic area	Improved Technology
Thematic area	Design and development of high nutritional efficiency diet
No. of trials	10
Critical inputs	Roasted chick pea flour, Barley flour, Sesame seed and Jaggery
Performance of the technology with performance indicators	(i) Technical - Nutritional status (ii) Social - Acceptance

OFT-3

Particulars	**Contents**
Title	Evaluation of high yielding variety of **brinjal**
Problem diagnosed	Low yield of brinjal due to improper selection of brinjal variety
Micro farming situation	Irrigated, sandy loam soil
Production system and thematic area	Rice-wheat, replacement of old variety
Details of technology identified for solution	**T_1** Farmer practices **T_2** Kashi Sandesh
No. of farmers	5
Replications	5
Critical inputs	Seed
Production system	Rice-Wheat/Veagetale
Source of technology	IIVR,Varanasi
Total Cost	Rs 10000/-
Observation to be recorded	(i) Technical - No. of fruits/plant, fruit's length, fruit's width, yield q/ha (ii) Economical – BC ratio (iii) Social - Acceptability
Reaction of the farmers	Low yield of Brinjal

OFT-4

Particulars	**Contents**
Title	Effect of Sulpher in Onion
Problem diagnosed	Low yield of Onion due to deficiency of Sulphar
Micro farming situation	Irrigated, sandy loam soil
Details of technology identified for solution	**T_1** Farmer practices No use of Sulpher **T_2** Application of Sulphar @ 25 kg/ha.
No. of farmers	5 (SC/ST 1+ Others 4)
Replications	5
Critical inputs	Seed & Sulphar
Production system	Rice-Wheat/ Veagetale
Source of technology	NHRDFR, Nasik
Total Cost	Rs 15000/-
Observation to be recorded	(i) Technical - Plant hight, Bulb Size, Colour , Weight & yield q./ha. (ii) Economical – BC ratio (iii) Social - Acceptability
Reaction of the farmers	Low yield of onion

OFT-5

OFT-6

Particulars	Contents
Title	To Assess the foliar application of Nano urea on yield of wheat
Problem diagnosed	Imbalance use of urea resulting in high cost of cultivation
Micro farming situation	Irrigated, sandy loam soil
Details of technology identified for solution	**T_1** Farmer practices (Use of urea as top dressing @ 160 kg / ha) **T_2** Use of Nano urea as foliar application @ 3-4 mL/ L
No. of farmers	5
Replications	5
Critical inputs	Nano Urea
Production system	Rice-Wheat cropping system
Source of technology	IFFCO, New Delhi
Observation to be recorded	(i) Technical - No. of tillers/plant, No. of grain / ear , yield q/ha (ii) Economical – BC ratio (iii) Social - Acceptability
Reaction of the farmers	High cost of conventional urea

Particulars	Contents
Title	**Assessment of Knowledge & Adoption of Soil Health Card based on fertilizer application**
Problem diagnose/defined	Poor knowledge about SHC recommendation
Name of Technology	The Primary data will be collected with the help of structured interview schedule by involving selected farmers
Details of technologies selected for assessment	T1: Farmers Practice (farmers are not using fertilizers as per SHC recommmendation) T2: To find out the knowledge and adoption of farmers towards soil health T3: To find out the constaints perceived by the farmers in adoption of Soil Health Cards recommendation
Source of technology	Dept. of Agril. Extension IASc., BHU, Varanasi
Thematic area	Capacity building
No. of replication	25
Parameters to be recorded as performance indicators	Age ,Education, Family Size, social Participation, land holding, ,Family income and Feed back

OFT-7

Particulars	Contents
Title	To assess the response of Cymoxanil+mancozeb fungicide for control of early & late blight of potato
Problem diagnosed	No **suitable** control measures are adopted due to lack of effective broad spectrum fungicide
Micro farming situation	Irrigated, sandy loam soil
Details of technology identified for solution	T1 Use of Mancozeb @ 3 gm / litre water (Farmer practice) T_2 – Cymoxanil+mancozeb 3 gm/litre water
No. of farmers	5(SC/ST 1+ other 4)
Replications	5
Critical inputs	Cymoxanil+mancozeb
Production system	Rice-Wheat
Source of technology	CPRI, Shimla
Total Cost	Rs 3500/-
Observation to be recorded	Early and late blight disease incidence (%), yield q./ha., B:C ratio
Reaction of the farmers	Knowledge level & awareness of new agricultural information

OFT-8

Particulars	Contents
Title	Fruit borer management in tomato
Problem diagnosed	Low yield of tomato crop due to heavy infestation of fruit borer
Micro farming situation	Irrigated, sandy loam soil

Details of technology identified for solution	T_1 : Farmers practice (No proper pest management) T_2 : 2 sprays of Indoxacarb @ 250 ml /ha
No. of farmers	5(SC/ST 1+ other 4)
Replications	5
Critical inputs	Indoxacarb
Production system	Rice-Wheat
Source of technology	ICAR-IIVR, Varanasi
Total Cost	Rs 4000/-
Observation to be recorded	No of affected fruits /plant, Yield (q/ha), B.C.ratio
Reaction of the farmers	Knowledge level & awareness of new agricultural information

OFT-9

Particulars	Contents
Title	Improvement of goat breed by selective breeding
Problem diagnosed	Local breed, low body weight of kid and small kidding size
Details of technology identified for assessment/refinement	T1: Farmers Practices (Rearing of non descript breed) T2: selective breeding
Source of technology	CIRG, Makhdoom, Mathura
Production system thematic area	Livestock based farming system
Thematic area	Breed Improvement
Critical inputs	Dewormer
No. of farmers	10 (10 animals)
Performance of the technology with performance indicators	(i) Technical – Kidding size, kid body weight. (ii) Economical – Additional income (iii) Social- Acceptability

OFT-10

Particulars	Contents
Title	Prevention of anoustrus in Dairy animal in supplementation Mineral mixture(micro and macro minerals) & Dewormers
Problem diagnosed	Anoestrus/ Repeat Breeding animal
Details of technology identified for assessment/refinement	T1: Farmers' Practices (No use of mineral supplementation) T2: Mineral mixture @25 gm/day/animal 30 days+ Dewormer
Source of technology	ICAR-IVRI, Bareilly
Production system thematic area	Livestock based farming system
Thematic area	Dairy Management
Critical inputs	Mineral mixture and Dewormer
No. of farmers	10 farmers (10 cross breed cow)
Performance of the technology with performance indicators	(i) Technical – Incidence of infertility (ii) Social- Acceptability

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.	Mustard	RH 749	ICM	• Improved variety • Nutrient management	• Seed • Sulphur	Rabi, 2023	50.0	125	• Yield • No. of siliqua per plant
2.	Pigeonpea	Rajendra Arhar-2	Varietal Evaluation + Nutrient management	• Improved variety • Nutrient management • Wilt management	• Seed • Biofertilizer • Carbendazim	Kharif, 2023	10.0	25	• Yield • No. of pods per plant • No. of wilt affected plants

3.	Fieldpea	IPFD 12-2	Varietal Evaluation + Nutrient Management	• Improved variety • Nutrient management	• Seed • Biofertilizer	Rabi, 2023	10.0	25	• Yield • No. of pods per plant
4..	Chickpea	RVG-202	Varietal Evaluation + Nutrient management	• Improved variety • Nutrient management • Wilt management	• Seed • Bio-fertilizer • Carbendazim	Rabi, 2023	10.0	25	• Yield • No. of pods per plant • No. of wilt affected plants
5.	Lentil	IPL-316	Varietal evaluation	• Improved variety	• Seed	Rabi, 2023	10.0	25	• Yield • No. of pods per plant • No. of wilt affected plants
7.	Bajra	NSC-1071 P	Varietal evaluation	• Improved variety	• Seed	Kharif, 2023	5.0	25	• Yield
9.	Wheat	HD-2967/ DBW-187	Varietal evaluation	• Improved variety in normal soil	• Seed	Rabi, 2023	3.0	12	• Yield
10.	Okra	Kashi Kranti	Varietal evaluation	• YVMV Tolerant variety • Timely sowing	Seed	Zaid 2023	1.0	25	• Yield
11.	Tomato	Kashi Aman	Varietal evaluation	• TLCV resistant variety • Timely sowing	Seed	Kharif 2023	1.0	20	• Yield
12.	Vegetable Pea	KashiMukti	Varietal evaluation	• Improved variety • Timely sowing	Seed	Rabi, 2023	1.0	25	• Yield
13	Mushroom	Oyster Mushroom	Mushroom Production	• Production of oyster mushroom on farm waste, wheat straw	Mushrrom spawn	Kharif, 2023	-	10	• Yield
14	Paddy	-	Disease Management	Seed treatment with Carbedazim @ 2.5 gm/ kg seed + Spraying of Propiconazole 25%EC @ 0.1% during panicle initiation (booting stage/ initiation of 5% Ear) for false smut	Carbendazim Propiconazole	Kharif, 2023	2	5	• Disease Incidence • Yield
15	Pigeon pea	-	Pest Management	Use of NPV 250 LE/ha + use of bird perches + spraying of Emamectin benzoate @ 100 gm/ha	Emamectin benzoate	Kharif, 2023	1	5	• Pest Incidence • Yield
	Chick pea	-	Pest Management	Use of NPV 250 LE/ha + use of bird perches + spraying of Emamectin benzoate @ 100 gm/ha	Emamectin benzoate	Rabi, 2023	1	5	• Pest Incidence • Yield

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
1	Field days	10	March, May, September	350
2	Farmers Training	12	Sowing & FLD time	360
3	Media coverage	20		

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
Fisheries	Indian Major Carp	10	2000	Fingerlings	Growth performance and income generation.
Sheep/Goat	GOAT/SHEEP	50	100	Dewormers	Incidence of diseases
Cattle/Buffalo	Cattle/Buffalo	50	100	Dewormers	Incidence of diseases
Cattle/ Buffalo	Cattle/ Buffalo	50	100	Ectoparasiticides	Incidences of diseases
Green Fodder	Berseem	25	2 ha	seeds	Improvement of Dairy
Fisheries	Indian Major Carp	10	2000	Fingerlings	Growth performance and income generation.

(i) FLD on women Empowerment

Category	Name of technology	No. of demonstration	Name of observation	Demonstration	Check
Farm women	Nutritional Security through Nutritional Garden (Nutrients rich crop, coloured vegetables)	20	Economic, Acceptability	Nutritional security	-

3.3 Training (Including the sponsored and FLD training programmes):
A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Resource Conservation Technologies	01	16	02	18	02	01	03	21
Cropping Systems	1	15	3	18	2	1	3	21
Integrated Farming	1	16	2	18	2	1	3	21
Seed production	2	30	4	34	5	3	8	42
Nursery management	1	14	1	15	4	1	5	20
Other (Low cast technology)	1	15	3	18	2	1	3	21
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	7	110	5	115	22	0	22	137
Nursery raising	3	50	2	52	8	0	8	60
Others	1	15	2	17	3	-	3	20
IV Livestock Production and Management								
Dairy Management	3	49	11	60	9	6	15	75
Disease Management	2	33	5	38	10	0	10	48
Nutrition Management	2	33	4	37	5	4	9	46
V Home Science/Women empowerment								
Design and development of low/minimum cost diet	01	-	10	10	-	05	05	15
Value addition	05	-	48	48	-	27	27	70
Income generation activities for empowerment of rural Women	02	-	20	20	-	10	10	35
Women and child care	1	-	10	10	-	05	05	15
VI Agril. Engineering	**9**	**0**	**88**	**88**	**0**	**47**	**47**	**135**
VII Plant Protection								
Integrated Pest Management	02	29	-	29	08	03	11	40
Bio-control of pests and diseases	01	15	-	15	05	-	05	20
Production of bio control agents and bio pesticides	01	17	-	17	03	-	03	20
IX Production of Inputs at site								
Seed Production	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-

Vermi-compost production	1	15	2	17	3	2	5	20
Organic manures production	2	29	3	32	7	3	10	40
X Capacity Building and Group Dynamics	**3**	**44**	**5**	**49**	**10**	**5**	**15**	**60**
TOTAL	**41**	**501**	**137**	**638**	**100**	**73**	**173**	**807**
(B) RURAL YOUTH								
Mushroom Production	01	12	-	12	3	-	3	15
Bee-keeping	01	12	-	12	3	-	3	15
Seed production	01	15	-	15	-	-	-	15
Vermi-culture	01	15	-	15	5	-	5	20
Value addition	2	-	20	20	-	10	10	30
Composite fish culture	01	5	-	5	5	-	5	10
TOTAL	**07**	**59**	**20**	**79**	**16**	**10**	**26**	**105**
(C) Extension Personnel								
Integrated Pest Management	1	20	-	20	-	-	-	20
Management in farm animals (Disease Management)	01	10	-	10	05	-	05	15
Other (Natural farming)	1	20	-	20	-	-	-	20
TOTAL	**3**	**50**	**0**	**50**	**5**	**0**	**5**	**55**
G. Total	**51**	**610**	**157**	**767**	**121**	**83**	**204**	**967**

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Cropping Systems	1	16	2	18	1	1	2	20
Integrated Farming	1	15	2	17	2	1	3	20
Water management	1	14	4	18	5	2	7	25
Seed production	2	30	4	34	10	6	16	50
Nursery management	1	15	2	17	5	3	8	25
Integrated Crop Management	1	15	2	17	2	1	3	20
Others (Low cast of technology)	2	30	4	34	10	6	16	50
II Horticulture	**9**	**135**	**20**	**155**	**35**	**20**	**55**	**210**
a) Vegetable Crops								
Production of low volume and high value crops	9	141	22	163	30	13	43	206
Nursery raising	1	12	3	15	3	2	5	20
Training and Pruning	1	20	2	22	3	-	3	25
Layout and Management of Orchards	1	15	2	17	2	1	3	20
Cultivation of Fruit	2	30	4	34	3	3	6	40
III Soil Health and Fertility Management								
Soil and Water Testing	1	15	2	17	5	2	7	24
IV Livestock Production and Management								
Dairy Management	5	65	26	91	21	9	30	121
Poultry Management	1	12	5	17	6	2	8	25
Disease Management	3	47	13	60	17	3	20	80
Nutrition Management	3	37	19	56	15	6	21	77
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	-	22	22	-	18	18	40
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet	1	-	12	12	-	8	8	20
Minimization of nutrient loss in processing								

Income generation activities for empowerment of rural Women	4		34	34	-	31	31	65
Location specific drudgery reduction technologies	1	-	15	15	-	5	5	20
Women and child care	1	-	12	12	-	8	8	20
VII Plant Protection								
Integrated Pest Management	7	114	-	114	26	-	26	140
Integrated Disease Management	3	54	-	54	11	-	11	65
IX Production of Inputs at site								
Organic manures production (A.S.)-NADEP	1	15	2	17	5	3	8	25
X Capacity Building and Group Dynamics								
Group dynamics	01	15	02	17	02	01	03	20
Mobilization of social capital (PFBY)	1	20	0	20	0	0	0	20
XII Others (Please specify)								
TOTAL	**59**	**762**	**219**	**981**	**189**	**137**	**326**	**1307**
(B) RURAL YOUTH								
Mushroom Production	**01**	**10**	**-**	**10**	**2**	**-**	**2**	**12**
Value addition	2	-	20	20	-	10	10	30
TOTAL	**3**	**10**	**20**	**30**	**2**	**10**	**12**	**42**
(C) Extension Personnel								
Integrated Pest Management	01	20	-	20	-	-	-	20
Protected cultivation technology	01	28	-	28	07	-	07	35
Group Dynamics and farmers organization	1	-	10	10	-	5	5	15
Management in farm animals (Disease Management)	1	28	-	28	7	-	7	35
Household food security	1	-	10	10	-	5	5	15
Women and Child care	01	-	10	10	-	05	05	15
TOTAL	**6**	**76**	**30**	**106**	**14**	**15**	**29**	**135**
G. Total	**68**	**848**	**269**	**1117**	**205**	**162**	**367**	**1484**

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	
(A) Farmers & Farm Women								
I Crop Production								
Resource Conservation Technologies	1	16	2	18	2	1	3	21
Cropping Systems	2	31	5	36	3	2	5	41
Crop Diversification								
Integrated Farming	2	31	4	35	4	2	6	41
Water management	1	14	4	18	5	2	7	25
Seed production	4	60	8	68	15	9	24	92
Nursery management	2	29	3	32	9	4	13	45
Integrated Crop Management	1	15	2	17	2	1	3	20
Other (Low cast Technology)	3	45	7	52	12	7	19	71
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	16	251	27	278	52	13	65	343
Off-season vegetables								
Nursery raising	4	62	5	67	11	2	13	80
Other	1	15	2	17	3	-	3	20
b) Fruits								
Training and Pruning	1	20	2	22	3	-	3	25
Layout and Management of Orchards	1	15	2	17	2	1	3	20
Cultivation of Fruit	2	30	4	34	3	3	6	40
c) Ornamental Plants								

e) Tuber crops								
Production and Management technology	01	15	03	18	05	02	07	25
III Soil Health and Fertility Management								
Soil and Water Testing	1	15	2	17	5	2	7	24
IV Livestock Production and Management								
Dairy Management	8	114	37	151	30	15	45	196
Disease Management	5	80	18	98	27	3	30	128
Nutrition Management	5	70	23	93	20	10	30	123
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	-	22	22	-	18	18	40
Design and development of low/minimum cost diet	1	-	10	10	-	5	5	15
Designing and development for high nutrient efficiency diet	1	-	12	12	-	8	8	20
Value addition	9	0	82	82	0	58	58	135
Income generation activities for empowerment of rural Women	2	-	20	20	-	10	10	35
Location specific drudgery reduction technologies	1	-	15	15	-	5	5	20
Rural Crafts	-	-	-	-	-	-	-	-
Women and child care	02	-	22	22	-	13	13	35
VII Plant Protection								
Integrated Pest Management	09	143	-	143	34	03	37	180
Integrated Disease Management	03	54	-	54	11	-	11	65
Bio-control of pests and diseases	01	15	-	15	05	-	05	20
Production of bio control agents and bio pesticides	01	17	-	17	03	-	03	20
IX Production of Inputs at site								
Vermi-compost production	1	15	2	17	3	2	5	20
Organic manures production-NADEP	3	44	5	49	12	6	18	65
X Capacity Building and Group Dynamics								
Group dynamics	1	15	2	17	2	1	3	20
Mobilization of social capital (PFBY)	1	20	0	20	0	0	0	20
XII Others (Please specify)								
TOTAL	**100**	**1263**	**356**	**1619**	**289**	**210**	**499**	**2114**
(B) RURAL YOUTH								
Mushroom Production	02	22	-	22	05	-	05	27
Bee-keeping	01	12	-	12	03	-	03	15
Seed production	1	15	-	15	-	-	-	15
Vermi-culture	1	15	-	15	5	-	5	20
Value addition	4	0	40	40	0	20	20	60
Fry and fingerling rearing	1	5	-	5	5	-	5	10
TOTAL	**10**	**69**	**40**	**109**	**18**	**20**	**38**	**147**
(C) Extension Personnel								
Integrated Pest Management	02	40	-	40	-	-	-	40
Protected cultivation technology	01	28	-	28	07	-	07	35
Management in farm animals (Disease Management)	2	38	0	38	12	0	12	50
Household food security	1	-	10	10	-	5	5	15
Women and Child care	01	-	10	10	-	05	05	15
Low cost and nutrient efficient diet designing	01	-	10	10	-	05	05	15
Other	1	20	-	20	-	-	-	20
Total	**9**	**126**	**30**	**156**	**19**	**15**	**34**	**190**
G. TOTAL								

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	300	30	330	15	-	15	315	30	345
KisanMela	01	500	50	550	70	-	10	510	50	560
KisanGhosthi	04	230	65	295	25	-	25	255	65	320
Exhibition	02	500	50	550	20	10	30	520	60	580
Film Show	-	-	-	-	-	-	-	-	-	
Farmers Seminar	01	50	10	60	05	-	05	55	10	65
Workshop	-	-	-	-	-	-	-	-	-	-
Group meetings	01	40	05	45	01	-	01	41	05	46
Lectures delivered as resource persons	05	300	40	340	10	02	12	310	42	352
Newspaper coverage	45	-	-	-	-	-	-	-	-	-
Radio talks	06	-	-	-	-	-	-	-	-	-
TV talks	06	-	-	-	-	-	-	-	-	-
Popular articles	06	-	-	-	-	-	-	-	-	-
Extension Literature	04	-	-	-	-	-	-	-	-	-
Advisory Services	200	60560	9020	69580	3530	215	3745	64090	9235	93325
Scientific visit to farmers field	125	60	20	80	30	15	45	90	35	125
Farmers visit to KVK	475	350	55	405	50	20	70	400	75	475
Diagnostic visits	100	75	25	100	-	-	-	75	25	100
Exposure visits	02	50	10	60	-	-	-	50	10	60
Ex-trainees Sammelan	01	30	05	35	-	-	-	30	05	35
Soil health Camp	01	35	05	40	-	-	-	35	05	40
Animal Health Camp	01	50	05	55	05	-	05	55	05	60
Infertility Prevension Camp	01	50	05	55	05	-	05	55	05	60
Soil test campaigns	02	60	10	70	-	-	-	60	10	70
Farm Science Club Conveners meet	02	30	10	40	-	-	-	30	10	40
Self Help Group Conveners meetings	01	-	20	20	-	-	-	-	20	20
Celebration of important days (specify)	01	30	10	40	05	-	05	35	10	45
Pre Kharif workshop	01	400	50	450	10	-	10	410	50	460
Pre Rabi workshop	01	400	50	450	10	-	10	410	50	460
PPVFRA workshop	-	-	-	-	-	-	-	-	-	-
Any Other (Women Day, Environmental Day, etc.)	03	120	40	160	05	-	05	125	40	165
Total	**1135**	**64280**	**9610**	**73890**	**3826**	**277**	**4043**	**68046**	**9887**	**97933**

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Paddy	Kala Namak, Adamchini, Pusa Sugandha-5, Pusa sambh	100
	Wheat	HD-2967	40
VEGETABLES	Tomato fruit	Kashi aman	0.5
	Spinach leaves	All green	0.2

	Spinach seed	All green	0.2
	Kashuri methi leaves	Local	0.4
	Broccoli	Crysto	0.1
	Cabbage	Hari rani gol	0.21
	Cauliflower	Snowball16	0.21
	Knoll khol	White viyana	0.1
	Onion bulb	AFLR	0.24

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
VEGETABLES			
	Bottle guard	Kashi Ganga	45
	Sponge gourd	Kasha divya	146
	Bitter gourd	KashiUrvasi	66
	Onion	AFLR	8400

BIO-PRODUCTS

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1	Vermi Compost			94

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
POULTRY		Vanraja	200	
FISHERIES		Indian carp	34.88	

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	4	
2	Technical reports	10	
5	Popular article	20	
	Total	**34**	

(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) Poor yield at farmers level

b) New variety/technology
c) Diagnostic visits

Rural Youth

a) New technology
b) Location specific existing farm system approach
c)
d)

In-service personnel

a) New variety/technology
b)
c)

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT : Field level observations and farmer group discussion

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

For FLD : New variety/technology

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: Yet to be established (mini soil testing kit available)

1. Year of establishment :

2. List of equipment 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				-
Water				-
Plant				-
Total				**-**

4. LINKAGES

4.1 Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1.	BHU, Varanasi	Procurement of seeds, training
2.	NDUAT, Faizabad	Procurement of seeds, Horticultural plants and Participating meetings and training programmes
3.	CSAUT, Kanpur	Procurement of seeds
4.	IIPR, Kanpur	Procurement of seeds and demonstration
5.	IARI, New Delhi	Procurement of seeds and technical guidance
6.	CSSRI, Karnal	Procurement of seeds, Training programme and demonstration
7.	DRDA, Bhadohi	By providing fund for establishment of food processing unit regarding training for women's and SHGs

8.	Department of Agriculture, U.P.	Training and extension
9.	Department of Horticultural	Training and extension
10.	Department of Animal husbandary	Joint diagnostic survey and implementation
11.	NDRI, Karnal	Procurement of feed additives
12.	CARI, Bareilly	Procurement of chicks
13.	Akashwani&Doordarshan	Promotion of scientific technology
14.	DSR, Mau, U.P.	Procurement of seeds
15.	IVRI, Bareilly	Procurement of area specific mineral mixture and UMMMB machine
16.	F/O Veterinary sciences and Animal Husbandry, RGSC, BHU, Barkachha, Mirzapur	Expert and timely suggestion

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	As Resource Person
2	Gosthi	As Resource Person
3	KisanMela	As Resource Person

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Training	As Resource Person
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	-	-
	Total	

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 (2017-18)

S. No.	Name of Programme	Detailed Technical Achievements	Physical (infrastructural achievement)
	a.Pigeonpea	**Variety-NDA-2 , Application of fertilizers as 100kg DAP,20kg Sulphur used by Farmers**	**10 ha , 34 Beneficiaries,19 clusters,crops are good**
	b.Urdbeen (Pant Urd-31)	**Variety-Pant Urd -31, Application of fertilizers as 100kg DAP,20kg Sulphur used by Farmers**	**10 ha , 29 Beneficiaries, 18 clusters**
7	**Other (NIFTD)**		
	Total		

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	
Horticulture										
10.01.2023	PF	Production technology of onion	01	18	-	18	02	-	02	20
19.02.2023	PF	Production technology of cowpea	01	15	02	17	03	-	03	20
21.02.2023	PF	Scientific cultivation of okra	01	12	03	15	02	-	02	17
23.03.2023	PF	Production technology Elephant foot Yam (EFY)	01	17	-	17	03	-	03	20
25.05.2023	PF	Nursery management of solanacious crop	01	18	-	18	02	-	02	20
12.07.2023	PF	Scientific cultivation of chilli	01	15	-	15	05	-	05	20
19.07.2023	PF	Plantation of Moringa	01	15	02	17	03	-	03	20
10.08.2023	PF	Scientific cultivation of broccoli	01	18	-	18	02	-	02	20
15.09.2023	PF	Nursery management of Cole crop	01	17	-	17	03	-	03	20
03.10.2023	PF	Production technology of vegetable pea	01	15	-	15	05	-	05	20
08.12.2023	PF	Nursery management of vegetables in poly tunnel	01	15	02	17	03	-	03	20
Livestock prod.										
06.06.2023	PF	To minimize the mortality in Sheep & Goat contagious diseases	01	15	03	18	05	-	05	23
17.07.2023	PF	Reduced the incidence of rabbies in cow & buffalo	01	18	02	20	05	-	05	25
14.08.2023	PF	Importance of mineral mixture for milk powder and fertility management	01	15	05	20	03	02	05	25
12.09.2023	PF	Importance of desi cow and its adoption	01	17	03	20	03	02	05	25
15.10.2023	PF	Increases the nutritional value of paddy straw for better production	01	18	02	20	02	03	05	25
14.11.2023	PF	Use of A.I. for breed improvement and its important for milk production	01	17	03	20	03	02	05	25
14.12.2023	PF	Alternatives of green fodder by Azolla and Hydroponic for dairy animals	01	15	02	17	03	01	04	21
Agril. Extn.										
20.01.2023	PF	Integrated farming system for doubling farmers income	01	16	02	18	02	01	03	21
15.02.2023	PF	Production Technology of moong pulses	01	15	02	17	02	01	03	20
10.04.2023	PF	Making of NADEP compost	01	15	02	17	03	02	05	20
12.05.2023	PF	Importance of green manuring	01	14	01	15	04	01	05	20
20.05.2023	PF	Management of healthy paddy nursery	01	14	01	15	04	01	05	20
10.08.2023	PF	Best method practice for toria and mustard	01	15	02	17	03	02	05	22
25.09.2023	PF	Production of varmi compost	01	15	02	17	03	02	05	20
15.10.2023	PF	Best method practice of Rabi pulses	01	15	03	18	02	01	03	21
19.11.2023	PF	Zero tillage technology in wheat	01	16	02	18	02	01	03	21
12.12.2023	PF	Natural Farming	01	15	03	18	02	01	03	21
Home Sc.										
06.01.23	PF	Preparing low cost nutritious recipe	01	-	10	10	-	05	05	15
04.02.23	PF	Value addition in mushroom	01	-	10	10	-	05	05	15
05.03.23	PF	Value addition in tomato	01	-	10	10	-	05	05	15
18.04.23	PF	Value addition in raw mango fruit	01	-	10	10	-	05	05	15

02.05.23	PF	Value addition in bitter gourd	01	-	10	10	-	05	05	15
18.06.23	PF	Value addition in Jackfruit	01	-	08	08	-	07	07	15
10.10.23	PF	Value addition in Ash gourd	01	-	10	10	-	05	05	15
13.11.23	PF	Candle making	01	-	10	10	-	05	05	15
04.12.23	PF	Value addition in Mushroom	01	-	10	10	-	05	05	15

Plant protection.										
09.03.2023	PF	Safer use of pesticides	01	15	-	15	05	-	05	20
08.06.2023	PF	Method of preparation of neem seed kernel extract (NSKE)	01	17	-	17	03	-	03	20
20.07.2023	PF	IPM in paddy	01	14	-	14	03	03	06	20
14.12.2023	PF	Bio-control of chickpea pod borer	01	15	-	15	05	-	05	20

ii) Vocational training programmes for Rural Youth (On Campus)

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Seed Production	Income Generation	Quality seed production of wheat mustard and rabi pulses .	Oct-23	05	15	-	15	-	-	-	15
Bee Keeping	Income Generation	Entrepreneurship development in bee keeping	Aug-23	05	12	-	12	03	-	03	15
Mushroom Production	Income Generation	Production of Button mushroom	Sept-23	05	12	-	12	03	-	03	15
Capacity building	Income Generation	Vermi composting	Jan-23	05	15	-	15	05	-	05	20
Capacity building	Skill Development	Fish Farming and Production	Oct-23	3	5	-	5	5	-	5	10
Capacity building	Skill Development	Value addition in nutrient rich crops	Oct-23	2	-	10	10	-	05	05	15
Income generation	Value addition in Locally available vegetables	Products of locally available vegetables and fruits	Dec-23	2	-	10	10	-	05	05	15

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	
On Campus										
20.01.2023	EF	Natural farming	01	20	-	20	-	-	-	20
16.11.2023	EF	Disease management in dairy animal	01	10	-	10	05	-	05	15
16.01.2023	EF	Pest management in pulse crops	01	20	-	20	-	-	-	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	
Horticulture										
20.01.2023	PF	Production technology of okra	01	15	02	17	02	01	03	20
12.02.2023	PF	Scientific cultivation of elephant foot yam	01	15	03	18	05	02	07	25
16.02.2023	PF	Scientific cultivation of cow pea	01	14	04	18	03	04	07	25
07.04.2023	PF	Irrigation system of vegetables in summer season	01	14	04	18	05	02	07	25
29.04.2023	PF	Training & pruning of Ber orchard	01	20	02	22	03	-	03	25
24.05.2023	PF	Layout of orchard management of fruits	01	15	02	17	02	01	03	20
15.06.2023	PF	Scientific cultivation of banana	01	15	02	17	02	01	03	20

23.06.2023	PF	Production technology of Drumstick	01	20	02	22	03	-	03	25
08.07.2023	PF	Scientific cultivation of okra	01	16	04	20	04	01	05	25
25.07.2023	PF	Production technology of tomato	01	14	02	16	02	02	04	20
09.09.2023	PF	Scientific cultivation of root crop in cole crops	01	12	03	15	03	02	05	20
24.09.2023	PF	Scientific cultivation of papaya	01	15	02	17	01	02	03	20
01.10.2023	PF	Production technology of potato	01	15	-	15	05	-	05	20
04.10.2023	PF	Production technology of vegetable pea	01	20	02	22	03	01	04	26
10.11.2023	PF	Inter cropping of coriander in potato	01	16	02	18	01	01	02	20
17.12.2023	PF	Nursery management of early cucurbits on poly tunnel	01	12	03	15	03	02	05	20
Live Stock Production.										
05.01.2023	PF	Importance of deworming in cross breed cow & buffalo	01	12	05	17	06	01	07	24
19.01.2023	PF	Importance of Azola for dairy animal feed	01	12	05	17	05	02	07	24
15.03.2023	PF	Enhancing of farmers income by backyard poultry farming- Vanraja	01	12	05	17	06	02	08	25
05.05.2023	PF	To minimize the mortality of large animal from contagious diseases	01	15	05	20	05	02	07	27
12.06.2022	PF	Prevention the incidence of contagious disease in sheep & goat	01	17	03	20	07	01	08	28
29.06.2023	PF	Toxicity caused by green fodder in summer season in dairy animal its prevention	01	15	05	20	05	-	05	25
05.08.2023	PF	To reduce the incidences of repeat breading anoestrus in dairy animal	01	12	07	19	06	02	08	27
06.09.2023	PF	Importance of urea molasses mineral block in dairy animals for milk production	01	10	09	19	05	02	07	26
10.09.2023	PF	Detection of Heat and its symptoms in dairy animal.	01	15	02	17	02	03	05	22
07.10.2023	PF	Cause of infertility in dairy animal and its prevention	01	14	05	19	02	03	05	24
12.11.2023	PF	Importance of mineral mixture in ration of dairy animals for milk production	01	15	05	20	05	02	07	27
17.12.2023	PF	Care and management of lactating animal in winter	01	12	07	19	05	-	05	24
Agril. Extn.										
08.03.2023	PF	Importance of Ssoil Health Card for soil fertility	01	15	02	17	05	02	07	24
15.04.2023	PF	Low cost technology for better production	01	15	02	17	05	03	08	25
10.05.2023	PF	Management healthy paddy nursery	01	15	02	17	05	03	08	25
25.06.2023	PF	Management of Kharif pulses for doubling farmers income	01	15	02	17	02	01	03	20
10.07.2023	PF	Organic farming	01	15	02	17	02	01	03	20
11.08.2023	PF	Production technology of toria& mustard	01	15	02	17	05	03	08	25
21.09.2023	PF	Kisan club formation & utility	01	15	02	17	02	01	03	20
22.10.2023	PF	Preparation of NADEP compost for sustainable agriculture.	01	15	02	17	05	03	08	25
07.11.2023	PF	Production technology of rabi pulses	01	15	02	17	05	03	08	25
15.12.2023	PF	Natural farming	01	15	02	17	05	03	08	25
Home Sc.										
25.02.23	PF	Household food security by nutritional gardening	01	-	12	12	-	08	08	20
28.04.23	PF	Value addition in Bitter Gourd	01	-	12	12	-	08	08	20
07.06.23	PF	Value addition in Garlic	01	-	07	07	-	08	08	15
04.07.23	PF	Women and child care with use of coarse grains: an awareness program	01	-	12	12	-	8	8	20
23.08.23	PF	Designing of calcium rich diet for lactating women	01	-	12	12	-	08	08	20
23.09.23	PF	Value addition in ash gourd	01	-	05	05	-	10	10	15

10.10.23	PF	Awareness about drudgery reduction technologies	01	-	15	15	-	05	05	20
23.11.23	PF	Household food security by nutritional gardening	01	-	10	10	-	10	10	20
28.12.23	PF	Value addition in seasonal vegetables	01	-	10	10	-	05	05	15
Plant Protection										
14.01.2023	PF	Insect & Disease management in mango orchard	01	17	-	17	3	-	3	20
11.02.2023	PF	Nematode diseases of vegetable crops and their management	01	20	-	20	5	-	5	25
26.05.2023	PF	Disease Management in nursery of paddy	01	17	-	17	3	-	3	20
12.07.2023	PF	Key pest of kharif vegetables and their management	01	17	-	17	3	-	3	20
10.08.2023	PF	IPM in brinjal, chili and tomato	01	15	-	15	5	-	5	20
22.08.2023	PF	IPM in cucurbits	01	15	-	15	5	-	5	20
25.06.2023	PF	IPM in potato	01	15	-	15	5	-	5	20
12.10.2023	PF	IPM in mustard	01	17	-	17	3	-	3	20
04.11.2023	PF	Eco-friendly Pest management of pigeon pea	01	18	-	18	2	-	2	20
16.11.2023	PF	IPM in cole crops	01	17	-	17	3	-	3	20

ii) Vocational training programmes for Rural Youth (Off Campus)

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Mushroom production	Income generation	Production of Oyster mushroom and milky mushroom	Nov.-23	2	10	-	10	2	-	2	12
Capacity building	Skill Development	Value addition in nutrient rich crops	January -23	2	-	10	10	-	05	05	15
Small scale processing	Skill development	Income generation through Value addition in seasonal fruits	November -23	2	-	10	10	-	05	05	15

iii) Training programme for extension functionaries (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	
Off Campus										
10.08.2023	EF	Experiencel Learning Cycle for betterTraining	01	-	10	10	-	05	05	15
15.07.2023	EF	Disease Management in Sheep and Goat	01	28	-	28	07	-	07	35
17.09.2023	EF	Pest management in oilseed crops	01	20	-	20	-	-	-	20
15.12.2023	EF	Cultivation of vegetable crops in poly house	01	28	-	28	07	-	07	35
04.01.23	EF	Awareness about nutritional value of coarse grains	01	-	10	10	-	05	05	15
24.12.23	EF	Awareness about underutilized crops	01	-	10	10	-	05	05	15

DAMU

Action Plan 2023

DAMU Staff			
Post	**Name**	**Join**	**Basic Pay**
SMS (Agromet)	Mr. Sarvesh Baranwal	29.03.2019	50000/-fix
Agromet Observer	Vacant		

S.N.	Contents	Target
1	District Level Agromet Advisory	104
2	Block Level Agromet Advisory	624
3	Training Program	20
4	Feedback collection	1000
5	Nowcast Advisory	1000
6	Extended range forecast	20
7	Advisory outreach to farmers	200000
8	Meghdoot, Damini & Mausam app users	20000
9	NDVI Advisory	8
10	Soil testing advisory	20
11	Literature publication	4

Training Programme

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	
20.01.2023	PF	Better management practices to the Rabi crop, based on Agromet data.	01	14	01	15	04	01	05	20
29.03.2023	PF	Knowledge of harvesting, threshing and storage, keeping view the weather and their management.	01	12	03	15	03	02	05	20
13.10.2023	PF	Impact of climate change & their management.	01	12	03	15	03	02	05	20

Training programme for extension functionaries (Off campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants oth			Number of SC/ST			G. Total
				M	F	T	M	F	T	
16.09.2023	EF	Use the remote sensing technique analyze the vegetation condition at interval of 15 days.	01	15	00	15	5	0	5	20
16.09.2023	EF	Agromet advisory bulletin role in agriculture	01	17	00	17	5	0	5	22

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	
12.04.2023	PF	Using Meghdut app in farming for tackle & benefit of the coming weather.	01	18	0	18	02	0	02	20
05-06-2023	PF	To make strategy for paddy cultivation based on the onset of monsoon in Bhadohi.	01	16	4	20	0	02	02	22
22-06-2023	PF	Suitable time of sowing for pulse crop during Monsoon-2021	01	14	01	15	04	01	05	20
05-07-2023	PF	Suitable spraying time of weedicide for weed management based on weather data.	01	14	01	15	04	01	05	20
14-07-2023	PF	Proper irrigation scheduling and potencially use of monsoon rain through extended range forecast tool.	01	12	03	15	03	02	05	20
25-07-2023	PF	Better management practices in kharif crops based on Agromet Advisory Bulletins	01	16	01	17	02	01	03	20
15-09-2023	PF	Preferred the appropriate harvesting time for kharif crops in unfortunate case of excessive rain	01	14	01	15	04	01	05	20
02.09.2023	PF	How weather forecast can be utilize?	01	16	01	17	02	01	03	20
21.12.2023	PF	Advance Agromet technique for climate-smart Agriculture.	01	14	02	16	02	02	04	20
26.04.2023	PF	Contingency crop planning according to the weather condition	01	17	00	17	01	02	03	20
25.10.2023	PF	Diversified farming by the use of weather forecasting.	01	12	06	18	01	01	02	20
05.10.2023	PF	Spraying the chemicals on crops in view of coming weather.	01	14	03	17	02	01	03	20
25.01.2023	PF	Using of Nowcast technique in agriculture for sudden changes in weather.	01	16	02	18	02	0	02	20
05.09.2023	PF	Suitable time of Sowing of Rabi crop according to weather forecast	01	16	01	17	02	01	03	20
08.11.2023	PF	Utilization of weather forecast for protect to livestock	01	13	02	15	04	01	05	20

ANNUAL ACTION PLAN

KVK DEORIA

(1st January, 2023 to 31st 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
KrishiVigyan Kendra, Malhana, P.O. Bankata Mishra (Majhauli Raj) Distt. Deoria (UP) Pin- 274506	Office	FAX	kvkdeoria98@gmail.com	https://kvkdeoria.iivr.org.in

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

Address	Telephone		E mail	Website
	Office	FAX		
Indian Institute of Vegetable Research, P.B. No 01, Jakhini, Shahanshahpur, Varanasi 221 305 (UP)	0542-2635236, 2635237, 2635247	05443-229007	directoriivr@gmail.com	www.iivr.icar.org.in

1.2.b. Status of KVK website : https://kvkdeoria.iivr.org.in

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

1.2.d Status of ICT lab at your KVK :Completed

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. R. P. Sahu		9451768770	**ramdrprakash@gmail.com**

1.4. Year of sanction: 2008

1.5. Staff Position (as on 31, 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/ Others)	Mobile No.	Email id	Please attach recent photograph
1	SMS	Dr. Ram PrakashSahu	I/c KVK & SMS (T7-8)	Agril. Extension	15600 - 39100	6600	88400	25.07.2008	Permanent	OBC	9451768770	ramdrprakash@gmail.com	
2	SMS	Shri Rajneesh Srivastav	SMS (T6)	Horticulture	5400-39100	5400	87400	27-10-2006	Permanent	Other	9918566808	rajneeshkvk@gmail.com	
4	SMS	Sh. Kamlesh Meena	SMS (T7-8)	Agronomy	15600 - 39100	6600	85800	18.08.09	Permanent	ST	9559192543	kamalagronomy@gmail.com	

5	Farm Manager	Sh. Ajay Tiwari	Farm Manager (T4)	Horticulture	9300-34800	4600	-	03.03.10	Permanent	Other	94520 73553	ajaytiwariiivr@gmail.com	
6	Driver	Sh. Sarad Chand Rai	Driver (T1)	B.A. + ITI	5200-20190	2400	32300	15.02.11	Permanent	Other	94505 47114	scrai76@gmail.com	
7	Driver	Sh. Bharat Singh	Driver (T1)	12 + ITI	5200-20190	2400	32300	14.02.11	Permanent	Other	94158 13458	bharatiivr@gmail.com	

1.6. Total land with KVK (in ha) : 8.16

S. No.	Item	Area (ha)
1	Under Buildings	1.112
2.	Under Demonstration Units	0.4
3.	Under Crops	4.0
4.	Horticulture	-
5.	Pond	.06
6.	Unutilised	2.598

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	20/12/13	273		17/03/11		Completed
2.	Farmers Hostel	ICAR		198		06/07/10		Completed
3.	Staff Quarters (6)	ICAR	18/8/11	301.4		06/07/10		4 (Type3) Completed
4.	Demonstration Units (8)	ICAR	31/3/17	-	600000	-		Completed
5	Fencing	ICAR		125m.		15/11/13		Completed
	Other							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	20018-19		568	Good
Jeep	2008-09		156650	Very poor

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present Status	Required replacement
Computer	2009-10	41,556.00	Poor	Yes
Digital Camera	2009-10	10,400.00	Poor	Yes
Printer	2009-10	5,214.29	Poor	Yes
Fax Machine	2009-10	6,308.57	Good	No
Raised bed Planter	2010-11	60,490.00	Good	No
Photocopier Machine	2011-12	43,559.78	Repairable	Yes
UPS	2011-12	18,300.00	Repairable	Yes
Disc plough 2 Furrow	2015-16	18900	Good	No
Cultivator 9 tine	2015-16	14210	Good	No
Digital Camera	2015-16	29990	Good	No
Pumping set	2015-16	31500	Good	No
Computer	2016-17	124571	Good	No

Laptop	2016-17	37666	Good	No
Voltas AC + Stabilizer	2016-17	41333.29	Good	No
Sony Projector	2016-17	54095.18	Good	No
Computer	2016-17	66571	Good	No
48” LED Monitor	2016-17	67000	Good	No
Audio System	2016-17	34795	Good	No
Laser Printer	2016-17	11615.72	Good	No
Periodical Display Rack	2016-17	17729	Good	No
25 KVA Genset	2016-17	425000	Good	No
AC (Samsung)	2016-17	43000	Good	No

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

Sl.No.	Date
1. Scientific Advisory Committee	14 July 2021

2. DETAILS OF DISTRICT

MAP OF DISTRICT

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

S. No	Farming system/enterprise
1	Agriculture
2	Agriculture + Horticulture
3	Agriculture + Livestock
4	Agriculture + Fisheries
5	Agriculture + Fisheries+ Agro Forestry
6	Agriculture + Fisheries + Horticulture
7	Livestock
8	Agriculture + Livestock + Horticulture
9	Agriculture + Fisheries + Livestock

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	Zone IV	Sandy, Loam, Calcareous Clay, Deep alluvial

b) Topography

S. No.	Agro ecological situation	Characteristics
1	North Eastern Plain Zone	Sandy to Loam, Calcareous Clay, Deep alluvial

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Sandy		
2	Sandy Loam		
3	Alluvial		

2.4. Area, Production and Productivity of major crops cultivated in the district (2014-15)

S. No	Crop	2012-2013			2013-2014		
		Area (ha)	Production (m.t)	Productivity (Qtl /ha)	Area (ha)	Production (m.t)	Productivity (Qtl /ha)
1.	Rice	132142	295337	22.35	135616	333.480	20.59
2.	Wheat	155756	483934	31.07	155842	539113	34.59
3.	Barley	435	1197	27.52	439	1210	27.56
4.	Sorghum	28	41	15.19	213	0.440	20.66
5.	Pearl Millet	5	104	20.8	63	0.081	12.86
6.	Maize	5413	1225	22.63	5111	10.754	21.04
7	Maize (Rabi)	0794	2.486	2.486	875	2902	33.17
Total Cereal		**294573**	**781840.5**	**142.046**	**298159**	**543569.8**	**170.47**
7.	Lentil	299	226	7.56	364	290	7.97
8.	Gram	98	93	9.45	100	96	9.60
9.	Pea	1565	1626	10.39	1630	700	2.43
10.	Pigeon pea	-	-	-	4824	-	-
Total Legumes		**1962**	**1945**	**27.4**	**6918**	**1086**	**20.00**
11.	Mustard	1865	1239	6.64	1802	1272	7.06
12.	Ground Nut	2811	2811	13.99	1917	2.916	15.21
13.	Sesamum	17	17	1.83	88	0.013	1.48
14.	Rapeseed	-	-	-	633	6448	9.72
Total Oilseed		**4693**	**4067**	**22.46**	**4440**	**7722.929**	**33.47**
15.	Potato	1,688	269692	159.77	-	-	-
16.	Sugarcane	11,072	6152046	555.64	-	-	-
17.	Turmeric	10	174	17.38	-	-	-

*** Source DDA office Deoria U.P.**

2.5. Weather data (2015-16)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
Total					

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

Category	Population	Production (q)	Productivity
Cattle		73.816 MTS	NA
Crossbreed	55372		
Indigenous	275064		
Jurssey	367		
Cross breed	43200		
Buffalo	411470	115.078 MTS	
Sheep			
Indigenous	7678		
Crossbreed	2809		
Goats	504958	21.351 MTS	
Pigs			
Crossbred	3676		

	Indigenous	28221		
	Rabbits	387		
	Poultry	188161		
	Hens	243239		
	Desi	78209		
	Improved	76493		
	Ducks			
	Desi	847		
	Improved	1186		
	Fish			

***Statical 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	Bhatpar Rani	Bhatpar Rani	Karaunda, BankataSambhu , Kodra, TatayarBujurg	Pulses, Cereals, oilseed Vegetable Sugar Cane,	Low yield of crops due to existing cultivars and traditional method of cultivation	Enhancing production and productivity through improved var. & tech.
2	Bhatpar Rani	Bankata	Bharsar, AhirauliBaghel, bahorwa			
3	Salempur	Salempur	Malhna, Rampur Bujurg, ParsiaBsnshi, Majhauliraj	Pulses, Cereals, oilseed Vegetable		
4	Salempur	Bhatni	Danur, Batrauli, Uska, makunahi			
4	Salempur	Lar	Kundauli, Ramnagar, PadriGajraj			
5	Barahaj	Barahaj	Laxmipur, Labkani. Paina, PakadiTiwari	Pulses, Cereals, oilseed Vegetable		
6	Barahaj	Bhagalpur	Mauna Garhwa, , Deobari, Nariawn, Bhagalpur			
7	Pathrdeva	Pathrdeva	Semari, Malwabar, Malghot, Semri	Sugar Cane, Pulses, oilseed, Vegetables,		
8	Deoria	DeoriaSadar	Batrauli, Babhani, Ravtpar, Belwania	Cereal, Pulses, Vegetables,		
9	Deoria	Gauri Bazar	Labkani, Lerha, Indupur,	Cereal, Sugar Cane, Pulses, Oilseed, Vegetables,		
10	Deoria	Tarkulwa	Haraiya	Rice, Wheat, Sugarcane		
11	Rudrapur	Rudrapur	Kanauhli,	Rice, Wheat, Vegetable		

2.8 Priority thrust areas

Crop/Enterprise	Thrust area
Wheat& Rice	Resource conservation technology, Integrated Pest Management, Integrated Nutrient management, Introduction of HYV, Integrated Weed Management, Drudgery reduction of farm women,
Sugarcane	Integrated Pest Management, Integrated Crop Management, Integrated Nutrient Management, Integrated Weed Management
Maize	Integrated Pest Management, Resource conservation technology, Integrated Nutrient management, Introduction of HYV, Integrated Weed Management
Pulses	Integrated Pest Management, Integrated Crop Management, Integrated Nutrient Management, Integrated Weed Management
Oil seed	Integrated Pest Management, Integrated Crop Management, Integrated Nutrient Management, Integrated Weed Management
Vegetables	Integrated Disease Management, Integrated Pest Management, Integrated Nutrient Management, Introduction of HYV, Short Duration Var., Mulching Technology, Nursery raising and Management
Mango	Integrated Pest Management, Integrated Nutrient Management, Mulching Technology

Ornamentals	Cultivation of seasonal flower crops, Introduction of HYV
Entrepreneurship development	Beekeeping, Mushroom Production Technology, Vermi culture, Goatry, Poultry, Fisheries, Dairy, Stitching & Tailoring. Soft toys making, Fruit and Vegetable Preservation, Painting, Nursery management in Poly house and Net house.

3. TECHNICAL PROGRAMME

A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)/ No.	Number of Farmers
5	20	46	250

Training			Extension Activities	
(3)			(4)	
	Number of Courses	Number of Participants	Number of activities	Number of participants
PF	68	1674	1383	4432
RY	7	155		
EF	7	175		
Total	**82**	**2004**		

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	--	50	700

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	Resource Conservation technology	Paddy	High cast of cultivation	Performance of paddy transplanted in transplanted rice	Zero till sowing Paddy, Wheat & Mustard				
2	Resource Conservation technology	Wheat	High cast of cultivation	Residue Management in wheat sown by Happy/Super seeder					
3	Crop Production	Wheat	HYV	To evaluate new variety of wheat	Evaluation of HYV of Wheat, Mustard, Maize				

4	Crop Production	Onion	HYV	To evaluate new variety of Onion	Evaluation of HYV of Vegetables				
5	Crop Production	Mustard	HYV	To evaluate new variety of Mustard					
6	Crop Production	Banana	Planting Method	High density planting of Banana					
7	Crop Production	Inter cropping	Low income from sugarcane as mono crop	Intercropping of vegetable in spring sown sugarcane with trench/ring method	Intercropping of Lentil+Sugarcane, Vegetable+Sugarcane				
8	Organic Farming	Indian Natural Farming	Use of chemical fertilizer and pesticide harming the soil and human health	Performance of Indian Natural Farming at Farmer Field					
9	Organic Farming	Indian Natural Farming	Use of chemical fertilizer and pesticide harming the soil and human health	Performance of organic cultivation of vegetable in consequent					

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										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										

Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL										

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										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL										

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Vermi-culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and								

Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								

B. Details of On Farm Trial (Based on soil test analysis)

OFT 1

Particulars	**Contents**
Title	Performance of nano urea in Paddy
Problem diagnosed	Use of urea as nitrogenous in paddy
Micro farming situation	Irrigated Clay loam soil
Details of technology identified for solution	T_0Use of urea as nitrogenous in paddy T_1Use of nano urea in Paddy
No. of farmers	5
Replications	3
Critical inputs	Nano urea + seed
Production system	Rice- Wheat
Source of technology	IFFCO
Total Cost	2500
Observation to be recorded	Plant height (cm), No. of tillers/plant, No. of filled grains /ear, , Yield per ha. Total yield, B:C ratio
Reaction of the farmers	

OFT-2

Crop/Enterprise	**Mustard**
Title of on farm trial	Evaluation of new variety of Mustard to replace the Local variety inDeoriaunder irrigation condition
Problem diagnosed	Farmers grow old var. of mustard Var. Pusa Mustard 26
Farming situation	Irrigated
Production System and thematic area	Varietal evaluation and Seed replacement
Farmers Practice	Pusa Mustard 26
Details of technology selected for assessment /refinement	Radhika (DRMR 2017-15)
Source of technology	DRMR, Bharatpur
No. of farmers	5
Replications	5
Critical inputs	Seeds
Performance indicators	
(i) Technical	▪ No of Branches/plant, Plant height (cm), no of seed per siliqua ▪ Yield (qt/ha)
(II) Economic	▪ Additional return over operational cost (Rs./ha) ▪ Cost of intervention
(iii) Social	▪ Acceptability of varieties

OFT-3

Crop/Enterprise	**Onion**
Title	Variety evaluation
Problem diagnosed	Low Yield of Onion due to local variety
Micro farming situation	Irrigated
Details of technology identified for solution	T_1= Local variety (Gauron) T_2= NHRDF Line 120 (90 Days)
No. of farmers	5
Replications	5
Critical inputs	Seed, Sulphur
Production system	Rice – Wheat – Vegetables
Source of technology	NHRDF
Total Cost	Rs. 10000.00
Observation to be recorded	1. Yield (q/ha) 2. Bulb Size 3. B:C ratio 4. Bulb weight

OFT-4

Particulars	Contents
Title	High density planting of banana
Problem diagnosed	Low income due to low plant population
Micro farming situation	Irrigated, sandy loam soil
Details of technology identified for solution	**T_0** General planting distance 1.8 X 1.8 m (3086 p / ha.) **T_1** Planting distance 1.5 X 1.5 X 2.0 m (3750 p/ ha.)
No. of farmers	5
Replications	3
Critical inputs	Tissue culture plant
Production system	Fruit Production
Source of technology	NRC Banana ,Trichinapalli
Total Cost	15000
Observation to be recorded	No of plant/plot, No. of Hatha /bunch, No of finger/ Bunch Total yield, C:B ratio

OFT-5

Particulars	Contents
Title	Intercropping of vegetables in spring sown sugarcane
Problem diagnosed	Low income from sugarcane as mono crop
Micro farming situation	Irrigated clay loam
Details of technology identified for solution	T_0 Sugarcane T_1 Intercropping of chilli
No. of farmers	5
Replications	2
Critical inputs	Chilli Seedling
Production system	Rice-toria-Sugarcane
Source of technology	IISR, Lucknow
Total Cost	3000
Observation to be recorded	Yield ofchilli, yield of sugarcane, BC 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.	No. of farmers/ demon.	Parameters identified
1	Paddy	Improved Variety	Resource Conservation	Direct seeded of rice	Seed	Kharif 2023	10.0	25 (5 SC/ST+ 20 Other)	Plant Height, No. of tillers/m2, no. of weeds/m2, Yield, C:B ratio
2	Wheat	HD 2967	Resource Conservation	Zero Tillage	Seed	Rabi 2023-24	10.0	25 (5 SC/ST+20 Other)	Plant height, No. of tillers/m2, no. of irrigation, no. of weeds /m2, Yield, CB ratio
3	Green gram	Improved Variety	Crop production	IPM 2-3	Seed	Zaid,2023	5.0	25 (5 SC/ST+20 Other)	Plant height, no. of branches/ plant, grain yield(q/ha.), and CB ratio
4	Mustard	Improved Variety	Crop production	Improved varieties	Seed	Rabi 2023-24	10.0	25 (5 SC/ST + 20 Other)	Plant height, no. of

				+ spray of sulphur 80 WP at flowering time					branches/ plant, grain yield(q/ha.), and CB ratio
5	Okra	KashiChaman	Varietal evaluation	Vegetable based cropping system	seed	Zaid 2023	2.0	25 (5 SC/ST + 20 Other)	Plant height, No. of fruit/plant, Yield & CB ratio
	Sponge gourd	KashiSupriya	Varietal evaluation	Vegetable based cropping system	Seed	Kharif 2023	1.0	25 (5 SC/ST + 20 Other)	Plant hieght, No. fruit/plant, fruit size, Yield q./ha. & CB ratio.
	Pea	KashiUdai /KashiMukti	Varietal evaluation	Vegetable based cropping system	Seed	Rabi 2023-24	2.0	25 (5 SC/ST + 20 Other)	Plant height, no. of pods/plant, Yield, CB ratio
6	Cow Pea	KashiKanchan	Varietal evaluation	Vegetable based cropping system	seed	Zaid 2023	2.0	25 (5 SC/ST + 20 Other)	Plant height, No. of pods/plant, Yield & CB ratio
	Kharif onion	AFLR	Varietal evaluation	Vegetable based cropping system	Seed	Kharif 2023	2.0	25 (5 SC/ST + 20 Other)	plant height, Curd size, yield, days to harvest, CB ratio.
	Tomato	KashiAbhiman	Varietal evaluation	Vegetable based cropping system	Seed	Rabi 2023-24	2.0	25 (5 SC/ST + 20 Other)	Plant height, No. of fruit/plant, Yield & CB ratio
					Total		**46**	**250**	

Home Science/ Horticulture

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.	Oyster/Milky Mushroom	Mushroom cultivation	Production of oyster/Milky mushroom on farm waste, wheat straw	Mushroom spawn, bag and others	2023-2024	-	20	Yield, C:B ratio
2.	Kitchen Garden	To overcome the malnutrition	Year round vegetable production	Seeds of Vegetables	2023	0.4	20	Weight of Vegetable production

Sponsored Demonstration

Sl. No.	Crop	Area (ha)	No. of farmers
1			

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	4		100
2	Farmers Training	5		125
3	Media coverage	7		
4	Training for extension functionaries	1		25

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

Enterprises	Breed/ Variety	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):
A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	15	5	20	3	2	5	25
Resource Conservation Technologies	2	30	10	40	6	4	10	50
Cropping Systems								
Crop Diversification	1	15	2	17	5	5	10	27
Nursery management	1	15	5	20	3	2	5	25
Integrated Crop Management	3	45	13	6	17	75	3	45
Total	**8**	**120**	**35**	**155**	**28**	**19**	**47**	**202**
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	30	10	40	6	4	10	50
Off-season vegetables	1	15	5	20	3	2	5	25
Nursery raising	2	30	10	40	6	4	10	50
Exotic vegetables like Broccoli	1	15	5	20	3	2	5	25
Protective cultivation (Green Houses, Shade Net etc.)	1	15	5	20	3	2	5	25
b) Fruits	1	15	5	20	3	2	5	25
Layout and Management of Orchards	1	15	5	20	3	2	5	25
Cultivation of Fruit	1	15	5	20	3	2	5	25
c) Ornamental Plants								
d) Plantation crops								
Production and Management technology	1	15	5	20	3	2	5	25
f) Spices								
g) Medicinal and Aromatic Plants								
Total	**11**	**165**	**55**	**220**	**33**	**22**	**55**	**275**
III Soil Health and Fertility Management								
Soil fertility management	1	15	05	20	03	02	05	25
IV Livestock Production and Management								
Poultry Management	01	20	05	25	03	02	05	30
Feed management	01	15	05	20	03	02	05	25

Total	**2**	**35**	**10**	**45**		**4**	**10**	**55**
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	3	17	20	1	4	5	25
Gender mainstreaming through SHGs	1	-	20	20	-	5	5	25
Total	**2**	**3**	**37**	**40**	**1**	**9**	**10**	**50**
VI Agril. Engineering								
VII Plant Protection								
Integrated Pest Management	2	40		40	10		10	50
Total	**2**	**40**	**-**	**40**	**15**	**-**	**10**	**50**
VIII Fisheries								
IX Production of Inputs at site								
X Capacity Building and Group Dynamics								
Leadership development	1	15	2	17	5	1	6	23
Formation and Management of SHGs	1	15	3	18	5	2	7	25
Entrepreneurial development of farmers/youths	1	20	5	25	3	2	5	30
Total	**3**	**50**	**10**	**60**		**5**	**18**	**78**
XI Agro-forestry								
XII Others (Pl. Specify)								
TOTAL	**28**	**413**	**147**		**77**	**59**	**150**	**710**
(B) RURAL YOUTH								
Mushroom Production	2	20	10	30	5	5	10	40
Seed production	2	30	10	40	5	5	10	50
Protected cultivation of vegetable crops	1	20	0	20	5	0	20	0
Nursery Management of Horticulture crops	1	20	00	20	5	00	5	25
Any other (Group dgnamics and farmers organization)	1	20	-	20	5	-	5	25
TOTAL	**7**	**110**		**130**	**25**	**10**	**35**	**155**
(C) Extension Personnel								
Productivity enhancement in field crops	2	30	10	40	6	4	10	50
Protected cultivation technology	1	15	5	20	3	2	5	25
Information networking among farmers	1	15	5	20	3	2	5	25
Household food security	1	15	5	20	3	2	5	25
Women and Child care	1	15	5	20	3	2	5	25
Seed production of vegetables	1	15	5	20	3	2	5	25
TOTAL	**7**	**105**	**35**	**140**		**14**	**35**	**175**
G. Total	**42**	**628**	**182**		**102**	**83**	**220**	**1040**

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	15	5	20	3	2	5	25
Resource Conservation Technologies	1	20	-	20	5	-	5	25
Cropping Systems	1	15	5	20	3	2	5	25
Crop Diversification	1	15	2	17	7	3	10	25
Nutrition management	3	52	5	57	12	3	15	72
Seed production	1	20	-	20	5	-	5	25
Nursery management	1	16	2	18	4	3	7	25
Integrated Crop Management	4	65	15	80	15	5	20	100
Total	**12**	**193**	**37**	**230**	**45**	**17**	**62**	**292**
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	7	120	15	135	31	8	39	174
Off-season vegetables	1	14	5	19	3	3	6	25
Nursery raising	2	25	11	36	6	3	9	45
Grading and standardization	1	20	-	20	5	-	5	25

Protective cultivation (Green Houses, Shade Net etc.)	1	15	6	21	3	1	4	25
b) Fruits								
Layout and Management of Orchards	1	20	-	20	5	-	5	25
c) Ornamental Plants								
Management of potted plants	1	15	6	21	3	1	4	25
IV Livestock Production and Management								
Feed management	2	25	16	41	8	1	9	50
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	10	20	30	2	3	5	25
Value addition	1	5	10	15	2	3	5	20
VI Agril. Engineering								
VII Plant Protection								
Bio-control of pests and diseases	1	20	-	20	5	-	5	25
Production of bio control agents and bio pesticides	1	20	-	20	6	-	6	26
VIII Fisheries								
IX Production of Inputs at site								
X Capacity Building and Group Dynamics								
Leadership development	1	15	2	17	7	3	10	25
Formation and Management of SHGs(HS)	5	80	8	88	31	9	40	122
Entrepreneurial development of farmers/youths (Agro.)	1	15	2	17	7	3	10	25
TOTAL								

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	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	30	10	40	6	4	10	50
Resource Conservation Technologies	3	50	10	60	11	4	15	75
Cropping Systems	1	15	5	20	3	2	5	25
Crop Diversification	2	30	4	34	12	8	20	52
Seed production	1	20	-	20	5	-	5	25
Nursery management	5	83	12	95	19	8	27	122
Integrated Crop Management	7	110	28	86	32	80	23	145
Total	**21**	**338**	**69**	**355**	**88**	**106**	**105**	**494**
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	9	150	25	175	37	12	49	224
Off-season vegetables	2	29	10	39	6	5	11	50
Nursery raising	4	55	21	76	12	7	19	95
Exotic vegetables like Broccoli	1	15	5	20	3	2	5	25
Grading and standardization	1	20	-	20	5	-	5	25
Protective cultivation (Green Houses, Shade Net etc.)	2	30	11	41	6	3	9	50
b) Fruits								
Training and Pruning	1	15	6	21	3	1	4	25
Layout and Management of Orchards	1	15	5	20	3	2	5	25
Cultivation of Fruit	1	15	5	20	3	2	5	25
c) Ornamental Plants								
Management of potted plants	1	15	6	21	3	1	4	25
d) Plantation crops								

e) Tuber crops								
Production and Management technology	1	15	5	20	3	2	5	25
Total	**24**	**374**	**99**	**473**	**84**	**37**	**121**	**594**
III Soil Health and Fertility Management								
Soil fertility management	1	15	05	20	03	02	05	25
Total	**1**	**15**	**5**	**20**	**3**	**2**	**5**	**25**
IV Livestock Production and Management								
Poultry Management	01	20	05	25	03	02	05	30
Feed management	3	40	21	61	11	3	14	75
Total	**4**	**60**	**26**	**86**	**14**	**5**	**19**	**105**
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	13	37	50	3	7	10	60
Gender mainstreaming through SHGs	1	-	20	20	-	5	5	25
Value addition	1	5	10	15	2	3	5	20
Total	**4**	**18**	**67**	**85**	**5**	**15**	**20**	**105**
VI Agril. Engineering								
VII Plant Protection								
Integrated Pest Management	2	40		40	10		10	50
Bio-control of pests and diseases	1	20	-	20	5	-	5	25
Production of bio control agents and bio pesticides	1	20	-	20	6	-	6	26
Total	**4**	**80**		**80**	**21**		**21**	**101**
VIII Fisheries								
IX Production of Inputs at site								
X Capacity Building and Group Dynamics								
Leadership development	2	30	4	34	12	4	16	48
Formation and Management of SHGs	6	95	11	106	36	11	47	147
Entrepreneurial development of farmers/youths	2	35	5	40	10	5	15	55
Total	**10**	**160**	**20**	**180**	**58**	**20**	**78**	**250**
XI Agro-forestry								
XII Others (Pl. Specify)								
TOTAL	**68**	**1045**	**286**	**1279**	**273**	**185**	**369**	**1674**
(B) RURAL YOUTH								
Mushroom Production	2	20	10	30	5	5	10	40
Integrated farming	2	30	10	40	5	5	10	50
Protected cultivation of vegetable crops	1	20	0	20	5	0	20	0
Nursery Management of Horticulture crops	1	20	00	20	5	00	5	25
Any other (Group dgnamics and farmers organization)	1	20	-	20	5	-	5	25
TOTAL	**7**	**110**		**130**	**25**	**10**	**35**	**155**
(C) Extension Personnel								
Productivity enhancement in field crops	2	30	10	40	6	4	10	50
Protected cultivation technology	1	15	5	20	3	2	5	25
Information networking among farmers	1	15	5	20	3	2	5	25
Household food security	1	15	5	20	3	2	5	25
Women and Child care	1	15	5	20	3	2	5	25
Seed production of vegetables	1	15	5	20	3	2	5	25
TOTAL	**7**	**105**	**35**	**140**		**14**	**35**	**175**
G. Total	**82**	**1260**	**321**	**1549**	**298**	**209**	**439**	**2004**

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	145	50	195	15	2	17	160	52	212
KisanMela	2	1000	150	1150	25	5	30	1025	155	1180
KisanGhosthi	5	125	50	175	10	2	12	135	52	187
Exhibition	5	0	0	0	0	0	0	0	0	0
Method Demonstrations	10	150	25	175	15	5	20	165	30	195
Lectures delivered as resource persons	28	0	0	0	0	0	0	0	0	0
Newspaper coverage	35	0	0	0	0	0	0	0	0	0
Extension Literature	4	0	0	0	0	0	0	0	0	0
Advisory Services	100	150	50	200	10	3	13	160	53	213
Scientific visit to farmers field	150	345	25	370	0	0	0	345	25	370
Farmers visit to KVK	1000	615	385	1000	0	0	0	615	385	1000
Diagnostic visits	25	115	25	135	0	0	0	115	25	140
Exposure visits	2	100	35	135	0	0	0	100	35	135
Ex-trainees Sammelan	1	85	0	85	10	5	15	95	5	100
Soil health Camp	1	85	0	85	10	5	15	95	5	100
Celebration of important days (specify)	3	134	35	169	11	3	14	145	38	183
World Food Day	1	85	0	85	10	5	15	95	5	100
Women in Agriculture Day	1	0	85	85	1	3	4	1	88	89
World Environment Day	1	0	85	85	1	3	4	1	88	89
KisanDiwas	1	42	20	62	3	1	4	45	21	66
KVK Foundation Day	1	52	18	60	2	1	3	54	19	73
Total	**1382**	**3228**	**1038**	**4251**	**123**	**43**	**166**	**3351**	**1081**	**4432**

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (q.)
	Cereals		
1	Wheat	DBW 252/DBW-187	30.00
2	Paddy	KALA NAMAK/ PusaShabha 1850	25.00
3	**Pulses**		
	Lentil	IPL-316	0.5
4	**OILSEEDS**		
	Mustard	GIRIRAJ/RH 749	02.00
5	**VEGETABLES**		
	Cow Pea	KashiKanchan	0.10
	Okra	KashiChaman	00.25
	Totamo	KashiAman	00.01
	Chilli	KashiAnmol	00.01
	Bottle Gourd	Kashi Ganga	00.05
	Sponge gourd/ Satputia	KashiDivya/KashiKhushi	00.05
	Pumpkin	KashiHarit	00.05
Total			**111.32**

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS			
1.	Papaya	Pusa Dwarf/PusaNanha/Taiwan	200
2.	Mango	Dashari/lagada/Gaurjeet	100
3.	Guava	Allahabad safeda/L-49	100
	Litchi	Shahi	200
	Karaunda		100
	Lemon	Kagji	100
	Pomegranate	Bhagwa	50
VEGETABLES			
1.	Tomato	KashiAman	20,000
2.	Brinjal	BR-14/K,Sandesh	20,000
3.	Chilli	KashiAnmol	20,000
4	Onion	AFLR	100000
5	Cauliflower /cabbage /broccoli/ Shimla Mirch	Hybrid	5000
6.	Morringa	PKM-1	200
FOREST SPECIES			
ORNAMENTAL CROPS			
1.	Marigold	PusaNarangi / Basanti	2000
	Ornamental	Crotan/ Annual/ cuttings	100
Total			**163950**

BIO-PRODUCTS

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PRODUCTS				
1	Vermi Compost	-		2000
2	Azzola	-		100
3	Verms			50
4	Mushromm			50

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 :

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	2
2	Technical reports	6	-
3	News letters	1	-
4	Training manual all discipline	1	-
5	Popular article	5	-
6	Extension literature	3	-
	Total		**-**

(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) Seed Production
b) Drudgery reduction
c) Integrated Farming System
d) IPMINM

Rural Youth

a) Nursery management
b) Beekeeping
c)Mushroom production
d) Vermi compost

In-service personnel

a) Seed production of cereals/ pulses/ vegetable crops
b) Balance use of fertilizer on the basis of soil testing
c) Organic farming

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT:

i) PRA/ Bench Marks Survey
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: No

1. Year of establishment : NA

2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Soil Testing Kit	2	72,000, 96000

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	50	50	7	
Water				
Plant				
Total				

4. LINKAGES

4.1 Functional linkage with different organizations

Name of organization	Nature of linkage
State Agriculture Department	Joint implementation of on-farm trials, FLDs, Training Joint Diagnostic survey for initial establishment of farmers linkages
State Horticulture Department	Joint implementation of on-farm trials, FLDs, Joint Diagnostic survey for initial establishment of farmers linkages and Training programmes
ICAR-IIVR, Varanasi	Transfer of technology through FLD onVegetables.
ANDUA&T, Faizabad	Seeds of imp. Varieties (Wheat & Rice) and Technologies
BHU, Varanasi	Seeds of imp. Varieties of wheat. Rice and Technologies
ICAR-IIPR, Kanpur	Transfer of technology through FLD of pulses and Technologies
C.S.A.U &T., Kanpur	Seeds of imp. Varieties of oilseeds and cereals and Technologies
ICAR- IARI,	Transfer of technology through NEP
DWR, Karnal	Transfer of technology through FLD of Wheat
CIMMYT, New Delhi	Resource conservation technology demonstration and Technologies
CIAE, Bhopal	Agricultural equipments/implement and Technologies s
ATMA, Deoria	Demonstration, training, field visit
ICAR- CPRI Station, Modipuram, Meerut & CPRS (ICAR), Patna	For potato technology
GS Sugarcane Breeding & Research Station, Seorahi, Kushinagar	For sugarcane technology
Doordarshan and ETV Uttar Pradesh	For coverage and live telecast of KVK activities
ICAR- IGFRI, Jhansi	For fodder technology Procurement of seed and technical information
NFL, Lucknow	Training, demonstration
NFL, Gorkhapur	Training, demonstration and soil sample
IFFCO, Lucknow	Training, demonstration
DSR, Kushmaur, Mau	Seeds of improved varieties
ARS, Durgapura, Rajsthan	Seeds of improved varieties
KVIC, Gorakhpur	Beekeeping

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

S. No.	Programme	Nature of linkage
1	Training programme	-
2	AES (Agro-Ecological situation)	-
3	Front line Demonstration (FLD)	-
4	Cluster demonstrations	-

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	Residential Training	0
	Total	**0**

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	**Evaluation Of Kalanamak Varieties**	**UPCAR**	**3 Years**	**3.5**
2	**Kisan Biotech**	**DBT**	**3 Years**	**4.5**

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 (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		
	ii. Rabi season		
	iii. Summer season		
4	**CSISA Project**		
5	**NICRA Project**		
6	**Soil Health Card**		
7	**Other (please specify)**		
	Total		

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	T	M	F	T	
Crop Production										
Jan 2023	PF	Package and practices of greengram	1	15	5	20	3	2	5	25
June 2023	PF	Package and practices of pigeonpea	1	15	5	20	3	2	5	25
June 2023	PF	Packages and practices of direct seeded rice	1	15	5	20	3	2	5	25
July 2023	PF	Nursery management of paddy	1	15	5	20	3	2	5	25
July 2023	PF	Package and Practices of Til	1	15	3	18	5	2	7	25
Oct. 2023	PF	Crop Diversification through pulses	1	15	2	17	5	5	10	27
Nov.2023	PF	Role and Importance of Zero tillage in crop production and soil health	1	15	5	20	3	2	5	25
Dec.2023	PF	Effective control measure of weeds in wheat	1	15	5	20	3	2	5	25
			8	**120**	**35**	**155**	**28**	**19**	**47**	**202**
Horticulture										
Jan 2023	PF	Production technology of Zaid season vegetable crops	1	15	5	20	3	2	5	25
Feb. 2023	PF	Production technology of onion	1	15	5	20	3	2	5	25
March 2023		Production technology of summer vegetables	1	15	5	20	3	2	5	25
May 2023	PF	Growing turmeric/ginger/yam in Established orchards	1	15	5	20	3	2	5	25
June 2023	PF	Establishment of new orchards	1	15	5	20	3	2	5	25
July. 2023	PF	Nursery Raising of vegetable crops	1	15	5	20	3	2	5	25
Sep. 2023	PF	Improved cultivation of banana production	1	15	5	20	3	2	5	25
Oct. 2023	PF	Improved cultivation of exotic vegetables	1	15	5	20	3	2	5	25
Nov. 2023	PF	Off season cultivation vegetable crops	1	15	5	20	3	2	5	25
Nov 2023	PF	Nursery raising of Onion	1	15	5	20	3	2	5	25
Dec. 2023	PF	Nursery raising of cucurbitaceous vegetables in protective condition	1	15	5	20	3	2	5	25
		Total	**11**	**165**	**55**	**220**	**33**	**22**	**55**	**275**
Livestock prod.										
May 2023	PF	Scientific dairy farming management	01	20	05	25	03	02	05	30
July 2023	PF	Feed and fodder management in livestock	01	15	05	20	03	02	05	25
		Total	**2**	**35**	**10**	**45**		**4**	**10**	**55**
Home Sc.										
June 2023	PF	Organic farming	1	-	20	20	-	5	5	25
Nov 2023	PF	Importance and establishment of nutritional garden	1	3	17	20	1	4	5	25
		Total	**2**	**3**	**37**	**40**	**1**	**9**	**10**	**50**
Plant protection.										
July 2023	PF	Pest management in rice	1	20	-	20	5	-	5	25
Aug 2023	PF	Pest management in Brinjal	1	20	-	20	5	-	5	25
		Total	**2**	**40**	**-**	**40**	**15**	**-**	**10**	**50**
Soil Health										
July 2023	PF	Improving soil health through organic cultivation	1	15	05	20	03	02	05	25
		Total	**1**	**15**	**05**	**20**	**03**	**02**	**05**	**25**
Agril. Extn.										
June 2023	PF	Awareness about different scheme launched by central Govt.	1	15	3	18	5	2	7	25
Feb 2023	PF	Development of rural leadership	1	15	2	17	5	1	6	23
May 2023	PF	Maintenance of farm mechanization	1	20	5	25	3	2	5	30
		Total	**3**	**50**	**10**	**60**		**5**	**18**	**78**

i) Farmers & Farm women (Off Campus)

Month	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	G. Total
Crop Production										
Feb. 2023	PF	Package and practices of Green gram	1	20	-	20	5	-	5	25
May 2023	PF	DSR in paddy	1	20	-	20	5	-	5	25
May 2023	PF	Awareness about of Organic fertilizers	1	17	-	17	4	1	5	25
June 2023	PF	Package and practices of in pigeon pea	1	15	5	20	4	1	5	25
June 2023	PF	Nursery Management of Paddy	1	16	2	18	4	3	7	25
June 2023	PF	Nutrient management through organic inputs in direct seeded rice	1	15	5	20	3	2	5	25
July 2023	PF	Importance of intercropping in Kharif	1	15	5	20	3	2	5	25
July 2023	PF	Integrated Weed management in Paddy	1	15	5	20	3	2	5	25
Oct. 2023	PF	Package and practices of chickpea	1	15	5	20	3	2	5	25
Oct. 2023	PF	Package and practices of autumn sugarcane	1	15	5	20	3	2	5	25
Oct. 2023	PF	Package and practices of Mustard	1	10	5	15	3	2	5	20
Nov. 2023	PF	Importance of balance use of fertilizers in wheat	1	20	-	20	5	-	5	25
		Total	**12**	**193**	**37**	**230**	**45**	**17**	**62**	**295**
Horticulture										
Feb. 2023	PF	Package and practices of okra and cowpea	1	15	5	20	5	5	10	30
March 2023	PF	Inter cropping of cucumber with spring sown Sugarcane	1	20	-	20	5	-	5	25
June 2023	PF	Package and practices of Brinjal, tomato and chilli	1	20	2	22	5	-	5	27
June 2023	PF	Improved cultivation Kharif onion	1	15	-	15	5	-	5	20
June2023	PF	Production technology of Banana	1	15	6	21	3	1	4	25
June 2023		Advance technologies in Nursery raising of vegetables	1	15	6	21	3	1	4	25
July 2023	PF	Vegetable cultivation through Indian natural farming	1	15	6	21	3	1	4	25
Aug 2023	PF	Management of established orchard	1	20	-	20	5	-	5	25
Sept 2023		Production technology of marigold	1	15	6	21	3	1	4	25
Sep. 2023	PF	Vegetable nursery raising	1	10	5	15	3	2	5	20
Oct 2023	PF	Improved cultivation of winter season vegetables	1	20	-	20	5	-	5	25
Oct 2023	PF	Improved cultivation of Potato	1	15	-	15	5	-	5	20
Nov 2023	PF	Improved cultivation of Onion	1	20	2	22	3	2	5	27
Dec. 2023	PF	Off session nursery raising of cucurbits	1	14	5	19	3	3	6	25
		Total	**14**	**229**	**43**	**272**		**16**	**72**	**344**
Live Stock Production.										
June 2023	PF	Scientific feed and Fodder management in livestock	01	10	10	20	05	00	05	25
July 2023	PF	Importance of green fodder in animals ration	01	15	6	21	3	1	4	25
		Total	**2**	**25**	**16**	**41**	**8**	**1**	**9**	**50**
Home Sc.										
Sept 2023	PF	Beekeeping	1	5	10	15	2	3	5	20
October	PF	Importance and establishment of kitchen garden	2	10	20	30	2	3	5	25
		Total	**2**	**15**	**30**	**45**	**4**	**6**	**10**	**45**
Plant Protection										

June 2023	PF	Eco-friendly Pest management of Pigeon Pea	1	20	-	20	6	-	6	26
Nov 2023	PF	Importance of Seed treatment in crops	1	20	-	20	5	-	5	25
		Total	**2**	**40**	**-**	**40**	**11**	**-**	**11**	**51**
Agril. Extn.										
March 2023	PF	Selection of Importance of HYV in Agriculture	1	15	2	17	7	3	10	25
April 2023	PF	Formation of Kisan Club &FPO	1	15	2	17	7	3	10	25
May 2023	PF	Agriculture marketing for vegetables growers	1	15	2	17	7	3	10	25
July 2023	PF	Farmers field school	1	17	2	19	5	-	5	24
July 2023		Operation and maintenances of agricultural equipments	1	15	2	17	7	3	10	25
Aug 2023	PF	Agriculture marketing for Pulses growers	1	18	-	18	5	-	5	23
Aug.2023	PF	Promotion of Integrated Farming System	1	15	2	17	7	3	10	25
Sept 2023	PF	Agriculture marketing for cereals crops	1	15	2	17	7	3	10	25
		Total	**8**	**125**	**14**	**139**	**52**	**18**	**70**	**197**

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	No. of Training	Duration (days)	No. of Participants			SC/ST participants			G.Total
						M	F	T	M	F	T	
Mushroom	Income generation	Production of mushroom for higher income	Sep. 2023	2	6	20	10	30	5	5	10	40
Bee keeping	Income generation	Income generation through beekeeping	Oct 2023	2	6	30	10	40	5	5	10	40
Farmer producer, organization	Group dynamics	Group dynamics and farmers organization	Jan. 2023	1	1	20	-	20	5	-	5	25
Horticulture	Nursery Management	Vegetative Propagation techniques of horticultural crops	July. 2023	1	30	20	00	20	5	00	5	25
Horticulture	Organic farming	Natural Farming of vegetables	Oct. 2023	1	7	20	0	20	5	0	5	25
			Total	**7**	**50**	**110**		**130**	**25**	**10**	**35**	**155**

iii) Training programme for extension functionaries

Month	Clientele	Title of the training programme	No. of Trng.	Duration in days	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
	On Campus										
Feb. 2023	EF	Natural FarmingFarming	1	1	15	5	20	3	2	5	25
Sept 2023	EF	Packages and practices of oilseeds and Pulses	1	3	15	5	20	3	2	5	25
July, 2023	EF	Seed production of vegetables	1	1	15	5	20	3	2	5	25
Sep.2023	EF	Role of fruit and vegetables inhuman nutrition	1	1	15	5	20	3	2	5	25
Oct, 2023	EF	Protected cultivation of vegetables	1	1	15	5	20	3	2	5	25
Nov/2023	EF	RCT Zero till seed drill sowing of wheat	1	1	15	5	20	3	2	5	25
Dec,2023	EF	Information Networking among farmer	1	1	15	5	20	3	2	5	25
				9	**105**	**35**	**140**		**14**	**35**	**175**

iv) Sponsoredprogramme

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 progdramme											
b) Sponsored research programme											
			Total								
c) Any special programmes											
			Total								

Proceedings of 12th Scientific Advisory Committee Meeting held on 14/07/21 at KVK, Deoria

Scientific Advisory Committee meeting was held on the 12th July 2021 at KVK, Deoria under the chairmanship of Dr. T. K. Behara, Director, ICAR-IIVR,Varanasi to review the work done by the KVK during the period of January 2020 to June 2019 and finalize the Action plan July 2021 to December 2022.
RajanishSrivatava, SMS (Horti.) & I/C KVK welcome the chairman and all the committee members. He presented the action taken report of the recommendation of 11th SAC meeting along with progress report and action plan of his discipline. Dr. R. P. Sahu, SMS Ag. Extension presented their progress report and future action plan.

After thorough discussions, the following suggestions were emerged:

1- Prepare a data base of farmer`s of the district and also analyze them on the basis of categories, gender, land holding and crop grown and also prepare 110 farmers of under DFI and timely send to ATARI, Kanpur.
2- Develop a nursery of vegetable, fruit &moringa plants and distributed to the farmwomen/ farmers for nutritional garden.
3- To organize the training program on different enterprises under Arya project. Make possible of mushroom production round the year through Oyster, Button & Milky varieties at farm of youth entrepreneurship.
4- Popularize the sugar cane based intercropping of cereals & vegetables for autumn and spring sown sugarcane. respectively.
5- Popularize cultivation of Kharif onion through sets with the collaboration of NHRDF, Deoria and also contact Dr. Mejar Singh, Director, ICAR-DOGR, Pune.
6- Demonstration unit of poultry should be making live with the bater/broiler production.
7- Demonstration unit of beekeeping should be making live that may to demonstrate to farmers.
8- Increase the multiplication of worm through vermi culture at vermi compost unit of KVK.
9- Develop a nutrition garden at KVK to demonstrate with farmer.

10- Adopt two villages all KVK activity in this village proper PRA should be some to diagnose the problem of the village.
11- Establish an Ideal nursery at KVK.
12- A proposal for strengthening of KVK including different work like fencing, threshing floor, implement shed & development of nursery and pond demo unit should be send to RKVY.
13- Training programme for rural youth and Extension functionaries should be organized in more no. and help may be taken other KVK SMS with the permission of Director.
14- For the ssed production of Potato Var. KufariArun may be replaced with KufariSinduri, Kufari, Garima&KufariKhyati for the seed procurement contect to CPRI, Region Station Patana.
15- The Activity related to Animal Husbandry organizes with association of CVO Deoria.
16- For the OFT & FLD a total package & practices done to related crops and farmers feedback also recorded to know the performance of the trail/demonstration.

The list of participants in SAC meeting is given as under.

1.	Dr. T. K. Behara, Director, ICAR-IIVR, Varanasi	Chairman
2.	Dr. Atar Singh, Director, ICAR-ATARI, Kanpur	Member
3.	Dr. K. K. Pandey, Principal Scientist, ICAR-IIVR, Varanasi	Member
4.	Dr. Neeraj Singh, PS & Nodal Officer KVKs, ICAR-IIVR, Varanasi	Member
5.	ShriSanchit Singh, District Development Manager, NABARD, Deoria	Member
6.	Dr. A. K. Mishra, DD (Ag.), Deoria	Member
7.	Dr. VikasSathe, CVO, Deoria	Member
8.	ShriPrabhash Kumar, Ag. Specialist CSISA, CIMMYT, Gorkhapur	Member
9.	ShriNandKishor Prasad, CEO, Fisheries, Deoria	Member
10.	Shri Rajeev Kumar Pandey, Assistant Programme Officer, Sugarcane, Deoria	Member
11.	Dr. Vinod Kumar Singh, Dy. Field Manger, IFFCO, Deoria	Member
12.	Dr. Nitish Singh, P.O NCUI, Deoria	Member
13.	ShriSharadSrivastava, IsharaFaudation, Deoria	Member
14.	Shri Vijay Pratap Singh, TA, Representative, Soil Conservation, Deoria	Member
15.	ShriSita Ram Yadav, DHO, Deoria	Member
16.	ShriSatyaPrakashKushwaha, Farmer, TatayarBujurg.	Member
17.	ShriGovindJiPandey, Farmer, Bahorva	Member
18.	Shri Rajesh Kumar Mishra, Farmer, Pyasi	Member
19.	ShriSudhakar Singh, Mahalaxmi Producer Company Limited, Deoria	Member
20.	ShriVedvyas Singh, PurvanchalPoultary Producer Compandy,	Member
21.	Smt. InduSrivastava, Farmer, Bhingari Bazar	Member
22.	Smt. KanchanlataBharati, SHGs, Bhatpar Rani, Deoria	Member
23.	ShriMrityunjay Prasad Visharad, DD News, Deoria	Member
24.	ShriGauri Shankar Jaiswal, Sudharshan News, Deoria	Member
25.	ShriRakesh Kumar, LDM (Central Bank of India), Deoria	Member
26.	ShriSharad Chand Rai, Driver, KVK, Deoria	Member
27.	Shri Ajay Tiwari, Farm Manager, KVK Deoria	Member
28.	Dr. R. P. Sahu, SMS, Agril. Extension, KVK, Deoria	Member
29.	Shri Bharat Singh, Driver ICAR-IIVR-KVK, Varanasi	Member
30.	Shri Rajneesh Srivastava, I/c KVK & SMS, Horticulture, KVK, Deoria	Member Secretary

(Rajneesh Srivastava)
Member Secretary SAC
KVK, Deoria (U.P.)

ANNUAL ACTION PLAN

KVK HARDOI-II

(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
	Office	Fax	
KrishiVigyanKendra,Barahi,Jaitpur, P.O.Dhhikunni Block Sandila, Hardoi-241203		-	kvkhardoi2@gmail.com

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

Address	Telephone		E-mail
	Office	FAX	
DrPrabodh Chandra Sharma Director ICAR-Central Soil Salinity Research Institute, Karnal, Regional Research Station, Lucknow, U.P.	0184-2290501	91-184-2290480	director.cssri@icar.gov.in

1.3. Name of the in charge with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	E-mail
Dr Sanjay Arora Principal Scientist , Regional Research Station, ICAR-Central Soil Salinity Research Institute, Karnal, Hariyana		7376277190	aroracssri@gmail.com

1.4. Year of sanction: 2019

1.5. Staff Position

Sl. No.	Designation	Name of the Incumbent	Discipline	Highest Degree	Pay Scale (Present Basic Pay + Grade Pay)	Date of Joining	Permanent / Temporary	Category
1.	Senior Scientist& Head	Vacant	-	-	-	-	-	-
2.	Subject Matter Specialist	. Anjali Sahu	Home Science	Ph.D.	11	23/10/2021	Permanent	OBC
3.	Subject Matter Specialist	Dr. TrilokNathRai	Soil Science/ Agronomy	Ph.D.	11	21/10/2021	Permanent	Gen.
4.	Subject Matter Specialist	Vacant						
5.	Subject Matter Specialist	Vacant						
6.	Subject Matter Specialist	Vacant						
7.	Subject Matter Specialist	Vacant						
8.	Programme Assistant (Farm Manager)	Vacant						
9.	Programme Assistant (Lab.)	Vacant						
10.	Accountant / Superintendent	Vacant						
11.	Driver	Vacant						
12.	Driver	Vacant						

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Building	
2	Under Demonstration Units(Fish pond)	
3	Under Crops	4.5
4	Orchards/ Agro – forestry	
5	Others	
	Total	18.0

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	-						Yet not constructed, camp office in thatch
2.	Farmers Hostel	-						
3.	Staff Quarters (6)	-						
4.	Demonstration Units (2)	-						
5	Fencing	-						
6	Rain Water harvesting system	-						
7	Threshing floor	-						
8	Farm go down	-						

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
2.	Agriculture + Horticulture
3.	Agriculture + Livestock
4.	Agriculture + Livestock + Horticulture
5.	Agriculture + Livestock + Poultry + Horticulture
6.	Livestock
7.	Agriculture + Fisheries
8.	Agriculture + Fisheries + Livestock

2.2 Map of District Hardoi

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

S. No	Agro ecological situation	Characteristics
1.	AES-I	
2.	AES-II	
3.	AES-III	
4	**Zone–V** **Central Mid Plain zone**	Major crop production zone of U.P. Cropping intensity-142% Climate-Moist, Sub-humid and dry sub humid

2.4 Soil types

S. No	Soil type	Characteristics	Area in ha
	Sandy Loam soil (light)	Light gray to light brownish gray	103492
	Loamy	Light gray to light greenish	199022
	Low Land and Clay loam(heavy)	Brownish gray to gray white	95530

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

S. No	Crop	Area (ha)	Production (Qt)	Productivity (Qt /ha)
1	Rice	100227	2262123	22.57
2	Wheat	343069	1062320	39.96
3	Maize	39179	55447	14.15
4	Jowar	6474	6896	10.65
5	Bajra	4371	4818	11.02
6	Barley	1812	2487	13.73
7	Urd	26755	14861	5.55
8	Mung	263	114	4.33
9	Ground nut	7300	**70010**	**9.59**
10	Arhar	1721	**11880**	6.9
11	Til	25934	**35270**	1.36
12	Sunflower	159	3650	22.96

13	Mustard	12749	118680	9.31
14	Sugarcane	52069	14420020	508.84
15	Potato	11153	3068080	275.09
16	Gram	749	6370	8.51
17	Pea	1053	13710	13.02
18	Lentil	10596	113800	10.74
19	Total Oilseed	46157	227690	4.93
20	Total Pulses	41137	295510	7.18
21	Total Cereals	566294	14258580	25.7
Horticulture				
1	Onion	528		
2	Vegetable	17049		
3	Mango	6599	17810	2.69
4	Guava	341	3571	10.47
5	Papaya	3	66	22
6	Garlic	115	461	0.61
7	Cucumber	450		

2.6 Priority/ Thrust Areas

S.N.	Crop/Enterprise	Thrust area
1.	Crop Production	Production technology for important Kharif, Rabi and Zaid crops
2.	RCT	Promotion of resource conservation technologies and Reclamation of sodic soil
3.	Entrepreneurship	Entrepreneurship development in rural youth
4.	Drudgery reduction	Drudgery reduction skill and entrepreneurship development in farm women
5.	Horticultural crops	Promotion of Planting of horticultural crop
6.	Horticultural crops	Quality seed/ planting material production
7.	Livestock	Livestock: Care and management.
8.	Organic inputs production	NADEP and Vermi -composting. ,Azolla
9.	Integrated Pest Management	Integrated Pest Management

2.7 Details of operational area/ villages for 2022

S.No	Taluk	Block	Village	Major crops & enterprises	Major problems identified	Thrust area
1	Sandila	Sandila	Meerakheda, Madarikheda,Sarwa,Barriya, Barahi,Purwaman, Kalyanpur,Haniya, Sukhaukheda,Surjikheda,Shivpuri	wheat, rice, Til,Groundnut,Urd,moong, Arhar,Mustard,Potato,Sugarcane, Vegetables, wheat, rice, Vegetables, Sugarcane, wheat, rice, Vegetables, banana, litchi	High level of sodicity of soil ,non availability of salt tolerant varieties, non availability of quality seed, imbalance use of nutrients traditional method of cultivation, Poor livestock, Poor condition	Dissemination of low cost reclamation technology,introduction of salt tolerant varieties of rice,wheat,mustard and gram,Promoting green manurin,Nutrient and water management,R
2	Sandila	Bharawan	Narohiya, ChawanSambhalkheda,Aira,Singhpur			
3	Beniganj	Kothawa	Umariya,Jangaanv			
4	Bilgram	Madhoganj	Babatmau			

					of orchard management in mango	esource Conservation & Proper management of Old orchards

3 .TECHNICAL PROGRAMME

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

OFT		FLD				
No. of OFTs	No. of Farmers	No. of FLD	Crops		Livestock& other enterprises	
			Area (ha)	No. of Farmers	No. of unit	No. of Farmers
11	65	24	126.5	960	190	190

Training		Extension Activities	
No. of Courses	No. of Participants	No. of activities	No. of participants
94	2019	381	2300
Seed Production (Qtl.)		Planting material (Nos.)	
76.0		500	

OFT- 1

Particulars	Contents
Title	**Salt tolerant variety of Rice with improved management practices in sodic soil**
Problem diagnosed	Poor Yield of crop due to cultivation of traditional variety
Farming situation	Irrigated (Soil ph- 9.2)
Production system and thematic area	Paddy – Wheat
Farmers' Practices	**T_0** Paddy
Details of technology identified for solution	**T_1**–Paddy variety CSR 46
No. of farmers	5
Critical inputs	Seed
Source of technology	ICAR-CSSRI,Karnal,Haryana
Total Cost	5000
Performance indicators:	
i.Technical	Initial and after harvest of crops analyses of soil.Yield/hectare,Effect on soil health,Plant height, No. of tillers, No. of effective tillers/$m^{2,}$
ii. Economical	B:C ratio
iii. Social	Farmers reaction

OFT 2

Particulars	Contents
Title	Introduction of green manure (sesbania) followed by salt tolerant variety of Rice
Problem diagnosed	Poor Yield of crop due to cultivation of traditional varieties and poor management practices
Micro farming situation	Irrigated sandy loam soil
Details of technology identified for solution	T_0-Traditional practice T_1.Sesbania-Paddy CSR 46
No. of farmers	5
Critical inputs	Seed
Production system	Rice- Wheat
Source of technology	. ICAR-CSSRI,Karnal,Hariyana
Total Cost	4000
Observation to be recorded-	.
i.Technical	Initial and after harvest of crops analyses of soil.Plant height, No. of tillers, No. of effective tillers/m^2 Yield per ha
ii. Economical	B:C ratio
Reaction of the farmers	Farmers reaction

OFT 3

Particulars	Contents
Title	Microbial formulations with salt tolerant variety of Paddy to alleviate salt stress
Problem diagnosed	Low yield due to salt stress and high cost of cultivation
Farming situation	Irrigated Sandyloamto clay loam
Production system and thematic area	Paddy-Wheat
Farmers' Practices	**T_0**- Traditional practice
Details of technology identified for solution	T_1.Salt tolerant variety of Rice +Bio formulations
No. of farmers	5
Critical inputs	Seed and Bio formulations
Source of technology	ICAR-CSSRI,Karnal,Hariyana
Total Cost	4000
Performance indicators:	
i.Technical	Initial and after harvest of crops analyses of soil.Plant height, No. of tillers, No. of effective tillers/m^2 Yield per ha
ii. Economical	B:C ratio

OFT- 4

Particulars	Contents
Title	Salt tolerant variety of Wheat with improved management practices in sodic soil
Problem diagnosed	Poor Yield of crop due to cultivation of traditional variety
Farming situation	Irrigated
Production system and thematic area	Paddy – Wheat
Farmers' Practices	T0 Wheat
Details of technology identified for solution	T1 –Wheat variety KRL 283
No. of farmers	5
Critical inputs	Seed
Source of technology	ICAR-CSSRI, Karnal, Haryana
Total Cost	5000
Performance indicators:	
i.Technical	Initial and after harvest of crops analyses of soil.Yield/hectare, Plant height, No. of tillers, No. of effective tillers/m2
ii. Economical	B:C ratio
iii. Social	Farmers reaction

OFT-5

Particulars	**Contents**
Title	In-situ paddy residue management for soil health and crop yield
Problem Diagnosed	Burning of crop residue for timely sowing of wheat
Farming Situation	Irrigated Sandy loam soil
Production System And Thematic Area	Resource Conservation Technology
Farmers' Practices	**T_0** Burning of crop residue for timely sowing of wheat
Details Of Technology Identified For Solution	**T_1-** Use of Halo CRD then sowing of Wheat by Happy seeder or super seeder
No. of Farmers	10
Critical Inputs	Seed & Halo CRD
Source Of Technology	ICAR-CSSRI,Karnal,Hariyana
Total cost	2000
Performance Indicators:	
I. Technical	Initial and after harvest of crops analyses of soil.Yield per hectare,
Ii. Economical	B:C ratio
Iii. Social	Farmers reaction

OFT- 6

Particulars	**Contents**
Title	**Microbial formulations with salt tolerant variety of Wheat to alleviate salt stress**
Problem diagnosed	Poor yield of crop due to cultivation of traditional varieties and poor management practices
Farming situation	Irrigated Sandyloamto clay loam
Production system and thematic area	Paddy-Wheat
Farmers' Practices	**T_0.** Traditional practice
Details of technology identified for solution	T_1Salt tolerant variety of Wheat +Bio formulations
No. of farmers	5
Critical inputs	Seed and Bio formulations
Variety	Shahi/China
Source of technology	ICAR-CSSRI,Karnal,Hariyana
Total Cost	3000
Performance indicators:	
i.Technical	Initial and after harvest of crops analyses of soil.Plant height, No. of tillers, No. of effective tillers/m^2 Yield per ha

OFT -7

Particulars	Contents
Title	Salt tolerant variety of Mustard with improved management practices in sodic soil
Problem diagnosed	Low yield of Paddy due to cultivation of traditional varieties
Farming situation	Irrigated
Production system and thematic area	Paddy – Mustard
Farmers' Practices	T0-Mustard
Details of technology identified for solution	T1-Mustard variety CS60
No. of farmers	5
Critical inputs	Seed
Source of technology	ICAR-CSSRI, Karnal, Haryana
Total Cost	3000
Performance indicators:	
i.Technical	Initial and after harvest of crops analyses of soil.Yield/hectare, Plant height, No. of tillers, No. of effective tillers/m2
ii. Economical	B:C ratio
iii. Social	Farmers reaction

OFT -8

Particulars	Contents
Title	Salt tolerant variety of Lentil with improved management practices in sodic soil
Problem diagnosed	Poor yield of crop due to cultivation of traditional varieties and poor management practices
Farming situation	Irrigated
Production system and thematic area	Paddy – Lentil
Farmers' Practices	T0-Lentil
Details of technology identified for solution	T1-Lentil variety PDL 1/PSL 9
No. of farmers	10
Critical inputs	Seed
Source of technology	ICAR-CSSRI, Karnal, Hariyana
Total Cost	5000
Performance indicators:	
i.Technical	Initial and after harvest of crops analyses of soil.Yield/hectare, Plant height, No. of tillers, No. of effective tillers/m2
ii. Economical	B:C ratio
iii. Social	Farmers reaction

OFT-9

<table>
<tr><th colspan="2">Particulars</th><th colspan="3">Contents</th></tr>
<tr><td colspan="2">Title</td><td colspan="3">Availability of fruit &vegetable throughout the year through nutritional garden</td></tr>
<tr><td colspan="2">Problem diagnosed</td><td colspan="3">Mal nutrition among rural women & children</td></tr>
<tr><td colspan="2">Micro farming situation</td><td colspan="3">Nutritional security</td></tr>
<tr><td colspan="2">Details of technology identified for solution</td><td colspan="3">T_0Only one or two vegetable in kitchen garden
T_1Nutritional garden with fruit plants and vegetables throughout the year. (150 m^2)</td></tr>
<tr><td colspan="2">Fruit plants</td><td colspan="3">Crop Calendar of Vegetables*</td></tr>
<tr><td>Name</td><td>Number</td><td>Rabi</td><td>Kharif</td><td>Zaid</td></tr>
<tr><td>Guava</td><td>1</td><td rowspan="7">Spinach, Coriander, Fenugreek, Dill, Raddish, Carrot, Beetroot, Cabbage, Knol-Khol, Vegetable pea, Brocolli, French bean, Garlic, onion</td><td rowspan="7">Bhindi, Lobia, Bottle gourd, Chilli, Sponge gourd, Pumpkin, Bitter gourd, Raddish, Tomato, brinjal, chilli, Spinach, Amaranth, Coriander</td><td rowspan="7">Bhindi, Lobia, Bottle gourd, Chilli, Sponge gourd, Pumpkin, Bitter gourd, Raddish, Tomato, brinjal, chilli, Spinach, Amaranth, Coriander</td></tr>
<tr><td>Lemon</td><td>1</td></tr>
<tr><td>Pomegranate</td><td>1</td></tr>
<tr><td>Papaya</td><td>4</td></tr>
<tr><td>Banana</td><td>4</td></tr>
<tr><td>Drumstick</td><td>1</td></tr>
<tr><td>Curry leaf</td><td>1</td></tr>
<tr><td>Total</td><td>13</td><td colspan="3">*Type of vegetables may be change according to availability of seeds.</td></tr>
<tr><td colspan="2">No. of farmers</td><td colspan="3">5</td></tr>
<tr><td colspan="2">Critical inputs</td><td colspan="3">Fruit plants , seed/seedling,</td></tr>
</table>

Source of technology	ICAR - IIVR,Varanasi
Total Cost	4000
Observation to be recorded	Total Yield of vegetable,Availability of vegetable/day/person ,B:C ratio
Reaction of the farmers	Acceptability, Adoption

OFT-10

Particulars	**Contents**
Title	Performance assessment of ragi enriched wheat flour to increase Iron & Calcium content of the diet of the adolescent girls
Problem diagnosed	Low haemoglobin level and Ca deficiency in adolescent girls
Farming situation	Nutritional Security
Production system and thematic area	Women & Child Care
Farmers' Practices	T_0-Only wheat flour
Details of technology identified for solution	T_1- Enrichment of wheat flour @ 10%,20% & 30%
No. of farmer	5
Critical inputs	Raw materials,blood test for hemoglobin and total calcium
Source of technology	Indian Institute of Millets Research,Hyderabad,2018
Total Cost	13000
Performance indicators:	
i.Technical	Haemoglobin level, Total Ca content, acceptability of food by adolescent girls, Organoleptic evaluation
ii. Economical	B:C ratio
iii. Social	Feasibility

OFT -11

Particulars	**Contents**
Title	Assessment of technique of preservation of leafy vegetables to increase availability of leafy vegetables
Problem diagnosed	Poor shelf life due to perishable nature of leafy vegetables
Farming situation	Household Food Security
Production system and thematic area	Household Food Security
Farmers' Practices	T_0- No Preservation
Details of technology identified for solution	T_1- Drying of leafy vegetables in solar dryer
No. of farmer	10
Critical inputs	Raw materials ,
Source of technology	ICAR-IIVR,Varanasi,2016
Total Cost	10,000
Performance indicators:	
i.Techanical	Shelf life, Organoleptic evaluation on 9-Point Hedonic Scale,
ii. Economical	B:C ratio

iii. Social	Acceptability Feasibility

3.2 Frontline Demonstrations

3.2.1. Other than Oilseeds and pulses

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
1	Paddy	CSR43/ CSR46	STV	Salt tolerant Variety	Seed, microbial formulations	Kharif 2022	30.0	120	Yield, effect on soil and cost economics, Soil testing
2	Paddy	CSR 36	STV	Salt tolerant Variety	Seed, microbial formulations	Kharif 2023	05	25	Yield, effect on soil and economics, Soil testing
3	Paddy	CSR30	Mild scented	Salt tolerant Variety	Seed, microbial formulations	Kharif 2023	05	25	Yield, effect on soil and economics, Soil testing
4	Wheat	KRL210	STV	Salt tolerant Variety	Seed, microbial formulations	Rabi 2022-23	10.0	80	Yield, effect on soil and cost economics Soil testing,
5	Barley	Prakhar	Crop production	Line sowing	Seed,	Rabi 2022-23	1.0	10	Yield, effect on soil and cost economics, Soil testing
6	Pearl millet	HYV	Crop production	Line sowing	Seed,	Kharif 2023	1.0	10	Yield, effect on soil and cost economics, Soil testing
7	Rabi maize+ Potato	Inter cropping	Crop production	Line sowing	Maize seed	Rabi 2022	2.5	15	Yield/ha, Soil testing and BCR
8.	Ragi	VL-376	Crop Production	Crop replacement	seed	Kharif 2023	0.25	10	Yield, BCR, change in diet pattern
9	Sawan	T-46	Crop Production	Crop replacement	seed	Kharif 2023	0.25	10	Yield, BCR, change in diet pattern
					Total		**55.0**	**305**	

3.2.2 Pulses under C-FLD

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
10.	Urd	Crop production	Raised bed sowing	Seed (Var. Rajendra Arhar-1)	Zaid2023	10	75	Plant height, No of Pods/plant,Total yield.B:C ratio. Soil testing
11.	Moong	Crop production	Sowing by seed drill	Seed (Var. IPM2-3)	Zaid 2023	10	45	Plant height , No of Pods/plant, Total yield of Moong,B:C ratio, Soil testing
12.	Lentil	Varietal Evaluation	Salt tolerant variety	Seed (Var. PSL 9)	Rabi 2023	15	75	Yield, effect on soil and cost economics.
13.	Chick pea	Weed mgt.	Use of Salt tolerant variety	Seed	Kharif 2023	5	10	Soil testing Plant height, No of Pods/plant,Total yield, no. of weeds/m^2
14.	Field Pea	Crop production	HYV	Seed	Rabi 2023	5	10	Soil testing Plant height, No of Pods/plant, Total yield, no. of weeds/m^2
15.	Arhar	Soil fertility	HYV	Seed	Rabi 2023	5	15	Soil testing, Plant height, No of Pods/plant, Total yield, no. of weeds/m^2
Total						50	230	

3.2.2 Oilseeds under C-FLD

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
16.	Toria/mustard	Variety evaluation	Salt tolerant Variety- CS60	Seed	Rabi 2023	5.0	20	Yield, effect on soil and cost economics, Soil testing
17.	Til	Crop production	HYV	Seed	Kharif 2023	5.0	10	Plant height, No of Pods/plant,Total yield, no. of weeds/m^2
18.	Groundnut	Crop production	HYV	Seed	Zaid 2023	5.0	25	Yield, B:C ratioSoil testing

19.	Linseed	Crop production	Variety- Uma	Seed	Rabi 2023	1.0	5	Yield, B:C ratio, Soil testing
Total						**16.0**	**60**	

3.2.3 Horticulture

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
20.	Banana	Crop Production	HYV	Suckers	Kharif 2023	0.5	10	banana yield q/ha., income per unit area,,B:C ratio
21.	Banana	INM	MOP	MOP	Kharif 2023	1.5	10	Yield/ha,Soil testing and BCR
22.	Vegetable Pea	Varietal evaluation	HYV/hybrid,	Seed	Rabi 2023	1.0	15	yield & BC ratio
23.	Onion	Crop Production	HYV/hybrid,	Seed	Kharif 2023	0.25	20	Yield & B:C ratio
24	Cabbage	Nutrient Management	Boron	Nutrient	Rabi 2023	1.0	15	Yield , B:C Ratio, effect on size of curd
25.	Cauliflower	Nutrient Management	Boron	Nutrient	Rabi 2023	1.0	15	Yield , B:C Ratio, effect on size of curd
19.	Turmeric	Integrated Farming	Intercropping of Turmeric in cucrbits	Rhizome	Zaid 2023	0.25	10	Increase in yield per unit area, B:C ratio
					Total	5.5	95	

3.2.4 Home Science

Sl. No.	Crop/ variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha/ unit)	No. of farmers/ demonstration	Parameters identified Yield/Profit/Other technological parameters
20.	Mushroom production	Income generation	Mushroom production	Bags , spray machine, Spawn, compost, Formaldehyde and other small equipments	2023	5 unit	60	Yield ,Days of availability,Total income, Adaptability Other benefits
21	Mustard	Drudgery reduction	Twin wheel hoe for drudgery reduction	Twin wheel hoe	2023	25	50	Posture adopted, Perceived drudgery, output per hour/per m2
22	Fruit	Nutritional	Plants /Saplings	Plants/sapling	2023	100	100	Consumption per family,

		Security	rich in micro and macro nutrients	s				nutrient supply, B:C ratio
23.	Sawan	Value addition	Value addition of sawan	sawan	2023	10	10	Organoleptic evaluation ,BCR, increase in Nutritional content of diet
Total						**140**	**220**	

3.2.4 Livestock

Sl. No.	Crop/ Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha/Unit)	No. of farmers/ demonstration	Parameters identified Yield/Profit/Other technological parameters
24	Dairy animal	Nutrition mgt	Mineral Mixture	Mineral mixture	2023	50	50	Increase in milk prod,uction, B:C ratio
					Total	**50**	**50**	

B. Extension and Training activities under FLD

Sl. No.	Activity	No. of activities To be organize	Month	Number of Participants
1	Field days	24	April, Oct	500
2	Farmers Training	24	Feb-Nov	300
3	Media coverage	24		-

A. Training (Including the sponsored and FLD training programmes): ON Campus

Thematic Area	No. of Courses	No. of Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I. Crop Production										
Integrated farming	1	20	-	20	5	-	5	25	-	25
Resource Conservation Technologies	1	20	-	20	5	-	5	25	-	25
Weed Management	1	20	-	20	5	-	5	25	-	25
Crop Production Technology	1	20	-	20	5	-	5	25	-	25
Organic farming	1	20	-	20	5	-	5	25	-	25
Total	**5**	**100**	**-**	**100**	**25**	**-**	**25**	**125**	**-**	**125**
II. Horticulture										
a) Vegetable Crops										
Production of low value and high volume Crops										

Total (a)										
b) Fruits										
Total (b)										
c) Ornamental Plants										
Total (c)										
d) Spices										
Total (d)										
GT (a-d)										
III Soil Health and Fertility Management										
Soil fertility management										
Intergrated water management	2	40	-	40	10	-	10	50	-	50
Intergrated Nutrient management	2	40	-	40	10	-	10	50	-	50
Reclamation of sodic soil	2	40	-	40	10	-	10	50	-	50
Soil and water Testing	2	40	-	40	10	-	10	50	-	50
Vermi& NADEP Compost	1	20	-	20	5	-	5	25	-	25
Promotion of Organic farming	1	20	-	20	5	-	5	25	-	25
Natural Farming	2	40	-	40	10	-	10	50	-	50
Total	**12**	**240**		**240**	**60**		**60**	**300**		**300**
Livestock										
Diseases management										
Dairy management										
Total										
VI Home Science										
Household food security by kitchen gardening and nutrition gardening	1	-	20	20	-	5	5	-	25	25
Design & Development of high nutrient efficient diet	2	-	40	40	-	10	10	-	50	50
Value addition	4	-	40	40	-	10	10	-	50	50
Women Empowerment	1	-	20	20	-	5	5	-	25	25
Design & Development of low/minimum cost diet	2	-	20	20	-	5	5	-	25	25
Total	**10**		**140**	**140**		**35**	**35**		**175**	**175**
VI Plant Protection										
VII. Capacity Building and Group Dynamics/ Agril. Extn.										
Formation and management of FPO	1	20	1	21	3	1	4	23	2	25
Promotion of agri business by electronic media	1	20	1	21	3	1	4	23	2	25
Total	**2**	**40**	**2**	**42**	**6**	**2**	**8**	**46**	**4**	**50**
TOTAL(A)	**29**	**380**	**142**	**522**	**91**	**37**	**128**	**471**	**179**	**650**
(B) RURAL YOUTH										
Mushroom Production	2	-	25	25	-	5	5	-	30	30
I.N.M. & R.C.T. in different crops for doubling income	1	15	-	15	5	-	5	20	-	20
Value Addition	3	-	35	35	-	5	5	-	40	40
Production technology of Vermi& NADEP compost for doubling income	1	15	-	15	5	-	5	20	-	20
Candle Making	1	-	15	15	-	5	5	-	20	20

Use of leaves in insect/pest control	1	-	10	10	-	5	5	-	15	15
Soil & Water testing	1	10	-	10	5	-	5	15	-	15
Rural Craft	1	-	15	15	-	5	5	-	20	20
TOTAL(B)	**11**	**40**	**100**	**140**	**15**	**25**	**40**	**55**	**125**	**180**
(C) Extension Personnel										
Resource conservation technology in Wheat	1	20	-	20	5	-	5	25	-	25
Management Of Problematic soil	1	20	-	20	5	-	5	25	-	25
Value addition	1	-	20	20	-	5	5	-	25	25
Household food security	1	-	20	20	-	5	5	-	25	25
Method of soil & water sampling for doubling income	1	20	-	20	5	-	5	25	-	25
TOTAL(C)	**5**	**60**	**40**	**100**	**15**	**10**	**25**	**75**	**50**	**125**
TOTAL(A+B+C)	**45**	**480**	**282**	**762**	**121**	**72**	**193**	**601**	**354**	**955**

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I. Crop Production										
Integrated farming	1	17	-	17	4		4	21		21
Resource Conservation Technologies	2	40	-	40	10		10	50		50
Weed Management	1	10	-	10	2		2	12		12
Nursery Management	1	10	-	10	2		2	12		12
Integrated Crop Management	1	20	-	20	5		5	25		25
Total	**6**	**97**	**-**	**97**	**23**		**24**	**120**	**-**	**120**
II. Horticulture										
a) Vegetable Crops										
Total (a)										
b) Fruits										
Total (b)										
c) Ornamental Plants										
Total (c)										
e) Spices										
Total (e)										
GT (a-g)										
III Soil Health and Fertility Management										
Intergrated Nutrient management	2	40	-	40	10	-	10	50	-	50
Reclamation of sodic soil	2	40	-	40	10	-	10	50	-	50
Soil and water Testing	4	40		40	10		10	50	-	50
Vermi& NADEP Compost	1	20	-	20	5	-	5	25	-	25
Promotion of Organic farming	4	40		40	10		10	50	-	50
Total	**13**	**180**	**-**	**180**	**45**	**-**	**45**	**225**	**-**	**225**
IV. Livestock Production and Management										

Total										
V. Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	3	-	60	60	-	15	15	-	75	75
Location specific drudgery reduction technologies	2	-	40	40	-	10	10	-	40	40
Importance of self help group for income generation	1	-	20	20	-	5	5	-	25	25
Storage loss minimization technique for farm women	2	-	40	40	-	10	10	-	40	40
Total	**8**		**160**	**160**		**40**	**40**		**180**	**180**
VI Plant Protection										
Total										
VII. Capacity Building and Group Dynamics/ Agril. Extn.										
management of SHGs	1	-	20	20	-	5	5	-	25	25
Formation and promotion of FPO	4	100	-	100	40	-	40	140	-	140
Total	**5**	**100**	**20**	**120**	**40**	**5**	**45**	**140**	**25**	**165**
TOTAL(A)	32	377	180	557	108	45	154	485	205	690
B) Rural Youth										
Mushroom production	5	25	25	50	25	25	50	50	50	100
Natural Farming	5	25	25	50	25	25	50	50	50	100
TOTAL(B)	**10**	**50**	**50**	**100**	**50**	**50**	**100**	**100**	**100**	**200**
TOTAL(A+B+C)	**42**	**427**	**230**	**657**	**158**	**95**	**254**	**585**	**305**	**890**

A) 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	Male	Female	Total
(A) Farmers & Farm Women										
I. Crop Production										
Integrated farming	2	37		37	9		9	46		46
Resource Conservation Technologies	3	60		60	15		15	75		75
Weed Management	2	30		30	7		7	37		37
Nursery Management	1	10	-	10	2		2	12		12
Crop Production Technology	1	20	-	20	5	-	5	25	-	25
Organic farming	1	20	-	20	5	-	5	25	-	25
Integrated Crop Management	2	40		40	10		10	50		50
Total	**12**	**217**		**217**	**53**		**53**	**270**		**270**
III Soil Health and Fertility Management										
Intergrated Nutrient management	4	80	-	80	20	-	20	100	-	100
\Reclamation of sodic soil	4	80	-	80	20	-	20	100	-	100
Intergrated water management	2	40	-	40	10	-	10	50	-	50
Soil and water Testing	6	120		120	10		10	130	-	130
Natural Farming	2	40	-	40	10	-	10	50	-	50
Vermi& NADEP Compost	2	40		40	10		10	50		50
Promotion of Organic farming	5	60		60	15		15	75		75
Total	**25**	**460**		**460**	**95**		**95**	**555**		**555**
IV. Livestock Production and Management										

Total										
IV. Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	4		80	80		20	20		100	100
Design and development of low/minimum cost diet	2	-	20	20	-	5	5	-	25	25
Design & Development of high nutrient efficient diet	2	-	40	40	-	10	10	-	50	50
Storage loss minimization technique	2	-	40	40	-	10	10	-	40	40
Gender mainstreaming through SHGs	1	-	20	20	-	5	5	-	25	25
Location specific drudgery reduction technologies	2	-	40	40	-	10	10	-	40	40
Value addition	4	-	40	40	-	10	10	-	50	50
omen Empowerment	1	-	20	20	-	5	5	-	25	25
Total	**18**		**300**	**300**		**75**	**75**		**355**	**355**
V. Plant Protection										
Seed Treatment										
Total										
VI. Capacity Building and Group Dynamics/ Agril. Extn.										
Formation and management of SHGs	5	20	81	101	3	21	24	23	102	125
Promotion of agri business	1	20	1	21	3	1	4	23	2	23
Farmer producer group formation & promotion	7	155	7	162	13	11	24	168	18	186
Total	**13**	**195**	**89**	**284**	**19**	**33**	**52**	**214**	**122**	**334**
VIII Agricultural Engineering										
TOTAL(A)	**68**	**872**	**389**	**1261**	**167**	**108**	**275**	**1039**	**477**	**1514**
(B) RURAL YOUTH										
Mushroom Production	7	25	50	75	25	30	55	50	80	130
I.N.M. & R.C.T. in different crops for doubling income	1	15	-	15	5	-	5	20	-	20
Value Addition	3	-	35	35	-	5	5	-	40	40
Production technology of Vermi& NADEP compost for doubling income	1	15	-	15	5	-	5	20	-	20
Candle Making	1	-	15	15	-	5	5	-	20	20
Use of leaves in insect/pest control	1	-	10	10	-	5	5	-	15	15
Soil & Water testing	1	10	-	10	5	-	5	15	-	15
Rural Craft	1	-	15	15	-	5	5	-	20	20
Natural Farming	5	25	25	50	25	25	50	50	50	100
TOTAL(B)	**21**	**90**	**150**	**240**	**65**	**75**	**140**	**155**	**225**	**380**
(C) Extension Personnel										
Resource conservation technology in Wheat	1	20	-	20	5	-	5	25	-	25

Management Of Problematic soil	1	20	-	20	5	-	5	25	-	25
Value addition	1	-	20	20	-	5	5	-	25	25
Household food security	1	-	20	20	-	5	5	-	25	25
Method of soil & water sampling for doubling income	1	20	-	20	5	-	5	25	-	25
TOTAL(C)	**5**	**60**	**40**	**100**	**15**	**10**	**25**	**75**	**50**	**125**
TOTAL A+B+C	**94**	**1022**	**579**	**1601**	**247**	**193**	**440**	**1269**	**752**	**2019**

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	4	100	20	120	-	-	-	100	20	120
KisanMela	1	150	20	170	-	-	-	150	20	170
KisanGhosthi	2	100	20	120	-	-	-	100	20	120
Exhibition	0	0	0	0	-	-	-	0	0	0
Film Show	0	0	0	0	-	-	-	0	0	0
Workshop	1	20	0	20	-	-	-	20	0	20
Group meetings	5	70	10	80	-	-	-	70	10	80
Lectures delivered as resource persons	5	100	20	120	40	5	45	140	25	165
Newspaper coverage	3	Mass media								
Radio talks	2									
TV talks	1									
Popular articles	4									
Extension Literature	2									
Advisory Services	300	400	50	450	-	-	-	400	50	750
Scientific visit to farmers field	30	150	50	200	-	-	-	150	50	200
Farmers visit to KVK	10	200	40	240	0	0	0	200	40	240
Soil health Camp	2	60	0	60	-	-	-	60	0	60
Swachh Bharat Abhiyan	5	100	25	125	-	-	-	100	25	125
Soil test campaigns	2	150	0	150	-	-	-	150	0	150
Celebration of important days (specify)	2	100	0	100	-	-	-	100	0	100
News Letter	0	0	0	0	-	-	-	0	0	0
Total	**381**	**1700**	**255**	**1955**	**40**	**5**	**45**	**1740**	**260**	**2300**

3.5 DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	250	250	20	-
Water	100	100	20	-
Total	**350**	**350**	**20**	**-**

3.5 Action plan for seed production and supply of Technological products at K.V.K. farm from Jan. to Dec. 2022.

Production of seeds by the KVKs or farm developments

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q) Value (Rs)	Number of farmers
Cereals	Paddy	CSR 46		30.0	
	Wheat	KRL 210		25.0	
	Barley	Prakhar		1.0	
	Pearl millet	Hybrid		1.0	
			Total	**57.0**	
Oilseeds	Mustard	CS 60		15	
	Linseed	Uma		1.0	
			Total	**16.0**	
Pulses	Lentil	PDL 1	Total	1.0	
				1.0	
Commercial crops	sugarcane	Co238		1.0	
			Total	**1.0**	
Others	Dencha			1.0	
			Total	**1.0**	
GrandTotal				**76.0**	

Planting materials :

Sl. No.	Crop	Variety	Quantity (Nos.)
A	**Fruits**		
1.	**Total**		
	Vegetables		
1.	Tomato	HYV	200
2.	Brinjal	HYV	200
3.	Chilli	HYV	100
	Total		
	Ornamental crops		
	Total		
	Forestry		
G. Total			**500**

3.6. Literature to be Developed/Published

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

(B) Literature to be developed /published

Item	Number of copies
Research papers	3
Technical reports	4
News letters	-
Popular articles	4
Extension literature and Technical Book	2
Soil health cards	1000
TOTAL	**1013**

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

4.0 LINKAGES

4.1 Functional linkage with different organizations

Name of organization	Nature of linkage
State Agriculture Department ,Hardoi	Joint implementation of on-farm trials, FLD, Joint Diagnostic survey for initial establishment of farmers linkages
State Horticulture Department,Hardoi	Joint implementation of on-farm trials, FLDs Joint Diagnostic survey for initial establishment of farmers linkages and Training programmemes
IIVR, Varanasi	Transfer of technology through FLD of Vegetables.
KVK, Gorkhpur, KVK Basti, KVK, Varanasi, KVK, Ranchi	Technical co-operation in conducting training programmes
NDUA&T, Faizabad	Seeds of imp. Varieties (Wheat & Rice)
BHU, Varanasi	Seeds of imp. Varieties of wheat.
IIPR, Kanpur	Transfer of technology through FLD of pulses.
C.S.A.U &T., Kanpur	Seeds of imp. Varieties of oilseeds and cereals.
IARI, Reagional station Karnal	Transfer of technology through FLD of rice
CIMMYT, New Delhi	Resource conservation technology demonstration
Directorate of Maize Research, New Delhi	Front line demonstration
CIAE, Bhopal	Agricultural equipments/implements
ATMA, Hardoi	Livelihood improvement
CPRI Station, Modipuram, Meerut	For potato technology
IFFCO	Training, demonstration
NFL, Lucknow	Training

4.2 Details of linkage with ATMA

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

Sl. No.	Programme	Nature of linkage	Remarks
1.	Training programme		
2.	AES (Agro-Ecological situation)		
3.	Front line Demonstration (FLD)		

4.3 Nature of linkage with National Fisheries Development Board:

5.0 Utilization of Hostel facilities - Nil

भाकृअनुप – कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान

जी.टी. रोड, रावतपुर, कानपुर

ICAR-AGRICULTURAL TECHNOLOGY APPLICATION RESEARCH INSTITUTE,

G.T. ROAD, RAWATPUR, KANPUR – 208 002

Tel. : 0512-2533560, 2554746, atari.kanpur@icar.gov.in, zpdicarkanpur@gmail.com, https://atarikanpur.icar.gov.in