

कार्य योजना **ACTION PLAN** **2023**

चं.शे. आजाद कृषि एवं प्रौद्योगिकी विवि
के कृषि विज्ञान केंद्र
KVKs OF CSAUAT, Kanpur



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

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

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ICAR-Agricultural Technology Application Research Institute (ATARI)
Kanpur

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INTRODUCTION

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

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

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

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

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

Facilitating financial and infrastructural support to KVKs for effective functioning.

KVK and its mandate

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

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

Besides, KVKs also act to

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

AGRO-CLIMATIC ZONES

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



Distribution of 88 KVKs in U.P.

◆	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, Lakhimpur Kheri, Hardoi, Sitapur, Gorakhpur, Prayagraj

KVKS AT A GLANCE

KVKS in Uttar Pradesh at a Glance

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

Host wise list of KVKS with their establishment year

S.N.	Name of the KVK	Year of establishment	S.No.	Name of the KVK	Year of establishment
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	Bairampur	2005			
CSAUA&T, Kanpur (15)					
26	Raebareli	1984	33	Firozabad	2004
27	Fatehpur	1989	34	Lakhimpur Kheri	2005
28	Aligarh	1992	35	Farukhabad	2005
29	Kannauj	2004	36	Hardoi-I	2005
30	Etawah	2004	37	Mahamaya Nagar	2009
31	Mainpuri	2004	38	Kasganj	2018
32	Kanpur Dehat	2004	39	Auraiya	2007
			40	Raebareli-II	2021
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, Pratnagarh					
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 below -

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

Functional Linkage with State, National & International Organizations

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



Summary Report of Action Plan 2023 : KVKs of CSAUAT, Kanpur

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 Sapling Distribution	Quality seed distribution (q)	Chicks prod. (Nos)	Production of bio pesticides (kg)
		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	Aligarh	12	125	100	250	100	2500	200	1500	350	3500	0	0	0	500	0	1000	100	0	0
2	Auraiya	12	60	54	375	100	2000	125	25685	200	2000	0	0	0	300	0	0	0	0	0
3	Etawah	15	75	100	200	100	2000	18	12877	200	20000	0	0	0	200	1800	0	0	0	0
4	Farrukhabad	9	40	74.55	300	100	2000	312	13940	0	20000	0	0	0	50	150	20000	40	100	0
5	Fatehpur	12	50	200	500	100	2000	200	6000	200	20000	0	0	0	500	500	0	0	0	0
6	Firozabad	08	30	178.64	457	100	2390	200	4500	0	2000	600	200	0	300	300	20000	0	100	1500
7	Hardoi-I	14	70	33	220	614	2280	365	6205	200	20000	0	0	0	1000	1000	20000	0	0	0
8	Hathras	10	50	34	155	100	2500	310	6654	0	0	0	0	0	100	100	0	15	0	0
9	Kannauj	12	70	100	395	112	2400	200	12877	200	1000	0	0	0	300	1000	0	0	0	0
10	Kanpur Dehat	16	115	80	200	100	2000	200	6000	100	20000	2	100	1000	750	3000	3500	100	100	0
11	Kasganj	03	206	70	174	57	1120	126	5605	200	10000	0	0	0	0	0	0	0	0	0
12	Lakhimpur Kheri-I	12	60	82.90	343	115	3505	119	9340	200	20000	0	0	0	300	2000	20000	300	125	0
13	Mainpuri	12	60	195.2	595	180	449	3175	24226	0	24000	0	0	0	100	100	24000	50	0	0
14	Raebraeli-I	12	60	130	340	100	2000	205	5440	200	21000	0	0	0	1000	5000	21000	200	50	0
15	Raebraeli-II	12	60	70	270	100	2000	125	4440	200	21000	0	0	0	1000	5000	20000	30	50	0
	Total	171	1131	1502.29	4774	2078	31144	5880	145289	2250	204500	602	300	1000	6400	19950	149500	835	525	1500

ACTION PLAN

KVK-I Raebareilly

(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		
KRISHI VIGYAN KENDRA, DARIYAPUR, P.O. MUNSIGANJ, RAEBARELI	0535-2001732	0535-2001732	kvk.raebareli1984 @gmail.com	www.raebareli.kvk4.in

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

Address	Telephone		E mail	Website
	Office	FAX		
Chandra Sekhar Azad University of Agriculture &Tech. Kanpur	0535-2001732	0535-2001732	kvk.raebareli1984 @gmail.com	www.raebareli.kvk4.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 : Not Establish

1.3. Name of the Senior Scientist and Head with phone & mobile No :

Name	Telephone / Contact		
	Office	Mobile	Email
Prof. Neelma Kunwar	0535-2001732	9839086615	kvk.raebareli1984@gmail.com

1.4. Year of Sanction : 1984

1.5. Staff Position (as on 31th August, 2022)

Sl. No.	Sanction Post	Name of the incumbent	Designation	Discipline
1	2	3	4	5
1	1	Prof. Neelma Kunwar	Head/Sr.Scientist	Home Science
2	1	Dr.O.P.Verma	Scientist	Animal Science
3	1	Dr. R. K. Kanojia	Scientist	Agronomy
4	1	Dr. Deepak Mishra	Scientist	Plant Breeding
5	1	Dr. D.B. Singh	Scientist	Horticulture
6	1	Dr. S.V.Singh	Scientist	Horticulture
7	1	Dr. Deepali Chauhan	Scientist	Home Science
8	1	Sh.Anil Kumar	P.Asstt.-Computer	P.A. Computer
9	1	Sh. Sumitra Singh	Accountant / O.S.	O.S.
10	1	Sh.Pankaj K.Mishra	Stenographer	Stenographer
11	1	Sh.Rajaram Maurya	Jeep Driver	Jeep Driver
12	1	Sh. AlokVerma	Tractor Driver	Tractor Driver
13	1	Smt. Dropati Devi	Field Attendant	Field Attendant

14	1	Sh. Vasudev	Field Attendant	Field Attendant
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1.6. Total land with KVK (in ha) : 9.80 ha.

S. No.	Item	Area (ha)
1	Under Buildings	1.25
2.	Under Demonstration Units	0.75
3.	Under Crops	6.50
4.	Horticulture	0.50
5.	Ponds	0.65
6.	Others (if any)	0.15

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

a) Soil type

S. No	Agro Ecological Situation	Characteristics
1.	AES-I	Light brown sandy loam to sandy, generally structure less, poor in water holding capacity and organic matter, moderately alkaline, restricted drainage.
2.	AES-II	Light gray brown at surface to pale brown at lower depth, poor to average water holding capacity neutral in reaction and poor in organic matter.
3.	AES-III	Light gray to light brownish gray, sandy loam, average water holding capacity, neutral in reaction, slightly calcareous, low in organic matter content, impeded drainage and prone to salinity in the water logged areas.
4.	AES-IV	Brown at surface and lighter brown, sandy loam, average water holding capacity, neutral non-calcareous, fair drainage.
5.	AES-V	The colour varies from gray to grayish brown at the surface to slightly light at lower depths. Light texture at surface but becoming heavier below, average water holding capacity, neutral in reaction.
6.	AES-VI	Surface soil gray in colour which darkens below, becoming gray again in the third horizon. Texture is clay loam at surface and heavier below, average water holding capacity, neutral in reaction.

b) Topography

S. No.	Agro ecological situation	Characteristics
1	AES-I	Surface soils poor in lime content but the middle layer is calcareous, medium in soluble salts. Carbonates & sulphates practically absent.
2	AES-II	Generally non calcareous with fair drainage, medium in soluble salt contents with predominance of bicarbonates and chlorides.
3	AES-III	Average in soluble salts but injurious carbonates are absent.
4	AES-IV	Low in soluble salts mainly comprising of bicarbonates and chlorides of sodium.
5	AES-V	Lower layers moderately calcareous. High soluble salts that increase with depth.
6	AES-VI	Medium water soluble salts comprising mainly bicarbonates and chlorides of sodium.

2.3 Soil types

Sl. No	Soil type	Characteristics	Area (ha)
1	Ganga Khadar	1.Light brown sandy loam to sandy, generally structure less, poor in water holding capacity and organic matter, moderately alkaline, restricted drainage, surface soils poor in lime content but the middle layer is calcareous, medium in soluble salts. Carbonates & sulphates practically absent.	14935
2	Ganga Recent Alluvium	2.Light gray brown at surface to pale brown at lower depth, poor to average water holding capacity neutral in reaction and poor in organic matter. Generally non calcareous with fair drainage, medium in soluble salt contents with predominance of bicarbonates and chlorides.	14548
3	Ganga Flat	3.Light gray to light brownish gray, sandy loam, average water holding capacity, neutral in reaction, slightly calcareous, low in organic matter content, impeded drainage and prone to salinity in the water logged areas, average in soluble salts but injurious carbonates are absent.	108593

4	Sai Upland	4.Brown at surface and lighter brown, sandy loam, average water holding capacity, neutral non-calcareous, fair drainage, low in soluble salts mainly comprising of bicarbonates and chlorides of sodium.	5986
5	Sai Low Land	5.The colour varies from gray to grayish brown at the surface to slightly light at lower depths. Light texture at surface but becoming heavier below, average water holding capacity, neutral in reaction but lower layers moderately calcareous. High soluble salts that increase with depth.	126597
6	Sai Flat	6.Surface soil gray in colour which darkens below, becoming gray again in the third horizon . Texture is clay loam at surface and heavier below, average water holding capacity, neutral in reaction and medium water soluble salts comprising mainly bicarbonates and chlorides of sodium.	193175

2.4. Area, Production and Productivity of major crops cultivated in the district (2021-22)

S. No	Crop	Area (ha)	Production (Metric ton)	Productivity (Q /ha)
1	Wheat	192613	484322	29.42
2	Rice	81783	182942	25.31
3	Gram	6455	6162	9.8
4	Pea	3085	3982	12.98
5	Arhar	6051	5125	8.24
6	Lentil	331	282	8.92
7	Urd	10462	5062	5.81
8	Moong	1296	593	3.87
9	Mustard	8214	6012	7.84
10	Til	2621	535	2.62
11	Ground nut	1160	1297	12.88
12	Potato	5093	122832	263.41

Source : Department of Agriculture - Raebareilly

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

2.7.

Category	Population	Production	Productivity
Cattle			
<i>Cross bred</i>	22430		
<i>Indigenous</i>	514832		
Buffalo			
Sheep			
<i>Cross bred</i>	681		
<i>Indigenous</i>	36832		
Goats			
Pigs			
<i>Crossbred</i>	127375		
<i>Indigenous</i>	12660		
Poultry			
Duck	115843		
Turkey and others	712		
Category	Area (ha)	Production (Q.)	Productivity
Fish (Reservoir)	239.00	5212.00	21.51

*Statistical report

2.7.Details of Operational area / Villages

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Sadar RBL	Rahi	Mohidinpur	Rice, Moong, Til, Wheat, Vegetables	No proper control of pest and diseases and imbalance use of nutrient without bio-fertilizer.	Popularization of Vermicompost, Nadep to nurish the soil and as a part of IPNM. Popularization of hybrid rice, Scented rice, line sowing.
2	Sadar RBL	Amawa	Naikani Ka Purva	Til, gram, Lentil, Toria, Mustard, Rice, fruits, animal husbandry. Wheat	No proper control of pest and diseases and imbalance use of nutrient without bio-fertilizer.	Popularization of Vermicompost, Nadep to nurish the soil and as a part of IPNM. Popularization of hybrid rice, Scented rice, line sowing, introduction of cross breed cattle.
3	Sadar RBL	Jagatpur	Miyapur	Moong, Gram, Lentil, Rice, Wheat, Vermi, Fruits	No proper control of pest and diseases and imbalance use of nutrient without bio-fertilizer and no use of deworming medicines.	Popularization of Vermicompost, Nadep to nurish the soil and as a part of IPNM. Popularization of hybrid rice, Scented rice, line sowing.
4	Unchahar	Unchahar	Barsawan	Chick pea, Lentil, Horticulture	No proper control of pest and diseases and imbalance use of nutrient without bio-fertilizer.	Popularization of improved high yielding variety.
5	Salon	Salon	Baradeeh	Til, Urd, Rice, Lentil, Wheat	Imbalance use of nutrient without bio-fertilizer, No proper control of pest and diseases	Popularization of improved high yielding variety.
6	Salon	Deeh	Gopalpur, Padmanpur Bijauli	Til, Urd, Rice, Lentil, Wheat	Imbalance use of nutrient without bio-fertilizer, No proper control of pest and diseases	Popularization of improved high yielding variety.
7	Salon	Chhathoh	Genda	Til, Urd, Rice, Lentil, Wheat	Imbalance use of nutrient without bio-fertilizer, No proper control of pest and diseases	Popularization of improved high yielding variety.
8	Unchahar	Deenshah Goara	Sultanpur Janauli	Til, Urd, Rice, Lentil, Wheat	Imbalance use of nutrient without bio-fertilizer, No proper control of pest and diseases	Popularization of improved high yielding variety.
9	Unchahar	Rohniya	Etaura Bujurg	Til, Urd, Rice, Lentil, Wheat	Imbalance use of nutrient without bio-fertilizer, No proper control of pest and diseases	Popularization of improved high yielding variety.

2.8 Priority thrust area

1. To introduce latest HYV/ Hybrids of different crops according to the agro-climatic condition of the district
2. To Increase the Seed Replacement Ratio
3. To promote the use of bio-input and bio-agents for improving soil fertility
4. Popularization of commercial cultivation of Fruits, Vegetables and Flowers in the district
5. Promotion of Protected nursery raising technique through low-tunnel poly house.
6. Introduction of cross breed cattle
7. Popularization of Barbari breed of goat for resource poor families
8. Knowledge of safe grain storage to be imparted to the rural women/ Child care and nutrition need emphasis/ Kitchen gardening

3. TECHNICAL PROGRAMME

3.A. Details of targeted mandatory activities by KVK- (2023)

OFT		FLD	
1		2	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
12	60	130	340

Training		Extension Activities	
3		4	
Number of Courses	Number of Participants	Number of Activities	Number of Participants
100	2000	205	5440

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples (Nos)
(5)	(6)	(7)	(8)
200.0	21000	-	1000

Development of Soil Health card (Nos.)	Quality Seed distributed (Q.)	No. of saplings distributed (Nos)	No. of fingerlings distributed (Nos)
(9)	(10)	(11)	(12)
5000	200	21000	0

No. of Livestock & Poultry strains distributed (Nos.)
(13)
50

Units to be develop at KVK

- Goat Unit.
- Mango Mother block unit.
- Citrus Mother block unit.
- Training/Awareness programme for Jal Shakti Jal Mission during 2023.
- Cluster Front Line Demonstrations on Oilseed and Pluses during 2023
- Crop residue management programme of Rs. 36.95 Lac. during 2023

3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	VE+INM	G.Nut	Local var/ Soil Ferti.		1	2		2	Seed
2	VE+INM	Sesame	Local var/ Soil Ferti.		1	1		1	Seed+ N.M.
3	VE+INM	Mustard	Local var/ Soil Ferti.	1	1	2		1	Seed+ N.M.
4	VE	Linseed	Local var.		1				Seed
5	VE+INM	Urd	Local var/ Soil Ferti.	1	1	2	1	2	Seed
6	VE+INM	Moong	Local var/ Soil Ferti.		1				Seed
7	VE+INM+IPM	Chick Pea	Local var/ Soil Ferti./Disease	1	1	2	1	2	Seed
8	VE+INM	Lentil	Local var/ Soil Ferti.		1				Seed
9	INM,ICM,VE	Rice	Local var/ Soil Ferti.	1	1+2+1	4	1	2	Seed
10	VE,INM,ICM	Wheat	Local var/ Soil Ferti.	2	1+1+1	4	1	3	Seed
11	INM	Bell Pepper	Soil Ferti.		1	1		1	Seed
12	INM	Tomato	Soil Ferti.		1	1	1	1	Seed
13	VE	Cauliflower	Local var.		1	1		1	Seed
14	VE+INM	Cabbage	Local var/ Soil Ferti.		1	1		1	Seed
15	VE+INM	Parsley	Local var/ Soil Ferti.		1			1	Seed
16	Fodder Production	Sorghum	Poor fod. Avail.		1	1		2	Seed
17	Fodder Production	Barseem	Poor fod. Avail.		1	2	1	1	Seed
18	Fodder Production	Lucern	Poor fod. Avail.		1			1	Seed
19	Fodder Production.	Nappier	Poor fod. Avail.		1			1	Root Slips
20	Drugery Red.	Rice	Labour	1		3	1	2	Seed
21	Kitchen gard.	Fruits Veg.	Nutrition	1	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	Oil seeds	Pulses	Commer- cial Crops	Vege- tables	Fruits	Flower	Plantation crops	Tuber Crop s	TOTAL
Varietal Evaluation	3	1	0		2					6
Seed / Plant production										0
Weed Management			1							1
Integrated Crop Management										0
Integrated Nutrient Management										0
Integrated Farming System										0
Mushroom cultivation										0
Drudgery reduction	1				1					2
Farm machineries										0

Post Harvest Technology										0
Integrated Pest Management			1							1
Integrated Disease Management										0
Resource conservation technology										0
Small Scale income generating enterprises										0
TOTAL	4	1	2	-	3	-	-	-	-	10

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
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 to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Vermi culture	Fisheries	TOTAL
Evaluation of Breeds								0
Nutrition Management	1							1
Disease of Management				1				1
Value Addition								0
Production and Management								0
Feed and Fodder								0
Small Scale income generating enterprises								0
TOTAL	1	-	-	1	-	-	-	2

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
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

(CROP PRODUCTION)

OFT – 1 Integrated Weed Management

Crop/Enterprise	Urdbean
Title of on farm trial	To assess the effect of weedicides to control weeds in urdbean
Problem diagnosed	Low yield of Urd due to weeds
Farmers' Practices	Use of <i>Imazethapyr</i>
Details of technologies selected for assessment/refinement	T ₁ Farmers Practices (Weeding at 25, 40 DAS) T ₂ :Use of <i>Imazethapyr</i> @ 1000 ml/ha. (Post emergence 20 DAS)
Source of technology	IIPR, Kanpur
Plot size	500 m ²
No. of farmers	04
Total cost	Rs. 3000/-
Critical input	Seed and Weedicide
Performance indicators: (i) Technical (ii) Economic (iii) Social	No. of Weeds/ m ² , Grain yield (Q. /ha.) Cost: benefit ratio Farmers Acceptability

OFT – 2 Varietal Evaluation

Crop / Enterprises	:	Mustard
Title of OFT	:	Assessment of Mustard variety
Problem diagnose	:	Low productivity of mustard due to old variety
Production system and thematic area	:	Paddy -wheat cropping system
Farming situation	:	Irrigated
Farmer's Practice	:	Use of Old variety (Varuna)
Details of technology selected for assessment / refinement	:	T ₁ - Farmer's Practice (Varuna) T ₂ - Azad Chetna
Source of technology	:	CSAUAT, Kanpur
No. of farmers	:	4
Replication of location	:	4
Area	:	0.4 ha per location
Critical input	:	Seed of variety
Performance indicator	:	Technical a. Number of siliqua / plant b. Test weight (g) c. Production (q/ha) d. Oil percentage Economic a. Cost of cultivation (Rs./ha) b. Net Return (Rs./ha) c. B:C ratio Social Farmers acceptability

OFT-3
Weed Management

Crop/Enterprise	Paddy
Title of on farm trial	Assessment of performance of Post emergence herbicides in Paddy Crop
Problem diagnosed	Low yield of paddy due to weed infestation in Paddy Crop
Micro farming situation	Irrigated
Details of technology identified for solution	T ₁ : Use of post-emergence weedicide spray Nominigold @ 100ml/acre at 15-20 DAT (Farmers Practice) var Arize 6444 Gold T ₂ : Triafamone 20%+ Ethoxysulfuron 10% WG @ 90gram/acre at 10-15 DAT var Arize 6444 Gold
No. of farmers	05
Replications	05
Critical inputs	Weedicides
Production system	Rice-Wheat cropping system.
Source of technology	Agriculture Department
Total Cost	Rs. 5000.00 approx.
Observation to be recorded	No. of Weeds/Sq.Metre, Grain yield (q/ha), Feasibility of farming situation.
Reaction of the farmers	-

OFT-4

Integrated Pest Management

Crop/ enterprise	:	Brinjal
Title	:	Shoot and Fruit borer management in Brinjal
Problem diagnosed	:	Low yield of Brinjal crop due to heavy infestation of Shoot and Fruit borer
Micro farming situation	:	Irrigated
Farmers practice	:	No proper pest management
Details of technology identified for solution	:	T ₁ : Spinosad (Tracer 45% SC / One up) @ 600 ml / ha T ₂ : Emamectin benzoate 5% SG @ 10g a.i./ha
No. of farmers	:	5
Replications	:	5
Critical inputs	:	Emamectin benzoate & Spinosad
Production system	:	Potato-brinjal-tomato
Source of technology	:	IIHR, Bangalore
Observation to be recorded	:	No of affected fruits /plant Yield (q/ha) B.C.ratio
Reaction of the farmers	:	Profitability and Acceptability by the farmers

OFT-5

Integrated Disease Management

Crop/Enterprise	-	Potato
Title of on farm trial	-	Management of Potato Black Scurf diseases
Problem diagnosed	-	Potato Black Scurf diseases causing poor appearance and quality and resulting low income to the farmer.
Farming situation	-	Irrigated
Production system and thematic area	-	Maize-Potato-Wheat/Maize, IDM
Farmers' Practices	-	T ₁ : Sowing of seed with Moncern @ 1.0 lt./ha tubers seed treatment
Details of technologies selected for assessment/refinement	-	T ₁ : Soil treatment with <i>Trichoderma</i> @ 5kg/ha and Seed Treatment with Thiophanate methyl 450g/L+ Pyraclostrobin 50g/LFS@ 20g/ha
Source of technology	-	CPRI, Shimla

No. of farmers	-	5
Replication of location	:	5
Critical input	-	<i>Trichoderma</i> , Fungicides
Performance indicators	-	
	-	Technical a. Diseases intensity b. No. of infected tuber / sq m c. Yield Economic Cost benefit ratio Social Farmer perception

OFT-6
Varietal Evaluation

Particulars	Contents
Title	Evaluation of varieties suitable for late or very late condition.
Problem diagnosed	Late sowing of wheat due to seepage.
Micro farming situation	Irrigated
Details of technology identified for solution	T ₁ : Farmers Practice (Variety PBW-502). T ₂ : Recommended variety DBW-107
No. of farmers	05
Replications	05
Critical inputs	Seed of late or very late sown varieties.
Production system	Rice-Wheat cropping system.
Source of technology	C.S.Azad University of Ag. & Tech., Kanpur.
Total Cost	Rs. 5000.00 Approx.
Observation to be recorded	No. of tillers/M ² , Grain yield (q/ha), Straw yield (q/ha), Feasibility of farming situation.
Reaction of the farmers	-

OFT-7
Varietal Evaluation

Crop/ Enterprise	Wheat
Title	Evaluation of varieties suitable for salt affected soil.
Problem diagnosed	Late sowing of wheat due to seepage.
Micro farming situation	Irrigated
Details of technology identified for solution	T ₁ : Farmers Practice – Lok-1 T ₂ : Recommended variety - KRL-213
No. of farmers	04
Replications	04
Critical inputs	Seed of varieties suitable for salt affected soil.
Production system	Rice-Wheat cropping system.
Source of technology	CSSRI, Karnal.
Total Cost	Rs. 4000.00 Approx.
Observation to be recorded	No. of tillers/M ² , Grain yield (q/ha), Straw yield (q/ha), Feasibility of farming situation.
Reaction of the farmers	-

(ANIMAL SCIENCE)
OFT-8
Nutrition Management

Particulars	Contents
Title	To study the effect of feeding of wheat straw treated with urea and molasses to cattle
Problem diagnosed	Low milk yield of cattle.
Micro farming situation	Agriculture and Animal Husbandry.
Details of technology identified for solution	T ₁ : Wheat straw 6 kg + Green fodder 5kg + Concentrate 1 kg/ 3kg milk yield T ₂ : Wheat straw treated with urea and molasses 6 kg + 5kg Green fodder +

	Concentrate 1 kg/ 3 kg milk yield
No. of farmers	05
Replications	04
Critical inputs	Mustard cake, mineral mx., common salt, urea and molasses.
Production system	Cattle.
Source of technology	C.S.Azad University of Ag.& Tech., Kanpur.
Total Cost	Rs. 3000.00 Approx.
Observation to be recorded	Milk yield, cost saving, concentrate saving and lactation period.
Reaction of the farmers	-

OFT-9

Disease Management

Particulars	Contents
Title	Testing the relative performance of different medicine on deworming of goats.
Problem diagnosed	Diarrhea due to internal parasites.
Micro farming situation	Agriculture and Animal Husbandry.
Details of technology identified for solution	T ₁ : Tutia 1 gm/goat. T ₂ : Benminth 1 Tab./goat
No. of farmers	10
Replications	04
Critical inputs	CuSo ₄ , Benminth
Production system	Goats.
Source of technology	C.S.Azad University of Ag.& Tech., Kanpur.
Total Cost	Rs. 3000.00 Approx.
Observation to be recorded	Feed intake (kg/animal/day), symptom of diarrhea, smell of faeces, Gross Return (Rs./Animal)
Reaction of the farmers	-

(HORTICULTURE)

OFT-10

Varietal Evaluation

Particulars	Contents
Title	Assessment of foliar spray of Nano Urea on Turmeric
Problem diagnosed	Low yield of Turmeric due to unavailability of nutrient.
Micro farming situation	Irrigated
Details of technology identified for solution	T ₁ : Farmers Practice (No Spray) T ₂ : Spay of Nano Urea 6ml/litre of water
No. of farmers	05
Replications	04
Critical inputs	Seed, Nano Urea
Production system	Field cultivation.
Source of technology	IFFCO
Total Cost	Rs. 15000.00 Approx.
Observations to be recorded	Plant Height, Tuber Weight and Yield/ha.
Reaction of the farmers	-

OFT-11

Varietal Evaluation

Particulars	Contents
Title	Trial of Gladiolus varieties for evaluation of better yield.

Problem diagnosed	Low yield due to local varieties like Novalux
Micro farming situation	Irrigated and Drip Irrigation.
Details of technology identified for solution	T ₁ : Farmers Practice (Varieties-Novalux). T ₂ : Variety- White Prosperity.
No. of farmers	05
Replications	04
Critical inputs	Corms and Organic potash and Zinc culture
Production system	Field cultivation.
Source of technology	I.I.H.R., Bangalore
Total Cost	Rs. 15000.00 Approx.
Observations to be recorded	Flower yield/ m ² , Plant Height, Flower Weight, Days to flower bud opening, No. infected plants, insect population/ plant and Yield/ha.
Reaction of the farmers	-
Particulars	Contents

OFT- 12
Integrated Crop Management

Crop / Enterprises	:	Cauliflower
Title of OFT	:	Effect of boron along with recommended dose of fertilizer (NPK) application in cauliflower
Problem diagnose	:	The crop suffering from boron deficiency
Farming situation	:	Irrigated
Production system & thematic area	:	Maize – vegetable
Farmer's Practice	:	No use of growth boron
Details of technology selected for assessment / refinement	:	T ₁ -Farmer practices N:P:k (120:60:60) and no use of boron T ₂ -NPK 120:60:60 with 15 kg Borax / ha as soil application
Source of technology	:	IIVR, Varanasi
No. of farmers	:	4
Critical input	:	Boron
Performance indicator	:	Technical a) Curd weight / plant (kg) b) Browning Percentage (%) c) Yeild Q/ha Economic (a) Yield q / ha (b) B:C ratio Social (a) Acceptability &Compatibility

(HOME SCIENCE)

OFT-13

Drudgery Reduction

Particulars	Contents
Title	Ergonomic evaluation of sapling transplanter in reducing drudgery of farm women by improving their working posture.
Problem diagnosed	High level of drudgery among farm women engaged in sapling transplantation
Micro farming situation	-

Details of technology identified for solution	T ₁ = manual sapling transplantation in squatting posture T ₂ = Use of hand operated sapling transplanter machine in standing posture
No. of farmers	10
Replications	5
Critical inputs	Sapling transplanter
Production system	Rice- Wheat cropping system.
Source of technology	M.P. A.U.T. ,Udaiypur
Total Cost	Rs. 10000.00 Approx
Observation to be recorded	Physiological stress, Muscular stress ,intensity of body pain , Social- Acceptability

OFT-14

Women Health and Nutrition

Particulars	Contents
Title	Supplementation of dried powder of drumstick leaves in daily diet of adolescent girls to combat Anemia prevalent among adolescent girls in District Raebareli, (U.P.) .
Problem diagnosed	High Prevalence of nutritional deficiency Anemia among Adolescent Girls
Micro farming situation	-
Details of technology identified for solution	T ₁ = General Diet T ₂ = General Diet + 100gram powder of drumstick leaves.
No. of farmers	10
Replications	05
Critical inputs	dried powder of drumstick leaves
Production system	Food And Nutrition Board, Govt of India
Source of technology	-
Total Cost	Rs. 5000.00 Approx
Observation to be recorded	Technical- <ul style="list-style-type: none"> Nutrient Intake before and after intervention Hemoglobin Level before and after intervention
	Economic- <ul style="list-style-type: none"> (a) Performance in Household Activity (b) School Performance
	Social- Acceptability

3.2. FRONTLINE DEMONSTRATIONS

A. Details of FLDs to be organized –

3.2.1. CLUSTER FRONTLINE DEMONSTRATION ON OILSEEDS AND PULSES

Sl. No.	Crop	Thematic area	Technology for demo	Critical inputs	Season & year	Area (ha)	No.of Farmers / Demo.	Para meters identified
Kharif – 2023								
1	G.nut	Varietal Evaluation +Nutrient mgt.	HYV+ Nutrient Management+ Plant Protection Measures	Var- ICGV-&93468 (AVTAR) + Sulphur + Plant Protection Chemicals	<i>Kharif</i> 2023	10	25	Yield & C:B ratio
2	Sesame	Varietal Evaluation +Nutrient mgt.	HYV+Nutrient Management+ Plant Protection Measures	Var-Pragati/ Tarun/ RT 351 + Sulphur + Plant Protection Chemicals	<i>Kharif</i> 2023	10	25	Yield & C:B ratio
3	Urd	Varietal Evaluation + Nutrient mgt.	HYV+ Nutrient Management+ Plant Protection Measures	Var.- AU-2/ Shekhar/ Shikha Sulphur + Plant Protection Chemicals	<i>Kharif</i> 2023	20	50	Yield & C:B ratio

4	Moong	Varietal Evaluation + Nutrient mgt.	HYV+ Nutrient Management+ Plant Protection Measures	Var.- Virat/Samrat + Sulphur + Plant Protection Chemicals	<i>Kharif</i> 2023	20	50	Yield & C:B ratio
Rabi – 2023-24								
5	Mustard	Varietal Evaluation + Nutrient mgt.	HYV+ Nutrient Management+ Plant Protection Measures	Var-CS-60/58/Peetambari Sulphur + Plant Protection Chemicals	<i>Rabi</i> 2023-24	50	125	Yield & C:B ratio
6	Chick pea	Varietal Evaluation + Nutrient mgt	HYV+ Nutrient Management+ Plant Protection Measures	Var- GNG1581/ Udai +Sulphur + Plant Protection Chemicals	<i>Rabi</i> 2023-24	20	50	Yield & C:B ratio
7	Lentil	Varietal Evaluation + Nutrient mgt	HYV+ Nutrient Management+ Plant Protection Measures	Var- KLS-218/PL 08 +Sulphur + Plant Protection Chemicals	<i>Rabi</i> 2023-24	20	50	Yield & C:B ratio
8	Pea	Varietal Evaluation + Nutrient mgt	HYV+ Nutrient Management+ Plant Protection Measures	Var- KMPR-522 +Sulphur + Plant Protection Chemicals	<i>Rabi</i> 2023-24	20	50	Yield & C:B ratio
Zaid – 2024								
9	Moong	Varietal Evaluation + Nutrient mgt	HYV+Nutrient Management + Plant Protection Measures	Var- Azad-2 +Sulphur + Plant Protection Chemicals	<i>Zaid</i> 2024	10	25	Yield & C:B ratio
10	Urd	Varietal Evaluation + Nutrient mgt	HYV+ Nutrient Management+ Plant Protection Measures	Var- Shikha +Sulphur + Plant Protection Chemicals	<i>Zaid</i> 2024	10	25	Yield & C:B ratio

3.2.2 OTHER THAN OILSEEDS AND PULSES

SL. No.	Crop/Variety	Thematic Area	Technology for demonstration	Critical Inputs	Seasons & Year	Area (ha)	No. of Farmers /demo.	Parameters identified / Profit/ Others
1.	Rice	RCT	Direct sowing of Rice through Drum Seeder	Seed & Fertilizer	<i>Kharif</i> 2023	4.0	10	Yield & C:B ratio
2.	Rice	IPM	Management of fals smut disease in rice.	Bio-pesticides / Pesticide <i>Pheromontrap.</i>	<i>Kharif</i> 2023	4.0	5	Yield & C:B ratio
3.	Rice	ICM	System of rice intensification (SRI)	Seed & FYM	<i>Kharif</i> 2023	2.0	5	Yield & C:B ratio
4.	Rice	Varietal	Cultivation of Scented Rice Var. PS-5	Seed & Fertilizer	<i>Kharif</i> 2023	2.0	5	Yield & C:B ratio
5.	Wheat	Varietal	Introduction of variety suitable for late sown condition	Seed of var. K-9533(Naina)/ K-9162(Gangotri)	<i>Rabi</i> 2023-24	4.0	10	Yield & C:B ratio
6.	Wheat	INM	Integrated nutrient management in Wheat	Seed of var. K-1008 (Sekhar New) & Biofertilizer	<i>Rabi</i> 2023-24	2.0	5	Yield & C:B ratio

7.	Wheat	ICM	Line sowing of wheat through seed drill	Seed of vark-9107 (Deva)	Rabi 2023-24	4.0	10	Yield & C:B ratio
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3.2.3 HORTICULTURAL CROP

SL. No.	Crop/Variety	Thematic Area	Technology for demonstration	Critical Inputs	Seasons & Year	Area (ha)	No. of Farmers /demo.	Parameters identified / Profit/ Others
1	Strawberry	INM	NPK 19:19:19 , 0:52: 34 and 0:0:60, Mulching,	Vareity- Winter Dawn , Mixed fertilisers	Rabi 2023-24	0.5	5	Yield & C:B ratio
2	Tomato	High yielding variety	Raised Bed and use of Shade net.	Hybrid- Arka Abhed	Rabi 2023-24	1.0	10	Yield & C:B ratio
3	Ashvgandha	High yielding variety	Nutrient management and packaging	Cim-Pusthi	Kharif 2023	0.5	10	Yield & C:B ratio
4	Broccoli	INM	Foliar application of nutrients	Variety Pusa Broccoli 1	Rabi 2023-24	0.5	10	Yield & C:B ratio

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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.	Sorgum/ Sudan	Green fodder production in kharif	Green fodder production	Seed	Kharif 2023	0.50	13	Yield of green fodder
2.	Barseem/ BB-3	Green fodder production in Rabi	Green fodder production	Seed	Rabi 2023-24	0.25	12	Yield of green fodder
3.	Lucerne/ NB -121	Green fodder production in Rabi	Green fodder production	Seed	Rabi 2023-24	0.25	05	Yield of green fodder
4.	Nappier grass	Green fodder production	Green fodder production	Rood Slip	Rabi / Kharif 2023-24	0.25	10	Yield of green fodder

3.2.5 HOME SCIENCE:

Sl. No.	Crop	Objective	Technology For demo.	Critical Inputs	Seasons & Year	Area (ha)	No. of Farmers /demo.	Parameters identified
1.	Kitchen Gardening-Vegetable	To demonstrate the performance of HYV in Kitchen Gardening-Vegetable	HYV of Vegetable	Var. + fertilizers	Rabi 2023-24	0.2	4	Yield & C:B ratio
2.	Lemon	To prepare of lemon squash	Lemon, chemical etc.	Lemon, chemical	Kharif / Rabi 2023-24	-	10	C:B ratio

Sponsored Demonstration

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

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	15	February	800
2	Farmers Training	10	January	300
3	Media coverage	16	March	-
4	Training for extension functionaries	5	February	100

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
-	-	-	-	-	-	-

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Vaccination n of HS and FMD disease	Jersey Haryana	40	400	HS disease vaccine	Occurrence of disease
Sorghum	HC-308	10	0.25	Seed	Green fodder production
Barseem	Vardan	10	0.25	Seed	Green fodder production
Napier grass	Root Slips	10	0.01	Root slips	Green fodder production
Deworming in goats	Barbary	20	200	Medicines	Observation of diarrhea

3.3. TRAININGS

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
(A) Farmers & Farm Women									
I. Crop Production									
Integrated cropping system	3	80	18	98	10	5	15	113	
Seed production	3	80	15	95	30	15	45	140	
Nursery management	2	50	15	65	9	6	15	80	
Water management	3	60	15	75	18	22	40	115	
II. Horticulture									
a) Vegetable Crops									
Prod. of low volume and high value crops	3	75	20	95	15	5	20	115	
Nursery raising	3	130	20	150	18	10	28	178	
Protected cultivation	2	70	10	80	7	5	12	92	
b) Fruits									
Layout and management of orchard	3	80	10	90	20	10	30	120	
III. Livestock Production and Management									
Dairy management	3	80	15	95	20	12	32	127	
Disease management	2	55	10	65	12	8	20	85	
Feed management	3	80	25	105	30	10	40	145	
Production of quality animal products	1	20	-	20	5	-	5	25	
IV. Home Science/Women empowerment									
Rural craft	2	-	70	70	-	20	20	90	
Storage loss minimization techniques	2	-	35	35	-	15	15	50	
Value addition	2	-	30	30	-	15	15	45	
V. Plant Protection									
Integrated Pest Management	3	70	10	80	10	5	15	95	
Integrated Disease Management	2	40	5	45	8	2	10	55	
Bio control of pest and diseases	2	45	5	50	10	-	10	60	
VI. Capacity Building and Group Dynamics/ Agril. Extn.									
Formation and management of SHGs	-	-	-	-	-	-	-	-	
Group dynamics	-	-	-	-	-	-	-	-	
Importance of planning of crops	-	-	-	-	-	-	-	-	
TOTAL(A)	37	860	308	1168	194	110	352	1520	
(B) RURAL YOUTH									
Seed production	2	45	10	55	10	5	15	70	

Training and pruning of orchard	2	70	15	85	15	5	20	105
Mushroom production	2	40	10	50	10	5	15	65
Poultry production	2	45	5	50	15	6	21	71
Sheep and goat rearing	2	40	15	50	12	8	20	70
Value addition	2	50	-	50	15	-	15	65
Employment generation	2	65	10	75	12	8	20	95
Income generation	1	20	2	22	6	2	8	30
TOTAL(B)	15	375	67	442	95	39	134	576
(C) Extension Personnel								
Productivity enhancement in field crops	2	50	-	50	12	2	14	64
Integrated Pest Management	2	70	10	80	10	2	12	92
Mushroom production	2	45	2	47	12	3	15	62
Rejuvenation of old orchard	2	40	15	50	6	4	10	60
Protected cultivation technology	1	25	-	25	6	2	8	33
Formation and management of SHGs	1	22	5	27	5	1	6	33
Information networking among farmers	2	45	6	51	5	2	7	58
Management in farm animals	2	75	-	75	15	2	17	92
Livestock feed and fodder production	2	80	-	80	10	5	15	95
Women and child care	2	45	5	50	10	2	12	62
TOTAL(C)	18	497	43	540	91	25	116	656
TOTAL(A+B+C)	70	1732	418	2150	380	174	602	2752

A ON CAMPUS

B. OFF CAMPUS

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
(A) Farmers & Farm Women									
I. Crop Production									
Integrated cropping system	2	30	5	35	10	5	15	50	
Seed production	2	25	10	35	15	2	17	52	
Nursery management	2	50	5	55	15	5	20	75	
Water management	2	55	10	65	10	3	13	78	
II. Horticulture									
a) Vegetable Crops									
Prod. of low volume and high value crops	2	30	10	40	15	7	21	61	
Nursery raising	2	25	10	35	15	5	20	55	
Protected cultivation	2	20	15	35	12	7	19	54	
b) Fruits									
Layout and management of orchard	2	26	5	31	15	5	20	51	
III. Livestock Production and Management									
Dairy management	2	45	15	60	12	5	17	77	
Disease management	2	30	5	35	10	5	15	50	
Feed management	2	25	15	40	10	5	15	55	
Production of quality animal products	1	20	5	25	5	2	7	32	
IV. Home Science/Women empowerment									
Rural craft	2	-	40	40	-	10	10	50	
Storage loss minimization techniques	2	-	45	45	-	8	8	48	
Value addition	2	-	42	42	-	10	10	52	
V. Plant Protection									
Integrated Pest Management	3	70	10	80	10	5	15	95	
Integrated Disease Management	2	40	5	45	8	2	10	55	
Bio control of pest and diseases	1	20	5	25	5	-	5	30	
VI. Capacity Building and Group Dynamics/ Agril. Extn.									
Formation and management of SHGs	-	-	-	-	-	-	-	-	
Group dynamics	-	-	-	-	-	-	-	-	
Importance of planning of crops	-	-	-	-	-	-	-	-	
TOTAL(A)	29	381	237	618	144	84	227	845	

(B) RURAL YOUTH								
Seed production	1	30	3	33	8	5	13	46
Training and pruning of orchard	2	40	2	42	5	1	6	48
Mushroom production	1	20	5	25	5	-	5	30
Poultry production	1	22	5	27	3	1	4	31
Sheep and goat rearing	2	35	5	40	5	2	7	47
Value addition	1	22	2	24	6	-	6	30
Employment generation	1	40	5	45	5	2	7	52
Income generation	2	35	10	45	10	2	12	57
TOTAL(B)	11	244	37	281	47	13	60	341
(C) Extension Personnel								
Productivity enhancement in field crops	2	30	15	45	10	3	13	58
Integrated Pest Management	2	60	8	68	12	3	15	83
Mushroom production	1	22	5	27	3	1	4	31
Rejuvenation of old orchard	1	20	3	23	5	1	6	29
Protected cultivation technology	1	22	5	27	5	2	7	33
Formation and management of SHGs	2	35	-	35	10	5	15	50
Information networking among farmers	1	20	2	22	4	1	5	27
Management in farm animals	2	35	5	40	10	2	12	50
Livestock feed and fodder production	2	30	10	40	8	5	13	53
Women and child care	2	40	-	40	8	3	11	51
TOTAL(C)	16	314	53	367	75	26	101	468
TOTAL(A+B+C)	56	939	327	1266	266	123	388	1654

ONSOLIDATED TABLE (ON AND OFF CAMPUS)

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
(A) Farmers & Farm Women									
I. Crop Production									
Integrated cropping system	5	110	23	133	20	10	30	163	
Seed production	5	95	35	130	45	17	62	192	
Nursery management	4	100	20	120	24	11	35	155	
Water management	5	115	25	140	28	25	53	193	
II. Horticulture									
a) Vegetable Crops									
Prod. of low volume and high value crops	5	105	30	135	30	12	42	177	
Nursery raising	5	155	30	185	33	15	148	333	
Protected cultivation	4	90	25	115	19	12	31	146	
b) Fruits									
Layout and management of orchard	5	106	15	121	35	15	50	171	
III. Livestock Production and Management									
Dairy management	5	125	30	155	32	17	49	204	
Disease management	4	85	15	105	22	13	35	140	
Feed management	5	105	40	145	40	15	55	200	
Production of quality animal products	2	60	15	75	20	12	32	107	
IV. Home Science/Women empowerment									
Rural craft	4	-	110	110	-	30	30	140	
Storage loss minimization techniques	4	-	80	80	-	23	23	103	
Value addition	4	-	72	72	-	25	25	97	
V. Plant Protection									
Integrated Pest Management	6	150	20	170	20	5	25	195	
Integrated Disease Management	6	145	5	150	15	5	20	170	
Bio control of pest and diseases	3	50	5	55	15	5	20	75	
VI. Capacity Building and Group Dynamics/ Agril. Extn.									
Formation and management of SHGs	-	-	-	-	-	-	-	-	
Group dynamics	-	-	-	-	-	-	-	-	
Importance of planning of crops	-	-	-	-	-	-	-	-	
TOTAL(A)	64	1251	565	1821	348	252	700	2521	
(B) RURAL YOUTH									
Seed production	3	75	13	93	18	10	28	116	
Training and pruning of orchard	4	110	17	127	20	6	26	153	
Mushroom production	3	60	15	75	15	5	20	95	
Poultry production	3	75	20	95	17	10	27	117	
Sheep and goat rearing	4	75	20	95	17	10	27	117	
Value addition	3	72	2	74	21	-	21	95	
Employment generation	3	105	2	107	17	10	27	147	
Income generation	3	55	15	70	16	4	20	87	
TOTAL(B)	26	619	94	718	142	52	194	912	
(C) Extension Personnel									
Productivity enhancement in field crops	3	80	15	95	22	3	27	122	
Integrated Pest Management	3	130	18	148	22	3	27	175	
Mushroom production	2	67	7	74	15	2	19	93	
Rejuvenation of old orchard	3	60	18	78	11	3	16	89	
Protected cultivation technology	2	57	5	62	11	4	15	66	
Formation and management of SHGs	2	57	5	62	15	4	21	83	
Information networking among farmers	4	64	8	73	9	3	12	85	
Management in farm animals	3	110	5	65	25	4	29	142	
Livestock feed and fodder production	4	100	6	120	18	3	22	148	
Women and child care	4	85	8	90	10	3	23	116	
TOTAL(C)	30	810	192	1002	158	26	184	1186	
TOTAL(A+B+C)	120	2680	854	3534	648	333	981	4515	

3.4 Extension Activities (including activities of FLD Programmes)

Nature of Extension Activity	No. of Activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field day	10	350	20	370	30	0	30	380	20	400
Kissan Ghosthi	6	200	10	210	30	0	30	230	10	240
Kissan Mela	1	600	70	670	25	15	40	625	85	710
Film Show	2	180	20	200	10	0	10	190	20	210
Exhibition	2	190	25	115	40	15	55	230	40	270
Method Demonstration	0	0	0	0	0	0	0	0	0	0
Group Meeting	2	70	20	90	10	5	15	80	25	105
Newspaper Coverage	20	0	0	0	0	0	0	0	0	0
Radio Talks	5	0	0	0	0	0	0	0	0	0
TV Talks	4	0	0	0	0	0	0	0	0	0
Popular Articles	10	0	0	0	0	0	0	0	0	0
Advisor Services	6	250	50	300	10	0	10	260	50	310
Scientific visit to farmers field	16	700	60	760	20	0	20	720	60	780
Farmers visit to KVK	35	750	40	890	30	5	35	780	45	825
Self Help Group Conveners Meetings	4	140	30	170	10	0	10	150	30	180
Animal Health Camp	2	350	35	385	20	5	25	370	40	410
Total	125	3780	380	4160	235	45	280	4015	425	4440

3.5 Target for Production and supply of Technological Products (2023-24)

Seed Materials

Crop	Variety*	Qty Targeted (q)	Distributed to the farmers (Nos.)
Paddy	Pant-12	50	Seed sent to University
Wheat	DBW-17	110	Seed sent to University
Til	Pragati	10	Seed sent to University
Mustard	Pitambari	10	Seed sent to University
Urd	Shekhar-1	10	Seed sent to University
Gram	Avarodhi	10	Seed sent to University
Total		200	

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Distribution to the farmers (Nos.)
FRUITS	Papaya	Pusa Dwarf	600	40
	Aonla	Narendra Aonla-7	200	20
	Lemon	Kagji	200	20
	Beal	CISH B-1	100	10
	Guava	Lalit, Allahabad Sfeda	200	20
SPICES				
VEGETABLES				
	Tomato	NS-585, Arka Rakshak	5000	50
	Brinjal	T-3	4000	40
	Cauliflower	NS-133	2000	20
	Broccoli	Aria	1000	20
	Capsicum	US-1147	1000	20
	Chilli	Azad Chili-1	4000	40
FOREST SPECIES				

	Teak	-	2000	40
ORNAMENTAL CROPS	Rose	Kalkatiya	500	50
	Crotan	-	200	20
		Total	21000	410

Bio-products

SI. No.	Product Name	Species	Quantity	
			No	(kg)
BIO FERTILIZER				
1.	Vermi Compost	-	-	250
2.	Nadep Compost	-	-	250

LIVESTOCK

SI. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle	-	-	-	-
GOAT	-	-	-	-
SHEEP	-	-	-	-
POULTRY	Broiler	White leg horn	50	-
Pig farming	-	-	-	-
FISHERIES	-	-	-	-
	-	-	-	-

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.	Topic	Number	No. of Journal/ Literature
1	Research Papers	4	4
2	Technical Reports	2	
3	News Letter	-	-
4	Training manual all discipline	1	1
5	Popular articles	10	4
6	Extension literature	8	8
	TOTAL	25	17

(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	PMFBY	1

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

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
 - i) Social economic
 - ii) Bio-Physical
- f. Good Action Photographs

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

a) Lesson Plan

Rural Youth

a) Demonstration

In-service personnel

a) Lesson Plan

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT : PRA/Field level observations/ Farmer group discussions

For FLD : New variety/technology/ Poor yield at farmers level/ Existing cropping system.

3.10 Field activities

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

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1.Year of establishment : 2006

2.List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	All equipment needed for soil lab	-	100000.00

3.Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	1000	3500	15	-
Water	-	-	-	-
Plant	-	-	-	-
Total	1000	3500	15	-

4. Linkages

4.1 Functional linkage with different organization

S.No.	Name of Organization	Nature of Linkages
1.	State Department of Agriculture	Joint Diagnostic Survey, Participation in meeting, Conduction training programme, joint Implementation
2.	Uttar Pradesh Sodic Land Development Corporation (UPLDC)	Participation in meeting., conducting training programme, joint Implementation
3.	State Department of Horticulture	Participation in meeting, Conducting training programme
4.	State Department of Forest	Participation in Van Mahotsava and environment day
5.	State Department of Animal Husbandry	Animal vaccination & artificial insemination camps
6.	Water Sector Restructuring Project (WSRP)	Participation in meeting, conducting training programme,
7.	District Rural Development Authority (DRDA)	Conducting Training Programme Contribution received for infra-structural development
8.	Kshetriya Gramya Vikas Sansthan	Participation in meeting, Conduction training Programme
9.	Jila Vigyan Club	Conducting training Programme
10.	Allahabad Bank	Conducting training Programme
11.	KRIBHKO/IFFCO/IFFDC	Participation in Training
12.	District cane department	Participation in Training
13.	Department of fisheries	Training and Exhibition

4.2.Details of linkage with ATMA

a. Is ATMA implemented in your district : Yes

S.No.	Programme	Nature of Linkages	Remark
1.	Training Programme	Participation in meeting, Conducting trailing programme of department horticulture, Agriculture, Animal Husbandry, Fisheries, Jial Vigyan Club, Allahabad Bank, KRIBHKO, IFFCO, CANE Department and Department of Forest.	-

2.	AES (Agro-Ecological Situation)	Irrigated	-
3.	Front line Demonstration (FLD)	Advised to farmers.	-

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Training Programmes	Training as expert
2	Farmers Fair	Lecture delivered

4.4 Nature of linkage with National Fisheries Development Board : Participation in Training Programmes.

5.0 Utilization of Hostel facilities

Months	No. of Programmes	Trainee days (days stayed)
-	-	-

6.0 Convergence with departments : Good

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

8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities : Interactive and good.

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 (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	Target achieved in Til and Moong	-
	ii. Rabi season	Target achieved in Chickpea, Lenti and Mustard	-
	iii. Summer season		
4	CSISA Project		
5	NICRA Project		
6	Soil Health Card	1500 Cards distributed	
7	Other (please specify)		
	Total		

TRAINING PROGRAMMES

(1). Farmers and Farm Women

Crop Production (On Campus January-December, 2023)

Date	Clientele	Title of the training program	Duration in days	Numbers of Participants			Number of SC/ST			G. Total
				M	F	Tot.	M	F	Tot.	
04-05.01.23	P.F.	Cultivation techniques of Summer Pulses	1	15	-	15	5	-	5	20
07-08.01.23	P.F.	NADEP Composting	1	10	-	10	5	-	5	15
20-21.01.23	P.F.	Role of Seed treatment in <i>Kharif</i> Urd	1	10	-	10	5	-	5	15
02-03.02.23	P.F.	Inter-cropping tech. of <i>kharif</i> pulses & oilseeds.	1	10	-	10	5	-	5	15
10-11.02.23	P.F.	Pod borer control in pigeonpea	1	10	-	10	5	-	5	15
17-18.02.23	P.F.	Disease and Insect management in G.nut	1	10	-	10	5	-	5	15
05-06.03.23	P.F.	Disease and Insect management in <i>Kharif</i> Pulses	1	10	-	10	5	-	5	15
20-21.08.23	P.F.	INM in Rabi Oilseed and Pulses	1	10	-	10	5	-	5	15
07-08.09.23	P.F.	Production tech. of <i>Rabi</i> Pulses.	1	10	-	10	5	-	5	15
26-27.11.23	P.F.	Weed control in <i>Rabi</i> Pulses	1	10	-	10	5	-	5	15
15-16.12.23	P.F.	Disease and Insect Management of <i>Rabi</i> Pulses.	1	10	-	10	5	-	5	15
23-24.12.23	P.F.	Post Harvest management in <i>Rabi</i> Pulses	1	10	-	10	5	-	5	15
		Total	12	125	-	125	60	-	60	185

Crop Production (On Campus January-December, 2023)

Date	Clientele	Title of the training program	Duration in days	Numbers of Participants			Number of SC/ST			G. Total
				M	F	Tot.	M	F	Tot.	
04-05.05.23	P.F.	Mat dapog method of raising rice nursery.	2	18	5	23	2	2	4	27
17-18.05.23	P.F.	Techniques of system of rice intensification.	2	20	5	25	2	2	4	29
15-16.06.23	P.F.	Integrated nutrient management in translated rice.	2	22	3	25	2	2	4	29
21-22.06.23	P.F.	Weed management through herbicide in transplanted rice.	2	20	3	23	2	2	4	27
15.16.07.23	P.F.	Intensification of fodder production system	2	21	4	25	2	2	4	29
29-30.11.23	P.F.	Integrated nutrient management in translated Wheat.	2	21	4	25	2	2	4	29
07-08.12.23	P.F.	Zero tillage tech. of wheat cultivation.	2	22	2	24	2	2	4	28
		Total	14	144	26	170	14	14	28	198

Crop Production (Off Campus January-December, 2023)

Date	Clientele	Title of the training program	Duration in days	Numbers of Participants			Number of SC/ST			G. Total
				M	F	Tot.	M	F	Tot.	
15-16.02.23	P.F.	Cultivation techniques of summer Urd	1	20	-	20	5	5	10	30
23-24.02.23	P.F.	Post harvest management techniques of Summer urd and moong	1	20	-	20	5	5	10	30
03-04.06.23	P.F.	Improved cultivation techniques of early pigeonpea	1	20	-	20	5	5	10	30
28-29.06.23	P.F.	Improved cultivation techniques of Sesame	1	20	-	20	5	5	10	30
05-06.07.23	P.F.	Improved cultivation techniques of Urdbean	1	20	-	20	5	5	10	30
12-13.07.23	P.F.	Improved cultivation techniques of Groundnut	1	20	-	20	5	5	10	30
09-10.08.23	P.F.	Weed control in urd	1	20	-	20	5	5	10	30
07-08.09.23	P.F.	IPM in Urd	1	20	-	20	5	5	10	30
13-14.09.23	P.F.	Improved cultivation techniques of Toria	1	18	5	23	2	2	4	27
11-12.10.23	P.F.	Importance of seed treatment in Rabi Pulses	1	20	-	20	5	5	10	30
07-08.10.23	P.F.	Improved cultivation techniques of Mustard	1	20	-	20	5	5	10	30
12-13.10.23	P.F.	Improved cultivation techniques of Pea	1	20	-	20	5	5	10	30
09-10.11.23	P.F.	Improved cultivation techniques of chickpea	1	20	-	20	5	5	10	30
15-16.12.23	P.F.	IPM in Chickpea	1	20	-	20	5	5	10	30
08-09.12.23	P.F.	Disease and Pest Control in Mustard	1	20	-	20	5	5	10	30
08-09.12.23	P.F.	Importance of PPV & FR	1	20	-	20	5	5	10	30
21-22.12.23	P.F.	Post Harvest Management of Rabi pulses	1	20	-	20	5	5	10	30
		Total	17	338	-	343	82	82	164	507

Crop Production (On Campus January-December, 2023)

Date	Clientele	Title of the training program	Duration in days	Numbers of Participants			Number of SC/ST			G. Total
				M	F	Tot.	M	F	Tot.	
26.04.23	P.F.	Sodic land reclamation technology	1	20	3	23	2	3	5	28
27.05.23	P.F.	Production technology of direct seeded rice	1	21	2	23	2	2	4	27
04.06.23	P.F.	Mat dapog method of raising rice nursery	1	23	2	25	2	4	6	31
07.06.23	P.F.	System of rice intensification.	1	21	3	24	2	1	3	27
11.11.23	P.F.	Intercropping tech. wheat and rapeseed.	1	20	5	25	2	2	4	29
15.11.23	P.F.	Production techniques of nadep	1	22	3	25	2	2	4	29
22.11.23	P.F.	Technique for increasing nutrient use efficiency in wheat.	1	20	3	23	2	2	4	27
05.02.24	P.F.	Production techniques of vermicompost	1	18	2	20	2	2	4	24
		Total	8	165	23	188	16	18	34	222

Horticulture (On Campus January-December, 2023)

Date	Clientele	Title of the training program	Duration in days	Numbers of Participants			Number of SC/ST			G. Total
				M	F	Tot.	M	F	Tot.	

02.04.23	P.F.	Nursery raising tech. of Papaya and plantation technology.	2	20	8	28	5	3	8	36
23.05.23	P.F.	Post harvest management of fruits of mango and their marketing.	2	22	5	27	5	2	7	34
10.06.23	P.F.	Production tech. of Chilli and Tomato.	2	20	5	25	5	2	7	32
25.06.23	P.F.	Nursery raising tech. of vegetable of crop.	2	20	3	23	2	1	3	26
10.07.23	P.F.	Dragon Fruit cultivation tech. and their marketing management.	2	22	5	25	3	2	5	30
06.10.23	P.F.	Cultivation of Pea.	2	21	2	23	4	5	9	32
20.10.23	P.F.	Plantation tech. of chili plants.	2	20	4	24	2	3	5	29
05.11.23	P.F.	Production tech. of cabbage and their marketing.	2	22	3	25	4	6	10	35
22.11.23	P.F.	Production tech. of potato.	2	21	2	23	5	2	7	30
08.12.23	P.F.	Vegetable cultivation tech.	2	19	5	24	3	3	6	30
15.12.23	P.F.	Raising of Water Melon nursery.	2	20	2	22	2	4	6	28
20.12.23	P.F.	Rejuvenation of old orchard.	2	22	3	25	2	3	5	30
24.12.23	P.F.	Production of marketing of high value vegetables.	2	19	2	21	3	2	5	26
13.03.24	P.F.	Sowing tech. of Sponge gourd	2	20	4	24	2	4	6	30
17.03.24	P.F.	Stolon treatment & sowing tech. of Shatawar.	2	20	3	23	3	2	5	28
		Total	30	308	56	362	50	44	94	456

Horticulture (Off Campus January-December, 2023)

Date	Client ele	Title of the training program	Durati on in days	Numbers of Parti-cipants			Number of SC/ST			G. Total
				M	F	Tot.	M	F	Tot.	
18.05.23	P.F.	Production Tech. in Banana.	1	22	3	25	4	2	6	31
24.06.23	P.F.	Management of new orchard	1	20	2	22	5	2	7	29
12.08.23	P.F.	Nursery management of Medicinal Plants.	1	23	1	24	4	1	5	29
18.10.23	P.F.	Cultivation tech. of Potato and their marketing	1	24	2	26	3	1	4	30
01.11.23	P.F.	Production tech. of Tomato.	1	23	1	24	6	1	7	31
10.11.23	P.F.	Fertilizer management in Fruit Plants.	1	20	2	22	2	1	3	25
04.12.23	P.F.	Mentha production technology	1	19	4	23	4	3	7	30
		Total	7	151	15	166	28	11	39	236

Animal Science (On Campus January-December, 2023)

Date	Clientele	Title of the training program	Durati on in days	Numbers of Parti-cipants			Number of SC/ST			G. Total
				M	F	Tot.	M	F	To t	
07-08.04.23	P.F.	Symptom prevention and control of bloat in animals.	2	21	8	29	4	3	7	36
12-13.06.23	P.F.	Symptom prevention and control of foot and mouth disease.	2	20	5	25	3	1	4	29
23-24. 8.23	P.F.	Care and management of milch animals.	2	18	5	23	2	2	4	27
28-29. 09.23	P.F.	Control of diarrhea in animals.	2	20	5	25	3	3	6	31
06-07.11.23	P.F.	Wheat straw treatment with urea and molasses.	2	21	4	25	3	2	5	30

21-22.11.23	P.F.	Management of supplementary feed for fish	2	22	2	24	4	2	6	30
12-13.12.23	P.F.	Preparation of balance feed for milch animals	2	22	3	25	3	1	4	29
27-28.12.23	P.F.	Care and management of pregnant animals.	2	23	2	25	3	2	5	30
30-31.12.23	P. F.	Control of diarrhea by mercogyl bolus	2	22	2	24	5	1	6	30
		Total	18	189	36	225	30	17	47	272

Animal Science (On Campus January-December, 2023)

Date	Clientele	Title of the training program	Duration in days	Numbers of Participants			Number of SC/ST			G. Total
				M	F	Tot.	M	F	Tot.	
11-12.04.23	P.F.	Control of external parasite in animals	1	21	3	24	4	2	6	30
18-19.07.23	P.F.	Symptom prevention and control of foot and mouth disease.	1	22	2	24	2	2	4	28
01-02.09.23	P.F.	Preparation of paneer	1	21	4	25	2	3	5	30
10.11.23	P.F.	Control of external parasite in animals	1	21	3	24	4	2	6	30
19.11.23	P.F.	Symptom prevention and control of foot and mouth disease.	1	22	2	24	2	2	4	28
02-03.11.23	P.F.	Preparation of paneer	1	21	4	25	2	3	5	30
10-11.1.23	P. F.	Control of Internal parasites through deforming	1	25	4	29	2	1	3	32
		Total	7	153	22	175	18	15	33	208

Home Science (On Campus January-December, 2023)

Date	Clientele	Title of the training program	Duration in days	Numbers of Participants			Number of SC/ST			G. Total
				M	F	Tot.	M	F	Tot.	
21.05.23	Farm women	Management of nutritional/kitchen gardening	2	-	21	21	-	2	2	23
06.06.23	Farm women	Designing and development of high nutrient efficiency diet.	2	-	20	20	-	3	3	23
07.09.23	Farm women	Preparation of high protein rich diet for school going children.	2	-	23	23	-	4	4	27
10.10.23	Farm women	Household food security by kitchen gardening. (Veg. & fruits)	1	-	20	20	-	2	2	22
28.11.23	Farm women	Designing and development of high nutrient efficiency diet.	1	-	22	22	-	1	1	23
20.12.23	Farm women	Minimization of nutrition losses in processing of vegetables.	1	-	20	20	-	4	4	24
12.12.23	Farm Women	Gender mainstreaming through SHGs	1	-	21	21	-	2	2	23
16.12.23	Women	Value addition in rice.	1	-	23	23	-	3	3	26
17.12.23	Farm Women	Income generation activities for empowerment of rural women's	1	-	22	22	-	2	2	24
		Total	12	-	192	192	-	23	23	215

Home Science (On Campus January-December, 2023)

Date	Clientele	Title of the training program	Duration in days	Numbers of Participants			Number of SC/ST			G. Total
				M	F	Tot.	M	F	Tot.	
11.05.23	Farm women	Household food security by kitchen gardening. (Veg. & fruits)	1	-	20	20	-	2	2	22

15.06.23	Farm women	Prevention of malnutrition in childhood.	1	-	21	21	-	3	3	24
28.07.23	Farm women	Designing and development of high nutrient efficiency diet.	1	-	22	22	-	1	1	23
20.08.23	Farm women	Minimization of nutrition losses in processing of vegetables.	1	-	20	20	-	4	4	24
11.09.23	Farm Women	Gender mainstreaming through SHGs	1	-	21	21	-	2	2	23
15.10.23	Farm Women	Storage loss minimization techniques in pulses.	1	-	20	20	-	4	4	24
16.11.23	Farm Women	Value addition in rice.	1	-	23	23	-	3	3	26
08.11.23	Farm Women	Income generation activities for empowerment of rural women's	1	-	22	22	-	2	2	24
20.12.23	Farm Women	Location specific drudgery reduction technologies.	1	-	24	24	-	1	1	25
		Total	9	-	193	193	-	22	22	215

(2) Vocational Training Programmes for Rural Youth:

Crop production

Crop/ Enterprise	Identified thurst area	Training Title	Month	Duration in days	Numbers of Participants			Number of SC/ST			G.T.
					M	F	Tot.	M	F	Tot.	
Urd	C.P.	Seed production technology of Urdbean	July 2023	2	10	-	10	10	-	10	20
Chickpea	C.P.	Seed production technology of Chickpea	December 2023	2	15	5	20	4	-	4	24
Organic inputs	Production of organic inputs	Production technique of vermin compost Nadep compost	February 2024	2	16	4	20	3	-	3	23

Crop production

Crop/ Enterprise	Identified thurst area	Training Title	Month	Duration in days	Numbers of Participants			Number of SC/ST			G.T.
					M	F	Tot.	M	F	Tot.	
Wheat	C.P.	Seed production technology of wheat.	August 2023	3	14	6	20	3	-	3	23
Organic inputs	Production of organic inputs	Production technique of vermin compost Nadep compst & CPP	September 2023	3	15	4	19	2	-	2	21
Rice	C.P.	Seed production tech. of rice.	January 2024	3	15	5	20	4	-	4	24
Organic inputs	Production of organic inputs	Production technique of vermin compost Nadep compst & CPP blue green algae.	February 2024	3	16	4	20	3	-	3	23

Horticulture

Crop/ Enterprise	Identified thurst area	Training Title	Month	Duration in days	Numbers of Participants			Number of SC/ST			G.T.
					M	F	Tot.	M	F	Tot.	
Fruit/ Vegetables	Nursery managemnt	Nursery management of ornamental. Vegetable & Fruit Plants	June 2023	3	14	6	20	1	1	2	22
Fruit/ Vegetables	Fruit/ Vegetables production	Production tech. of fruit and vegetables	September 2023	3	15	6	21	4	1	5	26

Animals Science

Crop/ Enterprise	Identified thrust area	Training Title	Month	Duration in days	Numbers of Participants			Number of SC/ST			G.T.
					M	F	Tot.	M	F	Tot.	
Dairy	R.Y.	Preparation of milk Products	April 2023	2	15	5	20	2	1	3	23
A.H.	R.Y.	Animal Vaccination	August 2023	1	16	6	22	3	1	4	26

Home Science

Crop/ Enterprise	Identified thrust area	Training Title	Month	Duration in days	Numbers of Participants			Number of SC/ST			G.T.
					M	F	Tot.	M	F	Tot.	
Post harvest tech.	R.Y.	Making of pickles Jam, Jalli and Murabba	June 2023	2	-	22	22	-	3	3	25
Value add	R.Y.	Tailoring and handicrafts	Sept.2023	6	-	22	22	-	5	5	27

(3). Training program for extension functionaries

Date	Clientele	Title of the training program	Duration in days	Numbers of Participants			Number of SC/ST			G.T.
				M	F	Tot.	M	F	Tot.	
14-15.6.22	Ext. fun	Productivity enhance in paddy	2	35	5	40	6	4	10	50
15-16.7.22	Ext. fun	Improved Cultivation Techniques of <i>Khairif</i> Pulses	2	10	-	12	10	-	10	32
15-16.12.22	Ext. fun	Improved Cultivation tech. of RabiPulses	2	10	-	12	10	-	10	32
28-29.9.22	Ext. fun	Productivity enhance in wheat	2	40	10	50	8	-	8	58
10-12. 10.22	Ext. fun	IMP in wheat	2	38	2	40	3	-	3	43
11-13. 10.22	Ext. fun	Rejuvenation of Ber & Aonla	2	32	8	40	4	-	4	44
05.10.22	Ext. fun	Formation and mgt. of SHGs	2	36	4	40	3	-	3	43
10-11.7.22	Ext. fun	Care & management of milch animals	2	32	8	40	2	-	2	42
15-16.7.22	Ext. fun	Deworming in animals	2	30	10	40	5	-	5	45
02-03.8.22	Ext. fun	Prod. And use of organic inputs	2	35	5	40	4	-	4	44
14-15.10.22	Ext. fun	Gender mainstreaming through SHGs	2	-	40	40	5	-	5	45

(4). Sponsored Programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programme											
-	-	-	-	2	700	50	750	200	50	250	1000
			Total	2	700	50	750	200	50	250	1000
b) Sponsored research programme											
-	-	-	-	-	-	-	-	-	-	-	-
			Total	0	0	0	0	0	0	0	0
c) Any special programmes											
-	-	-	-	-	-	-	-	-	-	-	-
			Total	0	0	0	0	0	0	0	0

ACTION PLAN

KVK FATEHPUR

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

INTRODUCTION

About 58 percent Indian population is directly or indirectly engaged in agriculture and allied activities. Agriculture is actually the life line of Indian masses. But, during last few years we have seen that agriculture production has almost reached to the plateau and the contribution of agriculture and allied activities is gradually declining and reached to 13.9 percent in 2011-12 from 55.40 percent in 1950-51, agriculture yet forms the backbone of development and is the backbone of agro-based industries and the Krishi Vigyan Kendra, Fatehpur under umbrella of prestigious CSAUA&T Kanpur is contributing for the rural mass since 1989.

An average Indian still spends more than half of his/her total expenditure on food, while roughly half of India's work force is still engaged in agriculture for its livelihood. Being both a source of livelihood and food security for a vast majority of low income, poor and vulnerable sections of society, its performance assumes greater significance. Through the update modern agricultural technologies and as the result of **Green revolution**, India has moved from an era of chronic food shortage and “**begging bowl**” status to **food self sufficiency** and even potential **food exporter** status. In the oilseed sector, there has been a quantum jump ushering in **Yellow revolution**, resulting in to about 20 mt. oilseed production. The dairy sector has like-wise witnessed **White revolution**. In inland fisheries, also we have made an unprecedented growth due to **Blue revolution**.

At the same time, issues like arresting the decreasing factor productivity and improving resource use efficiency have become quite important. Still we have challenges of ecological access to food and higher profit to the farmers at sustained basis. From independence to 1977, **physical access** to food was most important, from 1977 till the end of 20th century, **economic access** was more important while in 21st century **ecological access** to food might be the most important challenge owing to damage caused to land, water, flora, fauna and atmosphere. Since, the pressure on available limited soil resource can only increase with time, effective and rational use of soil will be core strategy to increase future productivity on a sustainable basis. Water, a precious gift of nature to the mankind, will be a scarce resource in future and good quality water will be available lesser and lesser for agriculture. Hence, water-use efficiency and on farm conservation of water become a key issue for our immediate attention. Also, strategies and technologies which could minimize the use of agro-chemicals like fertilizers and pesticides should be put on priority.

Insuring food security on sustained basis may remain an unaccomplished dream unless the “development is without deterioration”. The concern that should receive our priority attention include soil degradation, water crises, genetic erosion, biotic and abiotic stresses, slow pace of diversification, high post harvest losses and arresting environmental pollution through the use of organic/ bio-products.

An effective transfer of technology is as important as its generation. In an “**Information Technology age**,” the role of appropriate information package and its proper dissemination is equally important. It is not enough to generate information but also to see that required information is delivered to the end users at the earliest and with least dissemination losses. In the area of technology assessment, refinement and transfer, the role of KVK have been applauded. Fatehpur KVK has been making its humble contribution through its various programmes and activities for improving agricultural production and providing self-employment in agriculture and allied sectors, from its very inception. With the collaboration of line departments of the district viz Department of Agriculture, Horticulture, Animal Husbandry DRDA, RSETI Bank of Baroda etc., it is hoped to contribute much more effectively in the process of transformation of agriculture and allied sectors of the district in the coming years.

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone no, fax and e-mail

Address	Telephone		E. mail	Website
	Office	FAX		
Krishi Vigyan Kendra, Thariaon, Fatehpur	05180 - 242214	-	kvkfatehpur@rediffmail.com kvkfatehpur@gmail.com	Fatehpur.kvk4.in

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

Address	Telephone		E. mail	Web site
	Office	FAX		
C.S.A.U.A & T. Kanpur	0512 2534155		Directcsau@gmail.com	www.csauk.in

1.2.b. Status of KVK website : Yes/No Yes

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









1.2.d Status of ICT lab at your KVK : To be developed






1.3. Name of the Programme Coordinator/Incharge Officer with phone & mobile No

Name	Telephone / Contact		
	Office	Mobile	E.mail
Dr.A.K.Singh	-	9415273141, 8448316668	kvkfatehpur@rediffmail.com aksinghcsaut@gmail.com

1.4. Year of sanction (as per MOU) : 1989

1.5 . Staff Position

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/ Sr.Scientist	Dr.A.K.Singh	Scientist	Horticulture	144200-218200	Level 14	199600	5.10.2020	Permanent	OBC	9415273141	aksinghcsaut@gmail.com	
2	Scientist	Smt. Sadhna Vaish	Scientist	Home Science	79800-211500	Level 12	110400	26.11.2001	Permanent	Other	9415485366	Sadhanavaish1403@gmail.com	
3	Scientist	Dr. Naushad Alam	Scientist	Agri. Ext	79800-211500	Level 12	104100	29.11.2001	Permanent	OBC	9415631900	Naushad_alam168@yahoo.com	
4	Scientist	Dr. Jitendra Singh	Scientist	Agronomy	79800-211500	Level 12	104100	29.11.2004	Permanent	Other	7318569732	dr.jitendrasinghkv@gmail.com	
5	Scientist	Dr. Jagdish Kishore	Scientist	Plant Protection	79800-211500	Level 12	107200	29.11.2004	Permanent	OBC	6393835201	kvkfatehpur@gmail.com	
6	Scientist	Dr. Sanjay Pandey	Scientist	Animal Science	79800-211500	Level 12	98200	29.11.2004	Permanent	Other	9653015834	Drskpandey3010@gmail.com	
7	Scientist	Dr. Prithavi Pal	Scientist	Horticulture	79800-211500	Level 12	101100		Permanent	SC	7054616364	Drprithvipal1970@gmail.com	
8	Computer Programmer	Mr. Ghanshyam	Computer Programmer	Computer Science	47600-151100	Level 8	72100	27.09.2001	Permanent	SC	9369853385	Gh_mailbox@rediffmail.com	

9	Programme Assitant												
10	Accountant / O.S.	Vacant											
11	Jr.Stenographer/Comp. Operator	Mr.Shailendra Bajpai	CO/Jr.Steno	Office	35400-112400	Level 6	41600	19.05.2007	Permanent	Other	8707564701	kvkfatehpur@gmail.com	
12	Driver	Mr.Vishwanath	Jeep Driver	Driver	25500-81100	Level 4	35300	02.12.2005	Permanent	OBC	9453534023	kvkfatehpur@gmail.com	
13	Driver	Mr. Rakesh Kumar	Tractor Driver	Driver	25500-81100	Level 4	35300	02.12.2005	Permanent	OBC	8423579036	kvkfatehpur@gmail.com	
14	Supporting staff	Mr.Lal Ji	Messenger	Messenger	25500-81100	Level 4	36400	25.11.1992	Permanent	SC		kvkfatehpur@gmail.com	
15	Supporting staff	Mr.Ramesh	Messenger	Messenger	19900-63200	Level 2	31100	02.12.2005	Permanent	OBC	8115309570	kvkfatehpur@gmail.com	

1.6.Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.00
2.	Under Demonstration Units	1.50
3.	Under Crops	8.50
4.	Orchard/Agro-forestry	2.50
5.	Under Fodders	0.40
5.	Others	0.40
	Total	14.30

1.7.Infrastructure Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage						Required New	Need Renovation	
			Complete			Incomplete					
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction			
1.	Administrative Building	ICAR		550					Complete		Yes
2.	Farmers Hostel	ICAR						300	Complete		Yes
3.	Staff Quarters (2)	ICAR		400							Yes
4.	Demonstration Units (2)	ICAR							-		Yes
5	Fencing	ICAR			150000	.01.01.07			Complete	Yes	
6	Rain Water harvesting system	-	-	-	-	-	-	-	-	Yes	
7	Threshing floor	-	-	-	-	-	-	-	-	Yes	
8	Farm godown	ICAR	Completed	-	200000	18.01.07	-			Yes	
9	Seed Processing Unit Under Seed hub	ICAR			3400000.00				Completed	No	No

B) Vehicles

Vehicle Type	Year of purch.	Cost (Rs.)	Total kms. Run	Present status	Required Replacement
Bolero	2009	4.56	More than 95000	Good running condition	Yes
Motor cycle(2)	1990	.60	More than 80 thousand	Condemned condition	Yes
Tractor	1989	2.00	More than 80 thousand hrs.	Condemned condition	Yes

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status	Req.replacement
Computer (HCL model) with accessories	2007	1.20	Not Working	Yes
Xerox Machine	2007	68000	Not Working	Yes
LCD Projector	2007	32000	Working Condition	
Thresher, Cultivator Harrow	2007	86000	Working Condition	Yes
Bio Metric, Laptop and UPS	2014	56000	Working Condition	Yes
2 Set Desktop Computer with One Printer	2019	1.29	Working Condition	No

1.8. A). Details SAC meeting to be conducted

Sl.No.	Date
1. Scientific Advisory Committee	03 Feb, 2022

2. DETAILS OF DISTRICT - FATEHPUR**2.1 Major farming systems/enterprises (based on the analysis made by the KVK)**

S. No	Farming system/enterprise
1	AES III is most crop intensive. Rice-wheat, paddy-potato/chillies; wheat-sugarcane; etc are grown in this AES. In AES I, the mixed cropping combinations of jowar + arhar + moong, / urd + til is practiced. Fallow-gram / lentil is also grown in AES I. In AES IV, (affected with sodicity) mostly Rice-wheat is grown.
2	Potato & chillies are important vegetable crops grown in AES III & H in the cropping systems of dhaincha – potato moong -fallow; paddy-potato-moong; chillies-gram / wheat; etc.
3	Aonla & banana are new introductions grown along the river Gangs, now expanding to other areas also. The market support is good where grown in pockets.
4	Muskmelon & watermelon are grown in riverbeds. Sugarcane grown for juice purpose, growing buffalo heifers for sale; and gur making in Dhata are special components of the existing farming systems.
5	District lacks the high value agro forestry plantations and the existing plantations like Mahua, do not have technical & developmental support.

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

S. No	Agro-climatic Zone	Characteristics
1.	Central Plane Zone “V” of U.P.	District Fatehpur lies between the parallel of 35° 26' and 26° 16' north latitude & between 80° 14' and 81° 20' east longitude spreading about 104 km from west to east longitude ,and about 40 km from south to north. The district is characterized by semi-humid as per standard climatic classification. Average rainfall of the district is 904 mm(Normal)maximum temperature 42°C to 43°C & minimum temperature average goes up to 6°C, relative humidity of the district is 66, longitude's factor 34.28 and Mayer's (NS) quotient 104. The climate of the district could be described as semi arid.

Topography

S. No	Agro ecological situation	Characteristics
1	AES-1(Yamuna upland)	Developed from Yamuna alluvium partially mature Loamy sands to gravelly reddish brown to brownish reddish low soluble salts, neutral to alkaline with excessive drainage.
2	AES-2(Ganga Upland)	Developed from Ganga alluvium mature, sandy loam, yellowish brown to reddish brown, iron nodules, slightly acidic to neutral.
3	Ganga Yamuna Flats	Development from Ganga alluvium, nature, loam to clay loam, light yellowish average to very high soluble salts, Alkaline with adequate drainage.
4	Usar	Usar soils spread over on 12,624 ha in the district soil with sodicity

S. No	Soil type	Characteristics	Area in ha
1	Ganga Alluvium Recent Alluvium (Fatehpur Type-1)	Developed from Ganga alluvium, mature, loam, greyish brown to brown, Iron nodules and calcareous chert, loose, moderate high soluble salts, moderately alkaline and fairly drained. Respond to fertilizer application	Occurs on the banks of Ganga covering an area of 41,508 ha.

	b)Ganga Flats (Fatehpur type 2A Fatehpur type 2B).	Developed from Ganga alluvium mature, loam to clay loam, light yellowish brown to grayish brown, brown ferruginous mottling, hard below, average very high soluble salts, alkaline with adequate drainage slightly responds to fertilizer application.	Constitute 191588 ha. Of the district area
	(c) Ganga uplands Fatehpur type-3)	Developed from Ganga alluvium, mature, sandy loam, yellowish brown to reddish brown, Iron nodules below, loose, low soluble salts, slightly acidic to neutral, having excessive drainage, soils responsive to fertilizer treatment	Intensity of this type is limited to only 60420 ha.
	Ganga low lands Fatehpur Type-4)	Developed from Ganga alluvium, mature clay loam to clayey, grey brown, ferruginous mottling, hard and compact, low soluble salts slightly acidic to neutral imperfect drainage	Spread over Bindki and fatehpur,Kora of Khajuha block Tehsil. Total area is 42964 ha.
2	Yamuna Alluvium Khadar Uplands Fatehpur type-5) (Rakar)	Developed from Yamuna alluvium, partially mature, loamy sand to gravelly, reddish brown to concretions, loose, low soluble salts, neutral to alkaline with excessive drainage.	occupy an area of about 42,652 ha.
3	Yamuna flats (Fatehpur type 6A) (Parwa)	Developed from yamuna alluvium, mature sandy loam, dark grayish brown, ferruginous concretion, loose, low soluble salts, neutral to slightly alkaline with excessive drainage	Occupy an area of about 40932 ha
	Yamuna low lands. Fatehpur type 6B) (kabar)	Developed from yamuna alluvium, partially mature clay loam, light brownish gray to black, few kanker nodules, average soluble salts, moderately alkaline with imperfect drainage.	

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

S. No	Crop	Area (ha)	Production (mt)	Productivity (q /ha)
1	Paddy	80702	157046	19.46
2	Jowar	8214	5050	6.15
3	Urd	10683	3943	3.63
4	Moong	833	267	3.21
5	Arhar	16633	3325	2.00
6	Til	10049	799	1.79
7	Groundnut	209	181	8.66
8	Maize	227	404	17.80
9	Bazara	5161	3939	7.63
10	Wheat	172246	341436	19,60
11	Barley	3587	5222	14.56
12	Gram	41942	7657	1.83
13	Field Pea	2481	181	7.31
14	Lentil	807	129	1.60
15	Maize(Rabi)	49	117	23.88
16	Mustard	16818	9115	5.42
16	Linseed	12	69	5.75

2.5. Weather data

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January 2022	82.5	20	9	100	62
February 2022	0	25	10	99	38
March 2022	0	35	17	91	23
April 2022	1	42	22	64	9
May 2022	2.5	41	25	78	23
June 2022	53	41	28	76	29
July 2022	228	38	27	88	47
August 2022	88	36	26	94	52
September 2022					
October 2022					
November 2022					
December 2022					

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	6594	5-6 lt. / day	1500 - 1600 lt/lact.
<i>Indigenous</i>	325279	2.5-3.5 lt./day	450 – 500 lt/lact.
Buffalo	370961	4.5 – 5.5 lt./day	1300 – 1450 lt/lact.
Sheep			
<i>Crossbred</i>	081		
<i>Indigenous</i>	113493		
Goats	313087	0.5 – 1.5 lt/day	135 – 150 lt./lact
Pigs			
<i>Crossbred</i>	4381		
<i>Indigenous</i>	73808		
Rabbits	1222		
Poultry			
Hens			
<i>Desi</i>	53275	75 – 85 eggs	
<i>Improved</i>	12051	165 – 190 eggs	
Ducks	6390		
Turkey and others	016		
Category	Area	Production	Productivity
Fish			
<i>Marine</i>			
<i>Inland</i>			
Prawn			
Scampi			
Shrimp			

2.7 Details of Operational area / Villages (2022)

SN	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Khaga	Asothar	Datauli	Oilseed & Pulses	Low productivity and use of old variety	HYV & Use of Bio-Fertilizer

2	Khaga	Airyan	Katoghan	Oilseed & Pulses Garlic, Paddy & Wheat	Low productivity and use of old variety Sodic land imbalanced use of nutrients	HYV & Use of Bio-Fertilizer Sodic land reclamation & varietals assessment
3	Sadar	Bahua	Bhatpurawa	Oilseed & Pulses	Low productivity and use of old variety	HYV & Use of Bio-Fertilizer
4	Sadar	Bahua	Sakha	Oilseed & Pulses	Low productivity and use of old variety	HYV & Use of Bio-Fertilizer
5	Sadar	Haswa	Kusumbhi	Oilseed & Pulses	Low productivity and use of old variety	HYV & Use of Bio-Fertilizer
6	Sadar	Haswa	Thariaon Bharatpur	Oilseed & Pulses	Low productivity and use of old variety	HYV & Use of Bio-Fertilizer
7	Sadar	Bahua	Jukuru	Oilseed & Pulses	Low productivity and use of old variety	HYV & Use of Bio-Fertilizer
8	Sadar	Haswa	Saton Joga	Oilseed & Pulses	Low productivity and use of old variety	HYV & Use of Bio-Fertilizer
9	Sadar	Haswa	Musaipur	Paddy, Wheat, Moong	Seed replacement of Old varieties is low, Sodic soils facilities	Sodic land reclamation & varietals assessment
10	Khaga	Airyan	Chitauli	Paddy, Wheat, Gram, Onion, Potato, Fodder	marginal farmers	IPNM & Varietals assessment, Organic Farming
11	Sadar	Hanswa	Sarki	Seed production of Gram & Wheat	Limited irrigation facilities	Weed management seed production village
12	Sadar	Hanswa	Jai Singhpur	Wheat, Pea, Onion, Garlic	Imbalanced use of nutrients	INM & organic farming
13	Sadar	Haswa	Texari	Paddy, Wheat, Live Stock	Seed replacement of Old varieties is low, limited irrigation facilities	Organic Farming, Kitchen Garden, Flori culture
15	Khaga	Airyan	Sujanipur	Garlic, Paddy, Wheat & Live stock	Imbalanced use of nutrients	Organic floriculture, goatery & varietals assessment
16	Bindki	Malwan	Kunwarapur	Paddy, Wheat, Bajra & Arhar	Rainfed as well as water logged area	Organic village
17	Khaga	Vijaipur	Peri	Paddy, Wheat, garlic, onion	Imbalanced use of fertilizers	INM & organic farming
18	Khaga	Hathgaon	PattiShah	Wheat, Garlic, Banana	Old varieties	New HYV varieties
19	Sadar	Hanswa	Satonjoga	Mustard wheat, & gram	Unavailability of seed	Seed production of wheat
20	Bindki	Malwan	Mauhar	Paddy Wheat & Pulses	Poor marginal farmers	IPNM & Varietal assessment
21	Sadar	Bhitaura	Karamchandpur, Sanda	Paddy, Wheat Livestock, Horticulture crop	Old varieties, low seed replacement, lack of fodder seeds	HYV and Organic farming
22	Sadar	Teliyani	Bastapur	Paddy vegetables &	Lack of quality seeds	New variety & paddy SRI

23	Khaga	Asothar	Kandhia	Mustard wheat, & gram	Unavailability of seed	Seed production of gram
24	Sadar	Shah Bahua	Bahua	Pulses & Fodder	Low production, low cropping intensity, no use of bio fertilizer	Use of bio fertilizer, line sowing, time of sowing

2.8 Priority thrust areas

S.N.	Crop/Enterprise	Thrust area
1	Rice	Popularization of Integrated pest (IPM) and nutrient management (IPNM) in paddy crops
2	Rice	Popularization of Integrated weeds (IWM) and Integrated Disease management (IDM) in paddy crops.
3	Wheat	Introduction of HYV and popularization of INM, IWM and IDM
4	Kharif, Rabi and Zaid Pulses	Introduction of improved cultivars and production technologies of pulses (pigeonpea, Chickpea, urd, moong).
5	Kharif and Rabi oilseeds	Introduction of improved cultivars and production technologies of oilseeds.
6	Fodder Crops	Production enhancement and conservation of green fodder for livestock for round year availability.
7	Empowerment	Empowerment of rural women and rural youths through SHGs and long term vocational trainings.
8	Value Addition	Enhancement in income of rural women through income generating activities like fruit preservation, value addition, rural craft etc.
9	Organic Farming & Natural Farming	Popularization of organic farming amongst the farmers through inclusion of Green Manuring, Vermi compost, Construction of Nadep Pit in Aspirational Villages, Bio-fertilizers, Biopesticides, etc.
10	Introduction of HYV seeds, seed replacement	Introduction of latest HYV seeds of major crops of the district and enhancing seed replacement rate and seed production at farmers' fields through seed hub and CFLD programme.
11	Horticulture crops for sodic land	Establishment of Aonla and Ber orchards in sodic lands and inter-cropping of turmeric in orchards.
12	Self employment, Cultivation of flowers & Establishment of live stock unit	Promotion of income generating activities for self employment of rural youths like establishment of mushroom unit, protected cultivation of flowers.
13	Banana cultivation	Popularization of Tissue culture Banana cultivation with micro irrigation
14	Kharif Onion	Popularization of improved technology and high yielding variety of kharif onion for higher returns
15	INM in field crops	Popularization of balanced fertilizer application on soil test basis.
16	Live Stock	Local breed up gradation through A.I. in cattle and buffaloes and breed improvement for goats.

3. TECHNICAL PROGRAMME

3.A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
12	50	200	500

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2000	200	6000

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples analyzed (Nos.)	Development of Soil Health Cards (Nos.)
(5)	(6)	(7)	(8)	
200	20000		500	500

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	Training for extension personnel	Extension activities	Supply of seeds, planting materials etc.
1.	Sustainable development	Paddy, Pigeon pea, Urd, Moong, Sesamum, Groundnut, Soil health	Low productivity of crops	INM, IPM and IWM	Nutrient management Bio-fertilizer, weed management	Irrigation management, weed management, land reclamation , nursery raising green manuring	INM for sustainable farming	Field day, Gosthi, Group discussion, Exhibition, News paper coverage , visit to farmers field etc	Seed , Bio-fertilizer, Herbicides
2.	HYV of crops	Paddy, Pigeon pea, Urd, Moong, Sesamum, Groundnut, chick pea	Low productivity of crops	-	Improved varieties/ HYV	Production technologies for oil seed and pulses	-	Field day, Gosthi, Group discussion, Exhibition, News paper coverage , visit to farmers field	Seed
3.	Employment generation	Organic inputs	Youth migration	-	-	Vocational training on organic inputs	-	Gosthi. Camp & Group discussion	Worms, CPP,NAD EP preparation

4.	Human capital development	Seed grower group and farmer association	Poor human capital in rural area	-	-	Formation and management of group and association	-	Gosthi. Camp & Group discussion	Study material
5	Animal Science	Live stock	Low milk yield in cattle and buffaloes	-	Green fodder production	Fodder production in <i>Kharif, Rabi & Zaid</i>	-	Demo and Filed day	Quality seeds & seed treatment
6	Animal Science	Live stock	High mortality in kids, lambs and calves	Deworming in Kids	Timely deworming in kids, lambs and calves	Care & management of young calves, sheep lambs and kids	-	Demo and Field day	Dewormers
7	Home Science	Preservation	Perishability of Veg.	Preservation of Veg.	Preservation of Fruits & Veg.	Preservation of Fruits & Veg. for food security	-	Demo	Allum, and Preservatives
8	Home Science	Preservation	Poor quality of Banana chips	-	Preservation of Banana	Increase the keeping quality of banana chips/flakes	-	Demo	Allum and preservatives
9	Home Science	Kitchen Garden	Poor nutritional status	-	Nutritional kitchen garden	Increase the nutritional status of farmers family	-	Demo	Seed

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	01	01			01					03
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management			01							01
Integrated Farming System	01									01
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value										

addition										
Integrated Pest Management										
Integrated Disease Management			01		01				01	03
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL										

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	1	1								02
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management			1			1				02
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology	1									01
Integrated Pest Management										
Integrated Disease Management	1				02					3
Safe storage of grains										
Small Scale income generating enterprises								01		01
TOTAL	2		6		02			01		11

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	01			01				02
Disease of Management	01			01				02
Value Addition								
Production and Management								
Feed and Fodder	01			01				02
Small Scale income generating enterprises								
TOTAL	03			03				06

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	01							01
Disease of Management	01							01
Value Addition								
Production and Management								
Feed and Fodder	01							01
Small Scale income generating enterprises								
TOTAL	03							03

B.ON FARM TESTINGS (OFTs)

OFT – 1: Crop Production

1	Crop/Enterprise	Smaller millets
2	Title of on-farm trials	Assessment of smaller millets in Paddy-Wheat cropping system
3	Problem diagnosed	No knowledge and awareness about smaller millets
4	Farming situation	Limited Irrigation
5	Production system and thematic area	Rice-Wheat cropping system
6	Details of technologies selected for assessment / refinement	
	Treatment	T₁ : Farmers practice (Paddy, Maize and Bajara)
		T₂ : Kodo Millet
		T₃ : Branyard Millet
		T₄ : Proso Millet
		T₅ : Little Millet
		T₆ : Finger Millet
		T₇ : Foxtail Millet
7	Source of technology	CSA, Kanpur
8	No. of Farmers	07
9	Critical input	Seed
10	Performance Indication	
	Technical	1 . Yield (q/ha)
		2 . C:B Ration
		3 . Adoption of assured variety
	Economic	1. Cost of cultivation (Rs./ha)

	Social	2. Net income (Rs/ha)
		3. C:B ratio
		1. Acceptability
		2. Farmer reaction

OFT – 2: Crop Production

1	Crop/Enterprise	Wheat (Varietal)
2	Title of on-farm trials	Assessment of suitable and quality Wheat variety for limited irrigation condition
3	Problem diagnosed	Low productivity and profitability of Wheat in limited irrigation condition due to unawareness of suitable variety of Wheat.
4	Farming situation	Irrigated
5	Production system and thematic area	Rice-Wheat cropping system
6	Details of technologies selected for assessment / refinement	
	Treatment	T₁ : Farmers practice(Lok-1) T₂ : K-1006
7	Source of technology	CSA, Kanpur
8	No. of Farmers	02
9	Critical input	Seed (K-1006)
10	Performance Indication	
	Technical	1 . Yield (q/ha)
		2 . C:B Ration
		3 . Adoption of assured variety
	Economic	1. Cost of cultivation (Rs./ha)
		2. Net income (Rs/ha)
		3. C:B ratio
	Social	1. Acceptability
		2. Farmer reaction

OFT – 3: Crop Production

1	Crop/Enterprise	Barley Variety- Prakhar (K-1055)
2	Title of on-farm trials	Assessment of suitable variety of Barley in partial reclaimed Sodic soil
3	Problem diagnosed	Lack of awareness about Barley crop and variety for partial reclaimed soil
4	Farming situation	Irrigated

5	Production system and thematic area	Rice-Wheat
6	Details of technologies selected for assessment / refinement	
	Treatment	T₁ : Farmers practice(Azad) T₂ : Prakhar (K-1055)
7	Source of technology	CSA Kanpur
8	No. of Farmers	02
9	Critical input	Seeds with Package and Practices
10	Performance Indication	
	Technical	1 . Yield (q/ha)
	Economic	1. Cost of cultivation (Rs./ha)
2. Net income (Rs/ha)		
3. C:B ratio		
Social	1.Acceptability	
	2.Farmer reaction	

OFT – 4: Crop Production

1	Crop/Enterprise	Summer Groundnut crop
2	Title of on-farm trials	Assessment of suitability of summer groundnut in fellow area after potato crop
3	Problem diagnosed	Lack of knowledge about summer groundnut crop production after potato, mustard crops
4	Farming situation	Irrigated
5	Production system and thematic area	Maize-Potato- fallow,fallow-Potato-fallow
6	Details of technologies selected for assessment / refinement	
	Treatment	T₁ : Farmers practice(fallow in summer) T₂ : Summer groundnut with HYV(DH-56)
7	Source of technology	CSA Kanpur
8	No. of Farmers	05
9	Critical input	HYV Seeds and Seed treatment
10	Performance Indication	
	Technical	1 . Yield (q/ha)
	Economic	1. Cost of cultivation (Rs./ha)
2. Net income (Rs/ha)		
3. C:B ratio		

	Social	1.Acceptability
		2.Farmer reaction

OFT – 5 : Plant Protection(IDM)

1	Crop/Enterprise	Paddy
2	Title	Management of false smut in paddy
3	Problem diagnosed	Low yield of paddy due to false smut disease
4	Production system and thematic area	IDM
6	Source of technology	CRRI, Cuttak
7	No. of Farmers	04
8	Critical input	Fungicide
9	Details of technologies selected for assessment / refinement	
10	Treatment	T ₁ : Farmers practice (No application of fungicide)
		T ₂ : Two spraying propiconazole@500 ml/ha
		T ₃ : Two spraying Chronothalonil@1 kg/ha
11	Performance Indicators	
	Technical	1 – Disease intensity
		2 – Yield
	Economic	
		1 - C:B ratio
	Social	1 –Acceptability
		2 -Farmer perception

OFT – 6 : Plant Protection(IDM)

1	Crop/Enterprise	Potato
2	Title	Management of common scab in potato through fungicide.
3	Problem diagnosed	Low yield of potato due to scab (Rhizoctonia Solonai)
4	Farming Situation	Irrigated
6	Source of technology	CPRI, Modipuram, Meerut
7	No. of Farmers	05
8	Critical input	Fungicide
9	Details of technologies selected for assessment / refinement	
10	Treatment	T ₁ : Farmers practice (Bavastin/vitavax@2kg/ha of seed)
		T ₂ : Mirador (Azoxystrobin 11%EC + tubuconozole @1 lit/ha of seed
11	Performance Indicators	
	Technical	1 – Damage plant/m ²
		2 – Yield q/ha
	Economic	1 – Cost of Cultivation
		2 – B:C ratio

	Social	1 –Acceptability
		2 -Farmer perception

OFT – 7 : Horticulture

Crop/ enterprise	:	Chilli
Title	:	Effect of mulching on yield and quality of Chilli
Problem diagnosed	:	Poor yield of chilli due to lack of mulching
Micro farming situation	:	Irrigated
Farmers practice	:	No use of mulching
Details of technology identified for solution	:	T ₁ : No mulching
	:	T ₂ : Use of black polythene mulching
No. of farmers	:	5
Replications	:	3
Critical inputs	:	Black polythene
Source of technology	:	IIVR, Varanasi
Total Cost	:	4000
Observation to be recorded	:	1. No. of fruits / plant 2. Fruit yield q/ha 3. Weed population per sq. meter 4. B:C ratio
Reaction of the farmers	:	Profitability and Acceptability by the farmers

OFT – 8 : Horticulture

1	Crop/Enterprise	Onion
2	Title of on-farm trials	Assessment of suitable fungicide for quality onion production
3	Problem diagnosed	Low yield of onion due to blight and infestation of thrips
4	Farming situation	Irrigated
5	Production system and thematic area	Paddy-Onion-Moong
6	Details of technologies selected for assessment / refinement	
	Treatment	T ₁ : Farmers practice
		T ₂ : Use of fungicide M-45
		T ₃ : Use of fungicide M-45 + Use of Planta @40 ml/15 ltr
7	Source of technology	IIVR, Varanasi

8	No. of Farmers	04
9	Critical input	Seed, fungicide M-45 2.5 kg/ha. Planta @40 ml/15 ltr
10	Performance Indicators	
	Technical	1 – No of affected shoots /sqm
		2 – Yield (q/ha)
		3 – Size of onion bulbs/weight
	Economic	1 – Cost of cultivation (Rs./ha)
		2 - Net income (Rs/ha)
		3 - C:B ratio
	Social	1 –Acceptability
		2 -Farmer reaction

OFT – 9 : Animal Science

Particulars	Contents	
Crop/Enterprise	Live Stock	
Title	Assessment of effect of by pass fat for improvement in milk yield.	
Problem diagnosed	Very less nutritive value and palatability of straw.	
Details of technology identified for solution	T1-	Farme's practice (10 kg wheat straw+ 2 kg concentrate mix+ 5 kg green fodder)
	T2-	Along with T1 also provide Bypass fat 100gm/day after deworming with 1bolus Fenbendazole once
No. of farmers	10	
Replications	10	
Critical inputs	Bypass fat & Fenbendazole bolus	
Source of technology	NDDB	
Total Cost	3500	
Observation to be recorded	Per day milk production	
	C.B. Ratio	
Reaction of the farmers	Acceptability	

OFT – 10: Animal Science

Particulars	Contents	
Crop/Enterprise	Live Stock	
Title	Assessment of effect on milk let down and production by herbalgalactagogues along with deworming in cows.	
Problem diagnosed	Poor milk let down and low production due to nutritional/ hormonal deficiency and heavy parasitic infestation in lactating cows.	
Details of technology identified for solution	T1	Farme's practice (No leptaden& deworming)
	T2	Use of leptaden 10 Tab per day day along with deworming with fenbendazole
No. of farmers	5	
Replications	5	
Critical inputs	Leptaden and Fenbendazole bolus	
Source of technology	IVRI	
Total Cost	2500	
Observation to be recorded	Per day milk production	
	C.B. Ratio	
Reaction of the farmers	Acceptability	

OFT – 11 : Home Science

1	Crop/Enterprise	
2	Title	Improvement of Nutritional status of farm women through blended wheat flour
3	Problem diagnosed	Low nutritional status of farm women
4	Production system and thematic area	Food security
6	Source of technology	NIN Hyderabad (2012)
7	No. of Farmer's Family	05
8	Critical input	Fortified wheat flour, Gram Flour & Barley
9	Details of technologies selected for assessment / refinement	
10	Treatment	T ₁ : Farmers practice (Wheat flour) T ₂ : Fortified wheat flour (75%Wheat + 20%Gram Flour+5%Barley Flour) for 180 days
11	Performance Indicators	
	Technical	1 – BMI index (Height, Weight)
		2 – Hemoglobin level

		3 – Sensory evaluation
	Economic	
		1 - Net income (Rs/ha)
		2 - C:B ratio
	Social	1 –Acceptability

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OFT – 12 : Home Science

1	Crop/Enterprise	
2	Title	Assessment of effective supplementation of fortified of wheat flour for improvement of nutritional status of farm women
3	Problem diagnosed	Low nutritional status of farm women
4	Production system and thematic area	Nutritional Security
6	Source of technology	CIAE Bhopal (2014)
7	No. of Farmer's Family	05
8	Critical input	Fortified wheat flour, soyabean flour, Finger Millets(Ragi)
9	Details of technologies selected for assessment / refinement	
10	Treatment	T ₁ : Farmers practice (Wheat flour)
		T ₂ : (Wheat Flour75% + Soyabean flour 20% +Finger Millets 5%i)
11	Performance Indicators	
	Technical	1 – BMI index (Height, Weight)
		2 – Hemoglobin level
		3 – Sensory evaluation
	Economic	
		1 - Net income (Rs/ha)
		2 - C:B ratio
	Social	1 –Acceptability

OFT – 13 : Organic farming

	Crop/Enterprise	Onion
2	Title of on farm trials	Use of Vermi compost in Onion crop
3	Problem diagnosed	Low yield and quality of Onion crop due to use of local seeds, imbalanced use of fertilizers and no seed and soil treatment.
4	Farming situation	Irrigated
5	Production system and thematic area	Wheat-Onion
6	Details of technologies selected for assessment/ refinement	
	Treatment	T1: Farmers Practice (80:40:0)
		T2: Farmers Practice+ Vermi Compost (5 ton/ha)
		T3: Recommended dose (120:60:40)
7	Source of technology	CSA Kanpur
8	No. of Farmers	05
9	Critical input	Seeds, Vermi compost and Trichoderma
10	Performance Indication	

	Technical	1 Yield (q/ha)
		2 B:C Ratio
		3 Adoption of assured variety
	Economic	1 Cost of cultivation (Rs/ha)
		2 Net Income (Rs/ha)
1	Crop/Enterprise Social	Banana Banana 1 Acceptability
2	Title of on farm trials	Banana tree residues used to make vermi compost
3	Problem diagnosed	Banana tree residues do not decomposed quickly due to which it occupies lots of space in field and also increase insect, pest and disease attack in other crops.
4	Farming situation	Irrigated
5	Production system and thematic area	Wheat-Banana
6	Details of technologies selected for assessment/ refinement	
	Treatment	T1: Farmers Practice+ Banana tree residues+ Kitchen residues
		T2: Farmers Practice+ 60% Banana tree residues
	T3: Farmers Practice+ 30% Banana tree residues	
7	Source of technology	CSA Kanpur
8	No. of Farmers	05

OFT – 14 : Organic farming

9	Critical input	Vermis
10	Performance Indication	
	Technical	1 Testing of the quality of Vermi Compost
		2 Adoption of assured technology
	Economic	1 B:C Ratio
	Social	1 Acceptability
		2 Farmer reaction

3.2. Frontline Demonstrations (FLDs)

A.Details of FLDs to be organized (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

1. Cereals

S N.	Crop	Thematic area	Variety	Technology for demons.	Critical inputs	Season and year	Area (ha)	No. of farmers/ Demons	Parameters identified
A	Paddy	Nutrient Management	Sharbati	Balance nutrients supply	Seed, fertilizer	<i>Kharif 23</i>	05	12	Yield, Yield increase, Net return, Cost-benefit ratio
		Weed Management	Hybrid	Weed control through weedicide	Nomini gold 200 ml/ha	<i>Kharif 23</i>	05	15	
B	Maize	Nutrient Management	Hybrid	Nutrient management	Seed, Fertilizer	<i>Kharif- 23</i>	10	25	Yield, Yield increase, Net return, Cost-benefit ratio
C	Wheat	Nutrient Management		Balance nutrients supply, bio-fertilizer	Seed, fertilizer, bio-fertilizer	<i>Rabi 23</i>	05	12	Yield , Yield increase , Net return, Cost-benefit ratio
		Varietal		K-1317/K-307/ K-1006/Shatabdi	Seed	<i>Rabi 23</i>	10	15	
		Weed control		Weed control through weedicide	Seed, sulpho sulphurane 70% @32 ml/ha+met sulphurane 5% 40 gm/ha	<i>Rabi 23</i>	05	12	

2. Horticulture

S. N	Crop	Thematic Area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers / demo	Parameters identified
1	Okra	ICM	HYV Azad Bhindi 2	Seed	Kharif 2023	2	10	Yield & B:C ratio
2	Cucumber	INM	HYV Kalyanpur hara	Seed	Kharif 2023	1	05	Yield & B:C ratio
3	Onion	INM	Bhima Super/Nasik Red	Seed+Sulphur	Kharif 2023	1	05	Yield & B:C ratio

4	Bottlegourd	Varietal	HYV Sarita	Seed	Kharif 2023	1	05	Yield & B:C ratio
5	Chilli	Varietal	HYV Sunidhi/ KCH 3	Seed	Rabi 2023	1	05	Yield & B:C ratio
6	Vegetable pea	INM	HYV Azad Pea 5	Seed+Sulphur	Rabi 2023	1	10	Yield & B:C ratio
7	Tomato	Varietal	Improved hybrid variety NS 585, Himsona	Seed	Rabi 2023	1	10	Yield & B:C ratio
Total						8	50	

3. Oilseed

Sl. No.	Crop	Thematic area	Variety	Technology for demons.	Critical inputs	Season and year	Area (ha)	No. of farmers/demos	Parameters identified
A	Sesumum	Varietal	Tarun	Variety with Line sowing thinning	Seed, Fertilizer, Weedicide	<i>Kharif 23</i>	10	25	Yield , Yield increase , Netreturn, Cost-benefit ratio
B	Mustard	Varietal	Pitam bari	Line sowing, application of sulphur	Seed , fertilizer, Pesticides	<i>Rabi 23-24</i>	10	25	Yield , Yield increase , Netreturn, Cost-benefit ratio
C	Linseed	Varietal	Laxmi – 27	Variety with Line sowing	Seed and fertilizer	<i>Rabi 23-25</i>	10	25	

4. Pulses

Sl. N.	Crop	Thematic area	Variety	Technology for demons.	Critical inputs	Season and year	Area (ha)	No. of farmer s/ demon	Parameters identified
A	Pigeon Pea	Varietal + Application of Sulphor	IPA-203	Micronutrient + seed treatment with triconderma	Seed, Triconderma	<i>Kharif 23</i>	30	75	Yield , Yield increase , Netreturn, Cost-benefit ratio
B	Urd (Black gram)	Varietal + IPNM	, IPU -94-1, Pratap Urd-1	+Balance fertilizer	Seed, Fertilizer,	<i>Zaid 23</i>	10	25	
D	Chick pea	Varietal	JG-14	Use of micronutrients	Seed+ micronutrient	<i>Rabi 23</i>	20	50	Yield , Yield increase , Netreturn, Cost-benefit ratio
C	Moong (Green gram)	Varietal	IPM 2-3 and Virat	Improved vaietyr	Seed + micronutrient	<i>Zaid 23</i>	10	25	
		Weed control	Narendra Moong-1	Weed control through weedicide	Alacure 50 e.c.@3 lt/ha or Imizathayper 750 ml /ha	<i>Zaid 23</i>	5.0	25	
Other than pulses									
H	Sudan	Varietal	HYV SSG-898/	HYV SSG-898/	HYV seed	<i>Zaid 23</i>	3	30	Milk Yield

			KS-85/Sugargraze	KS-85/Sugargraze					and health
	Sudan	Varietal	HYV SSG-898/KS-85/Sugargraze	HYV SSG-898/KS-85/Sugargraze	HYV seed	<i>Kharif 23</i>	3	30	
H	Berseem	Varietal	HYV BB-2/Vardan	HYV BL-2/Vardan	HYV Seed	<i>Rabi 23</i>	5	50	
	Napier	Varietal	NB-1	NB-1 + Line transplant/propagation	Napier saplings	<i>Kharif 23</i>	2	50	
	Oats	Varietal							

Sponsored Demonstration

Sl. No.	Crop	Area (ha)	No. of farmers
1	Paddy	2.00	5
2	Wheat	2.00	5

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	4	April, Sept, October, November	100
2	Farmers Training	5	April, May, July, August, October	100
3	Media coverage	4	April, May, July, August, October	-
4	Training for extension functionaries	2	August, December	40

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / Indicators
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* *Field efficiency, labour saving etc.*

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals	Critical inputs	Performance parameters / Indicators
Application of endo parasitic medicine	Cattle and buffalo	25	50	Fenbendazole/ Albendazole	Health improvement
Feeding of mineral mixture	Cattle and buffalo	50	50	Mineral mixture powder	Improvement per day milk production
Application of ecto parasitic medicine	Cattle and buffalo	25	50	Deltamethrin/ Flumethrin	Health improvement

(iii) Other Enterprises

Enterprise	Variety/ breed/Species/others	No. of farmers	No. of Units	Critical inputs	Performance parameters / indicators	Data on parameter	
						Demon.	Local check
NADEP		10	10	Construction			
Preservation of tomato byproduct, aonla, mango and guava	Increase the keeping quality of sauce, purie, ketchup, muraba and jelly	05	05	1.To use the recommended dose of preservatives 2.Identification of suitable variety	Glacial acetic acid		
Vermi compost	Soil health improvement	05	05	Worms	Soil health improvement		
Nutritional kitchen garden to enhance nutritional status of family	Improve variety of vegetables	60 Families	60	Seed + Plant saplings	1.vegetable intake/day 2. Weight of family members 3. Clinical observation 4.Occurrence of disease		

TRAINING PROGRAMMES**3.3 Training (Including the sponsored and FLD training programmes):****A. ON Campus**

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
(A) Farmers & Farm Women									
I Crop Production									
Weed Management	01	12	3	15	05	-	05	20	
Resource Conservation Technologies	01	12	3	15	03	02	05	20	
Cropping Systems	02	30	-	30	10	-	10	30	
Crop Diversification	01	15	-	15	05	-	05	20	
Integrated Farming	01	15	-	15	05	-	05	20	
Water management									
Seed production	01	15	-	15	05	-	05	20	
Nursery management	01	15	-	15	05	-	05	20	
Integrated Crop Management	01	15	-	15	05	-	05	20	
Fodder production	01	15	-	15	05	-	05	20	
Production of organic inputs	01	12	3	15	03	02	05	20	
II Horticulture									
a) Vegetable Crops									
Production of low volume and high value crops	02	30	-	30	10	-	10	40	

Off-season vegetables								
Nursery raising	02	30	02	32	08	02	10	42
Exotic vegetables like Broccoli	01	14	02	16	03	01	04	20
Export potential vegetables								
Grading and standardization	01	13	02	16	04	01	05	21
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning	01	15	-	15	05	-	05	20
Layout and Management of Orchards	01	14	01	15	04	01	05	20
Cultivation of Fruit	01	15	-	15	5	-	5	20

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Management of young plants/orchards								
Rejuvenation of old orchards	01	10	05	15	05	-	05	20
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition	02	28	06	34	06	-	06	40
III Soil Health and Fertility Management								
Soil fertility management	01	18	02	20	04	01	05	25
Soil and Water Conservation								
Integrated Nutrient Management	01	17	01	18	07	0	07	25
Production and use of organic inputs/NADEP	01	18		18	7		7	25
Management of Problematic soils	01	20	0	20	5	0	5	25

Micro nutrient deficiency in crops	02	38	02	40	08	02	10	50
Nutrient Use Efficiency								
Soil and Water Testing	04	55	02	57	20	03	23	80

IV Livestock Production and Management									
Dairy Management	3	48		48	12		12	60	
Poultry Management									
Piggery Management									
Rabbit Management									
Disease Management									
Feed management	4	64		64	16		16	80	
Production of quality animal products	3	48		48	12		12	60	
V Home Science/Women empowerment									
Household food security by kitchen gardening and nutrition gardening	01	-	15	15	-	05	05	20	
Design and development of low/minimum cost diet	01	-	15	15	-	05	05	20	
Designing and development for high nutrient efficiency diet	01	-	15	15	-	05	05	20	
Minimization of nutrient loss in processing	01	12	3	15	03	02	05	20	
Gender mainstreaming through SHGs	01	-	15	15	-	05	05	20	
Storage loss minimization techniques	01	15	-	15	03	02	05	20	
Value addition	02	-	30	30	-	10	10	40	
Income generation activities for empowerment of rural Women	01	-	15	15	-	05	05	20	
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	
Rural Crafts	01	-	15	15	-	05	05	20	
Women and child care	01	-	15	15	-	05	05	20	
VI Agril. Engineering									
Installation and maintenance of micro irrigation systems									
Use of Plastics in farming practices									
Production of small tools and implements									
Repair and maintenance of farm machinery and implements									
Small scale processing and value addition									
Post Harvest Technology									
VII Plant Protection									
Integrated Pest Management	02	22	08	30	07	03	10	40	
Integrated Disease Management	01	14	03	17	02	01	03	20	
Bio-control of pests and diseases	01	10	05	15	03	02	05	20	
Production of bio control agents and bio pesticides	01	13	02	15	03	02	05	20	

VIII Fisheries									
Integrated fish farming									
Carp breeding and hatchery management									
Carp fry and fingerling rearing									
Composite fish culture									
Hatchery management and culture of freshwater prawn									
Breeding and culture of ornamental fishes									

Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production	01	14	01	15	05	-	05	20
Planting material production	01	12	3	15	03	02	05	20
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production	01	15	-	15	05	-	05	20
Organic manures production	01	15	-	15	05	-	05	20
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder	01	13	02	15	03	02	05	20
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development	01	10	05	15	03	02	05	20
Group dynamics	01	12	3	15	03	02	05	20
Formation and Management of SHGs	02	20	10	30	06	04	10	40
Mobilization of social capital								
Entrepreneurial development of farmers/youths	02	25	05	30	07	03	10	40
WTO and IPR issues								

XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL	72	875	256	1131	252	94	346	1467
(B) RURAL YOUTH								
Mushroom Production	01	20	-	20	02	-	02	22
Bee-keeping	01	02	06	08	-	02	02	10
Integrated farming	01	15	05	20	02	01	03	23
Seed production	02	30	-	30	10	-	10	40
Production of organic inputs	01	15	-	15	05	-	05	20
Planting material production	01	15	-	15	05	-	05	20
Vermi-culture Production	01	15	-	15	05	-	05	20
Sericulture								
Protected cultivation of vegetable crops	01	10	-	10	03	-	03	13

Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	01	20	-	20	05	-	05	25
Training and pruning of orchards	01	20	-	20	05	-	05	25
Value addition	02	-	20	20	-	10	10	30
Production of quality animal products								
Dairying	01	15	-	15	05	-	05	20
Sheep and goat rearing	1	16		16	4		4	20
Quail farming								
Piggery								
Rabbit farming								
Poultry production	1	16		16	4		4	20
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								

Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing	01		15	15	-	05	05	20
Post Harvest Technology								
Tailoring and Stitching	01	-	15	15	-	05	05	20
Rural Crafts	02	-	15	15	-	05	05	20
TOTAL	22	235	83	318	67	28	95	413
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management	01	12	03	15	03	02	05	20
Integrated Nutrient management	01	25	-	25	02	-	02	27
Rejuvenation of old orchards	01	18	02	20	04	-	04	24
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization	02	40	-	40	10	-	10	50
Information networking among farmers								
Capacity building for ICT application	01	40	-	40	10	-	10	50
Care and maintenance of farm machinery and implements								

WTO and IPR issues								
Management in farm animals	01	25	05	30	05	-	05	35
Livestock feed and fodder production	01	25	05	30	05	-	05	35
Household food security	01	10	10	20	05	-	05	25
Women and Child care	01	-	32	32	-	10	10	42
Low cost and nutrient efficient diet designing	01	10	10	20	-	05	05	25
Production and use of organic inputs	01	30	02	32	08	02	10	42
Gender mainstreaming through SHGs								
Any other (Preparation of teaching aid)								
TOTAL	12	235	69	304	52	19	71	375

B. OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	01	15	-	15	15	-	05	20
Resource Conservation Technologies								
Cropping Systems	01	15	-	15	05	-	05	20
Crop Diversification	02	30	-	30	10	-	10	40
Integrated Farming	01	15	-	15	05	-	05	20
Water management								
Seed production	01	15	-	15	05	-	05	20
Nursery management	01	14	01	15	04	01	05	20
Integrated Crop Management								
Fodder production	01	15	-	15	05	-	05	20
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	01	15	02	17	02	-	02	19
Off-season vegetables								
Nursery raising	01	15	-	15	03	-	03	18
b) Fruits								
Cultivation of Fruit	01	10	02	12	02	-	02	14
III Soil Health and Fertility Management								
Soil fertility management	02	25	05	30	08	02	10	40
Soil and Water Conservation								
Integrated Nutrient Management	01	12	01	13	07		07	20
Production and use of organic inputs/NADEP	01	15	0	15	05	0	5	20
Management of Problematic soils/USAR	02	28	02	30	08	02	10	40

Micro nutrient deficiency in crops	01	15	0	15	5	0	5	20
Nutrient Use Efficiency								
Soil and Water Testing	04	60	0	60	20	0	20	80

IV Livestock Production and Management								
Dairy Management	2	32		32	8		8	40
Poultry Management								
Piggery Management								
Rabbit Management								
Disease Management	3	48		48	12		12	60
Feed management	2	32		32	8		8	40
Production of quality animal products	2	32		32	8		8	40
V Home Science/Women empowerment								
Household food security by major and smaller millets nutrition gardening	2		30	30		10	10	40
Design and development of low/minimum cost diet	2		30	30		10	10	40
Designing and development for high nutrient efficiency diet	1		15	15		5	5	20
Minimization of nutrient loss in processing	1	12	3	15	3	2	5	20
Gender mainstreaming through SHGs	1		15	15		5	5	20
Storage loss minimization techniques	2	15	15	30	3	7	10	40
Value addition	3		45	45		15	15	60
Income generation activities for empowerment of rural Women	1	-	15	15	-	5	5	20
Location specific drudgery reduction technologies	1	-	15	15	-	5	5	20
Rural Crafts	1	-	15	15	-	5	5	20
Women and child care	1	-	15	15	-	5	5	20
VII Plant Protection								
Integrated Pest Management	02	23	07	30	06	04	10	40
Integrated Disease Management	02	24	06	30	07	03	10	40
Bio-control of pests and diseases	01	10	05	15	03	02	05	20
Production of bio control agents and bio pesticides	01	12	03	15	03	02	05	20

IX Production of Inputs at site								
	-							
Seed Production	02	30	5	35	04	01	5	40
X Capacity Building and Group Dynamics								
Leadership development	1	10	5	15	3	2	5	20
Group dynamics	1	12	3	15	3	2	5	20
Formation and Management of SHGs	3	32	13	45	9	6	15	60
Mobilization of social capital								
Entrepreneurial development of farmers/youths	1	12	3	15	3	2	5	20
WTO and IPR issues								

XII Others (Pl. Specify)								
TOTAL	71	766	344	1110	218	113	321	1431
(B) RURAL YOUTH								
Mushroom Production	02	30	-	30	10	-	10	40

Bee-keeping	01	08	-	08	02	-	02	10
Nursery Management of Horticulture crops	01	15	-	15	02	-	02	17
Value addition	02	-	30	30	-	10	10	20
Dairying								
Sheep and goat rearing	01	10	05	15	05	-	05	20
Para vets	01	15	-	15	05	-	05	20

Small scale processing	1	-	15	15	-	5	5	20
Post Harvest Technology								
Tailoring and Stitching	1	-	15	15	-	5	5	20
TOTAL	8	68	50	118	17	15	32	150
(C) Extension Personnel								
Productivity enhancement in field crops	01	45	05	50	10	05	15	65
Integrated Pest Management								
Integrated Nutrient management	01	45	05	50	10	05	15	65
Rejuvenation of old orchards	01	25	-	25	03	-	03	28
Protected cultivation technology								
Formation and Management of SHGs	01	40	05	45	10	05	15	60
Information networking among farmers	01	45	05	50	10	05	15	65
Capacity building for ICT application	1	15	5	20	03	02	05	25
Management in farm animals	01	15	05	20	05	05	10	30
Livestock feed and fodder production	01	15	-	15	05	-	05	20
Household food security	01	10	10	20	02	03	05	25
Women and Child care								
Low cost and nutrient efficient diet designing	01	15	-	15	05	-	05	20
TOTAL	10	270	40	310	63	30	93	403

C. Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	27	3	30	20		10	40
Resource Conservation Technologies	1	12	3	15	3	2	5	20
Cropping Systems	3	45		45	15		15	60
Crop Diversification	3	45		45	15		15	60
Integrated Farming	2	30		30	10		10	40
Water management	1	15		15	5		5	20
Seed production	2	30		30	10		10	40
Nursery management	2	29	1	30	9	1	10	40
Integrated Crop Management	1	15		15	5		5	20

Fodder production	2	27	-	27	8	2	10	37
Production of organic inputs	2	27	3	30	20		10	40
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	3	45	2	47	12		12	59
Off-season vegetables								
Nursery raising	3	45	2	47	11	2	13	60
Exotic vegetables like Broccoli	1	14	2	16	3	1	4	20
Export potential vegetables								
Grading and standardization	1	13	2	16	4	1	5	21
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning	1	15		15	5		5	20
Layout and Management of Orchards	1	14	1	15	4	1	5	20
Cultivation of Fruit	2	25	2	27	7		7	34
III Soil Health and Fertility Management								
Soil fertility management	03	43	07	50	12	03	15	65
Soil and Water Conservation								
Integrated Nutrient Management	02	29	02	31	14	0	14	45
Production and use of organic inputs/NADEP	02	33	0	33	12	0	12	45
Management of Problematic soils	03	48	02	50	13	02	15	65
Micro nutrient deficiency in crops	03	53	02	55	13	02	15	70
Nutrient Use Efficiency	08	115	02	117	40	03	43	160
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management	9	120	30	150	30		30	180
Poultry Management								
Piggery Management	2	30	5	35	8	2	10	45
Rabbit Management								
Disease Management	6	90	12	102	15	3	18	120
Feed management	9	120	30	150	30		30	180
Production of quality animal products	3	30	15	45	9	6	15	60
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	3		45	45		15	15	60
Design and development of low/minimum cost diet	3		45	45		15	15	60
Designing and development for high nutrient efficiency diet	2		30	30		10	10	40

Minimization of nutrient loss in processing	2	24	6	30	6	4	10	40
Gender mainstreaming through SHGs	2		30	30		10	10	40
Storage loss minimization techniques	3	30	15	45	6	9	15	60
Value addition	5		75	75		25	25	100

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Income generation activities for empowerment of rural Women	1		15	15		5	5	20
Location specific drudgery reduction technologies	1	12	3	15	3	2	5	20
Rural Crafts	1		15	15		5	5	20
Women and child care	1		15	15		5	5	20
VII Plant Protection								
Integrated Pest Management	4	45	15	60	13	7	20	80
Integrated Disease Management	3	38	9	47	9	4	13	60
Bio-control of pests and diseases	2	20	10	30	6	4	10	40
Production of bio control agents and bio pesticides	2	25	5	30	6	4	10	40

IX Production of Inputs at site								
Seed Production	01	14	01	15	05	-	05	20
Planting material production	01	12	3	15	03	02	05	20
Vermi-compost production	01	15	-	15	05	-	05	20
Organic manures production	01	15	-	15	05	-	05	20
Production of fry and fingerlings								
Production of livestock feed and fodder	1	13	2	15	3	2	5	20
X Capacity Building and Group Dynamics								
Leadership development	01	10	05	15	03	02	05	20
Group dynamics	01	12	3	15	03	02	05	20
Formation and Management of SHGs	02	20	10	30	06	04	10	40
Mobilization of social capital								
Entrepreneurial development of farmers/youths	2	25	5	30	7	3	10	40

XII Others (Pl. Specify)								
TOTAL	143	1641	600	2241	470	207	667	2908
(B) RURAL YOUTH								
Mushroom Production	2	40		40	5		5	42
Bee-keeping	2	10	6	16	2	2	4	20
Integrated farming	2	30	5	35	7	1	8	42

Seed production	3	45		45	15		15	60
Production of organic inputs	1	15		15	5		5	20
Planting material production	1	15		15	5		5	20
Vermi-culture	1	15		15	5		5	20
Fodder Production	1	15	-	15	5	-	5	20
Protected cultivation of vegetable crops	1	10		10	3		3	13
Nursery Management of Horticulture crops	2	35		35	7		7	42
Training and pruning of orchards	1	20	-	20	5	-	5	25
Value addition	3		35	35		15	15	50
Dairying	1	15		15	5		5	20
Sheep and goat rearing	2	25	5	30	10		10	40
Piggery	3	33	12	45	11	4	15	60
Para vets	2	35		35	10		10	45

Tailoring and Stitching	01	-	15	15	-	05	05	20
TOTAL	29	293	128	421	79	43	122	543
(C) Extension Personnel								
Productivity enhancement in field crops	1	45	5	50	10	5	15	65
Integrated Pest Management	1	12	3	15	3	2	5	20
Integrated Nutrient management	3	75	5	80	20	5	25	105
Rejuvenation of old orchards	1	18	2	20	4		4	24
Protected cultivation technology								
Formation and Management of SHGs	1	40	5	45	10	5	15	60
Group Dynamics and farmers organization	2	40		40	10		10	50
WTO and IPR issues								
Management in farm animals	2	40	10	50	10	5	15	65
Livestock feed and fodder production	2	40	5	45	10		10	55
Household food security								
Women and Child care	2		32	32		10	10	42
Low cost and nutrient efficient diet designing	1	15		15	5		5	20
Production and use of organic inputs	2	40	10	50	10	5	15	65
Gender mainstreaming through SHGs	2	40	5	45	10		10	55
TOTAL	22	505	109	614	115	49	164	778

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	20	560	40	600	34	06	40	594	46	640
Kisan Mela	01	600	150	750	15	10	25	615	165	780
Kisan Ghosthi	08	300	50	350	15	05	20	315	55	370
Exhibition	01	500	200	700	30	20	50	530	220	750
Film Show										
Method Demonstrations										

Farmers Seminar	02	90	10	100	10	10	20	100	20	120
Workshop	01	80	20	100	10	05	15	90	25	115
Group meetings	06	70	20	90	05	01	06	75	21	96
Lectures delivered as resource persons	50	1500	300	1800	50	15	65	1450	315	1865
Newspaper coverage	30									
Radio talks	05									
TV talks	05									
Popular articles	06									
Extension Literature	08									
Advisory Services										
Scientific visit to farmers field	75									
Farmers visit to KVK	30	1000	200	1200	30	20	50	1030	220	1250
Diagnostic visits	50									
Exposure visits	08									
Ex-trainees Sammelan	02									
Soil health Camp	01	80	20	100	08	02	10	88	22	110
Animal Health Camp	01	100	10	110	05	05	10	105	15	120
Agri mobile clinic										

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Soil test campaigns	02	160	40	200	16	04	20	176	44	270
Farm Science Club Conveners meet										
Self Help Group Conveners meetings	06	40	40	80	12	08	20	52	48	150
C.S.K.S. Monthly meeting	12	300	60	360	-	-	-	300	60	360
Total	330	5380	1160	6540	240	111	351	5520	1276	7096

3.5 Target for Production and supply of Technological products

A. SEED MATERIALS

S.No	Crop	Variety	Qty(Qtl)	Distributed to the Farmers
CEREALS	Paddy	As allotted by DD, S&F, CSA	30.0	Processing plant CSAU Kanpur
	Wheat	Var – Shatabdi	100.0	Processing plant CSAU Kanpur
Oilseed	Mustard	Var – Peetambari	25.0	Processing plant CSAU Kanpur
PULSES	Urd	As allotted by DD	5.0	Processing plant CSAU Kanpur
PULSES	Gram	As allotted by DD	10.0	Processing plant CSAU Kanpur
VEGETABLES				
FLOWER CROPS				

B. PLANTING MATERIALS

Sl. No.	Crop	Variety	Qty (No)	Distributed to expected No. of Farmers	
FRUITS	1.	Aonla	N-7,N-10, Krishna, Kanchan & Chakiya	1200	50
	2.	Guava	L-49 & Allahabad Safeda	800	20
	3.	Karonda	Desi	500	25
	4.	Papaya	Pusa Nanha, red lady & ranchi dwarf	2000	50
SPICES					
VEGETABLES	Onion	Agrifound dark red	15000	50	

	Tomato	K2	5700	50
	Brinjal	Pusa Kranti	5000	50
	Cauliflower	Snowball – 16	5000	50
FOREST SPECIES				
ORNAMENTAL CROPS				
PLANTATION CROPS				

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C. BIO-PRODUCTS

Sl. No.	Product Name	Species	Quantity	
			No	Q
BIOAGENTS	Vermicompost	<i>Iosenia Fotida/Jai Gopal</i>	1	6.00 q
BIOFERTILIZERS	NADEP		2	10.00 q
BIO PESTICIDES				

D. LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos	Kg
Cattle	Cow	Jersey cross	01	

3.6. Literature to be Developed/Published

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

(B) Literature developed/published

S.No.	Topic	No.	Name of journals /Literature
1.	Different technical literature will be prepared according to workshop Need and KVK mandates	35	
2.	As per the need of area	06	
3.	As per the need of area in local language	500 each	
4	Monthly & Quarterly progress report	06	

(C)Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	Messages	Advisory services to the farmers	24
2	Voice messages	Advisory services to the farmers	48

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) Through PRA (gap analyses and Matrix ranking)
- b) On the basis of soil type and Agro-climatic condition
- c) Feed back from District officials and the farmers
- d) On the basis of need pertaining to climatic change

Rural Youth

- a) Through Ex trainees meet
- b) Considering wide area problem

- c) Deep discussion with youth club formed in identified village
- d) Based on rural market analysis

In-service personnel

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

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT :

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

For FLD :

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

3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year) -

Village	Block	Year
Aung	Malwan	2021
Chitauli	Airayan	2021
Dhamauli	Devmai	2021

- ii. No. of farm families selected per village : 5
- iii. No. of survey/PRA conducted :
- iv. No. of technologies taken to the adopted villages 02
- v. Name of the technologies found suitable by the farmers of the adopted villages:
 - a. Seed treatment with thirum/bavistin
 - b. Use of Bentonide sulphur as bio-fertilizer for pulse production
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 2016

2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Soil health testing kit	03 refill	1.25 lakh

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	550	400	10	
Water				
Plant				
Total				

4.0 LINKAGES

4.1 Functional linkage with different organizations

S.No.	Name of Organisation	Nature of Linkage
1.	Department of Agriculture (ATM,NFSM, RKVY etc)	1.Participation in training field days, demonstration, Kisan goshies and kisan mela etc 2.Diagnostic survey 3.Participation in S.A.C meetings

2.	Department of Horticulture (Horticulture mission)	1. Participation in training and demonstration, field day supply of beehives and boxes. 2. Supply and distribution of fruit saplings and forestry plants
3.	Department of Animal Husbandry	Participation in trainings, kisan mela, animal health camps, live stock workshop/gosthi, vaccination and AI.etc 2. Participation in S.A.C meetings
4.	RSETI, Bank of Baroda	1. Participation in trainings and gosthi
5.	NRLM	Participation in trainings, camps, SAC, and technical advises.
6.	U.P. Agro, IFFCO and KRIBHCO	Participation in trainings and kisan mela
7.	Soil & Water Conservation (Dept. of Agri.)	Participation in trainings and watershed management programmes
.	Dept. of Fisheries and NEDA Fatehpur	Participation in trainings, meetings, gosthi etc.
9.	Pragya, AT media group, Nehru Yuva Sangthan and other NGO's of Fatehpur	Participation in Kisan mela formation of self-help groups.

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district **Yes**

S. No.	Programme	Nature of linkage	Remarks
1	Trainings	Participation	
2	Field day, Mela & Extension activity	Participation	

4.3 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Trainings	Participation
2	Field day, Mela & Extension activity	Participation

4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
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5.0 Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of programmes
January 2022	
February 2022	
March 2022	
April 2022	
May 2022	
June 2022	
July 2022	
August 2022	
September 2022	
October 2022	
November 2022	

December 2022	
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7. 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 (2022-23)

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 Detail of 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	
Crop Production										
15.5.23	PF	Scientific cultivation technique of Paddy	02	14	03	17	03	-	03	20
12.6.23	PF	Scientific cultivation technique of Kharif oil seed	02	17	-	17	03	-	03	20
20.6.23	PF	Ground nut production technology	01	17	-	17	02	-	02	20
03.07.23	PF	Seed production technology of groundnut	02	20	05	25	10	05	15	40
08.07.23	PF	Maize production technology	01	18	-	18	02	-	02	20
5.10.23	PF	Scientific cultivation technique of mustard crop	01	18	-	18	02	-	02	20
12.10.23	PF	Scientific cultivation technique of Rabi oil seed	02	17	-	17	03	-	03	20
Horticulture										
03-04.02.23	PF	Rejuvenation of old mango and guava orchard for better production	02	20	-	20	3	-	3	23
3-4.4.23	PF	Prdouction technology of cucurbits(sponge guard, bottle guard, bitter gouard)	02	15	-	15	5	-	5	20
03-04.01.23	PF	Training and pruning practices in aonla and guava orchard	02	15	-	15	2	-	2	17
12-13.05.23	PF	Nursery raising technique for kharif onion	02	20	2	22	2	-	2	24
17-18.05.23	PF	Scientific cultivation of tissue culture banana	02	20	-	20	2	-	2	22
05-06.06.23	PF	Post Harvest management of mango, guava and banana	02	20	-	20	2	-	2	22
11-12.10.23	PF	Production technology of hybrid tomato	02	16	-	16	4	-	4	20
15-16.10.23	PF	Nursery raising practices of rabi vegetables(tomato, cauliflower, brinjal, chili etc)	02	20	2	22	3	-	3	25
26-27.10.23	PF	Cultivation of exotic vegetable(Broccoli)	02	18	-	18	2	-	2	20
Live Stock										
01 Feb.,2023	Practicing farmers & farm women	Balance feed supplements to animals	1	16	-	16	4	-	4	20
05 March, 2023	Practicing farmers & farm women	Control measures of mastitis in dairy animals	1	16	-	16	4	-	4	20
18 April, 2023	Practicing farmers & farm women	Control measures parasitic infestation in farm animals	1	16	-	16	4	-	4	20
02 May, 2023	Practicing farmers & farm women	Gaotery management	1	16	-	16	4	-	4	20
21 May, 2023	Practicing farmers & farm women	Management of farm animals in summer season	1	16	-	16	4	-	4	20

01 June, 2023	Practicing farmers & farm women	Importance of AI in farm animals	1	16	-	16	4	-	4	20
14 Sept., 2023	Practicing farmers & farm women	Use of mineral mixtures in feeding schedule of milch animals	1	16	-	16	4	-	4	20
27 Oct., 2023	Practicing farmers & farm women	Production technology of rabi fodder crops	1	16	-	16	4	-	4	20
28 Dec., 2023	Practicing farmers & farm women	Care and management of milch animals in winter season	1	16	-	16	4	-	4	20
Home Science										
4-5 Jan 23	FW	Preparation of tomato ketchup – powder leather and sauce	02	-	30	30	-	10	10	40
6-7 Feb 23	FW	Preparation of potato by product	02	-	30	30	-	10	10	40
4-5 Mar 23	FW	Lay out of kictehn garden	02	-	30	30	-	10	10	40
19 Mar 23	FW	Preparation of carrot halwa	01	-	15	15	-	05	05	20
23 Apr 23	FW	Balance diet of farm women	01	-	15	15	-	5	5	20
4-5 Jun 23	FW	Value addtion of raw and ripe mango	02	-	30	30	-	10	10	40
5 July 23	FW	Formation of SHG Workers	01	-	15	15	-	05	05	20
14 Aug 23	FW	Preparation of karonda jelly								
4-5 Sept 23	FW	Preparation of chillie pickle and sauce	02	-	30	30	-	10	10	40
12-13 Oct.23	FW	Mushroom cultivation	02	-	30	30	-	10	10	40
03-04 Nov.23	FW	Preparation of aonla candy	02	-	30	30	-	10	10	40
5-6 Dec.23	FW	Preparation of mixed veg.pickle	02	-	30	30	-	10	10	40
Plant Protection										
10.01.2023	PF	Pest & disease control in mustard crops	01	4	9	13	4	8	12	25
13.03.2023	PF	IPM in summer vegetables	01	7	5	12	4	6	10	22
06.04.2023	PF	Use of micronutrients in pulse crop	01	15	2	17	7	1	8	25
15.04.2023	PF	Insect & disease management in banana	01	15	2	17	6	2	8	23
24.08.2023	PF	Control of fruit and shoot borer in brinjal and fruit borer in okara	01	8	7	15	7	3	10	25
17.09.2023	PF	IPM in potato	01	6	4	10	4	5	9	19
20-21.10.2023	PF	Mushroom production	02	15	2	17	7	1	8	25
Soil Health										
5-6.4.23	PF	Amelioration of Usar soil by use of gypsum on soil test basis	02	20	-	20	05	-	05	25
10-11.4.23	PF	Use of chemical fertilizer in kharif pulse crop on soil test basis	02	16	01	17	08	-	08	25
27-28.04.23	PF	Importance and awareness of different micro nutrient in crop production	02	18	-	18	07	-	07	25

14.05.2023	PF	Management of soil health in summer by using green manures	01	18	05	23	6	1	7	30
16-17.5.23	PF	Management of crop by use of Organic fertilizer	02	18	02	20	04	01	05	25
5-6.6.23	PF	Importance of soil testing in crop production	02	18	02	20	04	01	05	25
3-5.7.23	PF	Importance of soil testing in crop production	02	18	-	18	07	-	07	25
21-22.6.23	PF	Management of crop production by soil testing	02	20	-	20	05	-	05	25
25-26.7.23	PF	Management of crop production by soil testing	02	20	-	20	05	-	05	25
06-07.11.23	PF	Importance of micronutrient based on soil testing in rabi pulse crop	02	18	-	18	07	-	07	25
26-27.10.23	PF	Method and application of organic and bio fertilizer in pulse crop	02	20	-	20	05	-	05	25
15-16 Jan 23	PF	Preparation of vermicompost and its use	02	10	03	13	05	-	05	18
20-21 Mar 23	PF	Leadership development	02	10	05	15	-	03	03	18
25-26 Mar 23	PF	IPM in Urd & moong	01	12	03	15	03	02	05	20
20-21 Jun 23	PF	Nursery management of aonla plants	02	10	05	15	03	-	03	18
1-2 Jul 23	PF	IPM in paddy	01	13	02	15	02	03	05	20
4-5 Jul 23	PF	IPM in Arahara	01	15	02	17	02	01	03	20
11-12 Jul 23	PF	Leadership development	02	10	05	15	03	-	03	18
17-18 Jul 23	PF	IPM in brinjal	01	10	05	15	03	02		
03-04 Oct 23	PF	Seed treatment oilseed & pulses with bio agent	01	12	03	15	03	02	05	20
20-21 Oct 23	PF	Fodder management during <i>Rabi</i> season	02	15	-	15	05	-	05	20
04-06 Nov 23	PF	IPM in tomato	01	12	03	15	03	02	05	

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	
Crop Production										
15.04.2023	PF	Crop management of green gram	1	15	2	17	6	2	8	23
5.7.2023	PF	Crop Production technology of paddy	1	15	2	17	6	2	8	23
Horticulture										
07.11.23	PF	Production technology of hybrid tomato	1	15	2	17	2	-	2	19
03.11.23	PF	Nursery raising for rabi season vegetable crops	1	15	-	15	3	-	3	18
07.08.23	PF	Cultivation of papaya(Hybrid)	1	10	2	12	2	-	2	14
Live Stock										
30 May, 2023	Practicing farmers & farm women	Care and management of milch animals during summer	1	10	6	16	2	2	4	20
02 June, 2023	Practicing farmers & farm women	Management and precaution measures of infectious diseases in farm animals	1	10	6	16	2	2	4	20
16 July, 2023	Practicing farmers & farm women	Role of mineral mixture in dairy animals	1	10	6	16	2	2	4	20
18 August, 2023	Practicing farmers & farm women	Control of ecto and endo –parasites in farm animals	1	10	6	16	2	2	4	20
19 Oct., 2023	Practicing farmers & farm women	Disease control in goats	1	10	6	16	2	2	4	20
22 Nov., 2023	Practicing farmers & farm women	Infertility management in farm animals	1	10	6	16	2	2	4	20
28 Dec., 2023	Practicing farmers & farm women	Care and management of newly borne calve	1	10	6	16	2	2	4	20
Horticulture										
15.04.2023	PF	Insect & disease management in banana	1	15	2	17	6	2	8	23
Home Science										
17 Jan 23	FW	Preparation of groundnut chikti	1	-	15	15	-	5	6	20
12 Feb 23	FW	Preparation of chilli pickle	1	-	15	15	-	5	5	20
12 Mar 23	FW	Preparatio of peda and gulabjamun	1	-	15	15	-	5	5	20
9 Apr 23	FW	Nutritional Kicthen Garden	1	-	20	20	-	10	10	30
14-15 May 23	FW	Low Cost recipes for pre school children	2	-	30	30	-	10	10	40

11-13 May 23	FW	Preparation of mango pickle and squash	3	-	45	45	-	15	15	60
10-11 Jul 23	FW	Candle Making	2	-	30	30	-	10	10	40
17-18 Aug 23	FW	Preparation of karaunda, Murabba and Sauce	2	-	30	30	-	10	10	40
12 Aug 23	FW	Preparation of sprouted recipe	1	-	15	15	-	5	5	20
16 Oct 23	FW	Scientif care of mushroom bag	1	-	15	15	-	5	5	20
8-9 Nov 23	FW	Different type of diya making	2	-	30	30	-	5	5	40
13 Dec 23	FW	Preparation of aonla chatany	1	-	15	15	-	5	5	20
Plant Protection										
10.01.2023	PF	Pest & disease control in mustard crops	1	4	9	13	4	8	12	25
13.03.2023	PF	IPM in summer vegetables	1	7	5	12	4	6	10	22
15.04.2023	PF	Insect & disease management in banana	1	15	2	17	6	2	8	23
24.08.2023	PF	Control of fruit and shoot borer in brinjal and fruit borer in okara	1	8	7	15	7	3	10	25
17.09.2023	PF	IPM in potato	1	6	4	10	4	5	9	19
20-21.10.2023	PF	Mushroom production	2	15	2	17	7	1	8	25
Fishreies										
Soil Health										
8.1.23	PF	Importance of soil testing in crop production	1	20	-	20	05	-	05	25
07.2.23	PF	Technique of collection soil and water sample	1	20	-	20	05	-	05	25
8.3.23	PF	Importance of soil testing in crop production	1	20	-	20	05	-	05	25
12.4.23	PF	Management of soil by conjunctive use organic and chemical fertilizer for crop production	1	20	-	20	05	-	05	25
14.05.2023	PF	Management of soil health in summer by using green manures	1	18	05	23	6	1	7	30
25.5.23	PF	Management of soil health by use of green manuring	1	20	-	20	05	-	05	25
29.6.23	PF	Use of chemical and organic fertilizer to conserve soil fertility status	1	20	-	20	05	-	05	25
19.8.23	PF	Production of organic fertilizer and NADEP at farmers field	1	20	-	20	05	-	05	25
25.5.23	PF	Importance of gypsum and dhaincha to reclaim sodic soil	1	20	-	20	05	-	05	25
14.12.23	PF	Imporatnce of micro and macro nutrients in crop production	1	20	-	20	05	-	05	25
Plant Protection										
05.01.2023	PF	Nursery management in aonla plant	1	8	4	12	10	2	12	24
21-22.02.2023	PF	Pest management of pod borer complex in pigeon pea	2	10	5	15	6	4	10	25
17.03.2023	PF	Pest management in summer vegetable	1	7	3	10	5	4	9	19
26.05.2023	PF	Seed storage pest management in wheat	1	12	8	20	1	4	6	26

10.05.2023	PF	Insect and disease management in mango	1	13	4	17	4	3	7	24
15-16.06.2023	PF	Nursery management in paddy crops	2	10	2	12	4	5	9	21
27.07.2023	PF	IPM in vegetable (Brinjal, okara, cucurbits etc)	1	9	4	13	4	3	7	20
05.08.2023	PF	Pest management in urd and moong in kharif crops	1	9	4	13	4	3	7	20
15.09.2023	PF	IPM in mustard	1	7	8	15	5	3	8	23
04.10.2023	PF	Importance of seed treatment in rabi crops	1	8	2	10	7	4	11	21
15.10.2023	PF	Weed management in rabi crop	1	8	9	17	3	4	7	24
07.11.2023	PF	Insect and disease management in paddy crops	1	12	8	20	1	4	6	26
15.12.2023	PF	IPM in rabi crops	1	10	4	14	6	6	10	24
Soil Science										
12.01.2023	PF	Identification of deficiency symptoms of micro nutrients and their management	01	15	-	15	05	-	05	20
22 Mar 23	PF	Cultivation of summer season okara	01	15	-	15	05	-	05	20
30.03.2023	PF	Method of soil sampling and fertilizer use as per soil test value	01	15	-	15	05	-	05	20
12.04.23	PF	Cultivation of banana	01	15	-	15	05	-	05	20
07.05.23	PF	Management of young plants / orchard	01	15	-	15	04	-	04	19
15.5.2023	PF	Use of fertilizer on the basis of soil test	1	12	3	15	4	1	5	20
06.06.2023	PF	Amelioration of usar land technique	1	13	2	15	3	2	5	20
05.07.2023	PF	Use of green manuring to improve soil health	01	15	-	15	05	-	05	20
22.07.23	PF	Nursery management of rose & mari gold	01	15	-	15	04	-	04	19
22.08.2023	PF	Use of balance fertilizer and bio-fertilizer and their effect on pulses crop	01	15	-	15	05	-	05	20
08.10.2023	PF	Preparation and production of NADEP and vermicompost	01	15	-	15	05	-	05	20
12.09.23	PF	Nursery raising for chilli & cauliflower	01	10	-	10	03	-	03	13
20 Oct 23	PF	Nursery raising of hybrid tomato	01	15	03	18	04	-	04	22
19 Jan 23	Live stock owner	Care and management of heifers for timely maturity	01	12	-	12	03	-	03	15
14 Feb 23	Goat owners	Care and management of young kids	01	12	-	12	03	-	03	15
11 Apr 23	Live stock owner	Vaccination its importance and schedule for animals	01	13	02	15	03	02	05	20
13 Jun 23	Live stock owner	Deworming its importance and schedule for animals	01	12	-	12	03	-	03	15
16 Jul 23	-do-	Fresh and clean drinking water management	01	12	-	12	03	-	03	15
22 Aug 23	Live stock owner	Clean and hygienic milk production under village condition	01	13	02	15	03	02	05	20
19 Sept 23	Sheep	Care and management of young lambs	01	13	02	15	03	02	05	20

	owner									
20 Oct 23	Live stock owner	Care and management of young calves up to age of six month	01	12	-	12	03	-	03	15
8 Dec 23	PF & FW	Paddy straw feeding to dairy animals	01	13	02	15	03	02	05	20
12.02.2023	PF	Formation and management of men and women SHGs and their bank linkages	01	10	05	15	03	02	05	20
28-29 Mar 23	PF	IPM in Urd & moong	01	12	03	15	03	02	05	20
22.04.2023	PF	Formation and management of seed grower groups and association	01	12	03	15	03	02	05	20
6-7 Jul 23	PF	IPM in Paddy	01	13	02	15	02	03	05	20
11-12 Jul 23	PF	IPM in Arhar	01	15	02	17	02	01	03	20
17-18 Jul 23	PF	IPM in cauliflower	01	10	05	15	03	02	05	20
06-07 Oct 23	PF	Seed treatment oilseed & pulses with bio agent	01	12	03	15	03	02	05	20
08-10 Nov 23	PF	IPM in tomato	01	12	03	15	03	02	05	

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Date/ Duration (days)	No. of Participants			SC/ST participants			G. Total
				M	F	T	M	F	T	
Wheat	Seed production	Quality seed production of wheat crop	10*	15	-	15	05	-	05	20
Vermi- culture	Soil health	Production technique of Vermi-culture	05	15	-	15	05	-	05	20
Chick pea	Seed production	Package and practices of growing pulse rabi crop with application of rhyzobioum culture and micro nutrient	01	20	-	20	5	-	5	25
Organic inputs	Soil health	Production technique and use of different organic inputs	05	15	-	15	05	-	05	20
Fruit crops	Income generation	Nursery management for aonla, guava & ber	10	20	-	20	05	-	05	25
Dairy	Increase milk production and employment	Dairying for assured and additional income	06	12	-	12	03	-	03	15
Goat and sheep farming	Increase productivity	Goat/sheep farming for down troddens	05	10	-	10	03	02	05	15
07-10 Feb. 2023	Live stock	Income generation	Goat farming	5	14	2	16	3	1	4
03-06 April ,2023	Live stock	Income generation	Poultry farming	5	14	2	16	3	1	4

Candle making	Income generation	Candle making under village condition	05	-	15	15	-	05	05	20
Garment making	Income generation	Baby Garment making	06	-	15	15	-	05	05	20

iii) Training programme for extension functionaries

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	
Crop Production										
15.09.2023	Mitra kisan, MPW, NGO worker, FFS, Agriculture worker	Integrated Nutrient Management for sustainable farming	01	15	-	15	05	-	05	20
30.12.23	Mitra kishan, MPW, NGO worker, FFS, Agriculture worker	Human capital development through groups and farmer association	01	15	-	15	05	-	05	20
Horticulture										
04.01.23	Kisan Mitra	Rejuvenation of old orchard	01	18	02	20	04	-	04	24
07.11.23	Kisan Mitra	INM in Horticultural crop (Fruit crops)	01	20	03	23	05	-	05	28
Animal Sc.										
18 Feb, 2023	Extension functionaries	Control measures of reproductive diseases in dairy animals	1	19	-	19	6	-	6	25
11 April, 2023	Extension functionaries	Preventivemeasures of infectious diseases in dairy animals	1	19	-	19	6	-	6	25
Home Sci.										
07-08 Aug 23	Anganwadi Workers	Preparation of teaching aid from locally available low cost material	02	-	15	15	-	05	05	20
14-15 Oct 23	PF and PFW	Formation and management of SHGs	02	-	15	15	-	05	05	20
Plant Protection										
08-09.06.2023	EF	Techniques for preparation of NSKE.	2	2	15	17	1	7	8	25
08-11.09.2023	EF	Proper use of pesticide and plant protection equipments	3	4	3	5	5	10	12	17
Soil Science										
25.10.23	EF	Importance of soil sample analysis and technique to collect soil samples	01	15	3	18	10	2	12	30

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	
Crop prod.										
24.11.2023	Mitra kishan, MPW, NGO worker, FFS, Agriculture worker	Improved packages and practices for productivity enhancement of major field crop	01	15	-	15	05	-	05	20

iv) Sponsored Training Programmes

Sl.	Title	Thematic area	Duration (days)	Client PF/R/EF	No. of courses	No. of Participants						Sponsoring Agency	
						Male		Female		Total			
						Others	SC/ST	Others	SC/ST	Others	SC/ST		Total
1	Improved fish farming	Feed management	01	PF/EF	01	20	5	-	2	20	7	27	Fish deptt.
2	Latest technologies for pulses production	IPM	01	PF/EF	10	500	125	25	75	525	200	725	Agril. Deptt.
3	Fertilizer management in fruit plant orchard	INM	01	PF/EF	04	200	50	10	20	210	70	280	Horti. Deptt.
4	Feed and fodder management for milking animal	Balance feeding	01	PF	04	200	50	10	20	210	70	280	Animal Deptt.

ANNUAL ACTION PLAN

KVK ALIGARH

(January to December, 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
	Office	FAX		
Krishi Vigyan Kendra, C.D.F. Campus, Aligarh			kvkcaligarh@rediffmail.com	aligarh.kvk4.in

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

Address	Telephone		E mail	Website
	Office	FAX		
Directorate of Extension, C.S. Azad University of Agriculture and Technology, Kanpur-208002	0512-2549106	0512-2549106	dirextcsau@gmail.com	www.csauk.ac.in

1.2.b. Status of KVK website : Yes

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : 1200








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





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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Ashok Kumar	--	9935796178	kvkcaligarh@rediffmail.com kvkcaligarhcsa@gmail.com

1.4. Year of sanction (as per MOU) : 1992

1.5. Staff Position (as on 10 Sept. 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent / Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph	
1	Head	Dr. Ashok kumar	Sr. Scientist	Agronomy	131400-217100	198700	20.12.1995	Permanent	SC	9415722880	ashokkumarcsau@gmail.com		
2	Subject Matter Specialist	Dr. Ram Palat	Scientist	Plant Protection	79800-211500	117100	09.08.2002	Permanent	SC	9450812571	drrampalat@gmail.com		
3	Subject Matter Specialist	Dr Dharmendra Yadav	Scientist	Horticulture	79800-211500	110400		Permanent	OBC	9451424096			
4.	Subject Matter Specialist	Mr. A.H. Warsi	Scientist	Agronomy	79800-211500	38500/-	17.08.2002	Permanent	General	9450191475	atharwarsi16@gmail.com		
5.	Subject Matter Specialist	Dr. Ashraf Ali Khan	Scientist	Plant Protection	79800-211500	101100	11.04.2008	Permanent	General	9458428404	aali_khan@rediffmail.com		
7	Subject Matter Specialist	Dr. Netra Pal Malik	Scientist	Agri. Ext.	79800-211500	101100	23.04.2008	Permanent	OBC	9412954947	netrapalmalik1@gmail.com		
	Subject Matter Specialist	Dr. Nimisha Awasthi	Scientist	Home Scientist	56100-177500	64400	30.11.2004	Permanent	General	8090833502	nimishaawasthi21jan@gmail.com		
8	Computer Programmer	Mr. Ajay mani Tripathi	Joining Awaited	Joining Awaited									

9	Farm Manager	Vacant										
10	Program Assistant	Vacant										
11	Office Superintendent											
12	Computer Operator/Jr. Stenographer	Mr Atul Kumar Srivastava	Steno-III	--	29200-92300	42800	19.05.2007	Permanent	General	7985888384	atulcsakvk@gmail.com	
13	Jeep Driver	Mr. Manoj Nigam	Jeep Driver		25500-81100	42800	19.05.2007	Permanent	General	8707224501		
14	Tractor Driver	Mr. Rajendra Singh	Tractor Driver	-	25500-81100	36400	07.05.2006	Permanent	OBC	9719192080		
15	Supporting staff	Mr. Ramesh Kumar	Supporting staff	-	25500-81100	33300	02.12.2005	Permanent	OBC	8303868467		
16	Supporting staff	Vacant										

1.6. Total land with KVK (in ha) : 20.0 h

S. No.		Area (ha)
1	Under Buildings	1.00
2.	Under Demonstration Units	1.00
3.	Under Crops	15.00
4.	Horticulture	0.40
5.	Pond	0.50
6.	Net House	0.50
7	Others (Specify)	1.60

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage						Requ- red New	Needs renovatio n
			Complete			Incomplete				
			Completi on Year	Plinth area (Sq.m)	Expenditur e (Rs.)	Startin g year	Plinth area (Sq.m)	Status of constructio n		
1.	Administrative Building	ICAR	Jan 30, 2001	550.0 m ²	13,19,250.0	---	---	Constructed		Yes
2.	Farmers Hostel	ICAR	2011-12	300.0 m ²	13,31,000.0	2008-9	---	Constructed		Yes
3.	Staff Quarters (6)	ICAR	---	---	---	---	--	Nil	Yes	
4.	Demo. Units (2)	ICAR	---	---	---	---	---	Nil	Yes	
5.	Fencing	ICAR	---	---	3,51,000	---	---	3 side done one side vacant (Front)		Yes
6.	RWH system	ICAR	---	---	---	---	---	Nil	Yes	
7.	Threshing floor	ICAR	---	---	---	---	---	Nil	Yes	Yes
8	Farm godown	ICAR	2011-12	---	3,07,000.0	2008-9	---	Constructed		Yes

B) Vehicles

Type of vehicle	Year purchase of	Cost (Rs.)	Total kms. Run	Present status	Required replacement
Moter Bike Two	1997-98	825000.00	---	Disposable condition	Yes
Tractor-I	1995-96	2,50,000.00	---	Disposable condition	Yes
Tractor-II (Mega Seed)	2009	---	----	Working	No
Staff Vehicle	2019	853136.00		New	No

C) Equipments & AV aids

Name of the equipment	Year purchase of	Cost (Rs.)	Present status	Required replacement
Alternator (2000 AC) E.B.E.	28.03.1998	28,696.00	Working	No
Modi Xerox 5615	30.12.1999	66,200.69	Not working	Yes
Overhead Projector	30.06.2000	20,000.00	Not working	Yes
Slide Projector	30.06.2000	40,005.00	Not working	Yes
Screen Projection	09.09.2001	32,000.00	Working	No
1. Television Colour (BPL)	31.03.1998	13,116.00	Working	No
2. BPL 63 cm colour television	09.09.2001	---	Working	No
LPG Connection with double cylinder	30.03.2002	3,297.00	Working	No
Solar Cooker (Dish type)	31.03.2004	4,775.50	Working	No
Scanner	10.09.2004	3,850.00	Working	No
T.V. Dish (Dish Antenna)	19.08.2004	8,490.00	Working	No

Invator (Micro Tech)	02.01.2005	4,300.00	Working	No
DVD Player (Philips)	30.03.2005	3,990.00	Working	No
Sound System with Microphone	31.03.2005	9,580.00	Not Working	Yes
Cooler One	29.03.2005	8,000.00	Not Working	Yes
Box	29.03.2005	2,000.00	Working	No
Cooler Five	30.03.2005	22,500.00	Working	No
Laser Printer 1020 Plus	14.02.2008	7,499.00	Working	No
Camera Sony	20.03.2008	9,423.00	Not Working	Yes
LCD Projector	28.10.2008	99,030.00	Not Working	Yes
Deskjet Printer Colour	18.1.2011	4,999.00	Not Working	Yes

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

Sl.No.		Date
1.	Scientific Advisory Committee	11.09.2023,

2. DETAILS OF DISTRICT

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

Sl. No	Farming system/enterprise
1	Crop production and Animal Husbandry
2	Crop production, Horticulture and Animal Husbandry

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
	South-Western Semi-Arid Plain Zone	The soils are alluvial in nature and affected by salts. Average annual rainfall is 662 mm and the temperature ranges from 4°C to 47°C. The average relative humidity ranges from 32 to 82%. Cropping intensity of the zone is 146 %. Pearl millet, maize, rice, wheat, rapeseed and mustard are the major field crops of the zone. Potato, vegetable pea, garlic, onion, and flowers are also cultivated.

b) Topography

S. No.	Agro ecological situation	Characteristics
1	AES-I	Salt affected soil, low soil fertility, tube-well and canal irrigation.
2	AES-II	Sandy loam, poor in soil fertility, canal & tube-well are the major irrigation source.
3	AES-III	Loam soils, low in fertility, poor drainage, tube well irrigation.
4	AES-IV	Clay loam soils, brackish ground water and canal water.

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Sandy soil	Poor in soil fertility	12,581
2	Sandy loam soil	Low in fertility, well drained	73,141

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

S. No	Crop	Area (000, ha)	Production (MT.)	Productivity (Qt./ha)
1	Paddy	86.131	6, 32,620	22.52
2	Pearl millet	90.701	13, 32,870	18.62

3	Maize	17,459	5, 03,220	18.99
4	Pigeon pea	17,698	1, 33,800	8.18
5	Urd bean	576	1,740	3.88
6	Mung bean	3,555	12,060	3.77
7	Wheat	220,707	65, 38,160	28.93
8	Barley	14,733	3, 84,380	30.73
9	Field pea	690	14,400	15.94
10	Lentil	2,150	13,180	6.60
11	Mustard	17,893	3, 30,100	13.45
12	Potato	10,626	27, 68,410	283.80
13	Sugar Cane	9,040	48, 63,160	509.04

Source: District agriculture department.

2.5. Weather data (2022)

S. No	Month	Rainfall (mm)	Temperature 0 C			Sunny Hours	Relative Humidity (%)
				Minimum	AV		
1	January	18	20.3	7.9	14.1	8.4	68
2	February	22	23.8	10.9	17.2	9.4	62
3	March	21	30.2	15.6	22.9	10.6	47
4	April	11	27	21.4	48.4	11.5	29
5	May	13	39.5	25.6	32.55	12.1	33
6	June	51	38.1	27.7	32.9	11.6	48
7	July	267	33.4	26.6	29.7	9.20	73
8	August	254	32.0	25.7	28.5	8.7	79
9	September	15	32.0	24.0	27.7	9.0	75
10	October						
11	November						
12	December						
Total							

7

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	1,43,620		
<i>Indigenous</i>	1,14,041		
Buffalo	7,15,774		
Sheep			
<i>Crossbred</i>	262		
<i>Indigenous</i>	9,325		
Goats	1,45,471		
Pigs			
<i>Crossbred</i>	2,836		
<i>Indigenous</i>	20,644		
Rabbits			
Poultry			
Hens	72,226		
<i>Desi</i>			
Category		Production (Q.)	Productivity
Fish (Reservoir)			

*Statically 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
Kheir	Kheir	Manpur	Paddy, pearl millet, cotton, Wheat, mustard	<ul style="list-style-type: none"> Poor availability of quality seeds Improper seed rate 	<ul style="list-style-type: none"> Varietal evaluation Quality seed production.

	Tappal	Keelpur-mathna	Paddy, pearl millet, maize, wheat, mustard, barley	<ul style="list-style-type: none"> • Poor nursery management • Imbalance use of fertilizer • Poor weed management • Inadequate pest and disease management • Infestation of weeds • Degradation in soil health • Less use of organic manure • Poor adoption of post-harvest technology 	<ul style="list-style-type: none"> • Integrated plant nutrient management. • Integrated Pest and disease management • Weed management • Integrated Crop management • Nursery management • Off-season vegetable cultivation • Micro-irrigation • Soil health enhancement
Koil	Jawan	Dhanua-Nagla	Paddy, Sugarcane Mustard, wheat		
	Lodha	Mukatghari, Mandla, Vinupur	Pearl millet, paddy Mustard, wheat, potato		
Eglash	Eglash	Paharipur, Bailoth	Pearl millet, paddy Mustard, wheat, potato		
Atroli	Atroli	Govili Bhavigarh	Pearl millet, paddy, pigeon pea Mustard, wheat		
Gabhana	Chandoush	Panihavar	Pearl millet, paddy, pigeon pea Wheat, mustard,		

2.8 Priority thrust areas

Sl. No.	Thrust area
•	Need for promotion of latest HYVs according to South-Western Semi Arid Agro-climatic condition
•	Seed treatment with Fungicide, <i>Rhizobium</i> culture and Insecticide
•	Quality seed production
•	Inadequate knowledge and adoption about Improved technology.
•	Extension Strategies and Research for Agricultural Intensification and Diversification.
•	Promotion and Extension of Low cost technologies to double farmer's income
•	Need for promotion of latest HYVs according to South-Western Semi Arid Agro-climatic condition
•	To motivate farmers for Quality cash crops, vegetables, flowers and fruits to double farmer's income.
•	To develop farming system modules for small, medium and large farmers to double farmer's income.
•	Usar Reclamation
•	Animal Nutrition
•	Poor existing Breeds
•	Low Productivity in Milch Animals
•	Value Addition in Fruit and Vegetable Crops

3. TECHNICAL PROGRAMME

A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
12	125	100	250

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2500	200	1500

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
350	35000		500

Quality distribution (q)	seed	No. of saplings distribution (Nos.)	No. of fingerlings distribution (Nos.)	No. of livestock & poultry strains distribution (Nos.)
(10)		(11)	(12)	(13)
100		1000	0	0

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 Training any	Title of training if for ext. personnel if any	Extensi on activities	Supply of seeds, planting materials etc.
1	INM	Pigeon pea, paddy, wheat, mustard, potato	Imbalance use of fertilizers	-Site specific nutrient management in wheat -Better quality production in tomato through micronutrient.	Application of NPK on the basis of soil testing	Various trainings on INM	Training on INM	Gosthies Field days	seeds
2	Integrated disease and pest management	Pigeon pea, paddy, mustard, potato and vegetables	Poor management of diseases and pests	Management of bacterial leaf blight (BLB) -Integrated management of root rot and wilt in tomato	Disease management in paddy and mustard	Trainings on Integrated disease and pest management	Integrated disease and pest management	Gosthies , Diagnostic visits, Field days	seeds
3	Quality seed production	wheat	Use of unidentified varieties	-	-	Trainings on seed production	-	-	
4	Seed replacement	Wheat, pigeon pea and vegetables	Use of old and unidentified varieties	Varietal evaluation of pigeon pea, okra, musk melon, chilli	Varietal demonstrations on cauliflower, vegetable pea, tomato, brinjal and chilli	-	-	Gosthies , Field days	Supply of seedlings of vegetable crops
5	Integrated Crop Management	Mustards and vegetables	Poor cultivation practices	High density cultivation of cauliflower	ICM in mustard, wheat, musk melon, okra	Trainings on cultivation practices		Gosthies , exposure visits	
6	Integrated weed management	wheat	High weed infestation	Manual and chemical weed control in wheat	-	Weed management	-	Gosthies , field visit	-

3.1 Technologies to be assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	1		1		02					
Seed / Plant production	0									
Weed Management	1									
Integrated Crop Management	1									
Integrated Nutrient Management	1									
Integrated Farming System	1									
Mushroom cultivation										
Integrated Pest Management	1								1	
Integrated Disease Management	1		01		1					
Resource conservation technology	2									
Small Scale income generating enterprises	0	0								
TOTAL	08	0	01		02				01	12

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

Thematic areas	Cereals	Oils eeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
Weed Management	2									2
Integrated Crop Management	1				1			1		3
Integrated Nutrient Management	1									1
Integrated Farming System	1				1					2
Mushroom cultivation					1					1
Drudgery reduction										
Integrated Pest Management	1									1
Integrated Disease Management										
Resource conservation technology	1		1							2
TOTAL	07		01		3			1		12

OFT-1
Crop Production

- **Crop/Enterprise:** Wheat
- **Title of on-farm trial:** Varietal evaluation of Wheat
- **Problem diagnosed:** Use of old variety of Wheat
- **Farming situation:** Irrigated
- **Production system and thematic area:** Rice -wheat production system
- **Farmers' Practices:** Use of PBW-343 or PBW-550 variety of Wheat
- **Details of technologies selected for assessment/refinement:**
 - T1:** Farmers practice - Use of PBW-343 or PBW-550 variety of Wheat
 - T2:** Variety DBW-187 (Karan Vandana)

Source of technology: ICAR- Indian Institute of Wheat and Barley Research (IIWBR) Karnal

No. of farmers: 05

- **Critical input:** Seed+ package of practice
- **Performance indicators**
- **Technical**
 - Growth and yield attributes

ii. Economic

- Gross yield
- Net yield
- B/C ratio
- **Social**

Determine the farmer reaction at the time of intervention

OFT- II

1. Crop/Enterprise: Paddy

- **Title of on-farm trial:** Varietal evaluation of Paddy
- **Problem diagnosed:** Low yield/Pest Problems of Basamati Rice
- **Farming situation:** Irrigated
- **Production system and thematic area:** Rice -wheat production system
- **Farmers' Practices:** Use of PS-4 & 5 variety of Paddy

Details of technologies selected for assessment/refinement:

T1: Farmers practice - Use of PS-4 & 5 variety of Paddy

T2: Variety Pusa Basamati 1718

Source of technology: IARI, New Delhi

No. of farmers: 05

- **Critical input:** Seed+ package of practice
- **Performance indicators**
- **Technical**
 - Growth and yield attributes
 -

ii. Economic

- Gross yield
- Net yield
- B/C ratio
- **Social**

Determine the farmer reaction at the time of intervention

OFT- III

Crop/ Enterprises: Summer Groundnut

2. **Title of on farm trial:** Weed management in summer groundnut
3. **Farming Situation:** Irrigated
4. **Production System and Thematic Area:** Rice-Wheat+IWM
5. **Farmers Practice:** No use of herbicide

6. Detail of technologies selected for assessment/refinement

Use of Imazathyper @ 650ml/ha at 4 to 6 leave stage

7. **Source of technology:** Directorate of Weed Science, Jabalpur, MP
8. **No. of farmers:** 10
9. **Critical input:** Weedicide
10. **Performance Indicators**

Technical

Weed population and weed control efficiency

Economic

Yield, Net return

Social

Farmers reaction at the time of field day

Horticulture

OFT- IV

1. **Crop/Enterprise:** Musk Melon
2. **Title of on-farm trial:** Assessment of high yielding varieties of Musk Melon.
3. **Problem diagnosed:** Low production of okra due use of local varieties.
1. **Farming situation** - Irrigated
2. **Production system and thematic area:** Paddy – Wheat- Musk Melon production system
3. **Farmers' Practices:** Farmers grow local variety.
4. **Details of technologies selected for assessment/refinement:**
T1: Farmers practice (Unknown Variety)
T2: Varity- Kashi Madhu
5. **Source of technology:** IIVR, Varansi
6. **No. of farmers:** 05
7. **Critical input:** Seed
8. **Performance indicators**

i. Technical

1. Number of fruits per plant
2. Growth, Fruit quality, & yield attributing characters

OFT- V

1. **Crop/Enterprise:** Okra
2. **Title of on-farm trial:** Assessment of high yielding varieties of Okra.
3. **Problem diagnosed:** Low production of okra due use of local varieties.
4. **Farming situation** - Irrigated
5. **Production system and thematic area:** Paddy – Okra production system

6. **Farmers' Practices:** Farmers grow Private variety.
7. **Details of technologies selected for assessment/refinement:**
 T1: Farmers practice (Farmers grow Private variety)
 T2: Varsity- Hy. Kashi Bhairav
8. **Source of technology:** IIVR, Varansi
9. **No. of farmers:** 05
10. **Critical input:** Seed

11. **Performance indicators**

- Technical**
1. Number of fruits per plant
 2. Growth & yield attributing characters

ii. **Economic**

12. Net return (Rs/ha)
13. Cost benefit ratio

iii. **Social**

Farmers' reaction at the time of intervention

PLANT PROTECTION

OFT- VI

- **Crop/Enterprise:** Rice
- **Title of on-farm trial:** Management of False smut of Rice
- **Problem diagnosed:** Heavy loss due to False smut in scented Rice
- **Farming situation:** Irrigated
- **Production system and thematic area:** Rice– Wheat improved production system and IPM is thematic area
- **Farmers' Practices:** Use of substandard agro-chemicals / imbalanced doses
- **Details of technologies selected for assessment/refinement:**
 T1: Farmers practice (Spraying of CARBENDAZIM after Disease appearance)
 T2: Spraying of trifloxystrobin 25%+ tebuconazole 50% (Nativo 75WG) @ 0.4g/l at 100% panicle emergence stage
- **Source of technology:** Literature
- **No. of farmers :** 05
- **Critical input :** Seed, Chemicals
- **Performance indicators**

• **Technical**

Percent Disease incidence

ii. **Economic**

Net return (Rs/ha)
 Cost benefit ratio

iii. **Social**

Farmers' reaction at the time of field day

OFT- VII

1. **Crop/Enterprise:** Tomato
2. **Title of on-farm trial:** Sustainable Management of Tomato Leaf Curl Virus Disease
3. **Problem diagnosed:** Low production and poor quality of tomato due to high infestation Tomato Leaf Curl Virus
- **Farming situation -** Irrigated
- **Production system and thematic area:** Maize – Tomato production system
- **Farmers' Practices:** Use of Imidachloprid
- **Details of technologies selected for assessment/refinement:**
 T1: Farmers practice (Use of Imidachloprid/ Monocrotophos after disease appearance)
 T2; Nursery bed with nylon net cover+ Spraying of 2.0% Bioneem applied on 20, 35 and 45 DAT
- **Source of technology:** Available Literature
- **No. of farmers:** 05

- **Critical input:** Hybrid Seed+ chemicals
 - **Performance indicators**
- Technical**
1. No. of branches per plant.
 2. Number of fruits per plant
 3. Growth & yield attributing characters
- Economic**
- Net return (Rs/ha)
 - Cost benefit ratio
- Social :** Farmers' reaction at the time of intervention

OFT- VIII

1. **Crop/Enterprise:** Urd bean
2. **Title of on-farm trial:** Management of Urd bean yellow mosaic virus
3. **Problem diagnosed:** Low production and poor quality of urd due to high infestation Urd bean yellow mosaic virus

Farming situation - Irrigated

1. **Production system and thematic area:** Urdbean-Wheat- Vegetable
 2. **Farmers' Practices:** Use of Imidachloprid after disease appearance
 3. **Details of technologies selected for assessment/refinement:**
- T1:** Farmers practice (Use of Imidachloprid/Monocrotophos after disease appearance)
- T2;** Use of Thiomethoxam 25% WG @ 1gm /litre
4. **Source of technology:** Available Literature
 5. **No. of farmers:** 05
 6. **Critical input:** Seed+ chemicals
 7. **Performance indicators**
- 7.2.1 Technical**
1. Number of fruits per plant
 2. Growth & yield attributing characters
- 7.2.2 Economic**
1. Net return (Rs/ha)
 2. Cost benefit ratio
- iii. Social :** Farmers' reaction at the time of intervention

OFT- IX

1. **Crop/Enterprise:** Potato
2. **Title of on-farm trial:** Management of black scurf in Potatoes
3. **Problem diagnosed:** Low production and poor quality of Potatoes due to high infestation black scurf disease in potatoes

Farming situation - Irrigated

- **Production system and thematic area:** Bajra– Potato production system
 - **Farmers' Practices:** No use of any fungicides or spraying of Mancozeb after disease
 - **Details of technologies selected for assessment/refinement:**
 - **T1:** Farmers practice No use of any fungicides or spraying of Mancozeb after disease appearance)
 - T2:** MIRADOR (azoxystrobin) 23.1 % SC @ 1Litre/ha as seed treatment
 - **Source of technology:** Available Literature
 - **No. of farmers:** 05
 - **Critical input:** Hybrid Seed+ chemicals
 - **Performance indicators**
- Technical**
1. No. of Plants.
 3. Growth & yield attributing characters
- Economic**
- Net return (Rs/ha)
 - Cost benefit ratio
- Social :** Farmers' reaction at the time of intervention

Agricultural Extension

OFT No.X

1. Crop/Enterprise: Agricultural Extension Method (For All seasons)

- **Title of on-farm trial:** Comparative analysis of effectiveness of extension personnel mediated extension (Knowledge transfer by goathies, groups meetings etc) V/S ICT mediated extension (Whatsapp, Facebook groups etc)
- **Problem diagnosed:**
 - a. Less numbers of extension agents per unit of farmers group.
 - b. Costly extension personnel mediated extension per unit information dissemination
- **Farming situation** – Irrigated
- **Production system and thematic area:** Rice/ wheat/ pearl millets/ mustard
- **Farmers' Practices:** Passive receiver of the information available from information environment
- **Details of technologies selected for assessment**
 - T1: Farmers practice (Passive receiver of the information available in the information environment)
 - T2: Learning through extension personnel mediated extension
 - T3: Learning through ICT mediated extension
- **Source of technology:** Available literature
- **No. of farmers:** 25
- **Critical input:** ICT tools
- **Performance indicators**
 - Technical**
 - Gain in knowledge, skills acquired and attitude changed
 - Economic**
 - Cost per unit of information gain/ knowledge enhancement

OFT XII

1. **Crop/Enterprise:** ICT Tools
2. **Title of on-farm trial:**Development of location specific multimedia message modules for need based information sharing with farmers through WhatsApp
3. **Problem diagnosed:** Sharing of information with farmers without considering their information needs and preferences for message format
4. **Farming situation** – Irrigated
5. **Production system and thematic area:** Rice/ wheat/maize/ pearl millets/ mustard
6. **Farmers' Practices:** Passive receiver of the information sent by different sources
7. **Details of technologies selected for assessment**
 - T₁: Information sharing without considering farmers' information needs including forwards coming from different sources
 - T₂: Need based information sharing in text format
 - T₃: Need based information sharing in audio format
 - T₄:Need based information sharing in audio-visual format
8. **Source of technology:** Available literature
9. **No. of farmers:** 200
10. **Critical input:(Prerequisites)** : Smart phone withInternet connection
11. **Performance indicators**
 - Gain in knowledge, participation level of farmers and cost per unit information gain

- **Details of FLDs to be organized (Based on soil test analysis)**

Oil Seeds 2023

Sl. No.	Crop	Thematic area	Technology for demo.	Critical inputs	Season and year	Area (ha)	No. of farmers/ demo.	Parameters identified
•	Sesamum	ICM	Method of sowing	Seed+Sulphur	Kharif 2023	10	25	Yield & Net Profit
•	Mustard	ICM	HYV & Organic compost 5q/ha	Seed + sulphur + michorihza	Rabi 2023-24	10	25	Yield & Net Profit

Pulses 2023

I. No.	Crop	Thematic area	Technology for demo.	Critical inputs	Season and year	Area (ha)	No. of farmers/ demo.	Parameters identified
•	Kharif moong	ICM	Improved variety, Line sowing, Use of sulphur	Seed, Sulphur & weedicide	Kharif 2023	10	25	Yield, net return C:B ratio
•	Lentil	ICM	Improved variety, Line sowing, Use of sulphur	Seed, Sulphur & weedicide	Rabi 2023-24	10	25	Yield, net return C:B ratio
•	Summer Moong	ICM	HYV	Seed & Sulphur	Zaid 2023	10	25	Yield, net return C:B ratio

Other than oil seed & pulses 2023

Sl. No.	Crop	Thematic area	Technology for demo.	Critical inputs	Season and year	Area (ha)	No. of farmers / demo.	Parameters identified
•	Scented Paddy	ICM	HYV + Biofertilizer	Seed + Bio Fertilizer, Pusa 1509	Kharif 2023	05	12	Yield & Net Return
•	Wheat (Timely sown)	ICM	HD 2967, K7903 + Biofertilizer	Seed + Biofertilizer	Rabi 2023-24	05	12	Yield, net return B:C ratio
•	Wheat	IWM	Weed management	Weedicide	Rabi 2023-24	05	12	Yield, net return B:C ratio
•	Wheat	ICM	Nutrient Management	NPK Consortia (Liquid)	Rabi 2023-24	05	12	Yield, net return B:C ratio
•	Vegetables	ICM	ICM/INM/IPM		Rabi/Kharif/Summer	10	50	Yield, net return B:C ratio

Sponsored Demonstration

Sl. No.	Crop	Area (ha)	No. of farmers
	Mustard	0	0
	Lentil	0	0
	Urd/Mung	0	0

- **Extension and Training activities under FLDs**

S. No.	Activity	No. of activities	of Month	Number of participants
1	Field days	15	Sept, Feb, May	450
2	Farmers Training	15	Jun, Oct. March	450
3	Media coverage	30		
4	Training for extension functionaries	06	Jun, Oct. March	120

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

3.3 TRAINING

(Including the sponsored and FLD training programmes):

- ON Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	03	45	-	45	15	-	15	60
Resource Conservation Technologies								
Cropping Systems	01	15	-	15	05	-	05	20
Crop Diversification								
Integrated Farming	01	15	-	15	05	-	05	20
Water management	02	30	-	30	10	-	10	40
Seed production	01	15	-	15	05	-	05	20
Nursery management	01	15	-	15	05	-	05	20
Integrated Crop Management	04	60		60	20		20	80
Fodder production								
Production of organic inputs	01	15	-	15	05	-	05	20
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	01	15		15	05		05	20
Off-season vegetables	02	30	-	30	10	-	10	40
Nursery raising	01	15	-	15	05	-	05	20
Exotic vegetables like Broccoli	01	15		15	05		05	20
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	02	30	-	30	10	-	10	40
b) Fruits								
Training and Pruning	01	15	-	15	05	-	05	20
Layout and Management of	02	30	-	30	10	-	10	40

Orchards								
Cultivation of Fruit	01	15	-	15	05	-	05	20
Management of young plants/orchards	03	45	-	45	15	-	15	60
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques	01	15	-	15	05	-	05	20
c) Ornamental Plants								
Nursery Management								
Management of potted plants	01	15	-	15	05	-	05	20
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants	01	15	-	15	05	-	05	20
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition	02	30	-	30	10	-	10	40
f) Spices								
Production and Management technology	02	30	-	30	10	-	10	40
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management	01	15	-	15	05	-	05	20
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management	03	45	-	45	08	02	10	55
Soil and Water Conservation	01	15	-	15	05	-	05	20
Integrated Nutrient Management	01	15	-	15	05	-	05	20
Production and use of organic inputs	03	45	-	45	08	02	10	55
Management of Problematic soils	01	15	-	15	05	-	05	20
Micro nutrient deficiency in crops	02	30	-	30	08	02	10	40
Nutrient Use Efficiency	02	30	-	30	08	02	10	40
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening								
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								

Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition								
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management	03	45	-	45	15	-	15	60
Integrated Disease Management	06	90	-	90	30	-	30	120
Bio-control of pests and diseases	02	30	-	30	10	-	10	40
Production of bio control agents and bio pesticides	02	30	-	30	10	-	10	40
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
IX Production of Inputs at site								
Seed Production								
Planting material production								
X Capacity Building and Group Dynamics								
Leadership development	03	45	-	45	08	02	10	55
Group dynamics	01	15	-	15	05	-	05	20
Formation and Management of SHGs	02	30	-	30	08	02	10	40
Mobilization of social capital	03	45	-	45	08	02	10	55
Entrepreneurial development of farmers/youths	01	15	-	15	05	-	05	20
WTO and IPR issues	02	30	-	30	08	02	10	40
Others (Pl. Specify)- Utilization of information technology for information access	02	30	-	30	10	-	10	40
XI Agro-forestry								
Production technologies								
XII Others (Pl. Specify)-								
TOTAL	75	1125		1125	359	16	375	1500
(B) RURAL YOUTH								
Mushroom Production	01	15	-	15	05	-	05	20
Bee-keeping	01	25		25	05		05	30
Integrated farming								
Seed production	03	45	-	45	15	-	15	60

Commercial fruit production	01	15		15	05		05	20
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	01	15		15	05		05	20
Training and pruning of orchards								
Value addition	01	15		15	05		05	20
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Poultry production								
Ornamental fisheries								
Para vets								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
TOTAL	08	130		130	40		40	170
(C) Extension Personnel								
Productivity enhancement in field crops	03	45		45	15		15	60
Integrated Pest Management	04	60		60	20		20	80
Integrated Nutrient management	02	30		30	10		10	40
Rejuvenation of old orchards	01	15		15	05		05	20
Protected cultivation technology	01	15		15	05		05	20
Formation and Management of SHGs	01	15		15	05		05	20
Group Dynamics and farmers organization	01	15		15	05		05	20
Information networking among farmers	01	15		15	05		05	20
Livestock feed and fodder production								
Household food security	01	15		15	05		05	20
Women and Child care								
Low cost and nutrient efficient diet designing	01	15		15	05		05	20
Production and use of organic inputs	01	15		15	05		05	20
Gender mainstreaming through SHGs	02	30		30	10		10	40
Any other (Pl. Specify)								
TOTAL	21	315		315	105		105	420
G. Total	92	1390		1390	442	8	450	1840

• OFF Campus

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
(A) Farmers & Farm Women									
I Crop Production									
Weed Management	01	15	-	15	05	-	05	20	
Resource Conservation Technologies									
Cropping Systems	01	15	-	15	05	-	05	20	
Crop Diversification	01	15	-	15	05	-	05	20	
Integrated Farming									
Water management	01	15	-	15	05	-	05	20	
Seed production	01	15	-	15	05	-	05	20	
Nursery management									
Integrated Crop Management	01	15	-	15	05	-	05	20	
Fodder production	01	15	-	15	05	-	05	20	
Production of organic inputs									
II Horticulture									
a) Vegetable Crops									
Production of low volume and high value crops	01	15		15	05		05	20	
Export potential vegetables	01	15		15	05		05	20	
Grading and standardization									
b) Fruits									
Layout and Management of Orchards	01	15		15	05		05	20	
Cultivation of Fruit	01	15		15	05		05	20	
Rejuvenation of old orchards	01	15		15	05		05	20	
Nursery Management	01	15		15	05		05	20	
Management of potted plants	01	15		15	05		05	20	
Export potential of ornamental plants	01	15		15	05		05	20	
g) Medicinal and Aromatic Plants									
Nursery management	01	15	-	15	05	-	05	20	
Production and management technology	01	15	-	15	05	-	05	20	
Post harvest technology and value addition									
III Soil Health and Fertility Management									
Soil fertility management	03	45		45	15		15	60	
Integrated Nutrient Management	01	15	-	15	05	-	05	20	
Production and use of organic inputs	01	15	-	15	05	-	05	20	
Management of Problematic soils	02	30		30	10		10	40	
Micro nutrient deficiency in crops	01	15		15	05		05	20	
Soil and Water Testing	01	15		15	05		05	20	
VII Plant Protection									
Integrated Pest Management	02	30		30	10		10	40	
Integrated Disease Management	01	15	-	15	05	-	05	20	
X Capacity Building and Group Dynamics									
Leadership development	01	15	-	15	05	-	05	20	

Group dynamics	01	15	-	15	05	-	05	20
Formation and Management of SHGs(HS)	01	15	-	15	05	-	05	20
Mobilization of social capital	01	15	-	15	05	-	05	20
Entrepreneurial development of farmers/youths (Agro.)	01	15	-	15	05	-	05	20
WTO and IPR issues	01	15	-	15	05	-	05	20
XII Others (Pl. Specify)								
TOTAL	32	480		480	160		120	480

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	04	60		60	20		20	80
Cropping Systems	02	30		30	10		10	40
Water management	02	30		30	10		10	40
Seed production	02	30		30	10		10	40
Nursery management	01	15		15	5		5	20
Integrated Crop Management	04	60		60	20		20	80
Fodder production	01	15		15	5		5	20
Production of organic inputs	01	15		15	5		5	20
II Horticulture	17	255		255	85		85	340
a) Vegetable Crops								
Production of low volume and high value crops	02	30		30	10		10	40
Off-season vegetables	02	30		30	10		10	40
Nursery raising	01	15		15	5		5	20
Exotic vegetables like Broccoli	01	15		15	5		5	20
Export potential vegetables	01	15		15	5		5	20
Protective cultivation (Green Houses, Shade Net etc.)	02	30		30	10		10	40
b) Fruits								
Layout and Management of Orchards	02	30		30	10		10	40
Cultivation of Fruit	03	45		45	15		15	60
Management of young plants/orchards	02	30		30	10		10	40
Rejuvenation of old orchards	03	45		45	15		15	60
Export potential fruits	01	15		15	5		5	20
Plant propagation techniques	01	15		15	5		5	20
c) Ornamental Plants								
Nursery Management	01	15		15	5		5	20
Management of potted plants	02	30		30	10		10	40
Export potential of ornamental plants	01	15		15	5		5	20
Propagation techniques of Ornamental Plants	01	15		15	5		5	20
d) Plantation crops								
Processing and value addition	02	30		30	10		10	40
f) Spices								
Production and Management technology	02	30		30	10		10	40
g) Medicinal and Aromatic Plants								
Nursery management	02	30		30	10		10	40
Production and management technology	01	15		15	5		5	20

Post harvest technology and value addition								
(B) RURAL YOUTH	33	495		495	165		165	660
Mushroom Production	01	15	-	15	05	-	05	20
Bee-keeping	01	25		25	05		05	30
Seed production	03	45	-	45	15	-	15	60
Repair and maintenance of farm machinery and implements	01	15		15	05		05	20
Training and pruning of orchards	01	15		15	05		05	20
Production of quality animal products	01	15		15	05		05	20
TOTAL	8	120		120	40		40	160
(C) Extension Personnel								
Productivity enhancement in field crops	01	15		15	05		05	20
Integrated Pest Management	04	60		60	20		20	80
Integrated Nutrient management	02	30		30	10		10	40
Rejuvenation of old orchards	01	15		15	05		05	20
Protected cultivation technology	01	15		15	05		05	20
Formation and Management of SHGs	01	15		15	05		05	20
Group Dynamics and farmers organization	01	15		15	05		05	20
Information networking among farmers	01	15		15	05		05	20
Household food security	01	15		15	05		05	20
Women and Child care								
Low cost and nutrient efficient diet designing	01	15		15	05		05	20
Production and use of organic inputs	01	15		15	05		05	20
Gender mainstreaming through SHGs	02	30		30	10		10	40
Any other (Pl. Specify)								
TOTAL	17	255		255	85		85	340
G. Total								
III Soil Health and Fertility Management								
Soil fertility management	06	90		90	23	2	25	115
Soil and Water Conservation	01	15		15	5		5	20
Integrated Nutrient Management	02	30		30	10		10	40
Management of Problematic soils	05	75		75	18	2	20	95
Micro nutrient deficiency in crops	02	30		30	10		10	40
Nutrient Use Efficiency	02	30		30	10		10	40
Soil and Water Testing	03	45		45	15		15	60
IV Livestock Production and Management	21	315		315	105		105	420
VII Plant Protection								
Integrated Pest Management	5	75		75	25		25	100
Integrated Disease Management	7	105		105	35		35	140
Bio-control of pests and diseases	03	45		45	15		15	60
Production of bio control agents and bio pesticides	03	45		45	15		15	60
VIII Fisheries	13	195		195	65		65	160
X Capacity Building and Group Dynamics								
Leadership development	01	15		15	5		5	20
Group dynamics	01	15		15	5		5	20
Formation and Management of SHGs	01	15		15	5		5	20
Mobilization of social capital								
Entrepreneurial development of	01	15		15	5		5	20

farmers/youths								
WTO and IPR issues	02	30		30	10		10	40
XI Agro-forestry	6	90		90	30		30	120
(B) RURAL YOUTH								
Mushroom Production	01	15		15	5		5	20
Bee-keeping	01	15		15	5		5	20
Integrated farming								
Seed production	03	45		45	15		15	60
Commercial fruit production	01	15		15	5		5	20
Nursery Management of Horticulture crops	01	15		15	5		5	20
Training and pruning of orchards	01	15		15	5		5	20
TOTAL	8	120		120	40		40	160

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(C) Extension Personnel								
Productivity enhancement in field crops	01	15		15	5		5	20
Integrated Pest Management	4	60		60	20		20	20
Integrated Nutrient management	02	30		30	10		10	40
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs	01	15		15	5		5	20
Group Dynamics and farmers organization	01	15		15	5		5	20
Information networking among farmers	01	15		15	5		5	20
Capacity building for ICT application	01	15		15	5		5	20
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals	01	15		15	5		5	20
Livestock feed and fodder production	01	15		15	5		5	20
Household food security	01	15		15	5		5	20
Women and Child care	01	15		15	5		5	20
Low cost and nutrient efficient diet designing	01	15		15	5		5	20
Production and use of organic inputs	01	15		15	5		5	20
Gender mainstreaming through SHGs	02	30		30	10		10	40
Any other (Pl. Specify)								
Total	19	285		285	95			
G. TOTAL	125	2000		2000	625	8	625	2625

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	20	600	60	660	40	-	40	640	60	700
Kisan Mela	01	800	70	870	30	-	30	830	70	900
Kisan Gosthi	10	1000	50	1050	30	-	30	1030	50	1080
Exhibition	-	-	-	-	-	-	-	-	-	-
Film Show	04	180	20	200	30	-	35	200	35	235
Farmers Seminar	05	150	-	150	-	-	-	150	-	150
Workshop	-	-	-	-	-	-	-	-	-	-

Group meetings	-									
Lectures delivered as resource persons	05	75	-	75	05	-	05	80	-	80
Newspaper coverage	40	2000	-	200	400	-	400	2400	200	2600
Radio talks	3	-	-	-	-	-	-	-	-	-
TV talks	01	-	-	-	-	-	-	-	-	-
Popular articles	02	-	-	-	-	-	-	-	-	-
Extension Literature	04	-	-	-	-	-	-	-	-	-
Advisory Services	12	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	60	480	-	480	-	-	-	480	-	480
Farmers visit to KVK	500	400	100	-	-	-	-	500	-	500
Diagnostic visits	02	30	-	30	-	-	-	30	-	30
Exposure visits	2	100	--	-	-	-	-	100	-	100
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-
Soil health Camp	02	200	-	-	10	-	-	210		210
Animal Health Camp	.	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	02	200	-	-	10	-	-	210		210
Farm Science Club Conveners meet										
Self Help Group Conveners meetings	02	1200	-	1200	-	-	-	1200	-	1200
Mahila Mandals Conveners meetings										
Celebration of important days (specify)	02	30	-	30	-	-	-	30	-	30
Krishi Mohostva	01	50	05	55	10	-	10	60	05	65
Krishi Rath	-	-	-	-	-	-	-	-	-	-
Pre Kharif workshop	01	800	70	870	30	-	30	830	70	900
Pre Rabi workshop	01	800	70	870	30	-	30	830	70	900
PPVFRA workshop										
Any Other (Specify)										
PMFBY Sammelan	01	800	70	870	30	-	30	830	70	900
Soil Health Cards distribution	1000	700	300	1000						
Total	1683	10695	815	11510	655		655	11350	815	12166

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)	Distributed to the farmers (Nos.)
CEREALS	Paddy	PS 1718	200	200
	Wheat	DBW-187 (Karan Vandana)	250	250
VEGETABLES	Onion	Agrifound Dark Red	40000	50

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Distributed to the farmers (Nos.)
FRUITS				
	Papaya	Pusa Nanha	1000.00	500
	Aonla	Narendra-6, Narenra-7	1000.00	500
VEGETABLES	Tomato	KashiAnupam	15000.00	1500
	Cauliflower	KashiAghani	5000.00	500
	Cabbage	Drum Head	5000.00	500
	Chilli	KashiSurkh	15000.00	1500
	Brinjal	KashiSandesh	5000.00	500
		Total	47000	5500

3.6 Literature to be Developed/Published

- **KVK News Letter** : 03
Date of start : March-2023
Number of copies to be published : 500

(B) Literature developed/published

S.No.	Topic	No.	Name of Journal/literature
1	Research paper by each scientist	1	
2	Technical reports	5	
3	News letters	3	
4	Training manual all discipline	3	
5	Popular article	3	
6	Extension literature	10	
	Total	25	

(C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	VCD/DVD	IPM and INM of rice vegetables and pulses	03
		Resource conservation technology	03
		Crop residue management	03
		How to buildup	03

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

Attached Annexure II

- 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) Observation

- b) Focused Group Discussion
- c) Interview

Rural Youth

- a) Interview
- b) Group Discussion
- c)
- d)

In-service personnel

- a) Group discussion
- b) Interview
- c) Critical Incident Technique

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) Survey

For FLD:

- New variety/technology
- Poor yield at farmer's level
- Existing cropping system
- Survey

3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year) - Beiloth and Paharipur from Iglash block and Kallupura and Sumerpur from block Jawan, Dhaura Palan, Keshopur Jafari from Lodha block, Manpur Khurd from Khair block of Aligarh
- ii. No. of farm families selected per village: 20
- iii. No. of survey/PRA conducted: one in each village
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages: 6
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

- 1. Year of establishment : 2001
- 2. List of equipment's purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1.	L.G Fridge Double Door with stabilizer (Not Working)	01	19,000.00
2.	Jeldhal Digestion set(One Not Working)	02	40,795.00
3.	Digital Flame Photometer	01	21,900.00
4.	Spectrophotometer	01	1,14,400.00
5.	PH meter	01	19,700.00
6.	Physical Balance	01	19,000.00
7.	Electric Oven	01	13,990.00
8.	Mixer Grinder	05	22,650.00
9.	Conductivity meter	01	14,940.00
10.	Analytical Balance	01	65,950.00
11.	Shaker(One Not Working)	01	39,600.00
12.	Hot Plate	10	18,905.00
	Total	31	4,12,844

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	1000	500	25	10000
Water				
Plant				
Total	1000	500	25	10000

4. LINKAGES

4.1 Functional linkage with different organizations

S.No.	Name of organization	Nature of Linkage
1.	Department of Agriculture	Training, Kisangosthies and procurement of seed
2.	Department of Horticulture	Participation in meeting, farmers fair, procurement of seed
3.	Department of animal husbandry	Participation in meeting, organizing animal health camp, availability of vaccines.
4.	Regional rural banks	Joint implementation of programmes
5.	Department of soil and water conservation	Training programme, advisory services.
6.	IIPR	Procurement of seed and bio-fertilizer, advisory services.
7.	Department of fisheries	Participation in meeting and gosthi
8.	Department of forestry	Participation in meeting, Training. Procurement of plants.
9.	Women & child development department	Training, Participation in farmers fair & SAC,
10.	IFFCO	Joint programme, training, demonstration

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district : No

S. No.	Programme	Nature of linkage
1		
2		

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1		
2		No

4.4 Nature of linkage with National Fisheries Development Board

S. No.	programmes	Nature of linkage
1		
2		NO

5. Utilization of hostel facilities

S. No.	Programmes	No. of days
1		
2		NO, hostel is not furnished
	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 (2023-22)

S. No.	Name of Programme	Detailed Achievements	Technical	Physical (infrastructural achievement)
1	TSP Project			
2	ARYA Project			
3	CFLD-NFSM Project			
	i. Kharif season	10 h (Urd bean)		
	ii. Rabi season	30 h (Mustard & Chichpea)		
	iii. Summer season			
4	CSISA Project			
5	NICRA Project			
6	Soil Health Card	650 samples analyzed		Mridaparikshak kit
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	Thematic Area	No. of Courses	No. of Participants						Grand Total
				Others			SC/ST			
				Male	Female	Total	Male	Female	Total	
		(A) Farmers & Farm Women								
		I Crop Production								
Jan.,2023	PF	IWNM in Summer Groundnut	01	15	-	15	05	-	05	20
Feb., 2023	PF	ICM in summer bajra	01	15	-	15	05	-	05	20
March, 2023	PF	Role of Micronutrient for higher production in Zaid Pilses	01	15	-	15	05	-	05	20
April,2023	PF	Residue management in Rice-Wheat cropping system	01	15	-	15	05	-	05	20
May, 2023	PF	Weed management in kharif pulses	02	30	-	30	10	-	10	40
June, 2023	PF	Nursery management in Paddy	01	15	-	15	05	-	05	20
July,2023	PF	Weed management in paddy	01	15	-	15	05	-	05	20
Sept., 2023	PF	Water management in Paddy	01	15	-	15	05	-	05	20
Sept., 2023	PF	Seed production in pulses	01	15	-	15	05	-	05	20
Oct., 2023	PF	Seed production in Mustard	02	30	-	30	10	-	10	40
Nov., 2023	PF	Pulse cultivation tech.	01	15	-	15	05	-	05	20
Dec., 2023	PF	IPNM in wheat	01	15	-	15	05	-	05	20
		II Horticulture								
		a) Vegetable Crops								
Jan.,2023	PF	Propagation technique in aonla	01	15	-	15	05	-	05	20
Feb.,2023	PF	Kharif onion production techniques	01	15	-	15	05	-	05	20
Feb, 2023	PF	Nursery raising in low tunnel poly house	01	15	-	15	05	-	05	20
March, 2023	PF	Layout, digging & filling	01	15		15	05		05	20

		of pits for guava plantation								
April,2023	PF	Layout, digging & filling of pits for mango plantation	02	30	-	30	10	-	10	40
May, 2023	PF	Layout, digging & filling of pits for aonla plantation	01	15	-	15	05	-	05	20
June, 2023	PF	Turmeric cultivation techniques	01	15		15	05		05	20
July,2023	PF	Cultivation of medicinal plants	02	30	-	30	10	-	10	40
Sept., 2023	PF	Irrigation of orchards by drip system	01	15	-	15	05	-	05	20
Sept., 2023	PF	Early cauliflower cultivation techniques	02	30	-	30	10	-	10	40
Oct., 2023	PF	Pruning and training of ber	01	15	-	15	05	-	05	20
Nov., 2023	PF	Management of young guava &aonla orchards	03	45	-	45	15	-	15	60
		III Soil Health and Fertility Management								
May, 2023	PF	Soil fertility management	03	45	-	45	08	02	10	55
June, 2023	PF	Soil and Water Conservation	01	15	-	15	05	-	05	20
July,2023	PF	Integrated Nutrient Management rice	01	15	-	15	05	-	05	20
Sept., 2023	PF	Production and use of organic inputs	02	30	-	30	08	02	10	40
Sept., 2023	PF	Management of Problematic soils	01	15	-	15	05	-	05	20
Oct., 2023	PF	Micro nutrient deficiency in crops wheat	02	30	-	30	08	02	10	40
Nov., 2023	PF	Nutrient Use Efficiency pulses	02	30	-	30	08	02	10	40
		VII Plant Protection								
Jan.,2023	PF	Integrated pest management for summer pulses and vegetables	01	15	-	15	05	-	05	20
Feb.,2023	PF	Use of bio control agents in pulses	01	15	-	15	05	-	05	20
Feb, 2023	PF	Preparation & use of NPV and NSKE	01	15	-	15	05	-	05	20
March, 2023										
April,2023	PF	Disease management in paddy	01	15	-	15	05	-	05	20
May, 2023	PF	Disease management in pigeon pea	01	15	-	15	05	-	05	20
June, 2023	PF	Integrated pest management for paddy	01	15	-	15	05	-	05	20
July,2023	PF	Preparation & use of NSKE& NPV	01	15	-	15	05	-	05	20
Sept., 2023	PF	Biological control of pod borer in pigeon pea	01	15	-	15	05	-	05	20
Sept., 2023	PF	Integrated disease management for mustard	01	15	-	15	05	-	05	20
Oct., 2023	PF	Integrated pest management for mustard	01	15	-	15	05	-	05	20
Nov., 2023	PF	Disease management in potato	01	15	-	15	05	-	05	20
		Agril. Ext.								
Jan.,2023	PF	Precaution in agricultural activities during Covid-19	01	15	-	15	05	-	05	20

Feb.,2023	PF	Awareness of govt. schemes	01	15	-	15	05	-	05	20
Feb, 2023	PF	Motivation to farmers for Vermi composting and Nedap	01	15	-	15	05	-	05	20
March, 2023	PF	Soil composition/structure by fire of paddy straw in field	01	15	-	15	05	-	05	20
April,2023	PF	Motivation to crop residue management (CRM)	02	15	-	15	05	-	05	20
May, 2023	PF	Motivation to Soil testing and their important	01	15	-	15	05	-	05	20
June, 2023	PF	Motivation to IFS model	01	15	-	15	05	-	05	20
July,2023	PF	Farmer producer organization (FPO)	03	15	-	15	05	-	05	20
Sept., 2023	PF	Capacity building of farmers through agriculture information	02	15	-	15	05	-	05	20
Sept., 2023	PF	Motivation to farmers for DFI	01	15	-	15	05	-	05	20
Oct., 2023	PF	Motivation, Formation, and Strengthening of farmers clubs	03	15	-	15	05	-	05	20
Nov., 2023	PF	Awareness about safety in agricultural operations	01	15	-	15	05	-	05	20
Dec.,2023	PF	Utilization of information technology for information access	01	15	-	15	05	-	05	20
		TOTAL								
		G. Total	74	1020	0	1020	327	8	335	1355

• **OFF Campus**

		Training title*	No. Courses of	No. of Participants						Grand Total
				Others			SC/ST			
				Male	Female	Total	Male	Female	Total	
Crop Production										
Jan,2023	PF	IWNM in Zaid Groundnut	01	15	-	15	05	-	05	20
Feb, 2023	PF	Resource conservation in Zaid Pulses	0	15	-	15	05	-	05	20
April,2023	PF	Foliar application of NPK in cereal crops	01	15	-	15	05	-	05	20
May, 2023	PF	INM in rice	01	15	-	15	05	-	05	20
June, 2023	PF	IWNM in Hybrid paddy	01	15	-	15	05	-	05	20
July,2023	PF	IWNM in Kharif Oilseed	01	15	-	15	05	-	05	20
Sept., 2023	PF	Early & line sowing of Mustard for higher return	01	15	-	15	05	-	05	20
Sept., 2023	PF	Introduction of Rabi Maize for higher return in Rice_Wheat cropping system	01	15	-	15	05	-	05	20
Oct., 2023	PF	Role of Sulphur and	01	15	-	15	05	-	05	20

		Micorhiza in Rabi Oilseed								
Nov., 2023	PF	IWNM in Wheat	01	15	-	15	05	-	05	20
Dec.,2023	PF	Roughing technique in Wheat for quality seed	01	15	-	15	05	-	05	20
Horticulture										
Jan,2023	PF	Turmeric cultivation techniques	01	15	-	15	05	-	05	20
Feb, 2023	PF	Cultivation of medicinal plants	01	15	-	15	05	-	05	20
April,2023	PF	Turmeric cultivation techniques	01	15		15	05		05	20
May, 2023	PF	Cultivation of medicinal plants	01	15		15	05		05	20
June, 2023	PF	Irrigation of orchards by drip system	01	15		15	05		05	20
July,2023	PF	Early cauliflower cultivation techniques	01	15		15	05		05	20
Sept., 2023	PF	Pruning and training of ber	01	15		15	05		05	20
Sept., 2023	PF	Management of young guava &aonla orchards	01	15		15	05		05	20
Oct., 2023	PF	Management of young guava &mango orchards	01	15		15	05		05	20
Nov., 2023	PF	Propagation technique in aonla	01	15		15	05		05	20
Dec.,2023	PF	Layout, digging & filling of pits for aonla plantation	01	15		15	05		05	20
Soil Health and Fertility Management										
April, 2023	PF	Soil fertility management	03	45		45	15		15	60
My, 2023	PF	Integrated Nutrient Management	01	15	-	15	05	-	05	20
June, 2023	PF	Production and use of organic inputs	01	15	-	15	05	-	05	20
July, 2023	PF	Management of Problematic soils	02	30		30	10		10	40
July, 2023	PF	Micro nutrient deficiency in crops	01	15		15	05		05	20
Sept., 2023	PF	Soil and Water Testing	01	15		15	05		05	20
Plant Protection										
January, 2023	PF	Integrated pest management for mustard	01	15	-	15	05	-	05	20
June, 2023	PF	Integrated pest management for paddy	01	15	-	15	05	-	05	20
August, 2023	PF	Preparation & use of NSKE& NPV	01	15	-	15	05	-	05	20
December, 2023	PF	Biological control of pod borer in pigeon pea	01	15	-	15	05	-	05	20
December, 2023	PF	Integrated disease management for mustard	01	15	-	15	05	-	05	20
Agril. Extension										

Jan,2023	PF	Role of Gram Sabha and public information in social mobilization	01	15	-	15	05	-	05	20
Feb, 2023	PF	Motivation, Formation, Strengthening of farmers clubs	01	15	-	15	05	-	05	20

April,2023	PF	Formation of farmers associates for profitable marketing of agriculture products	01	15	-	15	05	-	05	20
May, 2023	PF	Motivation for kharif onion	01	15	-	15	05	-	05	20
June, 2023	PF	Protection of plant varieties and farmers' right authority (PPVFRA)	01	15	-	15	05	-	05	20
July,2023	PF	Motivation to farmers for IFS	01	15	-	15	05	-	05	20
Sept., 2023	PF	Motivation and awareness to farmers for CRM	01	15	-	15	05	-	05	20
Sept., 2023	PF	To awareness about use of chemicals on standing crops	01	15	-	15	05	-	05	20
Oct., 2023	PF	Soil testing and their important	01	15	-	15	05	-	05	20
Nov., 2023	PF	Motivation and awareness to farmers for Govt. schemes specially PMFBY and linkage	01	15	-	15	05	-	05	20
Dec.,2023	PF	Motivation and Awareness about mechanization	01	15	-	15	05	-	05	20
		TOTAL	47	705	0	705	235	0	235	940

C) Vocational training programmes for Rural Youth

On Campus /Off campus

S. No.	Date	Clientele	Title of the training programme	Nos of course	Days	Participants						G.t.
						Others			SC/ST			
						M	F	Total	M	F	Total	
1.	July 23	RY	Broiler farming	1	5	5	-	5	-	-	-	5
2.	Aug 23	RY	Goat farming	1	3	7		7			7	7

D) Vocational training programmes for Extension functionaries

On/Off Campus

S. No.	Date	Clientele	Title of the training programme	Nos of course	Days	Participants						G.T.
						Others			SC/ST			
						M	F	Total	M	F	Total	
1	JULY-23	EF	Management of animals during rainy season	1	1	40	-	40	-	-	40	40
3.	OCT.-23	EF	Management of animals during winter season	1	1	40	-	40	-	-	40	40
4.	NOV.23	EF	Clean milk production	1	1	40	-	40	-	-	40	40

			Techniques									
5.	FEB.-23	EF	Green fodder production for summer	1	1	40	-	40	-	-	40	40

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total	
					M	F	T	M	F	T		
• Sponsored training programme												
Horticulture	State HortiDept	PF	Production of offseason veg	5	75	5	80	21	4	25	100	
Soil Science	DD soil science	Pf	INM	2	28	2	30	10		10	40	
Total												
• Sponsored research programme												
Total												
Total					105	7	110	31	4	35	140	

ii) Vocational training programmes for Rural Youth

Crop Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			of SC/ST participants			G.Total
					M	F	T	M	F	T	
Mushroom	As income generating enterprises among youth	Mushroom Production	May, 2020	01	15	-	15	05	-	05	20
--	As income generating enterprises among youth	Bee-keeping	June,2020	01	25		25	05		05	30
Summer Vegetables	Integrated plant nutrient management	Integrated farming	July,2020								
Wheat	Seed replacement	Seed production	Sep., 2020	02	30	-	30	08	02	10	40
Marigold	Floriculture as income generating enterprises among youth	Commercial fruit production	October, 2020	01	15		15	05		05	20
Tomato	Nursery management of vegetables and fruit crops	Nursery Management of Horticulture crops	November, 2020	01	15		15	05		05	20
Mango	Integrated Crop Management	Training and pruning of orchards	December,2020	01	15		15	05		05	20
Aonla	Value addition	Value addition	January,2023	01	15		15	05		05	20
TOTAL				8	120		120	40		40	160

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
April, 2023	EF	Productivity enhancement in field crops	01	15		15	05		05	20
My, 2023	EF	Integrated Pest Management rice	04	60		60	20		20	80
June, 2023	EF	Integrated Nutrient management rice	02	30		30	10		10	40
July, 2023	EF	Rejuvenation of old orchards	01	15		15	05		05	20
July, 2023	EF	Protected cultivation technology	01	15		15	05		05	20
Sept., 2023	EF	Formation and Management of SHGs	01	15		15	05		05	20
Sept., 2023	EF	Group Dynamics and farmers organization	01	15		15	05		05	20
Oct., 2023	EF	Information networking among farmers	01	15		15	05		05	20
Oct., 2023	EF	Rejuvenation of old orchards	01	15		15	05		05	20
Jan., 2023	EF	Integrated Nutrient management wheat	01	15		15	05		05	20
Feb., 2023	EF	Production and use of organic inputs	01	15		15	05		05	20
Feb., 2023	EF	Gender mainstreaming through SHGs	02	30		30	10		10	40
TOTAL			21	315		315	105		105	420

ANNUAL ACTION PLAN

KVK SITAPUR

(January to December, 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
	Office	FAX		
Krishi Vigyan Kendra, Anaugi, Jalalabad District- Kannauj (U.P.)	9415488976		kvk.kannauj@gmail.com vijaikr.kanaujia@gmail.com	

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

Address	Telephone		E mail	Website
	Office	FAX		
Chandra Shekhar Azad University of Agriculture & Technology, Kanpur	0512-2549106		vccsau@gmail.com	csauk.ac.in

1.2.b. Status of KVK website : Yes

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

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

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. VIJAI KUMAR KANAUJIA		09415488976	kvk.kannauj@gmail.com vijaikr.kanaujia@gmail.com

1.4. Year of sanction: 2004

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	Category (SC/ST/OBC/Others)	Mobile No.	Email id
1	Head	Dr. V. K. Kanaujia	Head	Soil Cons. & Water Mgt.	37400-67000	9000	70270	12-01-01	Permanent	OBC	9415488976	Kvk.kannauj@gmail.com, vijai.kr.kanaujia@gmail.com
2	SMS	Dr.Arvind kumar	Scientist (Soil Science)	Soil Science	15600-39100	8000	38190	29-11-04	Permanent	OBC	8887942115	arvindkumarkvk@gmail.com
3	SMS	Dr. C K Rai	Scientist (A.H.)	Animal Sc	15600-39100	8000	39220	29-11-04	Permanent	OBC	8840346264	ckr17knp@gmail.com
4	SMS	Dr. Poonam Singh	Scientist (H.Sc.)	Home Sc.	15600-39100	8000	38260	29-11-04	Permanent	Others	9453307099	poonam8sep@yahoo.co.in
5	SMS	Dr. Sushil kumar	Scientist (Extn)	Agri. Extn	15600-39100	7000	37030	03-12-04	Permanent	OBC	9839195654	
6	SMS	Dr. Amar Singh	Scientist (Hort)	Hort.	15600-39100	7000	37030	07-12-04	Permanent	OBC	8574046715	amarkvk@gmail.com
7	SMS	Dr. Chandra Kala	Scientist (H. Sc.)	Home Sc..	15600-39100	7000	37030	09-12-04	Permanent	OBC	9793295777	chandrakalacsa@gmail.com
8	Prog. Assistant	Vacant	Prog Asstt (Com)		44900-142400	4600						
9	Prog. Assistant	Vacant	Pro Asstt (Thrust Area)		44900-142400	4600						
10	Farm Manager	Vacant			44900-142400	4600	58600					
11	Accountant/ Superintendent	Vacant	O.S.		44900-142400	4600						
12	Stenographer	Smt. Anita Katiyar	Jr. Steno Cum Com. Operator		29200-92300	2400	39200	19-05-07	Permanent	OBC	9793085587	
13	Driver	Shri Ajai Kumar	Jeep Driver		25500-81100	4200	39800	03-09-91	Permanent	OBC		
14	Driver	Sri Anil kumar	Tractor Driver		25500-81100	4200	39800	03-09-91	Permanent	OBC		
15	Supporting staff	Shri Raj Bahadur	Attendant		19900-63200	1800	29300	01-03-06	Permanent	SC		
16	Supporting staff	Shri Raje Lal	Attendant		19900-63200	1800	27600	01-02-06	Permanent	OBC		

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.0
2.	Under Demonstration Units	1.0
3.	Under Crops	4.0
4.	Orchard/Agro-forestry	0.6
5.	Natural farming	0.4
6.	Water harvesting	0.3
7.	Others (Roads, boundary, lawn)	1.93
	Total	9.23

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete					
			Completion Date				Completion Date	
1.	Administrative Building	ICAR	Constructed	1.	Administrative Building	ICAR	Constructed	1.
2.	Farmers Hostel	ICAR	Constructed	2.	Farmers Hostel	ICAR	Constructed	2.
3.	Staff Quarters (6)	ICAR	Under Construction	3.	Staff Quarters (6)	ICAR	Under Construction	3.
4.	Demonstration Units (2)	ICAR	-	4.	Demonstration Units (2)	ICAR	-	4.
5	Fencing	ICAR		5	Fencing	ICAR		5
6	Rain Water harvesting system	-	-	6	Rain Water harvesting system	-	-	6
7	Threshing floor	ICAR	Constructed	7	Threshing floor	ICAR	Constructed	7
8	Farm godown	ICAR	Constructed	8	Farm godown	ICAR	Constructed	8

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero Jeep	2019	800000	-	Attached
Tractor Messey Furguson	2005	348254.13	-	Working
Motor Cycle	2010	49737.00	14605	Working

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Thrasher 30-H.P.	2005	47800.00	Working
Cultivator	2005	12265.00	Working
Tractor Trolley	2005	52000.00	Working
Disc harrow (12 disc)	2005	21500.00	Working
Leveler	2005	7500.00	Working
Seed drill	2005	22300.00	Working
Xerox machine	2007	60500.00	Not working
LCD Projector	2007	89216.00	Working
UPS	2019	5200.00	Working
Computer-2	2019	99300.00	Working
Laser printer	2019	17000.00	Working
Scanner	2007	2600.00	Not Working
Stabilizer	2007	7400.00	Not Working
Handy cam	2007	44400.00	Not Working

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

Particular	Date
Scientific Advisory Committee	September, 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.	Maize-potato-maize, Maize-potato-late sown wheat
2.	Maize-potato-summer vegetables
3.	Rice-wheat
4.	Groundnut-potato-Mungbean/Urdbean
5.	Maize-Potato- Mungbean/Urdbean
6.	Garlic, onion, Vegetable pea for green pods and water melon, cucumber and cucurbits are components of farming system
7.	Mango and guava orchard and riverbed farming system are also in practices

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

a) Soil Type

Agro-climatic Zone	Characteristics	
South-western plain zone	1	Major crop growing zone of U.P.
	2	Cropping intensity is 160%.
	3	Soil is alluvial, calcareous, saline & alkaline.
	4	Average rainfall is about 753.4 mm. & temperature maximum 42°C and minimum 6°C during winter.
	5	Major crops are maize, potato, sunflower, wheat, groundnut, summer vegetable, summer pulses etc.

) Topography

S. No	Agro ecological situation	Characteristics
1.	AES-I	<ol style="list-style-type: none"> 1. Soil is loam 2. 25% cultivated area located in its agro ecological situation. 3. All the major crops are cultivated.
2.	AES-II	<ol style="list-style-type: none"> 1. Soil is sandy loam 2. 46% cultivated area located in this region. 3. Major crops are Maize, potato, sunflower, wheat summer vegetable, mango, guava, jack fruits, cows, buffaloes
3.	AES-III	<ol style="list-style-type: none"> 1. Soil is clay loam / silty loam. 2. 10% area of district comprise in it. 3. Rice, wheat, pulses, potato, forest trees, cows, buffaloes, goats, pigs
4.	AES-IV	<ol style="list-style-type: none"> 1. Soil is loamy sand. 2. 10% area in it. 3. Major crops and enterprises are Maize, wheat, potato, sunflower, aromatic plants, cows, buffaloes, goats, pigs
5.	AES-V	<ol style="list-style-type: none"> 1. Soil sandy loam. 2. 9% area falls under this regions. 3. Major crops and enterprises are Maize, potato, Wheat summer vegetable guava, Hena, buffaloes, goats

2.3 Soil types

S. No	Soil type	Characteristics
1.	Loam	pH 7.8-8.3
2.	Sandy loam	pH 7.3-7.8
3.	Clay loam/silty loam	pH 8.5-10
4.	Loamy sand	pH 7.1-7.3
5.	Sandy loam/sand	pH 7.0

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

Crop	Area (ha)	Production (M. ton)	Productivity (q/ha)
1. Maize	49042	69755	15.74
2. Rice	18997	42744	24.08
3. Wheat	72942	255343	34.90
4. Potato	37620	956601	254.28
5. Sorghum	2957	1068	9.16
6. Urdbean	2019	1193	5.91
7. Mungbean	1474	830	5.83
8. Chickpea	1463	1755	11.99
9. Pigeonpea	2202	1729	7.85
10. Mustard	8879	10938	12.32
11. Sesamum	1415	273	1.93
12. Groundnut	1130	845	7.48
13. Sunflower	3361	4618	13.78
14. Onion	963	-	-
15. Vegetables	1737	-	-
16. Fodder	743	-	-

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

Category	Population	Production	Productivity
Cattle	125752		-
<i>Crossbred</i>	8259	6.5-7.2 liter/day	-
<i>Indigenous</i>	117493	2.5-3.5 liter/day	-
Buffalo	234779	4-5liter/day	-
Sheep	13715		-
<i>Crossbred</i>	218	N.A.	-
<i>Indigenous</i>	13497	N.A.	-

Goats	269687	6.5-8 kg after 6 months	-
Pigs	21963		-
<i>Crossbred</i>	454	80 kg after 6 months	-
<i>Indigenous</i>	21509	30-40 kg after 6 months	-
Poultry	81625	-	-

2.6 Details of Operational area / Villages:

Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Talgram	Rautamai	Maize, potato, wheat, vegetables, cows, buffalo	Non availability of HYV, Lack of quality seed, Imbalance use of fertilizer, Lack of feed supplement, Infestation of insects & pests	Seed production programme, Use of balance fertilizer including micronutrient, green fodder production, IPM Techniques
Umarda	Allapur	Wheat and Mustard , cows, buffalo	Non availability of quality seeds & planting material, use of old seeds of wheat. Disease & pest attack, imbalance use of fertilizer in field crops	Quality seed production of improved varieties of wheat & mustard, Insect & pest mgt., Seed & Soil treatment, balance use of fertilizer
Talgram	Pindari Kheda	Maize, potato, wheat, onion, urd, moong , buffalo	Lack of quality seeds, overdose of fertilizer in potato & imbalance use of fertilizer in field crops, infestation of seed & soil borne disease , No Use of FYM & Green Manure	Production of quality seeds. Balance use of fertilizers, green manuring, disease & pest mgt., improvement in knowledge through training, demonstration, etc.
Kannauj	Alinagar	Maize, paddy, potato, wheat, parwal, onion, vegetables, cows, buffalo	Lack of quality seeds, overdose of fertilizer in potato & imbalance use of fertilizer in field crops, infestation of seed & soil borne disease , No Use of FYM less area under green manure	Production of quality seeds. Balance use of fertilizers, green manuring, disease & pest management, improvement in knowledge through training, demonstration, etc.

Jalalabad	Pachpukhara,	Coriander, summer maize, paddy, potato, kharif and rabi onion, wheat, urd, moong, cows & buffaloes	Unavailability of quality seeds Non availability of high yielding short duration variety , Imbalance use of fertilizers, nutrient deficiency, disease infestation, lack of market support, inadequate knowledge of improved technology	Quality seed production of wheat & potato , IPM, Short duration variety, Disease management of cattle, fodder production, Knowledge up-gradation through trainings
Jalalabad	Digsara, Bhawanipur Nekpur, Bahelianpurwa, Badlepurwa, Hardewpurwa, etc.	Maize, potato, wheat, onion, cauliflower, tomato, urd, moong & pigeon-pea, buffalo	Fallow – up of technologies	Production of quality seeds. Balance use of fertilizers, green manuring, disease & pest mgt., improvement in knowledge through training, demonstration, etc.

2.7 Priority thrust areas

Crop/Enterprise	Thrust area
Maize	Integrated Nutrient Management Weed management Conservation of soil and water
Paddy	Integrated Nutrient Management Weed management Integrated pest management Water management
Potato	Integrated Nutrient Management Integrated pest and disease management Varietal evaluation
Wheat	Varietal evaluation for timely late sown condition Integrated Nutrient Management Integrated weed management
Groundnut	Varietal evaluation Integrated pest and disease management Integrated Nutrient Management Crop diversification

Mung / Urd/ Pigeon pea	Varietal evaluation Integrated pest and disease management
Sunflower	Integrated Nutrient Management Water management
Vegetables	Varietal evaluation Integrated pest and disease management Water management Integrated Nutrient Management
Fruit plant	Crop diversification through agro-forestry Integrated pest and disease management Poor fruiting/bearing
Animals	Breed improvement Feed management Disease management
Usar land	Varietal evaluation Usar reclamation

3. TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
12	70	100	395

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
112	2400	200	12877

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	100000	-	300	1000

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)

3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Varietal evaluation and INM	Mustard	Local variety and old variety	-	HYV, weed management and micronutrient	Cultivation of mustard	-	Field day	Seed @ 5 kg/ha, pesticide and sulphur @ 30 kg/ ha
2	Varietal evaluation, IPM and INM	Mungbean	Poor yield		HYV, weed management and micronutrient	Cultivation of summer pulses	-	Field day	Seeds of varieties, S and pesticide
3	Varietal evaluation and INM	Urdbean	Poor yield		HYV, weed management and micronutrient	Cultivation of summer pulses	-	Field day	Seeds of varieties, S and pesticide
4	Varietal evaluation	Paddy	False smut and stem borer	Management of False smut and stem borer	IPM	IPM in paddy	Management of False smut and stem borer	Field day	Insecticide And fungicide
5	Weed management		High infestation of weeds and false smut	Assessment of weed control efficiency	Weed management	Integrated weed management		Field day	Weedicide
6	ICM	Maize	Improper decomposing of residues	Assessment of suitable water Mgt. technology	Use of decomposer	Balance use of fertilizers	Use of decomposer	Field day	
7	Varietal evaluation	Wheat	Local variety	Assessment of timely sown varieties	Varieties for timely and late condition	Cultivation of wheat			Seeds of varieties
8	INM	Potato	Low yield and quality of potato		Balance use of fertilizer	Fertilizer management	Scientific cultivation of potato	Field day	Fertilizer & PSB

9	Varietal Evaluation		Low yield and quality of potato	Assessment of suitable variety				Field day	Seeds of varieties
10	IDM		Potato scab and black scurf	Integrated disease management	IDM	Insect-pest and diseases management		Field day	T. viridi and fungicide
11	INM	Cauliflower	Imbalance use of fertilizers	-	Use of micronutrients				Sulphur and Boron
12	Varietal evaluation and INM	Kharif onion	Local or zaid variety	-	Improved variety for Kharif	Cultivation of kharif onion	-	Field day	Seeds of varieties and S
13	IDM		Root rot		IDM	Diseases management		Field day	T. viridi and fungicide
14	INM	Onion	Low yield	-	INM			Field day	Sulphur
15	IDM	Gladiolus	Root rot	-	IDM				T. viridi and fungicide
16	INM		Poor yield-	-	INM				Micronutrient
17	INM	Rose	Imbalance use of fertilizers	-	INM	Cultivation of rose	-	Field day	NPK
18	INM	Jasmine	Imbalance use of fertilizers	Assessment of nutrient dose	Use of balance fertilizers with FYM	Cultivation of Jasmine	-	Field day	NPK
19	INM	Mentha	Imbalance use of fertilizers	-	Use of micronutrient	Cultivation of menth	-	Field day	micronutrient
20	IPM and INM	Vegetable pea	Infestation of disease and no use of biofertilizers		Seed treatment and Rh and PSB culture			Field day	Fungicide and cultures
21	Varietal evaluation	Tomato	Unavailability of suitable varieties	Management of leaf curl disease and selection	Varietal evaluation	Cultivation of summer tomato		Field day	Seeds of varieties
22	IPM		High intensity of leaf curl disease	Assessment of suitable pesticide				Field day	Pesticide

23	RCT		High water demand and fruit mortality	Assessment of suitable technique of tomato planting				Field day	Seed
24	Varietal evaluation	Banana	No cultivation		Introduction of banana Var. G-9	Cultivation of banana		Field day	Sapling of banana
25	Varietal evaluation	Shorghum	Low yield		Varietal evaluation				Seeds of varieties
26	Varietal evaluation	Berseam	Low yield		Varietal evaluation				Seeds of varieties
27	Varietal evaluation	Oat	Low yield		Varietal evaluation				Seeds of varieties
28	Varietal evaluation	Kitchen garden	Mall nutrition in rural people	-	Kitchen gardening	Kitchen gardening	Planning and lay out of Kitchen gardening	Field day	Seeds
29	Feed Mgt.	Buffaloes		Evaluation of urea treated wheat straw on lactating animals				Field day	-

3.1 Technologies to be assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	2	-	-	-	1	-	-	-	-	3
Integrated Pest Management	1	-	-	-	1	-	-	-	-	2
Integrated Weed Management	1	-	-	-	-	-	-	-	-	1
Integrated Disease Management	-	-	-	-	-	-	-	-	2	2
Resource Conservation	-	-	-	-	-	-	-	-	-	-

Drudgery reduction	1	-	-	-	-	-	-	-	-	1
Nutritional Security	1	-	-	-	-	-	-	-	-	1
Intercropping	-	-	-	-	-	-	-	-	-	-
Impact Analysis	-	-	-	-	-	-	-	-	-	-
TOTAL	6	-	-	-	2	-	-	-	2	10

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Feed Management	1	-	-	-	-	-	-	1
Dairy Management	1	-	-	-	-	-	-	1
TOTAL	2	-	-	-	-	-	-	2

B. Details of Each On Farm Trial

OFT 1

Varietal Evaluation

- | | |
|---|---|
| 1. Crop/Enterprise | - Wheat |
| 2. Title of on farm trial | - Assessment of timely sown wheat varieties for higher yield and income |
| 3. Problem diagnosed | - Poor yield due to use of varieties |
| 4. Farming situation | - Irrigated |
| 5. Production system and thematic area | - Paddy-wheat, Varietal evaluation |
| 6. Farmers' Practices | - Use of varieties i.e. K1317 (160: 55: 25 NPK, 150 kg seed/ha) |
| 7. Details of technologies selected for assessment/refinement | - T ₁ Farmers practices (Use K 1317 variety)
T ₂ DBW 222
(150:60:40NPK, 100 kg seed/ha) |
| 8. Source of technology | - DWBRI, Karnal |
| 9. No. of farmers | - 05 |
| 10. Critical input | - Seed |
| 11. Cost of input | Rs 4000.00 |
| 12. Performance indicators | - |
| (i) Technical | - (i) Yield q/ha. |
| (ii) Economic | - Cost of cultivation and net returns |
| (iii) Social | - Acceptance |

OFT-2:**Nursery Management**

- | | |
|---|--|
| 1. Crop/Enterprise | - Tomato |
| 2. Title of on farm trial | - Assessment of suitability of planting material grown in soilless and soil medium in respect to yield and income of tomato |
| 3. Problem diagnosed | - Tomato roots are damaged during uprooting of saplings from soil resulting plant damage, poor establishment and growth and low yield |
| 4. Farming situation | - Irrigated |
| 5. Production system and thematic area | - Green manure-tomato-maize, Nursery management |
| 6. Farmers' Practices | - Growing saplings in soil with FYM |
| 7. Details of technologies selected for assessment/refinement | - T ₁ Farmers practices (Growing saplings in soil with FYM)
T ₂ Growing tomato saplings in pro-trays with cocopeat + pearlite + vermiculite (3:1:1) |
| 8. Source of technology | - IARI, New Delhi |
| 9. No. of farmers | - 05 |
| 10. Critical input | - Saplings of both medium |
| 11. Cost of Input | Rs. 15000.00 |
| 12. Performance indicators | - |
| (i) Technical | - (i) Root development and survival %age
(ii) Fruit count and disease intensity |
| (ii) Economic | - (ii) Yield
- Cost of cultivation and net returns |
| (iii) Social | - Acceptance |

OFT-3:**Integrated Disease Management**

1. Crop/Enterprise - **Potato**
2. Title of on farm trial - Assessment of fungicides for the management of late blight diseases of potato.
3. Problem diagnosed - Low yield of potato due to late blight disease
4. Farming situation - Irrigated
5. Production system and thematic area - Green manure/ maize-potato- maize/ wheat, IDM
6. Farmers' Practices - Spraying of Mancozeb @ 2.5 kg per ha (Prophylactic) Redomil Gold (Metalaxyl 4%+ Mancozeb 64%)@ 1.25 kg/ha on occurrence of disease
7. Details of technologies selected for assessment/refinement - T₁ Farmers Practices- (Mancozeb @ 2.5 kg/ha + Redomil Gold @ 1.25 kg/ha)
T₂ Spraying of Mancozeb @ 2.5 kg/ha (Prophylactic) + Dimethomorph @ 1.25 kg/ ha
8. Source of technology - CPRI, Modipuram
9. No. of farmers - 05
10. Critical input - Fungicides
11. Cost of input Rs. 3000.00
11. Performance indicators -
 - (i) Technical -
 - (i) Diseases intensity
 - (ii) No. of infected plants / sq m
 - (ii) Yield
 - (ii) Economic - Cost benefit ratio
 - (iii) Social - Farmer perception

OFT4:

Varietal Evaluation

- | | |
|---|---|
| 1. Crop/Enterprise | - Wheat |
| 2. Title of on farm trial | - Assessment of suitable variety of wheat under salt affected soil for higher yield and income |
| 3. Problem diagnosed | - Poor yield due to use of old varieties |
| 4. Farming situation | - Irrigated |
| 5. Production system and thematic area | - Varietal evaluation |
| 6. Farmers' Practices | - Use of varieties i.e. KRL 210, PBW 343, Lok-1 (160:55:8 NPK+10 kg Zn with Urea, 150-180 kg seed) |
| 7. Details of technologies selected for assessment/refinement | - T ₁ Farmers practices (Use KRL 210 variety)
T ₂ KRL 283 (120:60:40 NPK+ 25 kg ZnSO ₄ and 100 kg seed) |
| 8. Source of technology | - CSSRI, Karnal |
| 9. No. of farmers | - 05 |
| 10. Critical input | - Seed |
| 11. Cost of Input | Rs. 4000.00 |
| 12. Performance indicators | - |
| (i) Technical | - (i) Yield q/ha. |
| (ii) Economic | - Cost of cultivation and net returns |
| (iii) Social | - Acceptance |

OFT-5:**Integrated Disease Management**

1. Crop/Enterprise - **Paddy**
2. Title of on farm trial - Management of false smut in paddy
3. Problem diagnosed - Low yield of paddy due to heavy infestation of false smut
4. Farming situation - Irrigated
5. Production system and thematic area - Paddy-wheat, IPM
6. Farmers' Practices - No use of any measure
7. Details of technologies selected for assessment/refinement - T₁ Farmers Practices (without any treatment)
T₂ Seed treatment with Carbendazim @ 1gm/kg seed + two spray of Chlorothalonil @ 1 kg/ha
8. Source of technology - CRRRI, Cuttack
9. No. of farmers - 05
10. Critical input - Fungicide
11. Input Cost - Rs. 2000.00
12. Performance indicators -
 - (i) Technical -
 - (i) No. of affected plants/sqm
 - (ii) No. of affected ears/plant
 - (ii) Yield
 - (ii) Economic - Cost benefit ratio
 - (iii) Social - Farmer perception






OFT-6:**Integrated Pest Management**

1. Crop/Enterprise - **Paddy**
2. Title of on farm trial - Management of Stem borer of paddy
3. Problem diagnosed - Low yield of paddy due to heavy infestation of stem borer insect
4. Farming situation - Irrigated
5. Production system and thematic area - Paddy-wheat, IPM
6. Farmers' Practices - Spray of Chloro+cyper @ 1.0l/ha
7. Details of technologies selected for assessment/refinement - T₁ Farmers Practices (Spray of Chloro+cyper 1.0l/ha)
T₂ Thiomethaxam 200 g/ha
8. Source of technology - IARI, New Delhi
9. No. of farmers - 05
10. Critical input - Insecticides
11. Cost of input - Rs. 2700.00
12. Performance indicators -
 - (i) Technical - (i) Population of insect /plant
(ii) No. of infected plant / sq m
(ii) Yield
 - (ii) Economic - Cost benefit ratio
 - (iii) Social - Farmer perception

OFT-7:**Integrated Weed Management**

1. Crop/Enterprise - **Paddy**
2. Title of on farm trial - Assessment of weedicide efficacy for control of *Laptochloa chinensis* weed.
3. Problem diagnosed - Poor yield of Paddy due to heavy infestation of wet land weed *Laptochloa chinensis* L.
4. Farming situation - Irrigated
5. Production system and thematic area - Potato-Potato-Maize or Potato-Maize-Rice Cropping System.
6. Farmers' Practices - Use of nominee gold
7. Details of technologies selected for assessment/refinement
 - T₁ Farmers practices (Use of nominee gold @ 250ml/ha)
 - T₂ Application of Cyhalofop-butyl 10EC @ 750 ml/ha
8. Source of technology - CRRRI Cuttuck
9. No. of farmers - 05
10. Critical input - Herbicides
11. Cost of input - Rs. 2500.00
12. Performance indicators
 - (i) Technical
 - (i) Yield q/ha.
 - (ii) No. of tillers/ plant.
 - (iii) Weed control efficiency
 - (ii) Economic
 - Cost of cultivation and net returns
 - (iii) Social
 - Acceptance



OFT-8:**Drudgery Reduction**

1. Crop/Enterprise : Maize
2. Title of on farm trial : Assessment of Naveen Dibbler to reduce drudgery and enhance efficiency of farm women in maize sowing
3. Problem Diagnosed : High drudgery and low efficiency of farm women in maize sowing
4. Farming Situation : Irrigated
5. Production System and Thematic Area : Drudgery reduction
6. Farmers Practices : Sowing maize manually
7. Details of technologies selected for assessment /refinement : T₁- Farmer's Practice(Sowing manually)
T₂- Naveen Dibbler
8. Source of technology : CIAE, Bhopal
9. Number of Farmer's : 5
10. Critical Input : Technical Know How
11. Performance Indicator :
 - i. Technical :
 -  Rate of Sowing seed
 -  Time Saving (hr.)
 -  Posture
 -  Energy Expenditure
 -  Perceived rate of Exertion (Borg's 10 point scale)
 - ii. Economic : Cost Benefit Ratio
 - iii. Social : Feedback

OFT 9:**Varietal Evaluation**

1. Crop/Enterprise - **Ladies Finger**
2. Title of on farm trial - Assessment of suitable variety of ladies finger for higher nutritive value to manage malnutrition
3. Problem diagnosed - Farm families especially farm women are suffering from malnutrition
4. Farming situation - Irrigated
5. Production system and thematic area - Green colour ladies finger and Varietal Evaluation
6. Farmers' Practices - Growing green coloured ladies finger in kitchen garden
7. Details of technologies selected for assessment - T₁ Farmers practices (Growing variety Azad Bhindi-1/VO-6)
T₂ Planting ladies finger variety Kashi Lalima
8. Source of technology - IIVR, Varanasi
9. No. of farmers - 05
10. Critical input - Seeds
11. Performance indicators -
 - (i) Technical - (i) Yield q/ha (ii) nutritive value (iii) Taste
 - (ii) Economic - Cost of cultivation and net returns
 - (iii) Social - Acceptance

OFT 10:**Nutritional Security**

1. Crop/Enterprise : **Weaning food (Wheat +Maize+Ragi+ Bajra+groundnut+ Chana)**
2. Title of on farm trial : Assessment of weaning food to overcome malnutrition among Infants
3. Problem Diagnosed : Low nutritional status of Infants
4. Farming Situation : Irrigated
5. Production System and Thematic Area : Nutritional security
6. Farmers Practices : Unplanned Diet
7. Details of technologies selected for assessment /refinement : T1 –Farmers Practice(unplanned diet)
T2- Weaning food (Wheat 30%+Ragi 20%+ bajra 10%+Channa 15% + groundnut 15% + Maize 5%+ Flax Seed 5 %)
8. Source of technology : C.S.A.U.A.&T. Kanpur
9. Number of Farmer's 5
10. Critical Input : Grains, Technical Know How
11. Performance Indicator :
 - i. Technical  Increase in weight
 Energy Efficiency (BMI)
 - ii. Economic Cost benefit Ratio
 - iii. Social Farm women Feedback & Infant reaction

OFT 11:**Dairy farming**

- | | | |
|----|--|--|
| 1. | Crop/Enterprise | - Buffalo |
| 2. | Title of on-farm trial | - Assessment of feed supplement in milch buffaloes |
| 3. | Problem diagnosed | - Low milk production and poor health of buffaloes due to imbalance ration |
| 4. | Farming situation | - |
| 5. | Production system and thematic area | - Dairy management and Dairy production |
| 6. | Farmers' Practices | - Imbalance feeding |
| 7. | Details of technologies selected for assessment/refinement | - T ₁ Farmer practice (without supplement of feed)
T ₂ T ₁ + 50g Shatavari powder per day/animal |
| 8. | Source of technology | - NDRI, Karnal |
| 9. | No. of animals | - 5 |
| 10 | Critical Input | - Shatavari Powder |
| 11 | Performance indicators | |
| | (i) Technical | 1. Weight gain
2. Milk productivity |
| | (ii) Economic | ✚ Additional cost,
✚ Additional profit
✚ C:B ratio |
| | (iii) Social | Feedback and farmer's reaction |

OFT 12:

Dairy Management

- | | |
|---|---|
| 1. Enterprise | - Cow / Buffalo |
| 2. Title of on-farm trial | - Management of mastitis in buffaloes |
| 3. Problem diagnosed | - High incidence of mastitis disease in dairy cows resulting in lower productivity and profitability of dairying |
| 5. Production system and thematic area | - Dairy management and Dairy production |
| 6. Farmers' Practices | - Washing of udder is washed with fresh water and application of turmeric paste after |
| 7. Details of technologies selected for assessment/refinement | - T ₁ Farmer practice (Turmeric paste)
T ₂ Use of pendistrin-SH (Procaine penicillin, Streptopenicillin) administration by intra mammary infusion at once for each teat of udder at 7-8 months of pregnancy (Recommended practice) |
| 8. Source of technology | - IVRI, Izzatnagar |
| 9. No. of animals | - 5 |
| 10. Critical Input | - Pendistrin-SH |
| 11. Performance indicators | |
| (i) Technical | 1. No. of cure animal |
| (ii) Economic | ✚ Additional cost,
✚ Additional profit
✚ C:B ratio |
| (iii) Social | Feedback and farmer's reaction |

3.2

Frontline Demonstrations

A. Details of FLDs to be organized

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/demon.	Parameters identified
1.	Mustard	NRCHB-101 and DRMRIJ-31	Varietal evaluation and INM	High yielding varieties, weed management and micronutrient	Seed @ 5 kg/ha, Pendimethilene @ 3.3 lt/ha and sulphur @ 30 kg/ ha	Rabi 2023	10	25	Yield
2.	Mung bean	Meha, IPM 2-3 and Vishal	Varietal evaluation, INM and IPM	Improved Variety, weed management, micronutrient	Seed @ 25 kg/ha, Rh+ PSB culture, Sulpher @ 30 kg/ha and Imizathipar @ 2.5 lt/ha	Zaid 2023	10	25	Yield
3.	Urdbean	IPU 2-43	Varietal evaluation, INM and IPM	Improved Variety, weed management, micronutrient	Seed @ 25 kg/ha, Rh+ PSB culture, Sulpher @ 30 kg/ha and Imizathipar @ 2.5 lt/ha	Zaid 2023	10	25	Yield
4.	Maize	Insect Management	IPM	Insect management	Insecticide Profenophos or cyper methrin	Kharif 2032	3	15	Yield
5.	Wheat	Mahi , HD-2967, Mamta or shekhar	Varietal evaluation	High yielding variety for time sown condition	Mahi , HD-2967, Mamta or shekhar @ 100 kg/ha	Rabi 2023	2	10	Yield
6.		Late sown	Varietal evaluation	High yielding variety for late sown condition	Golden Halna or DBW- 107	Rabi 2023	2	10	Yield
7.	Wheat	Fungicide	Seed Treatment	Seed dressing with fungicide and inoculation with bio-fertilizers	Carboxin + Thiram (Vitavax power or Power bank) Azotobactor and PSB culture	Rabi 2023	5	25	Yield
8.	Potato	K.Bahar, K. Puskar, K. Badshah	INM	Balance use of fertilizers	NPK (180:100:100) and Multiplex (micronutrients-Zn, B, S, Ca @ 25 kg/ha)	Rabi 2023	2	10	Yield
				Management of potato cracking	Boron @ 18 kg/ha	Rabi 2023	2	10	Yield
		K .Bahar, K. Puskar, K. Badshah	IDM	Management of Soil & Seed born diseases	Seed treatment with fungicide(Carbendazim @ 500gm and soil treatment with Bio fungicides (<i>T. viride</i> @ 5.0 kg/ ha)	Rabi 2023	10	25	Yield

9.	Cauli flower	Early quari,	INM	Micronutrient management	Multi-nutrient (Zn, B, Ca, Mg) @25kg/ha	Kharif 2023	2	10	Yield
		Sobour agrim	Varietal Evaluation	Improved variety	Seed @ 200 g/ha	Kharif 2023	2	10	Yield
10.	Kharif Onion	ADR / N-53	Varietal evaluation and INM	Suitable variety ADR / N-53 and micronutrient	Seed @ 20kg/ ha and Sulpher @ 25kg/ha	Rabi 2023	2	10	Yield
11.	Gladiolus		INM	micronutrient Balance use of fertilizers and bio-fertilizers	NPK, Multi-nutrient (Zn, B, Ca, Mg) @ 25kg/ha and Azotobactor and PSB culture @ 1 pc each/10kg seed	Rabi 2023	2	10	Yield
			IDM	Management of Soil & Seed born diseases	Seed tr. with fungicide (Carbendazim @ 500gm) and soil treatment with Bio-fungicides (<i>T. viride</i> @ 5.0 kg/ ha)	Rabi 2023	10	25	Yield
12.	Vegetable pea	AP-3	IPM and INM	Disease mgt and use of biofertilizers	Seed treatment with Carbendazim @ 2g/kg seed and Rh and PSB culture @ 1 pc each/10kg seed	Rabi 2023	5	20	Yield
13.	Rose		INM	Balance fertilization	Fertilizer (NPK and micronutrients-Zn, B, S, Ca @ 25kg/ha)	Rabi 2023	2	10	Yield
14.	Jasmine		INM	Balance fertilization	Fertilizer (NPK and micronutrients-Zn, B, S, Ca @ 25kg/ha)	Zaid 2023	2	10	Yield
15.	Banana	Hybrid variety G-9	Varietal evaluation	Hybrid variety	Hybrid variety G-9	Kharif 2023	1	10	Yield
16.	Tomato	Himsona	Varietal evaluation	Hybrid varieties	Seed @ 200 g/ha	Spring 2023	2	10	Yield
17.	Mentha	HYV	INM	micronutrient management	Sulphur @ 25kg/ha	Zaid 2023	2	10	Yield
18.	Jowar	Himsona	Feed Management	HYV	Seed @ 20 kg/ha	Kharif 2023	2	20	Yield
19.	Barseem	HYV	Feed Management	Improved variety	Seed @25 kg/ha	Rabi 2023	2	20	Yield
20.	Oat	Improved variety	Feed Management	Improved variety	Seed @ 100 kg/ha	Rabi 2023	2	20	Yield
21.	Kitchen garden		Nutritional security	Improved varieties	Seeds of improved varieties	Whole year	1500 sqm	20	Yield
					Total		94	395	

A. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	18	All around year	600
2	Farmers Training	18	All around year	400
3	Media coverage	36	All around year	-
4	Training for extension functionaries	08	All around year	120

B. Details of FLD on Enterprises:

(i) Demonstration of live stock production & management

S. No.	Activity	Objective	Adopted technology	Type of animals	Breed	No. of animals	Critical input
1	Vaccination of FMD	Protection of animals against FMD	Vaccination of animals against FMD	Cow and buffalo	Different	250	FMD vaccine
2	Vaccination of HS	Protection of animals against HS	Vaccination of animals against HS	Cow and buffalo	Different	150	HS vaccine
3	Application of medicine against endo parasites	Improvement in health of animals	Use of Fenbendazole as a endo paracide medicine	Cow and buffalo	Different	50	Fenbendazole
4	Application of medicine against ecto parasites	Improvement in health of animals	Use of Deltamethrine as a ecto paracidal medicine	Cow and buffalo	Different	50	Deltamethrine
5	Feeding of mineral mixture	Enhancement of mild yield & reproductive health	Provide mineral mixture in feed	Cow and buffalo	Different	50	Mineral mixture

(ii) Other Enterprises

S. No.	Enterprises	Thematic Area	No. of Demo	Season & Year	Area/ Quantity	Critical Input	Performance Indicator
1	Nutritional garden	Nutritional security	20	Round the year	50 sq.m	Vegetable seeds and seedlings	➤ Yield, Availability of vegetables/person/day ➤ Cost benefit ratio
2	Mushroom cultivation	Nutritional Security and Income Generation	20	Rabi 2022	20 kg	Spawn, Poly bags, Formaldehyde, Vavestin	➤ Yield ➤ Cost benefit ratio ➤ Farm women feedback
3.	Tomato	Nutritional Security	10	Zaid 2022	10 kg.	Technical Know How	➤ Organoleptic evaluation ➤ Increase in intake ➤ Perceived rate of exertion
4.	Green Leafy vegetables	Value Addition	30	Zaid 2022	1Kg	Technical Know How	➤ Hemoglobin Level ➤ Perceived Rate of Exertion ➤ Cost benefit ratio ➤ Farm women feedback

C. Issues Related to Doubling Farmers' Income:

(i) Increasing the farm level production

S. No.	crop	Technology	Critical Input	Area (ha) and season	Remark
1.	Enhancing irrigation efficiency				
1.1	Tomato	Ridge and bed planting	POL for ridge and bed making	4 ha Zaid and rabi, 2023)	1. Minimizing production cost by reducing water about 20-33%. 2. Enhancing production (20-25%) by reducing incidences of weeds and diseases i.e. root and fruit rotting and improving plant growth.
1.2	Tomato	Polyethylene mulching	Polyethylene For mulching	2 ha (Rabi, 2023)	1. Minimizing production cost by reducing water about 40-50%. 2. Enhancing production (20-25%) by minimizing incidences of weeds and fruit rotting and improving plant growth and fruiting
1.3	Maize	Ridge planting	POL for ridge making	4 ha (Zaid and Kharif, 2023)	1. Conservation of soil and rain water during rainy season. Both are not only precious but can't be replenished. Our existence is based on these two. Can't be measure in terms of money. 2. Minimizing production cost by reducing water use about 20 % in zaid. 3. Enhancing production (7-10%) by reducing incidences of weeds and improving plant growth.

2.	Efficient use of inputs				
2.1	Nutrient management				
2.1.1	Potato	IPNM - Fertilizer use on soil test basis	NPK and micro-nutrients	2 ha (Rabi, 2023)	<ol style="list-style-type: none"> 1. Reduction in production cost due to reduced doses of fertilizers especially DAP for Phosphorus by about 55 %. 2. Improved quality of tubers due to balance fertilization 3. Reduction in common scab and cracking diseases 4. Higher market prices by about Rs 30-50 /q.
2.1.2	Wheat	IPNM - Fertilizer use on soil test basis	NPK and micro-nutrients	2 ha (Rabi, 2023)	Increase in production of wheat due to balance dose and timely and proper application of fertilizers especially urea and MOP
2.1.3	Gladiolus, Jasmine and rose	IPNM - Fertilizer use on soil test basis	NPK and micro-nutrients and Azotobactor and PSB culture @ 1 pc each/10kg seed supplemented with FYM	2 ha each crop (Rabi, 2023)	Increase in production and quality of flowers
2.2	Use of organic source of nutrients				
2.2.1	Summer maize	Residue incorporation in rainy season	Awareness programmes	10000 ha (Zaid and Kharif, 2023)	<ol style="list-style-type: none"> 1. Enriching soil properties. 2. Conservation of soil and water 3. Improving nutrient status of soil 4. Improving productivity of succeeding crops

2.2.2	Dhaincha	Green Manuring	Awareness programmes	5,000 ha (Kharif, 2023)	1. Enriching soil properties. 2. Conservation of soil and water 3. Improving nutrient status of soil 4. Improving productivity of succeeding crops
2.2.3	Pulses	Bio-fertilizers	Rhizobium, Azotobactor, PSB culture	20 ha (Zaid, 2023)	1. Improving soil health 2. Improving productivity of crops
3.	Subsidiary activities				
3.1	Poultry	Backyard poultry	Breed Kadaknath	15 units	Income generation
3.2	Goatery	Improved breed and feed Mgt.	Training and awareness programmes	10 Units	Income generation
3.3	Bee Keeping	Rearing techniques	Training and awareness programmes	5 Units	Income generation
3.4	Vermin-composting		Worms	5 Units	1. Income generation 2. Soil health improvement 3. Cleanliness of village
4.	Crop Diversification				
4.1	Coriander	Varietal Evaluation	Seeds of improved varieties	2 ha (Kharif, 2023)	1. Substitution of kharif crop 2. Ensuring high employment 3. Coriander-potato-maize for doubling income
4.2	Kharif Onion	Varietal Evaluation	Training and awareness	10 ha (Kharif, 2023)	1. Promoting onion in kharif 2. Getting high remuneration 3. Substituting maize in kharif
4.3	Capsicum	Varietal Evaluation	Training and awareness	5 ha	1. Introducing as new crop 2. Getting high returns 3. Doubling income
4.4	Summer tomato	Varietal Evaluation	Training and awareness	100 ha additional	1. Substitution of summer maize 2. Ensuring high employment 3. Maize-potato-tomato for doubling income
4.5	Vegetable pea	Varietal Evaluation	Training and awareness	200 ha	1. Ensuring high income in short period of 100-110 days 2. Reducing risk from low market prices and diseases of potato
4.6	Banana	G-9	Training and awareness	5 ha	1. Increasing manifold income 2. Employment generation

Training (Including the sponsored and FLD training programmes):

A) On Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Integrated Crop Management	4	73	20	93	23	14	37	130
Weed Management	1	14	0	14	6	0	6	20
Post Harvest Technology	1	15	5	20	3	2	5	25
Nursery Management	1	15	5	20	3	2	5	25
Total	7	117	30	147	35	18	53	200
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	26	4	30	8	2	10	40
Off-season vegetables	1	13	2	15	4	1	5	20
Nursery raising	1	13	2	15	4	1	5	20
Total (a)	4	52	8	60	16	4	20	80
b) Medicinal and Aromatic Plants								
Nursery Management	1	13	2	15	4	1	5	20
Total (b)	1	13	2	15	4	1	5	20
Total (Horticulture)	5	65	10	75	20	5	25	100
III Livestock Production and Management								
Disease Management	3	39	6	45	12	3	15	60
Feed management	2	26	4	30	8	2	10	40
TOTAL	5	65	10	75	20	5	25	100
IV Soil Health and Fertility Management								
Soil fertility management	1	15	5	20	3	2	5	25
INM	2	31	7	38	9	3	12	50
Production and use of organic inputs	2	35	5	40	8	2	10	50
Micronutrient deficiency in crops	1	20	-	20	5	-	5	25
Balance use of fertilizers	1	20	-	20	5	-	5	25
Soil and Water Testing	2	30	10	40	6	4	10	50
TOTAL	9	151	27	178	36	11	47	225

V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	-	15	15	-	5	5	20
Value addition	3	-	45	45	-	15	15	60
Income generation activities for empowerment of rural Women	1	-	15	15	-	5	5	20
Total	5	-	75	75	-	25	25	100
VI Plant Protection								
Integrated Pest Management	1	13	2	15	4	1	5	20
Integrated Disease Management	2	26	4	30	8	2	10	40
Bio control of pests and diseases	1	13	2	15	4	1	5	20
Mushroom Production	1	13	2	15	4	1	5	20
Total	5	65	10	75	20	5	25	100
Grand Total (PF/FW)	36	463	162	625	131	69	200	825
(B) RURAL YOUTH								
Nursery Management of Horticulture crops	1	10	-	10	5	-	5	15
Organic input production	1	10	-	10	5	-	5	15
Sheep and goat rearing	1	10	-	10	5	-	5	15
Seed Production	3	30	0	15	15	0	45	60
TOTAL (RY)	6	60	0	45	30	0	60	105
(C) Extension Personnel								
Productivity enhancement in field crops	3	64	7	71	14	5	19	90
Organic farming	1	30	2	32	8	0	8	40
Integrated Pest Management	1	15	-	15	5	-	5	20
Integrated Disease Management	1	15	-	15	5	-	5	20
Bio-control of pests and diseases	1	15	-	15	5	-	5	20
Management in farm animals	2	30		30	10	-	10	40
Livestock feed and fodder production	1	15	-	15	5	-	5	20
Total (EF)	10	184	9	193	52	5	57	250
GRAND TOTAL (PF + RY + EF)	52	707	171	863	213	74	317	1180

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
(A) Farmers & Farm Women									
I Crop Production									
Integrated Crop Management	4	70	6	76	23	6	29	105	
Integrated Nutrient Management	2	33	1	34	10	1	11	45	
Integrated Water Management	1	13	1	14	5	1	6	20	
Post harvest	1	10	10	20	3	2	5	25	
Integrated Weed Management	1	15	5	20	3	2	5	25	
TOTAL	9	141	23	164	44	12	56	220	
II Horticulture									
a) Vegetable Crops									
Production of low volume and high value crops	3	52	8	60	16	4	20	80	
Nursery raising	1	13	2	15	4	1	5	20	
Total (a)	4	65	10	75	20	5	25	100	
b) Tuber crops									
Production and Management technology	2	26	4	30	8	2	10	40	
Processing and value addition	1	13	2	15	4	1	5	20	
Total (b)	3	39	6	45	12	3	15	60	
c) Medicinal and Aromatic Plants									
Production and management technology	2	26	4	30	8	2	10	40	
Total (c)	2	26	4	30	8	2	10	40	
Total Horticulture	9	130	20	150	40	10	50	200	
III Livestock Production and Management									
Dairy Management	2	26	4	30	8	2	10	40	
Disease Management	4	52	8	60	16	4	20	80	
Feed management	3	52	8	60	16	4	20	80	
TOTAL	9	130	20	150	40	10	50	200	
IV Soil Health and Fertility Management									
INM	3	50	16	66	20	14	34	100	
Production and use of organic inputs	2	30	10	40	6	4	10	50	
Balance use of fertilizers	3	53	14	67	18	15	33	100	
Soil and Water Testing	1	10	8	18	5	2	7	25	
Total	9	143	48	191	49	35	84	275	

V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	-	15	15	-	5	5	20
Design and development of low/minimum cost diet	1	-	15	15	-	5	5	20
Designing and development for high nutrient efficiency diet	1	-	15	15	-	5	5	20
Storage loss minimization techniques	1	-	15	15	-	5	5	20
Value addition	4	-	75	75	-	25	25	100
Income generation activities for empowerment of rural Women	1	-	15	15	-	5	5	20
Location specific drudgery reduction technologies	1	-	15	15	-	5	5	20
Women and child care	1	-	15	15	-	5	5	20
TOTAL	11	-	180	180	-	60	60	240
VI Plant Protection								
Integrated Pest Management	6	104	16	120	32	8	40	160
Integrated Disease Management	2	26	4	30	8	2	10	40
TOTAL	8	130	20	150	40	10	50	200
(B) RURAL YOUTH								
Nursery Management of Horticulture crops	1	10	-	10	5	-	5	15
TOTAL (RY)	1	10	-	10	5	-	5	15
(C) Extension Personnel								
Household food security	1		15	15		5	5	20
Women and Child care	2	-	30	30	-	10	10	40
Low cost and nutrient efficient diet designing	1		15	15		5	5	20
TOTAL (EF)	4	0	60	60	0	20	20	80
Grand Total (Farmers)	67	674	371	1045	213	157	370	1415

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								
Integrated Crop Management	8	143	26	169	46	20	66	235
Integrated Weed Management	2	29	5	34	9	2	11	45
Post harvest technology	2	25	15	40	6	4	10	50
Nursary technique	1	15	5	20	3	2	5	25
Integrated Nutrient Management	2	33	1	34	10	1	11	45
Integrated Water Management	1	13	1	14	5	1	6	20
TOTAL	16	258	53	311	79	30	109	420
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	5	78	12	90	24	6	30	120
Nursery raising	2	26	4	30	8	2	10	40
Off-season vegetables	1	13	2	15	4	1	5	20
Total (a)	9	117	18	135	36	9	45	180
b) Tuber crops								
Production and Management technology	2	26	4	30	8	2	10	40
Processing and value addition	1	13	2	15	4	1	5	20
Total (b)	3	39	6	45	12	3	15	60
c) Medicinal and Aromatic Plants								
Production and management technology	2	26	4	30	8	2	10	40
Nursery Management	1	13	2	15	4	1	5	20
Total (c)	3	39	6	45	12	3	15	60
Total Horticulture	14	195	30	225	60	15	75	300
III Livestock Production and Management								
Disease Management	6	91	14	105	28	7	35	140
Feed management	6	78	12	90	24	6	30	120
Dairy Management	2	26	4	30	8	2	10	40

TOTAL	14	195	30	225	60	15	75	300
IV Soil Health and Fertility Management								
Soil fertility management	1	15	5	20	3	2	5	25
INM	6	81	23	104	29	17	46	154
Production and use of organic inputs	2	65	15	80	14	6	16	96
Micronutrient deficiency in crops	1	20	-	20	5	-	5	25
Balance use of fertilizers	5	73	14	87	23	15	38	125
Soil and Water Testing	3	40	18	58	11	6	17	75
TOTAL	18	294	75	369	85	46	127	500
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	-	30	30	-	10	10	40
Design and development of low/minimum cost diet	1	-	15	15	-	5	5	20
Designing and development for high nutrient efficiency diet	1	-	15	15	-	5	5	20
Storage loss minimization techniques	1	-	15	15	-	5	5	20
Value addition	7	-	120	120	-	40	40	160
Income generation activities for empowerment of rural Women	2	-	30	30	-	10	10	40
Location specific drudgery reduction technologies	1	-	15	15	-	5	5	20
Women and child care	1	-	15	15	-	5	5	20
TOTAL	16	-	255	255	-	85	85	340
VI Plant Protection								
Integrated Pest Management	7	117	18	135	36	9	45	180
Integrated Disease Management	4	52	8	160	16	4	20	180
Bio control of pests and diseases	1	13	2	15	4	1	5	20
Mushroom Production	1	13	2	15	4	1	5	20
TOTAL	13	195	30	225	60	15	75	300
Total (PF&FW)								
(B) RURAL YOUTH								
Nursery Management of Horticulture crops	1	10	-	10	5	-	5	15
Value addition	1	-	10	10	-	5	5	15
Organic input production	1	10	-	10	5	-	5	15

Sheep and goat rearing	1	10	-	10	5	-	5	15
Seed production	3	30	0	15	15	0	45	60
TOTAL	6	50	10	60	25	5	30	90
(C) Extension Personnel								
Household food security	1		15	15		5	5	20
Women and Child care	2	-	30	30	-	10	10	40
Low cost and nutrient efficient diet designing	1		15	15		5	5	20
Organic farming	1	30	2	32	8	0	8	40
Production Technology	3	64	7	71	14	5	19	90
Management in farm animals	2	30		30	10	-	10	40
Livestock feed and fodder production	1	15	-	15	5	-	5	20
Integrated Disease Management	1	15	-	15	5	-	5	20
Bio-control of pests and diseases	1	15	-	15	5	-	5	20
Management in farm animals	2	30		30	10	-	10	40
TOTAL	15	199	69	268	57	25	82	350
GRAND TOTAL (PF + RY + EF)	112	1287	507	1794	401	205	606	2400

Details of training programmes

i) Farmers & Farm women

Date	PF/FW	Title of the training programme	Duration in days	Venue	Number of participants			Number of SC/ST			G.T.
					M	F	Total	M	F	Total	
ON CAMPUS											
Agronomy											
Feb.	PF/FW	Cultivation of summer mungbean/ urdbean	1	On	11	2	13	5	2	7	20
March	PF/FW	Sowing techniques of Summer Maize	1	On	14	3	17	2	1	3	20
April	PF/FW	Post harvest procurement of Rabi crops	1	On	15	5	20	3	2	5	25
May	PF/FW	Nursery raising techniques of paddy	1	On	15	5	20	3	2	5	25
June	PF/FW	Cultivation of hybrid maize	1	On	15	3	18	5	2	7	25
July	PF/FW	Cultivation and planting technique of paddy	1	On	10	5	15	5	5	10	25
Oct.	PF/FW	Latest innovations in cultivation of wheat	1	On	11	4	15	3	2	5	20
Nov.	PF/FW	Integrated weed management in wheat	1	On	14	0	14	6	0	6	20
Dec.	PF/FW	Cultivation techniques of late sown wheat under potato-wheat-maize cropping system	1	On	12	3	15	3	2	5	20
Horticulture											
April	PF/FW	Nursery management of cauliflower	1	On	13	2	15	4	1	5	20
May	PF/FW	Cultivation of cucurbits in <i>kharif</i>	1	On	13	2	15	4	1	5	20
Sept	PF/FW	Cultivation of hybrid tomato in <i>rabi</i>	1	On	13	2	15	4	1	5	20
Oct.	PF/FW	Nursery management of <i>Jasmine and rose</i>	1	On	13	2	15	4	1	5	20
Dec	PF/FW	Cultivation techniques of off-season vegetables	1	On	13	2	15	4	1	5	20
Animal Science											
Jan	PF/FW	Causes and effect of mastitis disease and its control	1	On	13	2	15	4	1	5	20
March	PF/FW	Green fodder production in summer season	1	On	13	2	15	4	1	5	20
May	PF/FW	Vaccination in Cattle	1	On	13	2	15	4	1	5	20

Oct	PF/FW	Preparation of balance ration for dairy animals	1	On	13	2	15	4	1	5	20
Dec	PF/FW	Care and management of foot and mouth disease in cattle	1	On	13	2	15	4	1	5	20
Soil Science											
Jan.	PF/FW	Foliar application of nutrients in wheat crop	1	On	10	5	15	5	5	10	25
Feb.	PF/FW	Use of biofertilizers in zaid crops	2	On	14	2	16	5	4	9	25
Mar.	PF/FW	IPNM in summer maize	1	On	15	3	18	5	2	7	25
April	PF/FW	Use of agriculture waste for composting	1	On	15	5	20	3	2	5	25
May	PF/FW	Technique of soil sampling	1	On	15	3	18	5	2	7	25
Jun	PF/FW	Integrated nutrient management in maize and paddy	1	On	10	5	15	5	5	10	25
July	PF/FW	Management of Khaira disease in paddy	1	On	14	2	16	5	4	9	25
Aug	PF/FW	Foliar application of nutrient in paddy crop	1	On	15	5	20	3	2	5	25
Sep	PF/FW	Preparation technique of Vermin and NADEP compost	2	On	15	3	18	5	2	7	25
Oct	PF/FW	Use of balance fertilizers in potato	1	On	15	5	20	3	2	5	25
Nov.	PF/FW	Application of chemicals and bio fertilizers in rabi cereal crops	1	On	10	5	15	5	5	10	25
Home science											
April	PFW	Preparation of blended wheat flour to overcome malnutrition	1	On	-	15	15	-	5	5	20
May	PFW	Processing of Potato	1	On	-	15	15	-	5	5	20
Oct.	PFW	Value addition to groundnut	1	On	-	15	15	-	5	5	20
Nov	PFW	Mushroom cultivation technique	1	On	-	15	15	-	5	5	20
Dec.	PFW	Tomato preservation Methods	1	On	-	15	15	-	5	5	20
Plant protection											
Jun	PF/FW	Seed treatment of <i>kharif</i> crops	1	On	13	2	15	4	1	5	20
July	PF/FW	Management of insect and pest in paddy and maize	1	On	13	2	15	4	1	5	20
Sep	PF/FW	Use of bio-pesticides in potato	1	On	13	2	15	4	1	5	20
Oct.	PF/FW	Disease and insect management in potato	1	On	13	2	15	4	1	5	20
Nov	PF/FW	Mushroom Production Technology	1	On	13	2	15	4	1	5	20

OFF CAMPUS											
Date	Clientele	Title of the training programme	Durati on in days	Venu e	Number of participants			Number of SC/ST			G.T .
Agronomy											
Feb	PF/FW	Latest innovations in cultivation of groundnut	1	Off	12	2	14	5	1	6	20
Mar	PF/FW	Moisture scheduling in summer pulses	1	Off	13	1	14	5	1	6	20
April	PF/FW	Post harvest procurement of wheat	1	Off	10	10	20	3	2	5	25
June	PF/FW	Weed management procedures of kharif pulses	1	Off	15	5	20	3	2	5	25
July	PF/FW	Raised bed land configuration technique of maize	1	Off	20	0	20	5	0	5	25
July	PF/FW	Nutrient scheduling of hybrid paddy	1	Off	20	0	20	5	0	5	25
Aug	PF/FW	Intercultural operations in kharif crops	1	Off	12	2	14	4	2	6	20
Sep	PF/FW	Role of micronutrients in production of rapeseed and mustard	1	Off	13	1	14	5	1	6	20
Oct	PF/FW	Emerging challenges in production of wheat crop	1	Off	12	2	14	5	1	6	20
Dec	PF/FW	Timely management practices of wheat	1	Off	14	0	14	4	2	6	20
Horticulture											
Jan.	PF/FW	Cultivation technique of summer tomato	1	Off	13	2	15	4	1	5	20
Feb	PF/FW	Cultivation of mentha	1	Off	13	2	15	4	1	5	20
April	PF/FW	Nursery management of kharif onion	1	Off	13	2	15	4	1	5	20
July	PF/FW	Cultivation of kharif onion	1	Off	13	2	15	4	1	5	20
Aug.	PF/FW	Planting technique of rose and Bela	1	Off	13	2	15	4	1	5	20
Sep.	PF/FW	Production technology of vegetable pea	1	Off	13	2	15	4	1	5	20
Sep.	PF/FW	Production technology of potato	1	Off	13	2	15	4	1	5	20
Oct.	PF/FW	Production technology of garlic	1	Off	13	2	15	4	1	5	20
Nov.	PF/FW	Fertilizer management of rose	1	Off	13	2	15	4	1	5	20
Dec	PF/FW	Cultivation technique of potato + cucurbits	1	Off	13	2	15	4	1	5	20
Animal science											
Jan	PF/FW	Care and feeding during advance pregnant animals	1	Off	13	2	15	4	1	5	20
Feb	PF/FW	Silage making technique	1	Off	13	2	15	4	1	5	20

April	PF/FW	Causes of infertility and its prevention in cow and buffaloes.	1	Off	13	2	15	4	1	5	20
May	PF/FW	Causes and effect of Hemorrhagic septicemia disease and its control	1	Off	13	2	15	4	1	5	20
June	PF/FW	Care and management of animals from adverse climate	1	Off	13	2	15	4	1	5	20
June	PF/FW	Hygienic milk production	1	Off	13	2	15	4	1	5	20
July	PF/FW	Ecto- & endo-parasite management in dairy cattle.	1	Off	13	2	15	4	1	5	20
Aug	PF/FW	Urea treated straw making method of dairy animals and its importance.	1	Off	13	2	15	4	1	5	20
Sep	PF/FW	Oat and barseem cultivation for dairy animals	1	Off	13	2	15	4	1	5	20
Nov	PF/FW	Preventive measures against disease in livestock.	1	Off	13	2	15	4	1	5	20
Plant Protection											
Jan	PF/FW	IPM in cucurbits	1	Off	13	2	15	4	1	5	20
Feb.	PF/FW	IPM in summer mugbean and urdbean	1	Off	13	2	15	4	1	5	20
April	PF/FW	Safe storage of food grain	1	Off	13	2	15	4	1	5	20
May	PF/FW	Management of insect pest and diseases in groundnut	1	Off	13	2	15	4	1	5	20
June	PF/FW	Management of insect pest and diseases in pigeonpea	1	Off	13	2	15	4	1	5	20
July	PF/FW	Disease management in <i>kharif</i> onion	1	Off	13	2	15	4	1	5	20
Aug	PF/FW	Mangement of insect and diseases through seed and soil treatment in gladiolus	1	Off	13	2	15	4	1	5	20
Sep	PF/FW	Disease and insect management in rabi vegetables	1	Off	13	2	15	4	1	5	20
Oct	PF/FW	Disease management in potato	1	Off	13	2	15	4	1	5	20
Dec.	PF/FW	Disease and insect management in wheat	1	Off	13	2	15	4	1	5	20
Home Science											
Jan.	PF/FW	Hygiene and sanitation for health	1	Off	-	15	15	-	5	5	20
Feb.	PF/FW	Value addition to Maize	1	Off	-	15	15	-	5	5	20
Mar.	PF/FW	Preparation of Rice/sabudana papad	1	Off	-	15	15	-	5	5	20
April	PF/FW	Nutritional garden for nutritional security of farm families	1	Off	-	15	15	-	5	5	20

May	PF/FW	Assessment of nutritional status and dietary requirements of vulnerable group	1	Off	-	15	15	-	5	5	20
June	PF/FW	Drudgery reduction in maize sowing through Naveen dibler	1	Off	-	15	15	-	5	5	20
July	PF/FW	Preparation of weaning food through Grains/pulses	1	Off	-	15	15	-	5	5	20
Aug.	PF/FW	Income generation through seedling preparation of flowers	1	Off	-	15	15	-	5	5	20
Sept.	PF/FW	Preparation of milk products	1	Off	-	15	15	-	5	5	20
Oct.	PF/FW	Therapeutic diet for Anemic farm women	1	Off	-	15	15	-	5	5	20
Nov.	PF/FW	Low cost nutrient efficient diet plan	1	Off	-	15	15	-	5	5	20
Dec.	PF/FW	Preservation of Amla	1	Off	-	15	15	-	5	5	20
Soil Science											
Feb.	PF/FW	INM in maize	1	Off	16	2	18	5	2	7	25
Mar.	PF/FW	Identification of adulterated fertilizer	1	Off	15	5	20	4	1	5	25
April	PF/FW	Nadep composting	2	Off	20	-	20	5	-	5	25
May	PF/FW	Techniques of vermin-composting	1	Off	15	5	20	3	2	5	25
June	PF/FW	Soil sampling technique	1	Off	15	5	20	3	2	5	25
July	PF/FW	Application of micronutrient in kharif crop	1	Off	20	-	20	5	-	5	25
Sep.	PF/FW	Patch treatment in usar soil	1	Off	15	5	20	3	2	5	25
Oct	PF/FW	Balance use of fertilizers in potato	1	Off	20	-	20	5	-	5	25
Nov	PF/FW	IPNM in wheat	1	Off	15	5	20	4	1	5	25

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	days	No. of Participants						G. T.
				Others			SC/ST participants			
				M	F	Total	M	F	Total	
Fruit plants	Nursery management	Nursery management of fruit, vegetables and forest trees	7	10	-	10	5	-	5	15
Fruits	Value Addition	Preservation of seasonal fruits	7	-	10	10	-	5	15	15
Organic input	Vermiculture	Preparation of vermin compost	7	10	-	10	5	-	5	15
Poultry birds	Poultry farming	Poultry farming for meat and egg production	7	10	-	10	5	-	5	15
Pulses	Seed production	Seed production of summer pulses	7	10	-	10	5	-	5	15
Cereal	Seed production	Seed production technique of wheat	7	10	-	10	5	-	5	15
Pulses	Seed production	Seed production technique of Gram	7	10	-	10	5	-	5	15
	Total									

iii) Training programme for extension functionaries

Date	Title of the training programme	Duration in days	Venue	Number of participants			Number of SC/ST			G.T.
				M	F	Total	M	F	Total	
Agromony										
April	Recent advances in production techniques of summer pulses	1	Off	30	2	32	8	0	8	40
June	Cultivation techniques of kharif crops	1	On	29	2	31	9	0	9	40
Sep	Importance of organic inputs in production of rabi oilseeds and pulses	1	Off	27	2	29	8	3	11	40
Oct.	Modern tools for cultivation of rabi cereal crops	1	Off	22	0	22	3	0	3	25
Horticulture										
May	Cultivation techniques of kharif vegetables	1	On	15	-	15	5	-	5	20

Sep	Cultivation techniques of potato	1	On	15	-	15	5	-	5	20
Dec	Production of off-season vegetables	1	On	15	-	15	5	-	5	20
Home Science										
Feb.	Food born diseases	1	Off	-	15	15	-	5	5	20
July	Low - cost nutri - rich food supplement for School children	1	Off	-	15	15	-	5	5	20
Sept.	Nutritional requirement for Pregnant and Lactating	1	Off	-	15	15	-	5	5	20
Dec.	Nutritional deficiency disease among children	1	Off	-	15	15	-	5	5	20
Animal Science										
June	Buffaloes calf rearing for commercial purpose	1	On	15	-	15	5	-	5	20
Sep	Cattle feed making technique.	1	On	15	-	15	5	-	5	20
Dec	Causes of infertility in buffaloes and its control.	1	On	15	-	15	5	-	5	20
Plant Protection										
Feb	Management of insect pest and disease in summer crops	1	On	15	-	15	5	-	5	20
June	Integrated Pest Management in kharif crops	1	On	15	-	15	5	-	5	20
Sep	Bio pesticide application for plant protection	1	On	15	-	15	5	-	5	20
Agriculture Extension										
Feb	Production of oil seed crops in zaid	1	On	15	-	15	5	-	5	20
June	Fertilizer management in kharif crops	1	On	15	-	15	5	-	5	20
Oct	Scientific cultivation of rabi pulses	1	On	15	-	15	5	-	5	20
	Total	20		288	66	354	88	23	111	465

iv) Sponsored Training Programmes: Depend upon the sponsoring agencies

Sl. No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants						Sponsoring Agency
							Male		Female		Total		
					Others		SC/ST	Others	SC/ST	Others	SC/ST	Total	
-	-	-	-	-	-	-	-	-	-	-	-	-	

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	20	900	100	1000	15	-	15	915	100	1015
Kisan Mela	01	500	250	750	05	-	05	505	250	755
Kisan Ghosthi	10	500	50	550	05	-	05	505	50	555
Exhibition	02	450	15	465	-	-	-	450	15	465
Group meetings	05	100	10	110	-	-	-	100	10	110
Lectures delivered as resource persons	70	3500	500	4000	200	10	210	3700	510	4210
Newspaper coverage	50	-	-	-	-	-	-	-	-	-
TV /Radio Talks	30	-	-	-	-	-	-	-	-	-
Popular articles	6	-	-	-	-	-	-	-	-	-
Extension Literature	5	2000	500	2500	100	-	100	2100	500	2600
Advisory Services	-	1000	100	1100	20	-	20	1020	100	1120
Scientific visit to farmers field	100	500	50	550	-	-	-	500	50	550
Farmers visit to KVK	-	700	100	800	100	-	100	800	100	900
Diagnostic visits	20	100	10	110	-	-	-	100	10	110
Exposure visits	02	110	-	110	-	-	-	110	-	110
Animal Health Camp	02	200	20	220	5	-	5	205	20	225
Soil test campaign	02	150	-	150	2	-	2	152	-	152
Total	325	10710	1705	12415	352	10	362	11162	1715	12877

3.5 Target for Production and supply of Technological products:

Seed Materials:

Sl. No.		Crop	Variety	Quantity (qtl.)
1	CEREALS	Wheat	K-1317	100
			Total (q)	100

Planting Materials:

Particulars	Crop	Variety	Quantity (Nos.)
FRUITS	Aonla		200
SPICES	Onion	ADR	25000
VEGETABLES	Tomato	Hybrid	2000
ORNAMENTAL CROPS	Rose & Bella	-	100
Total			27300

3.6. Literature to be Developed/Published

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

(B) Literature to be developed/ published: As per requirement

Item	Number of copies
Research papers	8
Technical reports	3
News letters	300
Technical bulletins	2
Popular articles	7
Extension literature	5
Others Magazine	1000
TOTAL	1325

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

- (i) Summer tomato
- (ii) Green manuring
- (iii) Kharif onion

3.8 Indicate the specific training need analysis tools/methodology followed

- Identification of courses for farmers/farm women
- Rural Youth
- Inservice personnel

3.9 Indicate the methodology for identifying OFTs/FLDs

- (i) PRA
- (ii) Personal Interview of farmers

3.10 Field activities

i. Name of villages identified for adoption with block name

Sl. No.	Name of Block	Name of Villages
1.	Kannauj	(i) Mitrasenpur
		(ii) Naserapur
2.	Jalalabad	(i) Bahelihanpurwa
		(ii) Pachpukhara
		(iii) Alinagar
3.	Talgram	(i) Pindarikheda
		(ii) Rautamai
4.	Chhibaramau	Madhopur
5.	Umarda	Allahpur

ii. No. of farm families selected per village : 25

iii. No. of survey/PRA to be conducted : 3

3.10. Activities of Soil and Water Testing Laboratory: Not applicable

3.11 Targets of samples for analysis

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	300	3000	5	
Water Samples				
Total	300	3000	5	

4.0 LINKAGES

4.1 Functional linkage with different organizations

	Name of organization	Nature of linkage
1.	Horticulture Department	Training, Meeting, Goshti, Diagnostic survey
2.	Agriculture Department	Training, Meeting, Goshti, Demonstration & Diagnostic survey
3.	Ram Ganga Command	Training, Meeting, Goshti
4.	Soil Conservation Department	Training, Meeting, Goshti
5.	Regional Rural Bank	Training, Meeting, Goshti
6.	Animal Department	Training, Meeting, Goshti

List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies : N/A

4.3 Details of linkage with ATMA

a) Is ATMA implemented in your district: Yes

S. No.	Programme	Nature of linkage
1.	Training & Demonstration	Participatory

4.4 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1.	Training, meeting & demonstration	Participatory

4.5 Nature of linkage with National Fisheries Development Board: Nil

5.0 Utilization of hostel facilities: Nil

Integrated Farming System Model at KVK.

S. No	Details	No./Unit	Rate (Rs)	Total amount (Rs)
A	Water harvesting and fish production			
1	Digging of pond			78,000.00
2	Construction of Inlet and outlets			15000.00
3	Fingerlings and feed			7000.00
	Total (A)			100000.00
B	Goat Unit			
1	Goats kids breed Barbari	10	1000/-	10000.00
2	Goat shed (bricks, cement, murrum, iron angles, tin or asbestos sheets, door, etc.)	10m X 4m		95000.00
3	Contractual skilled labour for a year	365 days	200/-	73000.00
4	Fodder cutting machine	1	5000/-	5000.00
5	Feeding materials (grain)			25000.00
6	Fodder production throughout the year	0.2 ha		10000.00
	Total (B)			218000.00
C	Agri-horti Unit in salt affected soil			
1	Digging of pits 1mX1mX1.5m for aonla, ber, bel, etc	60	400/-	24000.00
2	Filling of good quality transported soil, FYM, sand and chemicals	60	350/-	21000.00
3	Planting material	70	100/-	7000.00
4	Planting, watering and after care			6000.00
5	Cultivation of intercrops like mustard/ barley/wheat/ green gram/ black gram (Field preparation, seed, fertilizers, irrigation, weed management, harvesting and threshing, etc) at least two crops in a year	0.4 ha		20000.00
	Total (C)			78000.00

D	Crop production			
1	Green manure-paddy-wheat	0.4 ha		30000.00
2	Recycling of crop residues through vermin-composting or decomposition for enrich of soil health			5000.00
	Total (D)			35000.00
E	Vermi-composting			
1	Worms, dung, bags, polythene bags, etc			10000.00
	Total (E)			10000.00
F	Fencing of IFS model area for security	450 running meter		
1	Cement poles (7 fit height)	150	250/-	22500.0
2	Barbed wire	4 qt	8000/-	32000.00
3	Digging of pits	150	50/-	7500.00
4	Fixing of poles with brick, cement and murrum	150	250/-	22500.00
5	Fitting and labour charges			10000.00
	Total (F)			94500.00
G	Honey bee keeping			
1	Honey bee colonies	10	1500/-	15000.00
2	Feeding Material			5000.00
	Total (G)			20000.00
H	Drip-irrigation system in Agri-horti system	0.40 ha		44500.00
Total				6,00,000.00

Suggestions / New Items/ Initiatives

Watchman

At least two watchmen are essentially required for watching of KVK buildings and farm. For this, two persons may be kept on contractual basis for this Rs. **1.5 lakh** / year must be provided in addition.

Requirement regarding infrastructure

1. Pakka Road:

There is 1000 mtr Kachcha road on the farm which creates problems during rains and the rest of the time. Sometimes movement of vehicles is not possible so, Pakka road is essentially required to easy movement and enhance the efficiency. For the construction of cemented and brick road **Rs. 40.00 lakh** is required.

2. Underground irrigations:

There is much loss of water and very low water use efficiency because of uneven land surface. Much of the water losses in the irrigation channels and also creates other problems any breaking the channels. To improve the efficiency and coverage area and to reduce the electric charges, 1500 mtrs. Underground irrigation systems is required. It will require **Rs. 15.00 Lakh**.

Action Plan
(January to December, 2023)
Cluster Frontline Demonstrations on pulses and Oilseeds under NFSM

I. General Information

1	Name of the KVK	Kannauj
2	Year of establishment	2004
3	Host Institution	CSAUA&T, Kanpur
4	Address for communication including phone and fax numbers	Krishi Vigyan Kendra, Anaugi, Jalalabad, Kannauj
5	District	Kannauj
6	State	Uttar Pradesh

II. Cluster FLDs on pulses

1	Name of the crop	Mungbean
2	Season and year	Zaid, 2023
3	No. of FLDs (farmers)	25
4	Area (ha)	10.0
5	Sanctioned budget (Rs.)	90000.00
6	FLDs will be implemented in clusters	1
7	Land situation	Irrigated
8	Name of variety/varieties demonstrated	Mungbean variety IPM 2-3/Sweeta
9	Technologies/package of practices demonstrated in each cluster	1. Improved variety 2. Use of Rhyzobium culture and PSB culture @ 1 pack/ 10kg seed 3. Micronutrient Sulphur @ 25 Kg/ha and

		4. Application pesticide Imidacloprid @ 250 ml/ha for insect management
10	Expected Sowing date/dates as per clusters	15.03.2022 to 15.04.2022

III. Cluster FLDs on Oilseeds

1	Name of the crop	Mustard
2	Season and year	Rabi, 2023
3	No. of FLDs (farmers)	50
4	Area (ha)	20.0
5	Sanctioned budget (Rs.)	120000.00
6	FLDs will be implemented in clusters	2
7	Land situation	Irrigated
8	Name of variety/varieties demonstrated	Mustard variety RH 749/DRMR IJ 31
9	Technologies/package of practices demonstrated in each cluster	1. Improved variety 2. Use of Azotobactor and PSB culture @ 1 pack/ 10kg seed 3. Micronutrient Sulphur @ 25 Kg/ha and 4. Application pesticide Cyper-chloro @ 1.5 lt/ha for insect management
10	Expected Sowing date/dates as per clusters	15.10.2022 to 30.10.2022

ANNUAL ACTION PLAN

KVK ETAWAH

(January to December, 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
	Office	FAX		
KRISHI VIGYAN KENDRA, ETAWAH	05688 – 262370	---	pckvketawah@gmail.com	http://etawah.kvk4.in/

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

Address	Telephone		E mail	Website
	Office	FAX		
C. S. A. University of Agriculture & Technology, Kanpur-208002	0512 – 2534155 0512 –2534165	0512 - 2533808	vccsau@gmail.com	csauk.ac.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 : Not working

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. M.K. Singh	---	9415154822	pckvketawah@gmail.com

1.4. Year of sanction (as per MOU) : 2004

1.5. Staff Position (as on August, 2023)

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/OB/C)	Mobile No.	Email id	Please attach recent photograph
1	SMS	Dr. M.K. Singh	Scientist	Horticulture.	141400-217100	8000	13700	08-01-2001	Permanent	GN	9412304702	pckvketawah@gmail.com	
2	Subject Matter Specialist	Smt. Sunita Mishra	Scientist	Home Sci.	79800-211500	8000	04100	06.01.92	Permanent	GN	9412185459	sunitamishra265@gmail.com	

3	SMS	Dr. Bhuendra Kumar Singh	Scientist	Plant Protection	79800-211500	8000	04100	29.11.2004	Permanent	GN	9415687594	drbksinghsa@gmail.com	
4	Subject Matter Specialist	Dr. Vijay Bahadur Jaiswal	Scientist	Agronomy	79800-211500	8000	04100	29.11.2004	Permanent	GN	9450077316	vijay0131@radiffmail.co	
5	Subject Matter Specialist	Dr. Rajesh Rai	Scientist	Ag. Ext.	79800-211500	8000	04100	29.11.2004	Permanent	GN	6393148476	rajeshrai.csa@gmail.com	
6	SMS	Dr. Yogesh Yadav	Scientist	AH	79800-211500	8000	04100	29-11-2004	Permanent	OBC	9412283005	yogshydv79@gmail.com	
7	Subject Matter Specialist	Dr. Kamal Kant	Scientist	Ag. Engg.	79800-211500	8000	01100	11-04-2008	Permanent	SC	9412502884	Kamalkant.ari@gmail.com	
8	Farm Manager/T-4	Vacant	--	--	--	--	--	--	--	--	--	--	--
9	Program Assistant (computer)/T-4	Vacant	--	--	--	--	--	--	--	--	--	--	--
10	Program Assistant (lab technician)/T-4	Vacant	--	--	--	--	--	--	--	--	--	--	--
11	Assistant	Vacant	--	--	--	--	--	--	--	--	--	--	--
12	Stenographer	Sri Ram Prasad	Computer Operator	---	29200-92300	2800	40400	21-05-2007	Permanent	OBC	9450737883		
13	Driver	Sri Praveen Kumar	Jeep Driver	---	25500-81100	2400	32300	18.05.2007	Permanent	GEN	7843907111	---	
14	Driver	Sri Harendra Singh	Tractor Driver	---	9300-	4200	47600	05.12.1992	Permanent	GEN	8009958385	---	
15	Supporting staff	Sri Ram Veer Singh	Anusewak	---	19900-63200	1900	30200	01.12.05	Permanent	OBC	9675557290		
16	Supporting staff	Sri Promod Kumar	Anusewak	---	19900-63200	1900	30200	01.12.05	Permanent	OBC	9410221989		

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.06
2.	Under Demonstration Units	0.1
3.	Under Crops	2.2
4.	Horticulture	0.2
5.	Pond	0.0
6.	Others if any	0.1
Total		2.66

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	June, 2007	525.00 m ²	28,80,000.00	---	---	---		
2.	Farmers Hostel	ICAR	---	---	---	---	---	---		
3.	Staff Quarters (6)	ICAR	---	---	---	---	---	---		
4.	Demonstration Units (2)	ICAR	---	---	---	---	---	---		
5	Fencing	ICAR	---	---	---	---	---	---		
6	Rain Water harvesting system	ICAR	---	---	---	---	---	---		
7	Threshing floor	ICAR	---	---	---	---	---	---		
8	Farm godown	ICAR	---	---	---	---	---	---		
9	Other									
10	...									

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status	Required replacement
Bolero jeep	2005	457526.00	285681	Condemn	Yes
Tractor	2005	400000.00	----	Working	
Motor Cycle	2009	49737.00	-	Poor	Yes

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status	Required replacement
Tractor Trolley	2005	52,000.00	Good	
Disc Harrow	2005	21,500.00	Very Poor	Required
Leveler	2005	7,500.00	Good	
Seed drill	2005	22,300.00	Good	
Thresher	2005	47,500.00	Good	
Cultivator	2005	12,265.00	Poor	
Computer	2006	35,200.00	Very Poor	Required
Scanner	2006	11,000.00	Very Poor	Required
Laser Printer	2006	23,000.00	Good	
Xerox Machine	2007	56,076.00	Very Poor	Required
LCD	2007	60,500.80	Good	
Steplizer	2007	3850.00	N.A.	
Computer Lab	2009		Very Poor	Need to Repairing

1.8. A). 2. DETAILS OF DISTRICT
2. DETAILS OF DISTRICT (2023)

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

S. No.	Farming system/enterprise
1.	Maize-potato-maize, Maize-potato-late sown wheat
2.	Pearl millet-potato/wheat-summer vegetables
3.	Pearl millet-chickpea-summer vegetables
4.	Maize-mustard-late sown wheat
5.	Paddy-wheat
6.	Groundnut-potato-Mungbean/Urdbean
7.	Pigeonpea- Mungbean/Urdbean
8.	Garlic, onion, Vegetable pea for green pods and water melon, cucumber and cucurbits are components of farming system
9.	Mango and guava orchard and riverbed farming system are also in practices

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

District Etawah is a part of alluvial tract but its physical features vary considerably determined by the rivers across it. On the basis of natural characteristics, district Etawah is divided in three natural group's viz. Pachar, Ghar and Par.

S. No	Agro-climatic Zone	Characteristics
1.	South-Western Plain	1. Soil types-Alluvial, calcareous clay, saline, alkaline
		2. Rainfall 712 mm
		3. Thrust areas-salt tolerant varieties required, wilt and pod borer control, Introduction of HYV and use of Bio-fertilizers.
		4. Intensive irrigated farming.
		5. Intensive use of cultivable land, multiple cropping
		6. Reclamation and management of saline, alkaline land and animal husbandry.

b) Topography

S. No	Agro ecological situation	Characteristics
1.	Pachar Region (Bharthana & Takha)	Northern portion of district Etawah is separated by river Senger, called pachar. It presents a level expansion of upland surface broken by sandy ridges of three rivers, Pandu, Arind and Rind and its tributaries i.e. Ahneya and Puraha. Soil is fertile and loam, clay or loamy clay in nature with ussar patches. Jhils are also present in this part.
2.	Ghar region (Jaswant Nagar, Safai, Maheva and Basrehar)	Ghar is situated Between river Senger and Yamuna. Soils of this area is light red, fertile and sandy. Clays loam soils are also visible with ussar patches. In this part ground rises into hillocks of sand and bhur. Most of the cultivable area is

		irrigated with lower Ganga canal and its branches. Area is less density populated and village sites are smaller than Pachar.
3.	Par Patti Region (Chakarnagar and Barhpura)	This area is situated between Yamuna and Chambal is called par. Soils of this area are sandy, loam, loamy sand, clay and loam clay. Clay is full of holes and fissures like black soil of Bundelkhand. White sandy Kachhar soils are also visible on the bank of Yamuna. Jamunapari goat and Bhadawari buffaloes are prime genetic natural resource of this area.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	Clay and Loamy clay (Pachar)	<p>Yamuna mixed allurivm (Type 5) These are dark grey loam to clay loam soils forming small to medium fissures on drying resembling black soils of Bundelkhand. They are mildly alkaline and impregnated with ferromanganese concretions up to 2 mm. diameter. The basaltic alluvium of Yamuna is often overlain on Gangetic alluvium or vice-versa, constituting double-story profiles with marked lithological discontinuity. Taxonomically, they key out as vertic ustrochrepts. These soils are located in south of river Yamuna as small patches in Etawah.</p> <p>Sengar flats (type 2B) These are grey to ashgrey soils having loam to silt loam surface and underlain by clay loam and silty clay loam subsoils. The illuviation of clay is marked by the presence of agrillans on horizontal as well as vertical ped faced. They are mildly to moderately alkaline and Calcerous specially at low depths. These are quite productive and cover major pat of the District in the tract lying north east of river Sengar.</p> <p>Sengar flats Holomorphic (Type 2A) They are grey to dark grey, silty loam to loam soil undertain by compact, sticky and plastic subsoils and calcic or occasionally petrocalcic horizons from 120 to 180 cm soils depth. They are moderately to strongly and very strongly alkaline soils having moderately high amounts of water soluble salts comprizing mainly of CO_3^-, and HCO_3^- of Na^+ with small amounts of Cl^-, SO_4^-, CA^{++}, Mg^{++} and K^+. The surface horizon has fine to medium, moderate, platy structure with common, medium vesicular pores. The sub soils have moderate to strong, medium prismatic structure breaking into subangular blocks. The hydraulic conductivity is very poor. Taxonomically, these soils keyout as typic natrustalfs, Aquic Natrustalfs, Typic natraqualfs and petrocaleic natrustalfs. The soils are studded as small to large user patches with in Sengar flats mostly in Etawah.</p>	56158.00
2.	Red, Sandy, Ussar and Clay Loam (Ghar)	<p>Yamuna uplands sandy (Type 3A) These are pale brown to light yellowish brown sandy loam soils with brownish yellow to yellowish brown sandy loam sub soils with little or no evidence of illuviation. They are mildly to moderately calcerous at lower depths. They are mildly to moderately alkaline, permeable soils with problem of water searcity due to low water table. Taxonomically, these soils are</p>	1,10,127.00

		<p>classified as typic ustochocceptes. They are located in areas lying between the river Sengar and Yamuna and Chambal and Yamuna.</p> <p>Recent alluvium. (Type 1)</p> <p>These are light grey to light brownish grey sandy loam to silt loam soils throughout the pedon depth, being neutral to moderately alkaline. The irregular distribution of organic matter content with depth and litho logical discontinuities characterized by widely differing coarse sand/fine sand ratios suggest the young and flaeval character of these soils. They are dounf in narrow strips of low and plains. Subject annual inundation of river Yamuna in Etawah. Taxonomically, these soils key out as ustifluvents.</p>	
3.	Loam, Loamy Sand, Clay and Loamy Clay (Par)	<p>Yamuna low lands (Type 4)</p> <p>They are grey to very dark grey loam to clay loam soils at the surface with silty clay loam to clayey sub surfaces. They have fine to medium, distinct reddish brown mottles in the sub soil chroma (2). They are neutral, form soluble salt menace but have severe drainage problems. Talxonomically, they keyout as typic ochraqualfs and aeric ochraqualfs. They are located with in Sengar flats as small patches constitute only a small fraction of the soils of the district.</p> <p>Yamuna uplands loamy (Type 3B)</p> <p>These soils are greyish brown to yellowish brown, sandy to loam soils with some what heavier sub soils enicing illuviation of clay, sesquioxides and occasionally lime. They are neutral to moderately alkaline, moderately permeable and fertile soils. Talxonomically, they key out as ustochrepts and typic Haplustalfs. They are located in areas adjoining type 3A.</p> <p>Yamuna uplands sandy (Type 3A)</p> <p>These are pale brown to light yellowish brown sandy loam soils with brownish yellow to yellowish brown sandy loam sub soils with little or no evidence of illuviation. They are mildly to moderately calcerous at lower depths. They are mildly to moderately alkaline, permeable soils with problem of water searcity due to low water table. Taxonomically, these soils are classified as typic ustochocceptes. They are located in areas lying between the river Sengar and Yamuna and Chambal and Yamuna.</p>	79,095.00

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

S. No	Crop	Area (ha)	Production (Tonnes)	Productivity (Qtl /ha)
1.	Paddy	51152	159185	31.10
2.	Wheat	95396	393462	41.10
3.	Maize	5417	15045	27.8
4.	Bajra	35237	89094	25.30
5.	Jowar	173	224	12.90
6.	Barley	1566	5382	34.40
7.	Pigeonpea	1690	3064	18.10
8.	Moong	6962	7311	10.50
9.	Urd	1430	1101	7.70
10.	Gram	1655	2307	13.90
11.	Til	1312	213	1.60

12.	Groundnut	80	75	9.40
13.	Mustard	17713	34848	19.70
14.	Potato	15862	464106	292.6
15.	Garlic	4218	35315	60.00
16.	Vegetables	2055	-	-
17.	Fodder Crops	3600	-	-

2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
January-2022	00	18	8	-
Feb-2022	00	22	13	-
March-2022	01	32	15	-
April-2022	35	38	15	-
May-2022	00	44	25	-
June-2022	60	45	37	-
July- 2022				
August-2022				
September-2022				
October- 2022				
November-2022				
December-2022				

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	1596	16488	10.6
<i>Indigenous</i>	46854	210843	4.50
Buffalo	92649	435450	4.70
Sheep			
<i>Crossbred</i>			
<i>Indigenous</i>	13885	--	--
Goats	224250	--	--
Pigs			
<i>Crossbred</i>	632	--	--
<i>Indigenous</i>	16903	--	--
Rabbits			
Poultry			
Hens			
<i>Desi</i>	38011	--	--
<i>Improved</i>	9042	--	--
Ducks			
Turkey and others			

Category	Area	Production	Productivity
Fish	32.22	54.00q.	--
<i>Marine</i>			
<i>Inland</i>			
Prawn			
Scampi			
Shrimp			

2.7 Details of Operational area / Villages (2022-23)

Sl.No	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Barhpura	Kandhani, Kunaira, Ekdil, Khera Ajab singh, Manikpurbisu, Bhadpura, Deshar mau, Chandanpur & Kakarpur	Pigeon pea, rice, Pearl millet, Wheat, Chick pea, Potato	i) Ravines ii) Increased Soilerosion iii) Inadequate irrigation iv) Deep water table v) Weak Infrastructure	1. Poor seed replacement ratio 2. Imbalanced fertilizer use 3. Infestation of weeds 4. Infestation of BPH, root weevil & army women Gandhi bug 5. Inadequate & untimely support services. 6. Heavy infestation of pod borer
2.	Jashwant Nagar	Nagala Ram Lal, Jainpur Nagar & Nagala Chhatte	Maize, Rice, Wheat, Pearl Millet, Potato, Mustard, Vegetable, Pulses, Cow, Buffalo & Goat.	i) Dense population ii) Soil becoming infertile iii) Water table becoming lower iv) Increased infestation of disease and pest	1.Non-availability of potential short duration varieties. 2.Poor seed replacement ratio 3.Imbalanced fertilizer use 4.Infestation of weeds 5.Heavy infestation of pod borer
3.	Bharthana	Naglapattu, Dariyan Daulatpur	Rice, wheat, lentil, urdbean, mungbean, mustard, linseed and potato	i) Uneven topography ii) Water lagging Sodic soil iii) Weak infrastructure iv) Soil becoming infertile v) Increase in infestation of disease and pest	1. Non-availability of quality seed. 2. Non-availability of short duration varieties for sodic lands. 3. Imbalanced fertilizer use. 4. Infestation of BPH, root weevil & Gandhi bug 5. Poor seed replacement.
4.	Saifai	Hardoi, Birauli, Khushhalpur & Nagala Karan, Tulsipur, Saifai	Paddy, Sorghum, Maize, Urdbean, Mungbean, Field pea, Chickpea, Mustard, Potato, Sugar cane & Berseem, Summer groundnut, Summer bajra	i) Dense population ii) Soil becoming infertile iii) Increased infestation of disease and pest iv) Water table becoming lower	1. Non-availability of potential short duration varieties. 2. Poor seed replacement ratio 3. Imbalanced fertilizer use 4. Infestation of weeds 5. Inadequate & untimely support services. 6. Heavy infestation of pod borer, aphid and alternaria blight.
5.	Basrehar	Kharkouli, Killisultanpur, Bhuta, Chitbhawan	Sorghum, Pearl millet, Paddy, Sugarcane, Urdbean, Mungbean, Lentil, Chickpea, Field Pea and	i) Dense population ii) Soil becoming infertile iii) Increased infestation of disease and pest iv) Water table becoming lower	1. Heavy blight incidence. 2. Imbalanced fertilizer use, particularly lower use of organic manures. 3. Fluctuating prices. 4. Lower prices due to heavy incidence of black scurff. 5. Infestation Of hairy cater pillar and mosaic.

			Wheat		6. Heavy infestation of pod borer, aphid and alternaria blight.
6.	Chakarnagar	Piprauli gardiya, Gadakasda, Chakarnagar, Kindauli, Rajpur	Pigeon pea, Mustard, Pearl millet, Maize, Seasumum, Wheat, Chick pea,	i) Ravines ii) Increased Soilerosion iii) Inadequate irrigation iv) Deep water table v) Weak Infrastructure	1. Poor seed replacement ratio 2. Imbalanced fertilizer use 3. Infestation of weeds 4. Infestation of BPH, root weevil & army women Gandhi bug 5. Inadequate & untimely support services. 6. Heavy infestation of pod borer
7.	Takha	Nagla Karan, Belahar, Parasurampur, Naglachatur, Nagla lote, Takha, Narainpura	Paddy, Sorghum, Maize, Mustard, Potato, Garlic, Onion, Wheat, Summer groundnut	i) Dense population ii) Soil becoming infertile iii) Increased infestation of disease and pest iv) Water table becoming lower	1. Non-availability of potential short duration varieties. 2. Poor seed replacement ratio 3. Imbalanced fertilizer use 4. Infestation of weeds 5. Inadequate & untimely support services. 6. Heavy infestation of pod borer, aphid and alternaria blight.
8.	Mahewa	Neel Devata, Nawada Khurd, Vyasapura, Mukutpura	Rice, wheat, lentil, urdbean, mungbean, mustard, linseed and potato	i) Uneven topography ii) Water lagging Sodic soil iii) Weak infrastructure iv) Soil becoming infertile v) Increase in infestation of disease and pest	1. Non-availability of quality seed. 2. Non-availability of short duration varieties for sodic lands. 3. Imbalanced fertilizer use. 4. Infestation of BPH, root weevil & Gandhi bug 5. Poor seed replacement.

2.8 Priority thrust areas

Crop/Enterprise	Thrust area
Bajra	Integrated Nutrient Management Weed management HYV Conservation of soil and water
Paddy	Integrated Nutrient Management Weed management Integrated pest management Water management
Potato	Integrated Nutrient Management Integrated pest and disease management Varietal evaluation
Wheat	Varietal evaluation for timely late sown condition

	Integrated Nutrient Management Integrated weed management
Groundnut	Varietal evaluation Integrated pest and disease management Integrated Nutrient Management Crop diversification
Mung / Urd/ Pigeon pea	Varietal evaluation Integrated pest and disease management
Vegetables	Varietal evaluation Integrated pest and disease management Water management Integrated Nutrient Management
Fruit plant	Crop diversification through agro-forestry Integrated pest and disease management Poor fruiting/bearing
Animals	Breed improvement Feed management Disease management
Extension	FPO Awareness
Farm machinery	Repair and Maintenance of farm Machinery/equipments

3. TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

OFT		FLD	
1		2	
Number of OFTs	Number of Farmers	Number of FLDs	Number of Farmers
15	75	100 ha	200

Training		Extension Activities	
3		4	
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2000	18	12877

Seed Production (Qtl.)	Planting material Production (Nos.)	Fish seed prod. (Nos.)	Soil Samples analyzed (Nos.)	Development of Soil Health Cards (Nos.)
200	20000	--	200	1800

Quality seed distributed (q)	No. of saplings distributed (Nos.)	No. of fingerlings distributed (Nos.)	No. of livestock & poultry strains distributed (Nos.)

3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Varietal evaluation and INM	Wheat	Poor yield due to use of old varieties	Assessment of timely sown wheat varieties	-	Cultivation of wheat	-	Field day	Seed
2	Varietal evaluation	Scented Rice	Poor yield	Assessment of Scented Rice varieties	HYV, weed management and micronutrient	Cultivation of Scented Rice PB 1817	-	Field day	Seeds of varieties
3	Varietal evaluation	Okra	Poor yield and disease YMV	Assessment of YVMV resistant variety of okra for higher yield and income.	HYV, weed management and micronutrient	Cultivation of okra	-	Field day	Seeds of varieties
4	IDM	Paddy	False smut and stem borer	Management of False smut and stem borer	IPM	IPM in paddy	Management of False smut and stem borer	Field day	Insecticide And fungicide
5	Weed management		High infestation of weeds	Assessment of weed control efficiency	Weed management	Integrated weed management		Field day	Weedicide
6	IDM	Potato	Potato scab and black scurf	Integrated disease management	IDM	Insect- pest and diseases management		Field day	T. viridi and fungicide
7.	IDM	Potato	Late blight disease	Integrated disease management	IDM	Insect- pest and diseases management		Field day	Fungicides
8.	INM	Garlic	Imbalance use of Fertilizer		INM			Field day	Fertilizers
9	INM	Cauliflower	Imbalance use of fertilizers	-	Use of micronutrients				Sulphur and Boron
10	RCT	Paddy	High water demand	Assessment of suitable technique of tomato				Field day	Seed
11	INM	Cauliflower	Imbalance use of fertilizers	-	Use of micronutrients				Sulphur and Boron

12	Varietal evaluation and INM	Garlic	Local or zaid variety	-	Improved variety for	Cultivation of Garlic	-	Field day	Seeds of varieties and S
13	IDM		Root rot		IDM	Diseases management		Field day	T. viridi and fungicide
14	INM	Onion	Low yield	-	INM			Field day	Sulpher
15	INM	Rose	Imbalance use of fertilizers	-	INM	Cultivation of rose	-	Field day	NPK
16	INM	Marigold	Imbalance use of fertilizers	Assessment of nutrient dose	Use of balance fertilizers with FYM	Cultivation of Marigold	-	Field day	NPK
17	IPM and INM	Brinjal	Infestation of insect		Seed treatment			Field day	Fungicide and cultures
18	RCT	Paddy	High water demand	Assessment of suitable technique of				Field day	Seed
19	Varietal evaluation	Banana	No cultivation		Introduction of banana Var. G-9	Cultivation of banana		Field day	Sapling of banana
20	Varietal evaluation	Pearl millet	Low yield		Varietal evaluation				Seeds of varieties
21	Varietal evaluation	Berseam	Low yield		Varietal evaluation				Seeds of varieties
22	Varietal evaluation	Oat	Low yield		Varietal evaluation				Seeds of varieties
23	Varietal evaluation	Kitchen garden	Mall nutrition in rural people	-	Kitchen gardening	Kitchen gardening	Planning and lay out of Kitchen gardening	Field day	Seeds
24	Feed Mgt.	Buffaloes		Evaluation of urea treated wheat straw on lactating animals				Field day	-

3.1 Technologies to be assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flowers	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	2	-	-	-	1	-	-	-	-	3
Weed Management	1	-	-	-	-	-	-	-	-	1
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-

Integrated Nutrient Management	-	-	-	-	1	-	-	-	-	1
Integrated Pest Management	1	-	-	-	-	-	-	-	-	1
Integrated Disease Management	1	-	-	-	-	-	-	-	2	3
RCT	1	-	-	-	1	-	-	-	-	2
Grain storage	1	-	-	-	-	-	-	-	-	1
Drudgery Reduction	1	-	-	-	-	-	-	-	-	1
Organic Farming	-	-	-	-	-	1	-	-	-	1
TOTAL	8	-	-	-	3	1	-	-	3	14

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Vermi culture	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-	-	-
Nutrition Management	1	-	-	-	-	-	-	1
Disease of Management	1	-	-	-	-	-	-	1
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
TOTAL	2	-	-	-	-	-	-	2

B. Details of each On Farm Trial to be furnished in the following format

OFT 1

Varietal Evaluation

- | | | |
|---|---|--|
| 1. Crop/Enterprise | - | Wheat |
| 2. Title of on farm trial | - | Assessment of timely sown wheat varieties |
| 3. Problem diagnosed | - | Poor yield due to use of old varieties |
| 4. Farming situation | - | Irrigated |
| 5. Production system and thematic area | - | Varietal evaluation |
| 6. Farmers' Practices | - | Use of varieties i.e. HD 2967 |
| 7. Details of technologies selected for assessment/refinement | - | T ₁ Farmers practices (Use of varieties i.e. HD 2967) |
| | | T ₂ DBW 187 |
| 8. Source of technology | - | Karnal |
| 9. No. of farmers | - | 05 |
| 10. Critical input | - | Seed |
| 11. Performance indicators | - | |
| (i) Technical | - | (i) Yield q/ha. |
| (ii) Economic | - | Cost of cultivation and net returns |

- (iii) Social - Acceptance

OFT-2: Varietal Evaluation

1. Crop/Enterprise - **Scented Rice**
2. Title of on farm trial - Assessment of Scented Rice varieties
3. Problem diagnosed - Poor yield due to use of old varieties
4. Farming situation - Irrigated
5. Production system and thematic area - Varietal evaluation
6. Farmers' Practices - Use of varieties i.e. PB 1509
7. Details of technologies selected for assessment/refinement - T₁ Farmers practices (Use of varieties i.e. PB 1509)
T₂ PB 1817
8. Source of technology - IARI New Delhi
9. No. of farmers - 05
10. Critical input - Seed
11. Performance indicators -
 - (i) Technical - (i) Yield q/ha.
 - (ii) Economic - Cost of cultivation and net returns
 - (iii) Social - Acceptance

OFT-3: Varietal Evaluation

1. Crop/Enterprise - **Okra**
2. Title of on farm trial - Assessment of YVMV resistant variety of okra for higher yield and income.
3. Problem diagnosed - Low yield due to old variety & YVMV disease of okra.
4. Farming situation - Irrigated
5. Production system and thematic area - Cauliflower-tomato-Okra and Varietal Evaluation
6. Farmers' Practices - Cultivation of local variety /old variety Pusa Sawani
7. Details of technologies selected for assessment - T₁ Farmers Practices (Pusa Sawani, Parbhani Kranti)
T₂ Improve variety Kashi Vardan
8. Source of technology : T₃ Improve variety Kashi Chaman
9. No. of farmers - 05
10. Critical input - Seed
11. Performance indicators -
 - (i) Technical - (i) Number and weight of fruits./ plant
(ii) Infected plants/sq m
(iii) Yield
 - (ii) Economic - Cost benefit ratio
 - (iii) Social - Farmer perception

OFT4. : Integrated Nutrient Management

1. Crop/Enterprise - **Garlic**
2. Title of on-farm trial - To assess the proper dose of plant nutrients for garlic production
3. Problem diagnosed - Lower productivity and profitability in Garlic cultivation due to imbalance use of fertilizers and and no micronutrients.
4. Farming situation - Irrigated
5. Production system and thematic area - INM
6. Farmers' Practices - Imbalance dose of fertilizers
7. Details of technologies selected for assessment/refinement - T₁ Farmers practice – 160:80:100 kg NPK/ha
T₂ Recommended dose of fertilizers (125:60:100 NPK /ha + sulphur @ 40 kg/ha)
8. Source of technology -
9. No. of farmers - 05
10. Performance indicators -
 - (i) Technical (i) Days to maturity
(ii) bulb size
(iii) Yield
 - (ii) Economic Cost benefit ratio

OFT 5. : Integrated Weed Management

1. Crop/Enterprise - **Paddy**
2. Title of on farm trial - Assessment of new weedicide for control of weed.
3. Problem diagnosed - Poor yield of Paddy due to heavy infestation of *Laptochloa chinensis*
4. Farming situation - Irrigated
5. Production system and thematic area - Paddy-wheat Cropping System.
6. Farmers' Practices - Use of bispyribac sodium
7. Details of technologies selected for assessment/refinement - T₁ Farmers practices (bispyribac sodium)
T₂ Application of Fenoxypop ethyl @ 1 liter/ha.
8. Source of technology - CRRRI Cuttuck
9. No. of farmers - 05
10. Critical input - Weedicide
11. Performance indicators -
 - (i) Technical (i) No. of tillers/ plant
(ii) No. of weeds/ sq m
(iii) Yield q/ha.
 - (ii) Economic - Cost benefit ratio

- (iii) Social - Acceptance

OFT 6. : Integrated Disease Management

1. Crop/Enterprise - **Potato**
2. Title of on farm trial - Management of black scurf diseases of potato.
3. Problem diagnosed - Black scurf disease causing poor appearance and quality and resulting low income of potato.
4. Farming situation - Irrigated
5. Production system - Green manure/ maize-potato- maize/ wheat, IDM
6. Farmers' Practices - Seed treatment with Pencycuran (Monceren) @ 1.0 lt. per ha seed
7. Details of technologies selected for assessment - T₁ FP (Pencycuran @ 1.0 lt. per ha seed)
T₂ Seed treatment with Thifluzamide @ 1.00 lt. per ha seed
T₃ Seed treatment with Penflufen @ 0.75 lt. per ha s
8. Source of technology - CPRI, Modipuram
9. No. of farmers - 05
10. Critical input - Fungicides
11. Performance indicators -
 - (i) Technical - (i) Diseases intensity
(ii) Yield
 - (ii) Economic - Cost benefit ratio
 - (iii) Social - Farmer perception

OFT 7. : Integrated Disease Management

1. Crop/Enterprise - **Potato**
2. Title of on farm trial - Assessment of new fungicides for the management of late blight diseases of potato.
3. Problem diagnosed - Low yield of potato due to late blight disease
4. Farming situation - Irrigated
5. Production system and thematic area - Green manure/ maize-potato- cucurbits/ wheat, IDM
6. Farmers' Practices - Spraying of Mancozeb @ 2.5 kg per ha
7. Details of technologies selected for assessment/refinement - T₁ Farmers Practices (Mancozeb @ 2.5 kg per ha)
T₂ Spraying of Dimethomorph @ 1.25 kg/ ha
8. Source of technology - CPRI, Modipuram
9. No. of farmers - 05
10. Critical input - Fungicides
11. Performance indicators -
 - (i) Technical - (i) Diseases intensity
(ii) Yield
 - (ii) Economic - Cost benefit ratio
 - (iii) Social - Farmer perception

OFT- 8. : Integrated Disease management

- | | | | |
|-----|--|---|--|
| 1. | Crop/Enterprise | - | Paddy |
| 2. | Title of on farm trial | - | Management of false smut of rice |
| 3. | Problem diagnosed | - | Low yield of paddy due to false smut disease |
| 4. | Farming situation | - | Irrigated |
| 5. | Production system and thematic area | - | IDM |
| 6. | Farmers' Practices | - | No application of fungicides |
| 7. | Details of technologies selected for assessment/refinement | - | T ₁ Farmers Practices
T ₂ Two Spraying of propiconazole @ 500 ml/ha
T ₃ Two spraying Chlorothalonil @ 1 kg/ha |
| 8. | Source of technology | - | CRRI, Cuttack |
| 9. | No. of farmers | - | 05 |
| 10. | Critical input | - | Fungicides |
| 11. | Performance indicators | - | |
| | (i) Technical | | (i) Diseases intensity
(ii) Yield |
| | (ii) Economic | | Cost benefit ratio |
| | (iii) Social | | Farmer reaction |

OFT- 9. : Integrated Pest management

- | | | | |
|-----|--|---|---|
| 1. | Crop/Enterprise | - | Paddy |
| 2. | Title of on farm trial | - | Management of Stem borer of paddy |
| 3. | Problem diagnosed | - | Low yield of paddy due to heavy infestation of stem borer insect |
| 4. | Farming situation | - | Irrigated |
| 5. | Thematic Area | - | IPM |
| 6. | Farmers' Practices | - | Spray of quinolphos @ 1.0l/ha |
| 7. | Details of technologies selected for assessment/refinement | - | T ₁ Farmers Practices (Spray of quinolphos @ 1.0 l/ha)
T ₂ Cartap hydrochloride 4G @ 20 kg/ha
T ₃ Chlorantraniliprole (Coragen) 18.5 SC@ 1 ml/3L water |
| 8. | Source of technology | - | IARI, New Delhi |
| 9. | No. of farmers | - | 05 |
| 10. | Critical input | - | Insecticides |
| 11. | Performance indicators | - | |
| | (i) Technical | - | (i) Population of insect /plant
(ii) No. of infected plant / sq m
(ii) Yield |

- (ii) Economic - Cost benefit ratio
- (iii) Social - Farmer perception

OFT- 10. :

Resource Conservation

- | | |
|---|---|
| 1. Crop/Enterprise | - Paddy |
| 2. Title of on farm trial | - Assessment of the paddy drum seeder in paddy seed sowing |
| 3. Problem diagnosed | - Loss of time and money for preparation of nursery and transplanting of paddy. |
| 4. Farming situation | - Irrigated |
| 5. Production system and thematic area | - Paddy-wheat Resource conservation |
| 6. Farmers' Practices | - Planting of tomato in flat beds |
| 7. Details of technologies selected for assessment/refinement | - T ₁ Farmers practices (Preparation of nursery and transplanting of paddy)
T ₂ Use of paddy drum seeder |
| 8. Source of technology | - CIAE Bhopal |
| 9. No. of farmers | - 10 |
| 10. Critical input | - Availability of the Paddy drum seeder |
| 11. Performance indicators | - |
| (i) Technical | - (i) Yield
(ii) Time saving
(iii) Money saving |
| (ii) Economic | - Cost of cultivation and net returns |
| (iii) Social | - Acceptance |

OFT- 11.

Mechanization

- | | |
|---|---|
| 1. Crop/Enterprise | Paddy-Wheat |
| 2. Title of on-farm trial | In-situ crop residue management |
| 3. Problem diagnosed | Burning of crop residue |
| 4. Farming situation | Irrigated |
| 5. Production system and thematic area | Crop residue management |
| 6. Farmers' Practices | Burning of crop residue |
| 7. Details of technologies selected for assessment/refinement | T ₁ - Farmers practices: burning
T ₂ . MB Plough: Incorporation of residue |
| 8. No. of farmers | 05 |
| 9. Source of technology | PAU, Ludhiana |
| 10. Critical input | implements |
| 11. Performance indicators | (i) Percent residue incorporation |
| (i) Technical | (ii) C:B ratio |
| (ii) Economic | (iii) Acceptability of importance of MB plough for In-situ crop residue management. |

OFT-12 : Nutritional Security

Crop/Enterprise	-	Millets (Zaid 2023)
Title of on farm trial	-	Prevention of Malnutrition in Children through millets
Problem diagnosed	-	Malnutrition among children and lack of awareness about millets.
Farmers' Practices	-	No Use of millets
Technologies selected for assessment	-	T ₁ Farmers Practices (No Use of millets) T ₂ Use Multigrain Millets Dalia and laddu.
Source of technology	-	MPUAT, Udaipur
No. of farmers	-	05
Critical input	-	Multigrain Millets Dalia and laddu.
Performance indicators		
(i) Technical	-	Height, Weight and BMI
(ii) Economic	-	Cost benefit ratio
(iii) Social	-	Perception

OFT-13 : Safe Grain Storage

1. Crop/Enterprise	:	Wheat
2. Title of on farm trial	:	Assessment of traditional methods for food grain storage
3. Problem Diagnosed	:	Grain losses during storage
4. Farming Situation	:	-
5. Production System and Thematic Area	:	Storage Technique
6. Farmers Practices	:	Use of Bakhari or Jut Bag
7. Details of technologies selected for assessment /refinement	:	T ₁ - Use of Neem leaves in G. bins T ₂ - Use of Mustard Cake in G. bins T ₃ Use of Onion Stokes in G. bins
8. Source of technology	:	ITK
9. Number of Farmer's	:	10
10. Critical Input	:	Mustard cake
11. Performance Indicator	:	

- i. Technical : 🚩 Insect population
🚩 % of grain damage
- ii. Economic Cost Benefit Ratio
- iii. Social Acceptability of technology.

- Economic
 - 1 – Cost of cultivation (Rs./Unit)
 - 2 - Net income (Rs/Unit)
 - 3 - C:B ratio
- Social
 - 1-Acceptability
 - 2 -Farmer reaction

OFT – 14 :

Dairy Management

- 1 Crop/Enterprise Buffalo
- 2 Title of on-farm trials Effect of dewormer and proper feeding of colostrums in newly born calves.
- 3 Problem diagnosed Mortality of Buffalo calves due to endo-parasites and improper feeding of colostrums.
- 4 Farming situation -
- 5 Production system and thematic area Dairy management and Dairy production
- 6 Details of technologies selected for assessment / refinement
- Treatment
 - T₁: Farmers Practice (No use of demormer and improper feeding of colostrums)
 - T₂: Albendazole @ 1.0 ml per Kg. body weight given in 4 dose at the time 5, 25, 60 and 90 days and proper feeding of colostrums.
- 7 Source of technology IVRI, Izzatnagar
- 8 No. of Farmers 10
- 9 Critical input Albendazole
- 10 Performance Indicators
 - Technical No. of cure animal
 - Economic
 - ❖ Additional cost,
 - ❖ Additional profit
 - Social
 - ❖ C:B ratio
 - Feedback and farmer's reaction

OFT – 15 :

Dairy Management

- 1 Crop/Enterprise Buffalo
- 2 Title of on-farm trials Effect of feeding of feeding of mineral mixture and dewormer to regulate normal fertility.
- 3 Problem diagnosed Pre-anoestrus in buffalo heifers due to micro nutrient deficiency and endo parasite infestation.
- 4 Farming situation -

5	Production system and thematic area	Dairy management and Dairy production
6	Details of technologies selected for assessment / refinement	
	Treatment	T ₁ : Farmers Practice (No use of demormer and improper feeding of colostrums) T ₂ : Mineral mixture (50 gm/head/day for 120 days) and dewormer (1st and 60 days) Librazole kit.
7	Source of technology	Librazole kit
8	No. of Farmers	05
9	Critical input	IVRI, Izzatnagar
10	Performance Indicators	
	Technical	No. of percieved animal
	Economic	❖ Additioal cost, ❖ Additional profit ❖ C:B ratio
	Social	Feedback and farmer's reaction

3.2 Frontline Demonstrations

A. Details of FLDs

Oil Seeds 2022

Sl. No.	Crop	Thematic area	Technology for demo.	Critical inputs	Season and year	Area (ha)	No. of farmers/ demo.	Parameters identified
1.	Mustard (ODOP)	ICM	RH-749 / RH 725/ Pitambari/ NRCHB-101 / DRMRIJ-31	Seed + sulphur and Imizathipar @ 2.5 lt/ha	Rabi 2023	50	125	Yield & Net Profit

Pulses 2022

S. No.	Crop	Thematic area	Technology for demo.	Critical inputs	Season and year	Area (ha)	No. of farmers/ demo.	Parameters identified
1.	Pigeonpea	ICM	Improved variety NA 2, Use of sulphur	Seed, Rh+ PSB culture, Sulphur @ 30 kg/ha and Imizathipar @ 2.5 lt/ha	Kharif 2023	20	50	Yield, net return C:B ratio
2.	Summer Moong	ICM	IPM 2-3/ IPM 2-14/ Virat/ Shweta	Seed, Rh+ PSB culture, Sulphur @ 30 kg/ha and Imizathypar @ 2.5 lt/ha	Zaid 2023	20	50	Yield, net return C:B ratio

Other than oil seed & pulses 2022

Sl. No.	Crop	Thematic area	Technology for demo.	Critical inputs	Season and year	Area (ha)	No. of farmers/ demo.	Parameters identified
1.	Maize	ICM	DKC 9107	Seed + Biofertilizer	Zaid 2023	05	15	Yield, net return
2.	Maize	IPM	Management of Stem borer	Insecticide	Zaid 2023	5	25	Yield, net return B:C ratio
3.	Bottle gourd	ICM	Cytozyme (growth regulator)	Chemical	Zaid 2023	5	25	Yield & Net Return
4.	Pumpkin	INM +IPM	nutrient and disease management	micronutrient biopesticide	Zaid 2023	5	25	Yield & Net Return
5.	Watermelon	Varietal Evaluation	Madhuri/ Augusta	Seed	Zaid 2023	5	25	Yield & Net Return
6.	Paddy	IPM	Cartap hydrochloride 50 SP @ 1.5 g/l	Insecticide	Kharif 2023	5	25	Yield, net return B:C ratio
7.	Scented Paddy	ICM	HYV + Biofertilizer	Seed + Bio Fertilizer, Pusa Sugandh- 4 / 1509	Kharif 2023	5	25	Yield & Net Return
8.	Groundnut	IPM	Mgt. of termite & white grub	<i>Bifenthrin @ 1.0 lt/ha</i>	Kharif 2023	05	25	Yield, net return B:C ratio
9.	Hybrid Bajra	ICM	Bayer 9450, Pioneer 86M88	Seed + Biofertilizer	Kharif 2023	5	20	Yield, net return B:C ratio
10	Wheat (Timely sown)	ICM	K 607/ HD 2967/ K1006	Seed + Biofertilizer	Rabi 2023	10	40	Yield, net return B:C ratio
11	Wheat (Late	ICM	Golden halna/ Unnat	Seed + Biofertilizer	Rabi 2023	5	20	Yield, net

	sown)		halna/ PBW 590					return B:C ratio
12	Wheat	IWM	Weed management	Weedicide	Rabi 2023	5	15	Yield, net return B:C ratio
13	Berseem	Fodder management	Seed	Seed	Rabi 2023	1	10	Yield, net return B:C ratio
14	Cauliflower	INM	Micronutrient management	Multi-nutrient (Zn, B, Ca, Mg) @ 25kg/ha	Rabi 2023	5	25	Yield & Net Return
15	Chilli	Varietal evaluation	Improved hybrid variety	Seed	Rabi 2023	5	25	Yield & Net Return
16	Tomato	Varietal evaluation	Improved/hybrid variety	Seed	Rabi 2023	5	25	Yield & Net Return
17	Brinjal	IPM	Fruit and shoot borer management	biopesticide	Rabi 2023	5	10	Yield & Net Return
18	Tomato	INM	Use of Boron	Borax	Rabi 2023	5	25	Yield & Net Return
19	Potato	ICM	Management of potato cracking	Boron @ 18 kg/ha	Rabi 2023	20	100	Yield & Net Return
20	Wheat	IDM	Seed treatment	Carboxin + Thiram	Rabi 2023	5	25	Yield, net return B:C ratio
21	Garlic	IDM	disease management	Soil and seed treatment with <i>T. viridi</i> @ 5kg/ha and carbendazim	Rabi 2023	5	25	Yield, net return B:C ratio
22	Potato	IDM	Management of Soil & Seed born diseases	Seed treatment with fungicide @ 500g and soil tr. with <i>T. viride</i> @ 5.0 kg/ ha)	Rabi 2023	20	100	Yield, net return B:C ratio

B. Extension and Training activities under FLDs

S.No.	Activity	No. of activities	Month	Number of participants
1	Field days	20	All around year	450
2	Farmers Training	20	All around year	400
3	Media coverage	35	All around year	-
4	Training for extension functionaries	08	All around year	100

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	crop	Season & year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated	
							Demon.	Local check
Rotavator	Wheat	Rabi 2023	30	15	Availability of Implement	Saving of time and money	Yield	Yield
Seed Drill	Wheat	Rabi 2023	10	20	Availability of Implement	Saving of time and money	Yield	Yield

(ii) Demonstration of live stock production & management

S. No.	Activity	Objective	Adopted technology	Type of animals	Breed	No. of animals	Critical input
1.	Vaccination of HS	Protection of animals against HS	Vaccination of animals against HS	Cow and buffalo	Different	171	HS vaccine
2.	Vaccination of FMD	Protection of animals against FMD	Vaccination of animals against FMD	Cow and buffalo	Different	120	FMD vaccine
3.	Feeding of mineral mixture	Enhancement of mild yield & reproductive health	Provide mineral mixture in feed	Cow and buffalo	Different	25	Mineral mixture

(iii) Home science**F.L.D. on Women Empowerment**

Crop/ variety	Thematic area	Technology For demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers	Parameters identified yield/profit/other technological parameters
Nutritional garden	Malnutrition in women and children in villages	Balance meal through nutritional gardening round the year	Seed/ Seedling saplings, Vermi compost and Neem cake	2023	25X10 M.	5	Use of vegetables need/ day cost of vegetables hemoglobin test
Maize Sheller	Drudgery reduction & skill up gradaticm	Use of Maize sheller	Maize sheller	Kharif 2023	2.5	20	Shelling/hour man, days saving/ha

(ii) Other Enterprises

S. No.	Enterprises	Thematic Area	No. of Demo	Season & Year	Area/ Quantity	Critical Input	Performance Indicator
1	Mushroom cultivation	Nutritional Security and Income Gen.	30	Rabi 2023	30 kg	Spawn, Poly bags,Formald ehyde, Carbendazim	❖ Yield ❖ Cost benefit ratio
2.	Vermi compost	Soil health improvement	05	-	Worms		
3.	NADEP		10	-	Constructi on	Construction	

D. Issues Related to Doubling Farmers' Income:

(i) Increasing the farm level production

crop	Technology	Critical Input	Area and season	Remark
Enhancing irrigation efficiency				
Maize	Ridge planting	POL for ridge making	4 ha (Rabi, 2022 and Zaid, 2022)	1. Conservation of soil and rain water during rainy season. Both are not only precious but can't be replenished. Our existence is based on these two. Can't be measure in terms of money. 2. Minimizing production cost by reducing water use about 20 % in zaid. 3. Enhancing production (7-10%) by reducing incidences of weeds and improving plant growth.
Tomato	Polythene Mulching	Polythene for Mulching	1 ha.	1. Minimizing production cost by reducing water about 40-50%. 2. Enhancing production (20-25%) by minimizing incidences of weeds and fruit rotting and improving plant growth and fruiting.

Efficient use of inputs

crop	Technology	Critical Input	Area (ha) and season	Remark
Nutrient management				
Potato Mustard	IPNM -Fertilizer use on soil test basis INM	Organic fertilizer + foliar application of SOP Use of Bentonite sulphur @ 40kg/ha or use of SSP	2 ha (Rabi, 2023) 25 ha. (Rabi 2023)	1. Reduction in production cost due to reduced doses of K fertilizers especially Potash for 30-35%. 2. Improved quality of tubers due to balance fertilization 3. Higher market prices by about Rs 60-80 /q.Reduction in cost of production and inhance productivity and inhance in oil content
Basmati, Paddy	INM Use of CSR Bio Liquid @ 3Ltr. Per ha.	CSR Bio	10 ha.	1. Minimizing production cost 2. Enhancing production (20-25%) production per unit area
Summer Groundnut	INM	Use of Micorhiza @ 10 Kg/ha. and use of Boron 2g/ltr of water	2 ha (Rabi, 2023)	1. Minimizing production cost by reducing water about 18-25%. 2. Enhancing production (20-25%) and minimizing chemical fertilizer.
Use of organic source of nutrients				
Summer Moong	Use of Foliar NPK 18:18:18	Awareness programmes	500 ha (Kharif, 2023 and Zaid 2023)	1. Enriching soil properties. 2. Conservation of soil and water 3. Improving nutrient status of soil 4. Improving productivity of succeeding crops
Dhaincha	Green Manuring	Awareness programmes	5,000 ha (Kharif, 2023)	1. Enriching soil properties. 2. Conservation of soil and water 3. Improving nutrient status and productivity of succeeding crops
Pulses	Bio-fertilizers	Rhyzobium, Azotobactor , PSB & Halo Zinc	50 ha (Kharif, 2022)	1. Improving soil health 2. Improving productivity of crops

Crop Diversification

Rice-wheat cropping system	Rice-winter miaze- summer moong	Seeds of improved varieties	2 ha (Rabi Miaze, 2021-22)	1. Higher Income 2. Conservation of soil and water 3. Enriching soil properties
Kharif Onion	Varietal Evaluation	Training and awareness	10 ha (Kharif, 2022)	1. Promoting onion in kharif 2. Getting high remuneration 3. Substituting maize in kharif
Capsicum	Varietal Evaluation	Training and awareness	5 ha	1. Introducing as new crop 2. Getting high returns 3. Doubling income
Vegetable pea	Varietal Evaluation	Training and awareness	200 ha	1. Ensuring high income in short period of 100-110 days 2. Reducing risk from low market prices and diseases of potato
Banana	G-9	Training and awareness	5 ha	1. Increasing manifold income 2. Employment generation

Other activities

Bee Keeping	Rearing techniques	Training and awareness programmes	5 Units	Income generation
Poultry	Backyard poultry	Breed Aseel/ Kadaknath	25 units	Income generation
Goatery	Improved breed and feed Mgt.	Training and awareness programmes	10 Units	Income generation
Vermi compost	Production Technology	Worms	05 Units	1. Income generation 2. Soil health improvement 3. Cleanliness of village

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

A) ON Campus

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
(A) Farmers & Farm Women									
I Crop Production									
Integrated Crop Management	5	73	20	93	23	14	37	130	
Nursery Management	1	14	0	14	6	0	6	20	
Post Harvest Technology	1	15	5	20	3	2	5	25	
Weed Management	1	15	5	20	3	2	5	25	
Total	8	117	30	147	35	18	53	200	
II Horticulture									
a) Vegetable Crops									
Production of low volume and high value crops	2	26	4	30	8	2	10	40	
Off-season vegetables	1	13	2	15	4	1	5	20	
Nursery raising	1	13	2	15	4	1	5	20	
Total (a)	4	52	8	60	16	4	20	80	
b) Medicinal and Aromatic Plants									
Nursery Management	1	13	2	15	4	1	5	20	
Total (b)	1	13	2	15	4	1	5	20	
Total (Horticulture)	5	65	10	75	20	5	25	100	
III Livestock Production and Management									
Disease Management	3	39	6	45	12	3	15	60	
Feed management	2	26	4	30	8	2	10	40	
TOTAL	5	65	10	75	20	5	25	100	
IV Home Science/Women empowerment									
Household food security by kitchen gardening and nutrition gardening	1	-	15	15	-	5	5	20	
Value addition	3	-	45	45	-	15	15	60	
Income generation activities for empowerment of rural Women	1	-	15	15	-	5	5	20	
Total	5	-	75	75	-	25	25	100	
V Plant Protection									
Integrated Pest Management	1	13	2	15	4	1	5	20	
Integrated Disease Management	2	26	4	30	8	2	10	40	
Bio control of pests and diseases	1	13	2	15	4	1	5	20	

Mushroom Production	1	13	2	15	4	1	5	20
Total	5	65	10	75	20	5	25	100
VI Agricultural Engineering								
Mechanism of Seed drill	1	15	-	15	5	-	5	20
Service and maintenance of the rotavator	1	15	-	15	5	-	5	20
Benefits of the sprinkler irrigation system	1	15	-	15	5	-	5	20
Total	3	45	-	45	15	-	5	60
VII Caapacity Building								
Leadership development	01	10	05	15	03	02	05	20
Group dynamics	01	12	3	15	03	02	05	20
Formation and Management of SHGs	02	20	10	30	06	04	10	40
Total	4	42	18	60	12	8	20	80
Grand Total (PF/FW)	35	399	153	552	122	66	178	740
(B) RURAL YOUTH								
Nursery Management of Horticulture crops	1	10	-	10	5	-	5	15
Organic input production	1	10	-	10	5	-	5	15
Sheep and goat rearing	1	10	-	10	5	-	5	15
Seed Production	3	30	0	15	15	0	45	60
Bee-keeping	01	02	06	08	-	02	02	10
Vermi-culture Production	01	15	-	15	05	-	05	20
TOTAL (RY)	8	77	6	68	35	2	67	135
(C) Extension Personnel								
Productivity enhancement in field crops	3	64	7	71	14	5	19	90
Organic farming	1	30	2	32	8	0	8	40
Integrated Pest Management	1	15	-	15	5	-	5	20
Integrated Disease Management	1	15	-	15	5	-	5	20
Bio-control of pests and diseases	1	15	-	15	5	-	5	20
Management in farm animals	2	30		30	10	-	10	40
Livestock feed and fodder production	1	15	-	15	5	-	5	20
Group Dynamics and farmers organization	02	40	-	40	10	-	10	50
Total (EF)	12	224	9	233	62	5	67	300
GRAND TOTAL (PF + RY + EF)	55	700	168	853	219	73	312	1175

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
(A) Farmers & Farm Women									
I Crop Production									
Integrated Crop Management	4	70	6	76	23	6	29	105	
Integrated Nutrient Management	2	33	1	34	10	1	11	45	
Integrated Water Management	1	13	1	14	5	1	6	20	
Post harvest	1	10	10	20	3	2	5	25	
Integrated Weed Management	1	15	5	20	3	2	5	25	
TOTAL	9	141	23	164	44	12	56	220	
II Horticulture									
a) Vegetable Crops									
Production of low volume and high value crops	3	52	8	60	16	4	20	80	
Nursery raising	1	13	2	15	4	1	5	20	
Total (a)	4	65	10	75	20	5	25	100	
b) Tuber crops									
Production and Management technology	2	26	4	30	8	2	10	40	
Processing and value addition	1	13	2	15	4	1	5	20	
Total (b)	3	39	6	45	12	3	15	60	
c) Medicinal and Aromatic Plants									
Production and management technology	2	26	4	30	8	2	10	40	
Total (c)	2	26	4	30	8	2	10	40	
Total Horticulture	9	130	20	150	40	10	50	200	
III Livestock Production and Management									
Dairy Management	2	26	4	30	8	2	10	40	
Disease Management	4	52	8	60	16	4	20	80	
Feed management	3	52	8	60	16	4	20	80	
TOTAL	9	130	20	150	40	10	50	200	
IV Home Science/Women empowerment									
Household food security by kitchen gardening and nutrition gardening	1	-	15	15	-	5	5	20	
Design and development of low/minimum cost diet	1	-	15	15	-	5	5	20	
Designing and development for high nutrient efficiency diet	1	-	15	15	-	5	5	20	
Storage loss minimization techniques	1	-	15	15	-	5	5	20	
Value addition	4	-	75	75	-	25	25	100	
Income generation activities for empowerment of rural Women	1	-	15	15	-	5	5	20	
Location specific drudgery reduction technologies	1	-	15	15	-	5	5	20	
Women and child care	1	-	15	15	-	5	5	20	

TOTAL	11	-	180	180	-	60	60	240
V Plant Protection								
Integrated Pest Management	6	104	16	120	32	8	40	160
Integrated Disease Management	3	26	4	30	8	2	10	40
TOTAL	9	130	20	150	40	10	50	200
VI Agricultural Engineering								
Mechanism of Seed drill	1	15	-	15	5	-	5	20
Service and maintenance of the rotavator	1	15	-	15	5	-	5	20
Benefits of the sprinkler irrigation system	1	15	-	15	5	-	5	20
Total	3	45	-	45	15	-	5	60
VII Caapacity Building								
Leadership development	01	10	05	15	03	02	05	20
Group dynamics	01	12	3	15	03	02	05	20
Formation and Management of SHGs	02	20	10	30	06	04	10	40
Total	4	42	18	60	12	8	20	80
Rural Youth								
Nursery Management of Horticulture crops	1	10	-	10	5	-	5	15
TOTAL (RY)	1	10	-	10	5	-	5	15
(C) Extension Personnel								
Household food security	1	0	15	15	0	5	5	20
Women and Child care	2	0	30	30	0	10	10	40
Low cost and nutrient efficient diet designing	1	0	15	15	0	5	5	20
TOTAL (EF)	4	0	60	60	0	20	20	80
Grand Total (Farmers)	59	628	341	969	196	130	316	1295

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Integrated Crop Management	9	143	26	169	46	20	66	235
Integrated Weed Management	2	29	5	34	9	2	11	45
Post harvest technolgy	2	25	15	40	6	4	10	50
Nursary technique	1	15	5	20	3	2	5	25
Integrated Nutrient Management	2	33	1	34	10	1	11	45
Integrated Water Management	1	13	1	14	5	1	6	20
TOTAL	17	258	53	311	79	30	109	420

II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	5	78	12	90	24	6	30	120
Nursery raising	2	26	4	30	8	2	10	40
Off-season vegetables	1	13	2	15	4	1	5	20
Total (a)	9	117	18	135	36	9	45	180
b) Tuber crops								
Production and Management technology	2	26	4	30	8	2	10	40
Processing and value addition	1	13	2	15	4	1	5	20
Total (b)	3	39	6	45	12	3	15	60
c) Medicinal and Aromatic Plants								
Production and management technology	2	26	4	30	8	2	10	40
Nursery Management	1	13	2	15	4	1	5	20
Total (c)	3	39	6	45	12	3	15	60
Total Horticulture	15	195	30	225	60	15	75	300
III Livestock Production and Management								
Disease Management	6	91	14	105	28	7	35	140
Feed management	6	78	12	90	24	6	30	120
Dairy Management	2	26	4	30	8	2	10	40
TOTAL	14	195	30	225	60	15	75	300
IV Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	-	30	30	-	10	10	40
Design and development of low/minimum cost diet	1	-	15	15	-	5	5	20
Designing and development for high nutrient efficiency diet	1	-	15	15	-	5	5	20
Storage loss minimization techniques	1	-	15	15	-	5	5	20
Value addition	7	-	120	120	-	40	40	160
Income generation activities for empowerment of rural Women	2	-	30	30	-	10	10	40
Location specific drudgery reduction technologies	1	-	15	15	-	5	5	20
Women and child care	1	-	15	15	-	5	5	20
TOTAL	16	-	255	255	-	85	85	340
V Plant Protection								
Integrated Pest Management	7	117	18	135	36	9	45	180
Integrated Disease Management	4	52	8	160	16	4	20	180
Bio control of pests and diseases	1	13	2	15	4	1	5	20
Mushroom Production	1	13	2	15	4	1	5	20
TOTAL	13	195	30	225	60	15	75	300

VI Agricultural Engineering								
Mechanism of Seed drill	2	15	-	15	5	-	5	20
Service and maintenance of the rotavator	2	15	-	15	5	-	5	20
Benefits of the sprinkler irrigation system	2	15	-	15	5	-	5	20
Total	6	45	-	45	15	-	5	60
VII Caapacity Building								
Leadership development	02	10	05	15	03	02	05	20
Group dynamics	02	12	3	15	03	02	05	20
Formation and Management of SHGs	02	20	10	30	06	04	10	40
Total	6	42	18	60	12	8	20	80
Total (PF&FW)	90	930	416	1346	286	168	444	1800
(B) RURAL YOUTH								
Nursery Management of Horticulture crops	2	10	-	10	5	-	5	15
Organic input production	1	10	-	10	5	-	5	15
Sheep and goat rearing	1	10	-	10	5	-	5	15
Seed Production	3	30	0	15	15	0	45	60
Bee-keeping	01	02	06	08	-	02	02	10
Vermi-culture Production	01	15	-	15	05	-	05	20
TOTAL	9	77	6	68	35	2	67	135
(C) Extension Personnel								
Household food security	1		15	15		5	5	20
Women and Child care	2	-	30	30	-	10	10	40
Low cost and nutrient efficient diet designing	1		15	15		5	5	20
Organic farming	1	30	2	32	8	0	8	40
Production Technology	3	64	7	71	14	5	19	90
Management in farm animals	2	30		30	10	-	10	40
Livestock feed and fodder production	1	15	-	15	5	-	5	20
Integrated Disease Management	1	15	-	15	5	-	5	20
Bio-control of pests and diseases	1	15	-	15	5	-	5	20
Management in farm animals	2	30		30	10	-	10	40
TOTAL	15	199	69	268	57	25	82	350
GRAND TOTAL (PF + RY + EF)	114	1328	509	1822	415	203	628	2470

Details of training programmes

i) Farmers & Farm women

Date	PF/FW	Title of the training programme	Duration in days	Venue	Number of participants			Number of SC/ST			G.T.
					M	F	Total	M	F	Total	
ON CAMPUS											
Agronomy											
Feb.	PF/FW	Cultivation of summer mungbean	1	On	11	2	13	5	2	7	20
March	PF/FW	Sowing techniques of Summer Maize	1	On	14	3	17	2	1	3	20
April	PF/FW	Post harvest procurement of Rabi crops	1	On	15	5	20	3	2	5	25
May	PF/FW	Nursery raising techniques of paddy	1	On	15	5	20	3	2	5	25
June	PF/FW	Cultivation of hybrid bajra	1	On	15	3	18	5	2	7	25
July	PF/FW	Cultivation and planting technique of paddy	1	On	10	5	15	5	5	10	25
Oct.	PF/FW	Cultivation of potato	1	On	11	4	15	3	2	5	20
Nov.	PF/FW	Integrated weed management in wheat	1	On	14	0	14	6	0	6	20
Dec.	PF/FW	Cultivation techniques of late sown wheat	1	On	12	3	15	3	2	5	20
Horticulture											
April	PF/FW	Nursery management of cauliflower	1	On	13	2	15	4	1	5	20
May	PF/FW	Cultivation of cucurbits in <i>kharif</i>	1	On	13	2	15	4	1	5	20
Sept	PF/FW	Cultivation of hybrid tomato in <i>rabi</i>	1	On	13	2	15	4	1	5	20
Oct.	PF/FW	Nursery management of <i>marigold</i>	1	On	13	2	15	4	1	5	20
Dec	PF/FW	Cultivation techniques of off-season vegetables	1	On	13	2	15	4	1	5	20
Animal Science											
Jan	PF/FW	Causes and effect of mastitis disease and its control	1	On	13	2	15	4	1	5	20
March	PF/FW	Green fodder production in summer season	1	On	13	2	15	4	1	5	20
May	PF/FW	Vaccination in Cattle	1	On	13	2	15	4	1	5	20
Oct	PF/FW	Preparation of balance ration for dairy animals	1	On	13	2	15	4	1	5	20
Dec	PF/FW	Care and management of foot and mouth disease in cattle	1	On	13	2	15	4	1	5	20
Agricultural Engineering											
Jan.	PF/FW	Use of Handhoe for Interculture Operation	1	On	10	5	15	5	5	10	25
Feb.	PF/FW	Use of Potato Digger in Potato Digging	2	On	14	2	16	5	4	9	25
Mar.	PF/FW	Use of Reaper in Wheat harvesting	1	On	15	3	18	5	2	7	25
April	PF/FW	Use of Tractor operated Mould board Plough in field reparation	1	On	15	5	20	3	2	5	25
May	PF/FW	Use of Tractor operated Sub Soiler in deep ploughing	1	On	15	3	18	5	2	7	25
Jun	PF/FW	Stay of water in farmer field by cross	1	On	10	5	15	5	5	10	25

		ploughing									
July	PF/FW	Increase of water level in well, tube well by rainy water	1	On	14	2	16	5	4	9	25
Aug	PF/FW	Preparation of vegetable nursery for kitchen purpose	1	On	15	5	20	3	2	5	25
Sep	PF/FW	Harvesting of paddy by combine harvester	1	On	15	3	18	5	2	7	25
Oct	PF/FW	Use of rotavator for field preparation	1	On	15	5	20	3	2	5	25
Nov.	PF/FW	Use Seed drill in wheat sowing	1	On	10	5	15	5	5	10	25
Dec.	PF/FW	Use of Sprinkler irrigation system for irrigation of crops	1	On	10	5	15	5	5	10	25
Home science											
Jan	PFW	Preparation of different type of	1	On	-	15	15	-	5	5	20
Feb.	PFW	Nutritional Deficiencies	1	On	-	15	15	-	5	5	20
Mar	PFW	Preparation of different types Pickle, Jam, Jally	1	On	-	15	15	-	5	5	20
April	PFW	Drudgery reduction in farm women	1	On	-	15	15	-	5	5	20
May	PFW	Scientific method of grain storage	1	On	-	15	15	-	5	5	20
June	PFW	Formation and Management of SHG	1	On	-	15	15	-	5	5	20
July	PFW	Craft work(Rakhi Making)	1	On	-	15	15	-	5	5	20
Aug	PFW	High Nutrition diet to Pragnent women	1	On	-	15	15	-	5	5	20
Sep	PFW	Importance of green leafy vegetable in diet	1	On	-	15	15	-	5	5	20
Oct.	PFW	Lay out & Management of Nutritional Kitchen garden	1	On	-	15	15	-	5	5	20
Nov.	PFW	Techniques to minimize Nutrient loss during cooking	1	On	-	15	15	-	5	5	20
Dec.	PFW	Importance of improved women health by using Fortified wheat flour	1	On	-	15	15	-	5	5	20
Plant protection											
Jun	PF/FW	Seed treatment of <i>kharif</i> crops	1	On	13	2	15	4	1	5	20
July	PF/FW	Management of insect and pest in paddy and maize	1	On	13	2	15	4	1	5	20
Sep	PF/FW	Use of bio-pesticides in potato	1	On	13	2	15	4	1	5	20
Oct.	PF/FW	Disease and insect mgt in potato	1	On	13	2	15	4	1	5	20
Nov	PF/FW	Mushroom Production Technology	1	On	13	2	15	4	1	5	20
Agriculture Extension											
Jan		Leadership development	01	On	10	05	15	03	02	05	20
April		Group dynamics	01	On	12	3	15	03	02	05	20
July		Formation and Management of SHGs	02	On	20	10	30	06	04	10	40

OFF CAMPUS											
Date	Clientele	Title of the training programme	Duration in days	Venue	Number of participants			Number of SC/ST			G.T.
Agronomy											
Feb	PF/FW	Latest innovations in cultivation of groundnut	1	Off	12	2	14	5	1	6	20
Mar	PF/FW	Moisture scheduling in summer pulses	1	Off	13	1	14	5	1	6	20
April	PF/FW	Post harvest procurement of wheat	1	Off	10	10	20	3	2	5	25
June	PF/FW	Weed management procedures of kharif pulses	1	Off	15	5	20	3	2	5	25
July	PF/FW	Raised bed land technique of bajra	1	Off	20	0	20	5	0	5	25
July	PF/FW	Nutrient scheduling of hybrid paddy	1	Off	20	0	20	5	0	5	25
Aug	PF/FW	Intercultural operations in kharif crops	1	Off	12	2	14	4	2	6	20
Sep	PF/FW	Role of micronutrients in production of rapeseed and mustard	1	Off	13	1	14	5	1	6	20
Oct	PF/FW	Production of wheat crop	1	Off	12	2	14	5	1	6	20
Dec	PF/FW	Timely management practices of wheat	1	Off	14	0	14	4	2	6	20
Horticulture											
Jan.	PF/FW	Cultivation technique of summer tomato	1	Off	13	2	15	4	1	5	20
Feb	PF/FW	Cultivation of cucurbits	1	Off	13	2	15	4	1	5	20
April	PF/FW	Nursery management of kharif onion	1	Off	13	2	15	4	1	5	20
July	PF/FW	Nursery management of papaya	1	Off	13	2	15	4	1	5	20
Aug.	PF/FW	Planting technique of Marigold	1	Off	13	2	15	4	1	5	20
Sep.	PF/FW	Production technology of vegetable pea	1	Off	13	2	15	4	1	5	20
Sep.	PF/FW	Production technology of potato	1	Off	13	2	15	4	1	5	20
Oct.	PF/FW	Production technology of garlic	1	Off	13	2	15	4	1	5	20
Nov.	PF/FW	Fertilizer management of marigold	1	Off	13	2	15	4	1	5	20
Dec	PF/FW	Cultivation technique of potato + cucurbits	1	Off	13	2	15	4	1	5	20
Animal science											
Jan	PF/FW	Common disease in dairy animals and its control	1	Off	13	2	15	4	1	5	20
Feb	PF/FW	Care and feeding management of newly born calves	1	Off	13	2	15	4	1	5	20
April	PF/FW	Balance ration for milch animals	1	Off	13	2	15	4	1	5	20
May	PF/FW	Importance of vaccination in animals	1	Off	13	2	15	4	1	5	20
June	PF/FW	Endo and ecto parasite in animals and its control	1	Off	13	2	15	4	1	5	20
June	PF/FW	Endo and ecto parasite in animals and its control	1	Off	13	2	15	4	1	5	20
July	PF/FW	Clean milk production	1	Off	13	2	15	4	1	5	20
Aug	PF/FW	Sterility problem in dairy animals and its control	1	Off	13	2	15	4	1	5	20
Sep	PF/FW	Low quality roughages treatment by urea	1	Off	13	2	15	4	1	5	20
Oct	FW/PF	Green fodder cultivation in winter	1	On	19	-	19	4	-	4	23
Nov	PF/FW	Preventive measures against disease in livestock.	1	Off	13	2	15	4	1	5	20
Dec	FW/PF	Management of newly born calves	1	Off	24	-	24	6	-	6	30

Plant Protection											
Jan	PF/FW	IPM in cucurbits	1	Off	13	2	15	4	1	5	20
Feb.	PF/FW	IPM in summer mugbean	1	Off	13	2	15	4	1	5	20
April	PF/FW	Safe storage of food grain	1	Off	13	2	15	4	1	5	20
May	PF/FW	Management of insect pest and diseases in groundnut	1	Off	13	2	15	4	1	5	20
June	PF/FW	Management of insect pest and diseases in pigeonpea	1	Off	13	2	15	4	1	5	20
July	PF/FW	Disease management in <i>kharif</i> onion	1	Off	13	2	15	4	1	5	20
Aug	PF/FW	Management of insect and diseases through seed and soil treatment in gladiolus	1	Off	13	2	15	4	1	5	20
Sep	PF/FW	Disease and insect management in rabi vegetables	1	Off	13	2	15	4	1	5	20
Oct	PF/FW	Disease management in potato	1	Off	13	2	15	4	1	5	20
Dec.	PF/FW	Disease and insect management in wheat	1	Off	13	2	15	4	1	5	20
Home Science											
Jan.	PF/FW	Importance of green leafy vegetables in diet	1	Off	-	15	15	-	5	5	20
Feb.	PF/FW	Different types of Papad making	1	Off	-	15	15	-	5	5	20
Mar.	PF/FW	Storage of vegetable after Harvesting	1	Off	-	15	15	-	5	5	20
April	PF/FW	Methods of Drudgery reduction by using improved Sickle	1	Off	-	15	15	-	5	5	20
May	PF/FW	Safe grain storage technique	1	Off	-	15	15	-	5	5	20
June	PF/FW	Prevention of loss of nutrients during cutting and cooking of vegetables	1	Off	-	15	15	-	5	5	20
July	PF/FW	Rural - Craft work	1	Off	-	15	15	-	5	5	20
Aug.	PF/FW	Drudgery reduction operation for maize seller	1	Off	-	15	15	-	5	5	20
Sept.	PF/FW	Importance of Balanced and high Nutrient diet for adolescent girls	1	Off	-	15	15	-	5	5	20
Oct.	PF/FW	House hold food security by kitchen gardening and nutritional gardening	1	Off	-	15	15	-	5	5	20
Nov.	PF/FW	Women & Child care	1	Off	-	15	15	-	5	5	20
Dec.	PF/FW	Value addition in fruits and vegetable	1	Off	-	15	15	-	5	5	20
Agricultural Engineering											
Jan	PF/FW	Use of Sprinkler irrigation system	1	Off	16	2	18	5	2	7	25
Feb.	PF/FW	How to use Potato digger in potato digging	1	Off	15	5	20	4	1	5	25
Mar.	PF/FW	How to grade potato by potato grader	2	Off	20	-	20	5	-	5	25
April	PF/FW	Harvesting of wheat by combine harvester	1	Off	15	5	20	3	2	5	25
May	PF/FW	Harvesting of wheat by reaper	1	Off	15	5	20	3	2	5	25
June	PF/FW	Use of sub soiler for deep ploughing before rainfall	1	Off	20	-	20	5	-	5	25
July	PF/FW	Use of paddy drum seeder for direct sowing of paddy seed	1	Off	15	5	20	3	2	5	25
Sep.	PF/FW	Use of flood irrigation system in paddy crop	1	Off	20	-	20	5	-	5	25

Oct	PF/FW	Use of drip irrigation system	1	Off	15	5	20	4	1	5	25
Nov	PF/FW	Use of rotavator for field preparation	1	Off	15	5	20	4	1	5	25
Dec	PF/FW	Maintenance of the Tractor	1	Off	15	5	20	4	1	5	25
Agriculture Extension											
Oct	PF/FW	Leadership development	1	Off	10	5	15	3	2	5	20
Nov	PF/FW	Group dynamics	1	Off	12	3	15	3	2	5	20
Dec	PF/FW	Formation and Management of SHGs	3	Off	32	13	45	9	6	15	60

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	days	No. of Participants						G. T.
				Others			SC/ST participants			
				M	F	Total	M	F	Total	
Fruit plants	Nursery management	Nursery management of fruit, vegetables and forest trees	7	10	-	10	5	-	5	15
Soap	Employment	Soap Making	7	-	10	10	-	5	15	15
Candle	Employment	Candle Making	7	-	10	10	-	5	15	15
Organic input	Vermiculture	Preparation of vermin compost	7	10	-	10	5	-	5	15
Poultry birds	Poultry farming	Poultry farming for meat and egg production	7	10	-	10	5	-	5	15
Pulses	Seed production	Seed production of summer pulses	7	10	-	10	5	-	5	15
Cereal	Seed production	Seed production technique of wheat	7	10	-	10	5	-	5	15
Pulses	Seed production	Seed production technique of Gram	7	10	-	10	5	-	5	15
Ag Implement	Agricultural Engeneering	Repair and maintenance of Agricultural implements	7	10	-	10	5	-	5	15
	Total									

iii) Training programme for extension functionaries

Date	Title of the training programme	Duration in days	Venue	Number of participants			Number of SC/ST			G.T.
				M	F	Total	M	F	Total	
Agronomy										
April	Recent advances in production techniques of summer pulses	1	Off	30	2	32	8	0	8	40
June	Cultivation techniques of kharif crops	1	On	29	2	31	9	0	9	40

Sep	Importance of organic inputs in production of rabi oilseeds and pulses	1	Off	27	2	29	8	3	11	40
Oct.	Modern tools for cultivation of rabi cereal crops	1	Off	22	0	22	3	0	3	25
Horticulture										
May	Cultivation techniques of kharif vegetables	1	On	15	-	15	5	-	5	20
Sep	Cultivation techniques of potato	1	On	15	-	15	5	-	5	20
Dec	Production of off-season vegetables	1	On	15	-	15	5	-	5	20
Home Science										
Feb.	Medicinal value of honey	1	Off	-	15	15	-	5	5	20
July	Core of Pregnant & Lactative Women	1	Off	-	15	15	-	5	5	20
Animal Science										
June	Buffaloes calf rearing for commercial purpose	1	On	15	-	15	5	-	5	20
Sep	Cattle feed making technique.	1	On	15	-	15	5	-	5	20
Dec	Causes of infertility in buffaloes and its control.	1	On	15	-	15	5	-	5	20
Plant Protection										
Feb	Management of insect pest and disease in summer crops	1	On	15	-	15	5	-	5	20
June	Integrated Pest Management in kharif crops	1	On	15	-	15	5	-	5	20
Sep	Bio pesticide application for plant protection	1	On	15	-	15	5	-	5	20
Agriculture Extension										
Feb	Production of oil seed crops in zaid	1	On	15	-	15	5	-	5	20
June	Fertilizer management in kharif crops	1	On	15	-	15	5	-	5	20
Oct	Scientific cultivation of rabi pulses	1	On	15	-	15	5	-	5	20
Agricultural Engineering										
Feb	Mechanism of Seed drill	1	On	15	-	15	5	-	5	20
Jun	Service and maintenance of the rotavator	1	On	15	-	15	5	-	5	20
Sep	Benefits of the sprinkler irrigation system	1	On	15	-	15	5	-	5	20
	Total	21		333	36	339	103	13	116	455

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	20	900	100	1000	15	-	15	915	100	1015
Kisan Mela	01	500	250	750	05	-	05	505	250	755
Kisan Ghosthi	10	500	50	550	05	-	05	505	50	555
Exhibition	02	450	15	465	-	-	-	450	15	465
Group meetings	05	100	10	110	-	-	-	100	10	110
Lectures delivered as resource persons	70	3500	500	4000	200	10	210	3700	510	4210
Newspaper coverage	50	-	-	-	-	-	-	-	-	-
TV /Radio Talks	30	-	-	-	-	-	-	-	-	-
Popular articles	6	-	-	-	-	-	-	-	-	-
Extension Literature	5	2000	500	2500	100	-	100	2100	500	2600
Advisory Services	-	1000	100	1100	20	-	20	1020	100	1120
Scientific visit to farmers field	100	500	50	550	-	-	-	500	50	550
Farmers visit to KVK	-	700	100	800	100	-	100	800	100	900
Diagnostic visits	20	100	10	110	-	-	-	100	10	110
Exposure visits	02	110	-	110	-	-	-	110	-	110
Animal Health Camp	02	200	20	220	5	-	5	205	20	225
Soil test campaign	02	150	-	150	2	-	2	152	-	152
Total	325	10710	1705	12415	352	10	362	11162	1715	12578

3.5 Target for Production and supply of Technological products:

Seed Materials:

Sl. No.		Crop	Variety	Quantity (qtl.)
1	Oilseed	Mustard	RH749	50
		Chikpea	RVG 202	150
			Total (q)	200

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
SPICES	Chilli	Azad Mirch 2	2000
SPICES	Onion	ADR	25000
VEGETABLES	Tomato	Hybrid	2000
VEGETABLES	Brinjal	Azad brinjal 2	1000

3.6. Literature to be Developed/Published

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

(B) Literature to be developed/published

Item	Number of copies
Research papers	06
Technical reports	8
News letters	2
Technical bulletins	11
Popular articles	06
Extension literature	5000
Others (Pl. specify)	
TOTAL	5033

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

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

- Identification of courses for farmers/farm women
- Rural Youth
- Inservice personnel

3.9 Indicate the methodology for identifying OFTs/FLDs

3.10 Field activities

- i. Name of villages identified for adoption with block name- 28 villages with 6 blocks
- ii. No. of farm families selected per village - 20
- iii. No. of survey/PRA to be conducted - 04

3. Targets of samples for analysis :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	5000	4500	28	-
Water Samples	-	-	-	-
Total		4500	28	

4.0 LINKAGES

4.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1. State Department of Agriculture	1. Training, demonstration in ATMA programme 2. Scientist farmers interaction. 3. Participation in kharif, rabi and summer crop seminar, goshtli / workshop and field day etc. 4. Conducting in service and mitra krishak training programmes 5. Sponsored training programmes for practicing farmer and extension functionaries. 6. Coordinating seed production programme at farmers field
2. State Department of Horticulture	1. Demonstration on vegetables and flowers 2. Training programmes for practicing farmers and extension functionaries for National Horticulture Mission 3. Establishment of orchard
3. State Department of Animal Husbandry	1. Veterinary, infertility camps and vaccination camp.

4. State Department of Soil Conservation	1. Scientist farmers interaction. 2. Training programmes for practicing farmers and extension functionaries
5. IFFCO	1. Participation in crop seminars and kisan gosthies 2. Participation in training programmes organized by extension functionaries
6. IWMP	Training, demonstration, evaluation & monitoring of IWMP project

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

S. No.	Programme	Nature of linkage
1.	Farmers-scientist interaction	Training
2.	Farmer to farmer technology dissemination at demonstration plot	Frontline demonstration
3.	Validation trial	Demonstration
4.	Farm School	Demonstration & monitoring of Farm school

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1.	Training	As a resource person
2.	Establishment of small nurseries for the horticulture crops	Technical guidance
3.	Rejuvenation of old and senile orchards.	Technical guidance and As a resource person
4.	Promotion of organic farming	Technical guidance and As a resource person
5.	Technology dissemination through demonstration/ FLD of latest technology.	Technical guidance and As a resource person
6.	Post harvest management	As a resource person

4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1.	Training	As a resource person

5. Utilization of hostel facilities

S. No.	Programme	No. of days
1		
2		
3		
4		
5		
	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 (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	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 :

ANNUAL ACTION PLAN

KVK MAINPURI

(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
Krishi Vigyan Kendra , Dewani Road , Mainpuri Pin -205001	Office 05672-235500	FAX	mainpurikvk@yahoo.com	

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

Address	Telephone		E mail	Website
	Office	FAX		
C.S. Azad University of Agriculture & Technology, Kanpur –208002	0512- 2534155		info@csauk.ac.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 : No





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

Name	Telephone / Contact		
Dr. Sushil kumar		9758991541	mainpurikvk2018@gmail.com , mainpurikvk@yahoo.com

1.4. Year of sanction: 2004

1.5. Staff Position

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Sr.Scientist /Head	Dr. Sushil Kumar	Sr. Scientist	Extension	(131400-217100, L-13A)	9000	60600	09/09/2008	Permanent	SC	9758991541	suanshul@gmail.com	
2	Subject Matter Specialist	Dr. R.N. Singh	Scientist	Soil Science	(79800-211500, L-12)	8000	36720	11/04/2008	Permanent	GEN.			
3	Subject Matter Specialist	Dr. Devendra Swaroop	Scientist	Animal Science	(79800-211500, L-12)	7000	38200	07/08/2008	Permanent	GEN.			
4	Subject Matter Specialist	Dr. V.R. Choudhary	Scientist	Horticulture	(79800-211500, L-12)	6000	35340	20/09/2008	Permanent	SC	9415153408	vikasranjan06@gmail.com	
5	Subject Matter Specialist	Dr. Binod Kumar	Scientist	Agronomy	(79800-211500, L-12)	8000	35590	11/04/2008	-	SC			
6	Subject Matter Specialist	Er. Bhopendra Chauhan	Scientist	Agril. Engg.	(79800-211500, L-12)	7000	33730	29/11/2004	Permanent	Gen			
7	Subject Matter Specialist	Dr. Akansha Chaudhary	Scientist	Home science	(79800-211500, L-12)	8000	33620	11/04/2008	Permanent	SC	918765468886		
8	Programm	Vacant	Prog.	-	Rs.9300-	-	-	-	--	-	-	-	-

	e Assistant		Asstt. Soil testing		34800								
9	Computer Programmer	Vacant	Prog. Asstt. Computer (Attached)	-	Rs.9300-34800 Rs.	-	-	-	--	-	-	-	-
10	Farm Manager	Vacant	Farm Manager	-	Rs.9300-34800	-	-	-	--	-	-	-	-
11	Accountant /Superintendent	Vacant	Accountant /Superintendent	-	Rs.29200-92300	-	-	-	--	-	-	-	-
12	Stenographer Grad-III	Sri Y.P.Singh	Stenographer	-	(35400-112400, L-6)	2800		6.12.2007	-	SC			
13	Driver	Sri Yogendraveer Singh	Jeep Driver	-	(35400-112400, L-5)	2400				GEN.			
14	Driver	Vacant	Tractor Driver	-	(35400-112400, L-5)	-	-	-	--	-	-	-	-
15	Supporting Staff	Sri Ashok Kumar	Attd.	-	(19900--63200 L-2)	1800	26400	02/08/2008	Permanent	SC			
16	Supporting Staff	Shri Raju	Attd.	-	(19900--63200 L-1)	1800	23500	19/05/2011	Permanent	GEN			

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	2.8
2.	Under Demonstration Units	0.6
3.	Under Crops	6.0
4.	Horticulture	0.6
5.	Pond	
6.	Others if any	
		10.00

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building			550		2010		Incomplete
2.	Farmers Hostel			300				Completed
3.	Staff Quarters (6)			400		2010		Incomplete
4.	Demonstration Units (2)			80		2010		Incomplete
5	Fencing							Incomplete
6	Rain Water harvesting system							Incomplete
7	Threshing floor							Incomplete
8	Farm godown							Incomplete
	Other							
9								
10					6777000.00			

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	2003			Condemned
Tractor	2002	264643	-	Auction able
Motor Cycle	2010	49997	35644	Running
Motor Cycle	2012	59988	18252	Running

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Television	2003	15300.00	Working
VCD Player	2003	4900.00	Non working
Digital Camera	2011	19990.00	Working
LCD Projector	2012	69347.00	Working
Laptop	2012	49900.00	Non working
Photocopy machine	2012	49235.00	Non working

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

Sl.No.	Date
1. Scientific Advisory Committee	

2. DETAILS OF DISTRICT**2.1 Major farming systems/enterprises (based on the analysis made by the KVK)**

S. No	Farming system/enterprise
1	Agriculture + Animal Husbandry (100%)
2	Agriculture + Animal Husbandry (90%), Agriculture + Animal Husbandry + Horticulture (10%)
3	Agriculture + Animal Husbandry (75%), Agriculture + Animal Husbandry + Horticulture (25%)

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)**a) Soil type**

Sl. No.	Agro-climatic Zone	Characteristics
1	South-West Semi-arid Zone IV	Semi-arid, with maximum temperature 45.6°C and minimum 7.4°C, Rainfall 620-750 mm, Alluvial soil originated from Ganges and its tributaries. Textural classes varies from Sandy-loam to Silty –clay-loam
2	AES-I	Loam and Sandy loam Soil with ph less than 8.0
3	AES-II	Sandy Loam and Saline Soil with pH more than 8.5, Irrigated through Borewells
4	AES-III	Sandy-loam soil with pH 8-9, with very low water table

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Sandy	-	85341.00 (31%)
2	Sandy loam	-	156083.00 (57%)
3	Others	-	31659.00 (12%)

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

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Paddy	89318	233920	25.07
2	Bazra	14879	28558	19.23
3	Maize	56329	1222771	23.75
4	G.Nut	209	1510	7.35
5	Wheat	143712	481663	33.52
6	Barley	2415	7372	30.52
7	Gram	954	12470	9.99
8	Field pea	1313	38620	12.03
9	Mustard/ Toria	9683	107240	16.47
10	Potato	16402	3221844	196.43
11	Summer Groundnut	36000	941400	26.15
12	Moong	2899	2499	8.62
13	Urd	1300	1166	8.97
14	Onion	350	8750	225.00

Source: District agriculture department.

2.5. Weather data (2022)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January 2022	26.80				
February 2022	1.00				
March 2022	45.06				
April 2022	6.06				
May 2022	65.86				
June 2022	28.13				
July 2022	145.91				
August 2022	108.15				
September 2022					
October 2022					
November 2022					
December 2022					

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

Category	Population	Production	Productivity
Cattle			
	76312		
	5066		
Buffalo	2,82,430		
Sheep	4077		
Goats	196866		
Pigs	19496		
<i>Crossbred</i>			
<i>Indigenous</i>			
Rabbits			
Poultry			
Hens	63426		
<i>Desi</i>			
Category		Production (Q.)	Productivity
Fish (Reservoir)			

*Statcal 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 area
1	Mainpuri Bhogaon	MainpuriJagir ,Bewar Sultanganj	Mirzapur,	Mustard	<ul style="list-style-type: none"> ▪ Use of local varieties and impure seed materials ▪ No seed treatments ▪ Broadcast sowing ▪ Imbalance fertilizer use ▪ No use of biofertilizer and biopesticides ▪ Local and indigenous breeds. ▪ Imbalance feeding to 	<p>Introduction of high yielding varieties of cereals, pulses and vegetables</p> <p>seed treatment</p> <p>Line sowing</p> <p>Judicious and balanced fertilizer application weed management in garlic and groundnut</p> <p>Raising of high yielding cross breed animals</p> <p>Promoting awareness for use of bio fertilizer and bio pesticides.</p> <p>IPM, IDM for pest & diseases management</p> <p>Nutritional gardening</p> <p>Awareness about health towomen</p>
Bhashuar			Paddy, Bajara,			
Bhadura, Pal, Ahirava Shahra			Pulses			
Barepur Barahar, Nagla Takan			Wheat, Mustard, Summer G. Nut, Vegetable			
Ajitganj			Garlic, vegetables, Potato			
Bhupatpur			Keeping of Buffaloes and Goats, Wheat, Mustard Paddy			
Nagla Jhala						
Uaipur						
Rajpura			Paddy Bajara Mustard Wheat Pea			
Hariharpur						

2.8 Priority thrust areas

S. No.	Thrust area
1.	Use of high yielding and hybrid varieties of cereals, oilseeds, pulses vegetables & flowers.
2.	Soil test based fertilizer application
3.	Organic manure production and green manuring
4.	Growing of crops on the basis of crop rotation
5.	Seed treatment and inoculation
6.	Integrated weed management
7.	Popularisation of sulphur application in garlic / oilseeds/ pulses crop
8.	Motivation of farmers for diversified farming
9.	Promoting IPM, IDM and IPNM in crop production
10.	Upgrading local breeds of live stock.
11.	Create awareness for vaccination, use of mineral mixture and green fodder production
12.	Value addition of fruits and vegetables.
13.	Popularisation of technology for Sodic land reclamation

3.

TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

OFT (1)		FLD (2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
12	60	195.2	595

Training (3)		Extension Activities (4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
180	449	3175	24226

Seed Production (Qtl.) (5)	Planting material Production (Nos.) (6)	Fish seed prod. (Nos.) (7)	Soil Samples analyzed (Nos.) (8)	Development of Soil Health Cards (Nos.) (9)
0	24000		100	100

Quality seed distributed (q) (10)	No. of saplings distributed (Nos.) (11)	No. of fingerlings distributed (Nos.) (12)	No. of livestock & poultry strains distributed (Nos.) (13)
50 qt	24000		

3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1.	Low production and less return	Groundnut, maize, scented paddy and garlic	No use of IPNM, low yield due to imbalance use of nutrients	Assessment and response of INM in Groundnut, maize, scented paddy and garlic	Demonstration on application of sulphur	INM in summer GN, ICM in potato and garlic, production technology of maize, Nadep and wormi compost production technique, use of sulphur and boran in potato	Integrated crop management of rice and wheat in sodic soil .	Gosthies & media coverage	Sulphur, boron, zinc, bio agents
2.	Low production of vegetables, pulses, oilseeds and other field crops due to no use of proper bio-agents and plant protection chemicals for crop protection	Groundnut, mustard, moong, paddy, garlic and seasmum, field pea, cow pea	Seed and soil borne diseases Heavy infection of weed . No use of sulphur	To assess the effective fungicide for disease management in Potato .	Demonstration on application of sulphur and seed treatment . Demonstration on improved variety	Soil and seed treatment IPM in vegetable, paddy, groundnut, seasmum, moongbean , chickpea and mustard IDM in potato, vegetables, pulses, garlic	Soil fertility and IPNM. Integrated pest management	Gosthies, print media, literature, field day, field visit and diagnostic visit	Bio-agents, neem oil, chemicals seed of seasmum, field pea, cow pea
3.	High cost of cultivation, & low quality due to poor nutrient management and disease infestation	Potato	Low yield of potato due to ineffective control of common scab.	Assessment of fungicides for management of common scab in potato	Demonstration on IDM & INM	Production technology of potato	-	Gosthies and literature	Zinc, sulphur

4.	Low production & high cost of cultivation	Paddy	Traditional method	Effect of seedling age and spacing on rice yield under south western semi arid zone with SRI method .	-	Integrated crop management	-	Field day, Gosthies	Seed
5.	Low productivity of milch animals	Buffaloes	Repeat breeding and abortion	-	FLD on green fodder production of barseem and oat	Application of mineral mixture and feeding of green fodder	-	Training, Gosthies and animal Camp	Ayurvedic medicine and mineral mixture
6.	Awareness for vaccination	Cattle	H.S.	-	Animal vaccination to prevent HS	Prevention of animals from contagious disease during Rains	-	Training, Gosthies and animal Camp	H.S. vaccine
7.	Poor nutrient management and seed expansion of Summer G.Nut	G.Nut	INM on groundnut	Varietal	Area expansion through Suitable variety	Seed production technology of Summer G.Nut	-	Training, Gosthies and leaflets	Seed of TG-37A& DH ₈₆ and sulphur
8.	Imbalance diet & value addition	-	Loss of fruit & vegetables	-	Value added products of potato & garlic	-	-	Training, Gosthies	Present method
9.	Low yield and high input	Paddy	Imbalance use of fertilizers without Bio-fertilizer	IPNM in Paddy corps	-	Integrated nutrient management in Kharif crops	-	Training Gosthies	BGA FYM
10.	Seed Treatment	All Crops	Seed and soil borne disease	-	-	Seed treatment of Kharif and Rabi Crops	-	Training Gosthies and print media	-
11.	Safe grain storage	All crops	Infestation of pests in grain storage	Evaluation of eco-friendly techniques for safe grain storage	-	Safe grain storage	-	-	Parad Ayurvedic Tablet, camphor

3.1 Technologies to be assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	2	1	-	-	1	-	-	-	-	4
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	1	1	-	-	-	-	-	-	-	2
Integrated Nutrient Management	1	-	-	-	1	-	-	-	-	2
Cropping system	1	-	-	-	2	-	-	-	-	3
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	1	-	-	-	-	-	1
Weed management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	1	-	-	-	-	-	-	-	-	1
TOTAL	6	2	-	1	4	-	-	-	-	13

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	2	1	-	-	2	-	-	-	-	5
Integrated Nutrient Management	3	1	-	-	1	-	-	-	-	5
Cropping system	1	-	-	-	-	-	-	-	-	1
Value addition	1	-	-	-	-	-	-	-	-	1
Integrated Disease Management	-	-	-	-	-	-	-	-	1	1
TOTAL	7	2	-	-	3	-	-	-	1	13

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

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Disease Management	Buffalo	Assessment of “dry animal therapy” to control mastitis in buffaloes.	1	10
Total			1	10

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

B. Details of On Farm Trial

OFT-1

Particulars	Contents
Title	Response of Potash on yield of Groundnut
Problem diagnosed	Low yield due to imbalance use of nutrients
Micro farming situation	Irrigated , Zaid
Details of technology identified for solution	T ₁ Farmer practice (N:P:K 18:46:00kg/ha and No use of micronutrient) .
	T ₂ N:P:K (18:46:00kg/ha+ 2 Spray of 3% solution of Potassium Sulphate (K-50%, S18-%) I st spray at 45 DAS and II nd spray at 60 DAS
No. of farmers	5
Replications/ location	5
Critical inputs	Water Soluble Potassium Sulphate
Production system	Maize-Potato-Groundnut
Source of technology	C.S.A.U.A&T, KANPUR

Total Cost	Rs. 3000.00
Observation to be recorded	No of pod per plant, Av. Pod weight per plant ,. Production yield q/ ha.
	C.B. Ratio, Net return (Rs. /ha)
Reaction of the farmers	Acceptability

OFT-2

Particulars	Contents
Title	Balance use of fertilizers in Garlic crop
Problem diagnosed	Imbalance use of fertilizers cause poor yield and keeping quality.
Micro farming situation	Irrigated , <i>Rabi</i>
Details of technology identified for solution	T₁Farmer practice (N:P:K 160:115:75, 12.5kg ZnSO ₄ , and 12 kg Sulphur/ha)
	T₂Recommended dose (N:P:K 80:75:75, 25kg ZnSO ₄ , and 20 kg Sulphur/ha)
No. of farmers	5
Replications	5
Critical inputs	Fertilizers as per treatment T ₂
Production system	Maize-Garlic-Moong
Source of technology	Tamilnadu Agricultuer University
Total Cost	Rs.5000.00
Observation to be recorded	yield q/ ha and keeping quality
	C.B. Ratio, Net return (Rs. /ha)
Reaction of the farmers	Acceptability

OFT- 3

Particulars	Contents
Title	Assessment of varieties of paddy in reclaimed sodic soil.
Problem diagnosed	Low yield of paddy due to no use of recommended varieties.
Micro farming situation	Irrigated , <i>kharif</i>
Details of technology identified for solution	T ₁ Farmer practice (Variety-CSR 46)

	T ₂ Improved variety CSR 36
	T ₃ Improved variety CSR 56
No. of farmers	5
Replications	5
Critical inputs	Seed as per treatment T ₂ & T ₃
Production system	Rice-wheat
Source of technology	CSAUA&T, Kanpur
Total Cost	Rs.2500.00
Observation to be recorded	No of effective tiller per plant, No. of ear per sqmt. , yield q/ ha
	C.B. Ratio, Net return (Rs. /ha)
Reaction of the farmers	Acceptability

OFT- 4

Particulars	Contents
Title	Crop diversification in existing rice –wheat cropping system.
Problem diagnosed	a) Dominance of rice-wheat cropping system in sodic soil. b) Low income due to adoption of existing rice-wheat cropping system in sodic soil.
Micro farming situation	Irrigated
Details of technology identified for solution	T ₁ Farmer practice (rice - wheat cropping system)
	T ₂ Rice - Garlic –Moong
	T ₃ Rice – Garlic- dhaincha .
No. of farmers	5
Replications	5
Critical inputs	Seed of wheat , moong and dhaincha .
Production system	Rice-wheat, crop diversification
Source of technology	C.S.S.R.I.,Karnal
Total Cost	Rs.2500.00
Observation to be recorded	Analysis of soil at pre sowing and post harvest of crop , Yield q/ ha.
	Net return Rs./ha /C.B. Ratio.
Reaction of the farmers	Acceptability.

OFT- 5

Particulars	Contents
Title	Assessment of IPM practices to control fruit fly in cucumber.
Problem diagnosed	Heavy use of insecticide to control fruit fly in cucumber.
Micro farming situation	Irrigated Zaid
Details of technology identified for solution	T ₁ Farmer practice (Use of Imidacloprid, Chlorpyrifos)

	T ₂ Use of Pheromones traps + Spray of Nimbecidene @5 ml/lit of water (4 Spray at interval of 10 days)
No. of farmers	5
Replications	5
Critical inputs	Pheromones traps + Nimbecidene
Production system	Maize-Potato-Cucumber
Source of technology	IIVR, Varanasi
Total Cost	Rs.2500.00
Observation to be recorded	No of effected fruit per plant. % infestation, Yield q/ ha.
	Net return Rs./ha /C.B. Ratio.
Reaction of the farmers	Acceptability.

OFT -6

Particulars	Contents
Title	Assessment of trichoderma harzianum for management of root rot (white rot)disease in garlic
Problem diagnosed	Low yield and poor quality of garlic due to heavy infestation of root rot problem.
Micro farming situation	<i>Irrigated ,Rabi , .</i>
Details of technology identified for solution	T ₁ Farmer practice (No Seed treatment)
	T ₂ Soil application of trichoderma harzianum @ 2.5 kg/ ha + seed treatment with trichoderma harzianum @ 10gm/kg seed+ one spray of trichoderma harzianum@3gm/lit water after 40-50 days
No. of farmers	5
Replications/Location	5
Critical inputs	Bio Fungicide as per treatment T ₂
Production system	Maize –Garlic-Moong/cucurbits
Source of technology	CSAUA&T, Kanpur
Total Cost	Rs.1500.00
Observation to be recorded	Number of affected plants for individual disease , yield q/ ha, B:C
	C.B. Ratio, Net return (Rs. /ha)
Reaction of the farmers	Acceptability

OFT -7

Particulars	Contents
Title	Assessment of effect on milk production by feeding hybrid Napier – Berseem with straw in buffaloes.
Problem diagnosed	Very less nutritive value and palatability of straw.
Details of technology identified for solution	T ₁ - Farmer's practice (10 kg wheat straw+ 2 kg concentrate mix+ 5 kg green fodder)
	T ₂ - 2 kg concentrate mix + 5 kg Berseem + 15 kg Napierwheat straw (with 4%

	solution of urea)
No. of farmers	10
Replications	10
Critical inputs	Hybrid Napier
Source of technology	IVRI
Total Cost	1000
Observation to be recorded	Per day milk production
	C.B. Ratio
Reaction of the farmers	Acceptability

OFT -8

Particulars	Contents
Title	Assessment of effect on milk let down and production by galactogogues along with deworming in cows.
Problem diagnosed	Poor milk let down and low production due to nutritional/ hormonal deficiency and heavy parasitic infestation in lactating cows.
Details of technology identified for solution	T ₁ Farmer's practice (No, satawar and deworming)
	T ₂ Use of leptaden 10 Tab per day and deworming with fenbendazole
	T ₃ Use of leptaden 10 Tab per day and satawar 50 gm per day along with deworming with fenbendazole
No. of farmers	5
Replications	5
Critical inputs	leptaden, satawar and fenbendazole bolus
Source of technology	IVRI
Total Cost	2500
Observation to be recorded	Per day milk production
	C.B. Ratio
Reaction of the farmers	Acceptability

OFT-9

Particulars	Contents
Title	Value added groundnut for preventing the protein , Iron malnutrition among children.
Problem diagnosed	Mal Nourished Children
Micro farming situation	Value Addition

Details of technology identified for solution	T ₁ No Consumption of Groundnut in daily diet.
	T ₂ Consumption of value added groundnuts (Til + Jaggery)
No. of Children	5
Critical inputs	Groundnut + Jaggery + Sesame seeds (50 g /day for 180 days)
Production system	Food Security
Source of technology	ICMR, New Delhi
Total Cost	Rs 2500.00
Observation to be recorded	Technical Anthropometric Measurements Digestibility BMI Acceptability of Technology

OFT- 10

Particulars	Contents
Title	Assesment of the effective supplementation of fortified wheat flour (K-317) for improvement of nutritional status of farm women.
Problem diagnosed	Low nutritional status and malnutrition of farm women
Micro farming situation	
Details of technology identified for solution	T ₁ : Farm women practice (Wheat flour)
	T ₂ : Fortified wheat flour (75%Wheat + 20%Gram + 5%Bajara)
No. of farm women	5
Critical inputs	Fortified wheat flour
Production system	
Source of technology	NIN Hyderabad
Total Cost	Rs.5000.00
Technical	1 – Height
	2 – weight
	3- BMI
	4- Perceived rate of extinction
	5- Hemoglobin level
Reaction of the farmers	Acceptability

OFT-11

1. Crop:- Garlic.

2. Topic:- Use of laser land leveller for levelling of farmers field for cultivation of garlic crop.

3. Problem:- Requirement of excess water for irrigation of garlic crop and less production.

4. Cropping system:- Maize-Garlic-moong system.

5. **Farmers practice**:-Irrigation of garlic field by electrically operated tube-well.
6. **Solution of probable problems**:- Use of laser land leveller for levelling of garlic cultivation field, saving money and increasing garlic production.
7. **Technical sources** :- Northern India testing and training institute,Hissar(Haryana).
8. **No. of farmers** :- 05
9. **Investment** :- Use of laser land leveller in farmers field.
10. **Economical Analysis** :- Cost of cultivation/hectare.

OFT-12

1. **Crop**:- wheat.
2. **Topic**:- Use of happy seeder for sowing of wheat crop.
3. **Problem** :- Lots of time,energy and money loss in field preparation and sowing of wheat crop.
4. **Cropping system**:- Paddy-wheat system.
5. **Farmers practice**:- Use of rotavator for field preparation and sowing of wheat seeds by seed-drill.
6. **Solution of probable problems**:- Due to the use of happy seeder field preparation,sowing of wheat seeds are done in one time.
7. **Technical sources** :- Northern India testing and training institute,Hissar(Haryana).
8. **No. of farmers** :- 05
9. **Investment** :- Use of happy seeder in farmers field.
10. **Economical Analysis** :- Cost of cultivation/hectare.

3.2 Frontline Demonstrations

A. Details of FLDs to be organized

Sl. No	Crop	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ Demonstration	Parameters Identified
C	Other than oilseeds & pulses							
	Maize	High yielding variety (Hybrid)	Hybrid variety DKC 9108+	Hybrid seed	Zaid , 2023	4.0	10	Yield (q/ha) C:B ratio
	Nutritional security	Food security	Availability of vegetable throughout year	Seed	Kharif,Rabi & Zaid 2023	-	30 unit	Yield (q/ha) C:B ratio
	Kitchen garden	Malnutrition in pre school children of rural areas	Assessment of effectiveness of nutritional practices for correcting malnutrition	100gm.Laddu/healthmix (prepared from Locally Available grains Wheat-70gm+Gram10gm+bajara5gm+Maize5gm+Soybean10gm)/ Day/Child for 90 Days	Rabi 2023	-	10	Children Height(m) Children Weight(kg) Children BodyMassIndex

								Children Disease occur frequently
Pearlmillet Bajara	High yielding variety (Hybrid)	Hybrid variety (Super kevari)	Hybrid seed	Kharif, 2023	4.00	10	Yield (q/ha) C:B ratio	
Groundnut	Food security	Groundnut jiggery for protein mal nutrition	Seed	Kharif, 2023	-	5	Yield (q/ha) C:B ratio	
Rice	Scented variety Hybrid variety	Pusa Sugandh-5 / Pusa -1121 Arise-6444	Seed	Kharif,2023	6.00 4.00	15 10	Production (q/ha) C:B ratio	
Rice	Crop residue Management	Decomposer	Decomposer	Kharif 2023	6.00	15	Production (q/ha) C:B ratio	
Wheat	High yielding variety	Improved variety K-9423	Seed	Rabi 2023	4.00	10	Yield (q/ha) C:B ratio	
Wheat	High yielding variety	Improved variety HD-2967	Seed	Rabi 2023	4.00	10	Yield (q/ha) C:B ratio	
Wheat	High yielding variety	Improved variety K-1317	Seed	Rabi 2023	7.6	19	Yield (q/ha) C:B ratio	
Wheat	High yielding variety	Improved variety K-1006	Seed	Rabi 2023	1.2	4	Yield (q/ha) C:B ratio	
Total					40.8	148		
HORTICULTURAL CROPS								
Cucumber	Varietal	Malini	Seed	Zaid 2023	1.00	10	Production q/ha C : B. ratio	
Colocasia	IDM	Seed treatment with trichoderma @ 10gm/kg seed and two spray of Mancojeb @ 2.00 kg / ha to control leaf spot	Fungicide	Zaid 2023	1.00	10	Production q/ha C : B. ratio Disease %	
Bitter guard	ICM	Machaan method	Seed & material	kharif 2023	0.05	5	Production q/ha C : B. ratio	
Onion	Varietal	Agrifound light red	Seed	Rabi 2023	0.60	10	Production q/ha C : B. ratio	
Capsicum	Varietal	California wonder/ Indra	Seed	kharif 2023	1.00	10	Production q/ha C : B. ratio	
Mushroom	Spon	Oyster	2 pkt Spawn /Farmer	Rabi 2023	1.0	10	Production q/ha C : B. ratio	
Potato	IDM	Soil treatment by	Trichoderma 5kg/ha	Rabi, 2023	4.0	10	Production	

			Trichoderma @2.5 kg/ha + seed treatment by Trichoderma @ 2-5 gm/ lt water					q/ha C : B. ratio Disease %
Potato	Foliar Application of nutrients		2 Spray of Mono Potassium Phosphate(0:52:34) @ 3 % solution at 45 DAS and 60 DAS	Potassium Phosphate (0:52:34)	Rabi 2023	4.0	10	Production q/ha C : B. ratio
Nursery	IDM		Soil treatment by Trichoderma @ 2-5gm /lt water & seed treatment with Trichoderma 8-10gm/kg seed to control damping off disease	Fungicide	Rabi 2023	0.10	10	Production q/ha C : B. ratio Disease %
Broccoli	Varietal		Pusa KTS-1	Seed	Rabi 2023	1.00	10	Production q/ha C : B. ratio
Garlic	IPM		Use of carbofuran 3g @ 10kg/ acre	Insecticide	Rabi 2023	2.00	5	Production q/ha C : B. ratio
Garlic	Micronutrient Management		Sulpur @25 kg / ha	Sulpur @25 kg / ha	Rabi 2023	2	5	Production q/ha C : B. ratio
Carrot	Varietal		Improved Variety Kashi arun	seed	Rabi 2023	0.5	5	Production q/ha C : B. ratio
					Total	19.4	110	
					Grand Total	60.2	258	

Action Plan for Cluster Frontline Demonstrations 2023

Details of CFLDs on Oil seeds to be organized

Sl. No	Crop	Thematic area	Season and year	Technology for demonstration	Critical inputs	Area (ha)	No. of farmers/ Demo.	Parameters Identified
1	Groundnut	ICM	Zaid, 2023	Rhizobium Culture+ Sulphur @ 30 kg/ha + Plant Protection Measures	R.C., , fungicide and Pesticides	20.00	50	Yield (q/ha) C:B ratio
2	Mustard	ICM	Rabi,2023	Improved variety RH-749/ Tapeshwari + Sulphur @ 30 kg/ha +Plant Protection Measures	Seed, Sulphur and Pesticides	45.00	112	Yield (q/ha) C:B ratio
Total						65.00	162	

Details of CFLDs on Pulses to be organized

Sl. No	Crop	Thematic area	Season and year	Technology for demonstration	Critical inputs	Area (ha)	No. of farmers/	Parameters Identified
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							Demo.	
1	Moong	ICM	Zaid,2023	Improved variety IPM 2-3 + Sulphur @ 30 kg/ha +Plant Protection Measures	Seed + R.C.+ Sulphur+ fungicide and Pesticides	50.00	125	Yield (q/ha) C:B ratio
2	Moong	ICM	Kharif,2023	Improved variety IPM 2-3 + Sulphur @ 30 kg/ha +Plant Protection Measures	Seed + R.C.+ Sulphur+ fungicide and Pesticides	20.00	50	Yield (q/ha) &C:B ratio
Total						70	175	

B. Extension and Training activities under CFLDs

S.No.	Activity	No. of activities	Time	Number of participants
1	Farmers Training	40	Before sowing	800
2	Field days	30	At pre maturity	900
3	Field visits	60	Time to time	250
4	Media coverage	20	During field visit	-
5	Training for extension functionaries	5	During Crop season	60

C. Details of FLD on Enterprises

Agril.Engg.

Front line demonstration

S. No.	Subject	Crop	Season	Farmers	Area (hectare)	Investment	Purpose
1.	Use of rotavator in field preparation	Wheat	Rabi	25	15	Available of rotavator	Saving of time and money
2.	Use of seed-drill in wheat sowing	Wheat	Rabi	25	15	Available of seed-drill	Saving of time and money
3.	Use of paddy drum seeder for sowing of paddy seeds	Paddy	Kharif	20	10	Available of paddy drum seeder	Saving of time and money

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals	Critical inputs	Performance parameters / Indicators
Application of endo parasitic medicine	Cattle and buffalo	25	50	Fenbendazole/ Albendazol	Health improvement

Feeding of mineral mixture	Cattle and buffalo	50	50	Mineral mixture powder	Improvement of milk production
Application of ecto parasitic medicine	Cattle and buffalo	25	50	Deltamethrin/ Flumethrin	Heath improvement

iii) Mushroom production

Enterprise	Variety/ breed/ Species/ others	No. of farmers	No. of Demons	Critical inputs	Performance parameters / indicators	Data on parameter in relation to technology demonstrated	
						Demon.	Local check
Mushroom	Oyster	10	10	Spawn	C:B Ratio	-	-

iv) Nutritional gardening

Enterprise	Variety/ breed/ Species/others	No. of farmers	No. of Demon	Critical inputs	Performance parameters / Indicators	Data on parameter in relation to technology demonstrated	
						Demon.	Local check
Nutritional gardening	Seeds and sapling	30	30	Seed and seedling	C:B Ratio	-	-
Value Addition	Mal Nutrition	10	10	Value added Laddu / health mix	Height, weight, BMI, disease accurance if any	-	-

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	2	32		32	8		8	40
Resource Conservation Technologies	1	12	4	16	4		4	20
Crop Diversification	1	12	4	16	4		4	20
Water management	1	12	4	16	4		4	20
Seed production	2	32		32	8		8	40
Integrated Crop Management	3	48		48	12		12	60
Production of organic inputs	1	16		16	4		4	20
II Horticulture								

a) Vegetable Crops								
Production of low volume and high value crops	1	16		16	4		4	20
Off-season vegetables								
Nursery raising	1	10	6	16	2	2	4	20
Protective cultivation (Green Houses, Shade Net etc.)	1	10	6	16	2	2	4	20
Total								
b) Fruits								
Layout and Management of Orchards	1	10	6	16	2	2	4	20
Management of young plants/orchards	1	10	6	16	2	2	4	20
c) Ornamental Plants								
Nursery Management	1	10	6	16	2	2	4	20
d) Plantation crops								
Production and Management technology	1	16		16	4		4	20
f) Spices								
Production and Management technology	1	10	6	16	2	2	4	20
III Soil Health and Fertility Management								
Soil fertility management	2	32		32	8		8	40
Soil and Water Conservation	1	16		16	4		4	20
Integrated Nutrient Management	2	32		32	8		8	40
Production and use of organic inputs	1	16		16	4		4	20
Micro nutrient deficiency in crops	2	32		32	8		8	40
Nutrient Use Efficiency	1	16		16	4		4	20
IV Livestock Production and Management								
Dairy Management	3	48		48	12		12	60
Poultry Management								
Feed management	4	64		64	16		16	80
V Home Science/Women empowerment								
Management of nutrition kitchen Garden	2		25			30		55
High nutrients diet for adolescent girl	1		15			7		22
Value addition of fruits and vegetables	2		45			20		60
Importance and use of proteins	1		5			20		25
Safe grain storage	1		11			9		20
Value Addition of groundnut	2		35			30		60
Value addition of garlic	1		20			5		25
Location specific drudgery reduction technologies	1		16	16		4	4	20
Rural Crafts	3		48	48		12	12	60

Women and child care	1		16	16		4	4	20
VI Agril. Engineering								
Use of potato digger technique in potato digging	1		16	16		4	4	20
Use of reaper in wheat harvesting	1		16	16		4	4	20
Use of tractor operated M.B.plough	1		16	16		4	4	20
Use of tractor operated sub-soiler for deep ploughing	1		16	16		4	4	20
Water holding technique in farmers field	1		16	16		4	4	20
Improve the water level of well and tube-well by rainy water	1		16	16		4	4	20
Use of low poly-tunnel for nursery preparation	1		16	16		4	4	20
Paddy harvesting by combine machine	1		16	16		4	4	20
Use of rotavator in field preparation	1		16	16		4	4	20
Use of seed-drill in wheat sowing	1		16	16		4	4	20
Use of sprinkler irrigation system for irrigation	1		16	16		4	4	20
Interculture of farmers field by hand hoe	1		16	16		4	4	20
VII Plant Protection								
Integrated Pest Management	1	16		16	4		4	20
Integrated Disease Management	1	16		16	4		4	20
Bio-control of pests and diseases	1	16		16	4		4	20
VIII Fisheries								
Fish processing and value addition	1	12	4	16	4		4	20
IX Production of Inputs at site								
Vermi-compost production	1		4	16				
X Capacity Building and Group Dynamics								
Formation and Management of SHGs	2		4	32				
Entrepreneurial development of farmers/youths	2		4	32				
TOTAL	70		508	960	136	205		1367
(B) RURAL YOUTH								
Mushroom Production	1			8				19
Bee-keeping	1			8				19
Integrated farming								
Seed production	3			24				57
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	1			8				19
Training and pruning of orchards								
Value addition	2			16				38

Production of quality animal products								
Dairying	1		4	16				37
Sheep and goat rearing	1		4	16				37
Quail farming	1		4	16				37
Small scale processing	1		4	16				37
Post Harvest Technology	1		4	16				37
TOTAL	13		20	144				337
(C) Extension Personnel								
Productivity enhancement in field crops	5			100				230
Integrated Pest Management	2			40				92
Integrated Nutrient management	2			40				92
Rejuvenation of old orchards	1			20				46
Care and maintenance of farm machinery and implements	1		4	16				37
Livestock feed and fodder production	1		4	16				37
Household food security	1		4	16				37
Women and Child care	1		20	20				51
Soil test based fertilizer recommendation	1		4	16				37
Production and use of organic inputs	1		4	16				37
Any other (Pl. Specify) Fruit preservation	1		20	20				51
TOTAL	17		60	320				747
G. Total	99	0	572	1408	136	201	0	2431

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	12	4	16	4		4	20
Cropping Systems	3	42	6	48	9	3	12	60
Seed production	5	80		80	20		20	100
Nursery management								
Integrated Crop Management	1	12	4	16	4		4	20
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	3	48		48		12	12	60
Off-season vegetables	1	10	6	16	2	2	4	20
Nursery raising	1	10	6	16	2	2	4	20
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning	1	12	4	16	4		4	20

Layout and Management of Orchards	1	12	4	16	4		4	20
Cultivation of Fruit	1	12	4	16	4		4	20
Management of young plants/orchards	1	12	4	16	4		4	20
Rejuvenation of old orchards	1	12	4	16	4		4	20
Export potential fruits	1	12	4	16	4		4	20
Micro irrigation systems of orchards	1	12	4	16	4		4	20
Plant propagation techniques	1	12	4	16	4		4	20
c) Ornamental Plants								
Propagation techniques of Ornamental Plants	1	16		16	4		4	20
f) Spices								
Production and Management technology	1	10	6	16	2	2	4	20
Processing and value addition	1	12	4	16	4		4	20
g) Medicinal and Aromatic Plants								
Post harvest technology and value addition	1	16		16	4		4	20
III Soil Health and Fertility Management								
Soil fertility management	1	16		16	4		4	20
Soil and Water Conservation								
Integrated Nutrient Management	1	12	4	16	4		4	20
Production and use of organic inputs	2	32		32	8		8	40
Management of Problematic soils								
Micro nutrient deficiency in crops	2	32		32	8		8	40
Nutrient Use Efficiency	1	16		16	4		4	20
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management	2	32		32	8		8	40
Disease Management	3	48		48	12		12	60
Feed management	2	32		32	8		8	40
V Home Science/Women empowerment								
Management of kitchen garden	2		45			15	8	60
Safe grain storage	1		10			15		25
Importance and use of protein	1		15			10	4	25
Fruits & vegetables preservation	2		35			25		60
Value addition of groundnut	2		30			35	4	65
Balanced diet for women and children	1		15			10	4	25

Food fortifications of bajra, makka and groundnut								65
	2		40			25	8	
Value addition of garlic								25
	2		10			15	8	
Nutritional efficient diet for farm women								25
	1		15			10	4	
Rural Crafts								
	1		10			10	4	20
Women and child care								
	1		10			10	4	20
VI Agril. Engineering	1	16			4		4	20
Use of sprinkler irrigation system for irrigation	1	16			4		4	20
Use of potato digger technique for potato digging	1	16			4		4	20
Use of potato grading technique	1	16			4		4	20
Wheat harvesting technique by combine machine	1	16			4		4	20
Wheat harvesting technique by reaper	1	16			4		4	20
Deep ploughing of farmers field by sub-soiler before rain	1	16			4		4	20
Direct sowing technique of paddy seed in farmers field	1	16			4		4	20
Use of HDPE pipes in paddy crop irrigation	1	16			4		4	20
Use of drip irrigation technique for irrigation	1	16			4		4	20
Use of rotavator in farmers field preparation	1	16			4		4	20
How to handle the tractor	1	16			4		4	20
Repair and maintenance of the tractor	1	16			4		4	20
VII Plant Protection								
Integrated Pest Management	3	48	48		12		12	60
Integrated Disease Management	1	16	16		4		4	20
Bio-control of pests and diseases	1	16	16		4		4	20
Production of bio control agents and bio pesticides								
IX Production of Inputs at site					4	4		
Seed Production	1	16	16		8	8		20
Planting material production (Horti.)	2	32	32		8			40
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production (Horti.)								
Organic manures production (A.S.)								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								

Production of Fish feed									
X Capacity Building and Group Dynamics									
Formation and Management of SHGs(HS)	2	32				8			40
Entrepreneurial development of farmers/youths (Agro.)	1	16				4			20
TOTAL	81	576	435	656	235	225	284	1715	

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

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	Total	M	F	Total	
CROP PRODUCTION										
6 April,2023	Practicing farmers & farm women	Prod. Tech. of summer moong	1	16	-	16	4	-	4	20
19 June,2023	Practicing farmers & farm women	Prod. Tech. of kharif groundnut	1	16	-	16	4	-	4	20
8 July,2023	Practicing farmers & farm women	Crop management of seasmum	1	16	-	16	4	-	4	20
13 July,2023	Practicing farmers & farm women	Weed management in paddy	1	16	-	16	4	-	4	20
10 Sept., 2023	Practicing farmers & farm women	Integrated crop management in mustard	1	16	-	16	4	-	4	20
6 Nov.,2023	Practicing farmers & farm women	Nutrients and water magement in rabi crops	1	16	-	16	4	-	4	20
10 Nov. , 2023	Practicing farmers & farm women	Integrated crop management in Wheat	1	16	-	16	4	-	4	20
9 Dec., 2023	Practicing farmers & farm women	Weed management in wheat	1	16	-	16	4	-	4	20
HORTICULTURE										
10 Feb.,2023	Practicing farmers & farm women	Integrated crop management in colocasia	1	16	-	16	4	-	4	20
15 April,2023	Practicing farmers & farm women	Integrated crop management in Guava	1	16	-	16	4	-	4	20
15 May ,2023	Practicing farmers & farm women	Planning layout and field management for establishing new orchard of guava , mango, aonla and citrus.	1	16	-	16	4	-	4	20
23 June,2023	Practicing farmers & farm	Nursery management and production tech. of	1	16	-	16	4	-	4	20

	women	chrysanthemum and papaya								
23 July,2023	Practicing farmers & farm women	Production tech. of hybrid capsicum	1	16	-	16	4	-	4	20
16 Aug. ,2023	Practicing farmers & farm women	Techniques of vegetables Nursery Raising in Low Tunnel Poly House	1	16	-	16	4	-	4	20
23 Sept ,2023	Practicing farmers & farm women	Integrated crop management in Potato and Garlic	1	16	-	16	4	-	4	20
1 Oct.,2023	Practicing farmers & farm women	Production Tech. of Isabgol	1	16	-	16	4	-	4	20
Soil Science										
9 Feb. , 2023	Practicing farmers & farm women	Integrated Nutrient Management summer groundnut	1	16	-	16	4	-	4	20
27 April, 2023	Practicing farmers & farm women	Importance of green manuring of soil health	1	16	-	16	4	-	4	20
12 May, 2023	Practicing farmers & farm women	Use of fertilizer as soil test based recommendation	1	16	-	16	4	-	4	20
30 June, 2023	Practicing farmers & farm women	Vermicompost and Nadep production technique useful for soil health	1	16	-	16	4	-	4	20
8 July 2023	Practicing farmers & farm women	Importance of BGA in rice crops	1	16	-	16	4	-	4	20
8 Sept. 2023	Practicing farmers & farm women	Use of Sulphur in oil seed crops.	1	16	-	16	4	-	4	20
14 Oct. 2023	Practicing farmers & farm women	Crop Residue management for improving soil quality	1	16	-	16	4	-	4	20
8 Nov., 2023	Practicing farmers & farm women	Foliar application of nutrients through water soluble fertilizer	1	16	-	16	4	-	4	20
8 Dec., 2023	Practicing farmers & farm women	Role an importance of Micronutrient in vegetables crop	1	16	-	16	4	-	4	20
Animal Husbandry										
01 Feb.,2023	Practicing farmers & farm women	Balance feeding of dairy animals.	1	16	-	16	4	-	4	20
05 March,2023	Practicing farmers & farm women	Control measures of mastitis in dairy animals	1	16	-	16	4	-	4	20
18 April,2023	Practicing farmers & farm women	Control of parasitic infestation in farm animals	1	16	-	16	4	-	4	20
02 May, 2023	Practicing farmers & farm women	Goatery management	1	16	-	16	4	-	4	20
21 May,2023	Practicing farmers & farm women	Management of dairy animals in summer season	1	16	-	16	4	-	4	20
01 June, 2023	Practicing farmers & farm	Importance of AI in farm animals and	1	16	-	16	4	-	4	20

	women	Precautions								
14 Sept.,2023	Practicing farmers & farm women	Use of mineral mixtures in feeding schedule of milch animals	1	16	-	16	4	-	4	20
27 Oct., 2023	Practicing farmers & farm women	Fodder production during Rabi season.	1	16	-	16	4	-	4	20
28 Dec., 2023	Practicing farmers & farm women	Care and management of milch animals	1	16	-	16	4	-	4	20
AGRICULTURE EXTENSION										
19 May, 2023	Practicing farmers & farm women	Formation of self helps groups and farmers empowerment	1	16	-	16	4	-	4	20
20 June,2023	Practicing farmers & farm women	Formation of framers clubs and farmers empowerment	1	16	-	16	4	-	4	20
10 July, 2023	Practicing farmers & farm women	Market led agril. extension	1	16	-	16	4	-	4	20
14 August, 2023	Practicing farmers & farm women	Secondary agriculture and income generation	1	16	-	16	4	-	4	20
10 Dec., 2023	Practicing farmers & farm women	Diversification in agriculture	1	16	-	16	4	-	4	20
PLANT PROTECTION										
12 May,2023	Practicing farmers & farm women	Integrated pest management in zaid vegetable	1	16	-	16	4	-	4	20
15 Nov., 2023	Practicing farmers & farm women	Biological control of insects and diseases in winter season vegetables	1	16	-	16	4	-	4	20
7 Dec, 2023	Practicing farmers & farm women	Biological control of pests in rabi pulses	1	16	-	16	4	-	4	20
HOME SCIENCE										
20 Jan., 2023	Practicing farmers & farm women	High nutrients diet for adolescent girl	1	-	15	15	-	5	5	20
18 April, 2023	Practicing farmers & farm women	Importance and use of proteins	1	-	15	15	-	5	5	20
23 May 2023	Practicing farmers & farm women	Value addition of fruits and vegetables	2	-	35	35	-	25	25	60
28 June 2023	Practicing farmers & farm women	Management of nutrition kitchen Garden	2	-	30	30	-	25	25	60
22 July 2023	Practicing farmers & farm women	Safe grain storage	1	-	15	15	-	5	5	20
25 Oct. 2023	Practicing farmers & farm women	Management of nutrition kitchen Garden	1	-	15	15	-	5	5	20
20 Nov. 2023	Practicing farmers & farm women	Food fortification of bajra,amakka an graundnut	1	-	15	15	-	5	5	20
11 Dec. 2023	Practicing farmers & farm	Value Addition of groundnut	2	-	45	45	-	20	20	60

		women								
Agri. Engineering										
Jan. 2023	Practicing farmers	Interculture of farmers field by hand hoe	1	-	15	15	-	5	5	20
Feb. 2023	Practicing farmers	Use of potato digger technique in potato digging	1	-	15	15	-	5	5	20
March 2023	Practicing farmers	Use of reaper in wheat harvesting	1	-	15	15	-	5	5	20
April 2023	Practicing farmers	Use of tractor operated M.B.plough	1	-	15	15	-	5	5	20
May 2023	Practicing farmers	Use of tractor operated sub-soiler for deep ploughing	1	-	15	15	-	5	5	20
June 2023	Practicing farmers	Water holding technique in farmers field	1	-	15	15	-	5	5	20
July 2023	Practicing farmers	Improve the water level of well and tube-well by rainy water	1	-	15	15	-	5	5	20
August 2023	Practicing farmers	Use of low poly-tunnel for nursery preparation	1	-	15	15	-	5	5	20
Sept. 2023	Practicing farmers	Paddy harvesting by combine machine	1	-	15	15	-	5	5	20
Oct. 2023	Practicing farmers	Use of rotavator in field preparation	1	-	15	15	-	5	5	20
Nob. 2023	Practicing farmers	Use of seed-drill in wheat sowing	1	-	15	15	-	5	5	20
Dec. 2023	Practicing farmers	Use of sprinkler irrigation system for irrigation	1	-	15	15	-	5	5	20

Off Campus

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G Total
				M	F	Total	M	F	Total	
CROP PRODUCTION										
2 March, 2023	Practicing farmers & farm women	Production technology of summer groundnut	1	10	6	16	2	2	4	20
26 June, 2020	Practicing farmers & farm women	Production technology of hybrid rice	1	10	6	16	2	2	4	20
24 June, 2023	Practicing farmers & farm women	Production technology of Hybrid maize	1	10	6	16	2	2	4	20
14 July, 2023	Practicing farmers & farm women	Production technology of Sesame	1	10	6	16	2	2	4	20
24 Oct., 2023	Practicing farmers & farm women	Integrated crop management of gram & field pea	1	10	6	16	2	2	4	20
28 Sept., 2023	Practicing farmers & farm women	Production technology of mustard	1	10	6	16	2	2	4	20
28 Nov., 2023	Practicing farmers & farm women	Weed management of in wheat	1	10	6	16	2	2	4	20
HORTICULTURE										
12 January,	Practicing farmers & farm women	Integrated Nutrient	1	10	6	16	2	2	4	20

2023		Management in Okra, Bottle gourd, hybrid cucumber and Bitter gourd								
15 March, 2023	Practicing farmers & farm women	Production technology of papaya	1	10	6	16	2	2	4	20
22 May, 2023	Practicing farmers & farm women	Production tech. of kharif onion and marigold	1	10	6	16	2	2	4	20
9 June ,2023	Practicing farmers & farm women	Integrated crop management in cucurbits	1	10	6	16	2	2	4	20
15 June ,2023	Practicing farmers & farm women	Production Tech. of Gladiolus ,marigold and chrysanthemum	1	10	6	16	2	2	4	20
19 Sept. ,2023	Practicing farmers & farm women	Integrated crop management of garlic and onion	1	10	6	16	2	2	4	20
21 Oct.,2023	Practicing farmers & farm women	Production techniques of hybrid Tomato	1	10	6	16	2	2	4	20
SOIL SCIENCE										
17 Feb. 2023	Practicing farmers & farm women	INM in vegetable crops	1	10	6	16	2	2	4	20
12 May, 2023	Practicing farmers & farm women	Importance of green manure for soil health	1	10	6	16	2	2	4	20
15 April 2023	Practicing farmers & farm women	Foliar application of nutrients through water soluble fertilizers	1	10	6	16	2	2	4	20
09 June, 2023	Practicing farmers & farm women	Importance of BGA in paddy	1	10	6	16	2	2	4	20
17 July 2023,	Practicing farmers & farm women	NADEP and vermi compost production technique	1	10	6	16	2	2	4	20
29 Sept. 2023,	Practicing farmers & farm women	Use of Sulphur & Boron in potato	1	10	6	16	2	2	4	20
27 Oct., 2023	Practicing farmers & farm women	Use of Sulphur & Boron in mustard crop	1	10	6	16	2	2	4	20
22 Dec., 2023	Practicing farmers & farm women	Role and efficiency of micro nutrients in rabi crops	1	10	6	16	2	2	4	20
ANIMAL HUSBANDRY										
30 May, 2023	Practicing farmers & farm women	Care and management of milch animals during summer	1	10	6	16	2	2	4	20
02 June, 2023	Practicing farmers & farm women	Measures for control of	1	10	6	16	2	2	4	20

		infectious diseases in farm animals								
16 July, 2023	Practicing farmers & farm women	Role of mineral mixture in dairy animals	1	10	6	16	2	2	4	20
18 August, 2023	Practicing farmers & farm women	Control of ecto and endo – parasites in farm animals	1	10	6	16	2	2	4	20
19 Oct., 2023	Practicing farmers & farm women	Disease control in goats	1	10	6	16	2	2	4	20
22 Nov., 2023	Practicing farmers & farm women	Infertility management in farm animals	1	10	6	16	2	2	4	20
28 Dec., 2023	Practicing farmers & farm women	Care and management of newly borne calve upto age of one years	1	10	6	16	2	2	4	20
AGRICULTURE EXTENSION										
1 July, 2023	Practicing farmers & farm women	Formation of farm science clubs	1	10	6	16	2	2	4	20
21 Oct., 2023	Practicing farmers & farm women	Formation of self helps groups	1	10	6	16	2	2	4	20
12 Nov., 2023	Practicing farmers & farm women	Capacity building of members of Kishan Vidyalay	1	10	6	16	2	2	4	20
PLANT PROTECTION										
25 May, 2023	Practicing farmers & farm women	management of pests and diseases in paddy	1	10	6	16	2	2	4	20
7 Oct., 2023	Practicing farmers & farm women	Integrated disease management in garlic and potato	1	10	6	16	2	2	4	20
12 Oct., 2023	Practicing farmers & farm women	Production technology of oyster mushroom	1	10	6	16	2	2	4	20
10 Dec., 2023	Practicing farmers & farm women	Nursery production in low tunnel poly house	1	10	6	16	2	2	4	20
7 Feb., 2023	Practicing farmers & farm women	Integrated pest management in mustard	1	10	6	16	2	2	4	20
HOME SCIENCE										
23 Jan. 2023	Women farmers	Hand embroidery for income generation.	1	-	15	15	-	5	5	20
22 May 2023	Women farmers	Management of nutritional kitchen garden	2	-	35	35	-	25	25	60
20 June 2023	Women farmers	Importance of protin in human diet	1	-	15	15	-	5	5	20

21 July 2023	Women farmers	Safe grain storage	1	-	15	15	-	5	5	20
20 August 2023	Women farmers	Fruit and vegetable preservation	2	-	30	30	-	30	30	60
21 October 2023	Women farmers	Nutritional efficient diet for farm woman	1	-	15	15	-	5	5	20
20 NOV. 2019	Women farmers	Food fortification of bajra, makka and groundnut	2	-	45	45	-	20	20	64
20 Dec. 2023	Women farmers	Value addition of garlic	1	-	15	15	-	5	5	20
Agri. Engineering										
Jan. 2023	Practicing farmers & farm women	Use of sprinkler irrigation system for irrigation	1	-	15	15	-	5	5	20
Feb. 2023	Practicing farmers & farm women	Use of potato digger technique for potato digging	1	-	15	15	-	5	5	20
March 2023	Practicing farmers & farm women	Use of potato grading technique	1	-	15	15	-	5	5	20
April 2023	Practicing farmers & farm women	Wheat harvesting technique by combine machine	1	-	15	15	-	5	5	20
May 2023	Practicing farmers & farm women	Wheat harvesting technique by reaper	1	-	15	15	-	5	5	20
June 2023	Practicing farmers & farm women	Deep ploughing of farmers field by sub-soiler before rain	1	-	15	15	-	5	5	20
July 2023	Practicing farmers & farm women	Direct sowing technique of paddy seed in farmers field	1	-	15	15	-	5	5	20
August 2023	Practicing farmers & farm women	Use of HDPE pipes in paddy crop irrigation	1	-	15	15	-	5	5	20
Sept. 2023	Practicing farmers & farm women	Use of drip irrigation technique for irrigation	1	-	15	15	-	5	5	20
Oct. 2023	Practicing farmers & farm women	Use of rotavator in farmers field preparation	1	-	15	15	-	5	5	20
Nob. 2023	Practicing farmers & farm women	How to handle the tractor	1	-	15	15	-	5	5	20
Dec. 2023	Practicing farmers & farm women	Repair and maintenance of the tractor	1	-	15	15	-	5	5	20

i) Vocational training programmes for Rural Youth

Date	Crop / Enterprise	Identified Thrust Area	Title of training	Duration (days)	No. of Participants			SC/ST participants			G Total
					M	F	Total	M	F	Total	
18-22 June,	Organic input	Income generati	Prod. Tech. of BGA for paddy	5	10	-	10	5	-	5	15

2023		on									
26-30 June., 2023	Value addition	Income generation	Production technology of scented rice	5	-	15	15	-	5	5	20
24-28 July, 2023	Groundnut	Seed	Seed production technology of groundnut	5	14	2	16	3	1	4	20
26-30 Aug., 2023	Value addition	Income generation	Preparation of Aonla products for self employment generation	3	-	8	8	-	2	10	10
01-05 Sept., 2023	Nursery	Income generation	Nursery raising of winter season vegetables and flowers	3	16	-	16	4	-	4	20
28-30 Sep., 2023	Mushroom	Income generation	Production technology mushroom	3	16	-	16	4	-	4	20
22-24 Oct., 2019	Bee keeping	Income generation	Bee keeping management and marketing	5	14	2	16	3	1	4	20
20-24 Nov., 2023	Live stock	Income generation	Goat farming	5	14	2	16	3	1	4	20
10-13 Dec. 2023	Value addition	Income generation	Preparation of garlic and groundnut products for self employment generation	4		15		15	5	5	20

Agril. Engg.

Employment generating training to rural youth

S. No.	Topic	No. of course	Duration (Days)	Male	Female	SC/ST	Total
1.	Repair of 5H.P.diesal Engine	1	1	20	-	-	20
2.	To understand the hydraulic system of tractor	1	1	20	-	-	20
3.	To understand the cooling system of tractor	1	1	20	-	-	20

Training to extension functionaries

S. No.	Topic	No. of course	Duration (Days)	Male	Female	SC/ST	Total
1.	Calibration technique of seed-drill	1	1	20	-	-	20
2.	Repair and maintenance of rotavator	1	1	20	-	-	20
3.	Benefits of sprinkler irrigation system	1	1	20	-	-	20

ii) Training programmes for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST			G Total
					M	F	Total	M	F	Total	
16 Feb.,2023	Extension functionaries	Fruit preservation technology	1	KVK Mainpuri	19	-	19	6	-	6	25
23 May 2023	Extension functionaries	Soil test based fertilizer recommendation	1	KVK Mainpuri	19	-	19	6	-	6	25
28 May, 2023	Extension functionaries	Layout , planning and establishment of new orchard of mango, Guava, Aonla and citrus orchard	1	KVK Mainpuri	19	-	19	6	-	6	25
30 June, 2023	Extension functionaries	Production technology of scented rice	1	KVK Mainpuri	19	-	19	6	-	6	25
15 July , 2023	Extension functionaries	Identification of important insect –pest of paddy and their management	1	KVK Mainpuri	19	-	19	6	-	6	25
17 July.2019	Extension functionaries	Production technology of hybrid capsicum and chrysenthemum	1	KVK Mainpuri	19	-	19	6	-	6	25
23 Sept.,2023	Extension functionaries	Advances in production technology of oil seed/Pulses	1	KVK Mainpuri	19	-	19	6	-	6	25
28 Sept.,2023	Extension functionaries	ICM in potato and garlic	1	KVK Mainpuri	19	-	19	6	-	6	25
14 Oct. 2023	Extension functionaries	Crop residue management for better soil health	1	KVK Mainpuri	19	-	19	6	-	6	25
25 Oct. 2023	Extension functionaries	Integrated crop management in wheat	1	KVK Mainpuri	19	-	19	6	-	6	25
14 Nov. 2023	Extension functionaries	Foliar application of nutrients through water soluble fertilizers	1	KVK Mainpuri	19	-	19	6	-	6	25
23 Nov.,2023	Extension functionaries	Use of bio- agents in vegetables and fruits	2	KVK Mainpuri	19	-	19	6	-	6	25
13 oct. 2023	Extension functionaries	Preparation of nutritious food for locally available grains	1	KVK Mainpuri	19	-	19	6	-	6	25
21 Dec.,2023	Extension functionaries	Food security through kitchen garden	1	KVK Mainpuri	19	-	19	6	-	6	25

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	16	1210	60	1270	15		15	1225	60	1285
Kisan Mela	8	8000	2000	10000	400	60	460	8400	2060	10460
Kisan Ghosthi	8	700	200	900	100		100	800	100	
Exhibition										
Film Show	10	210	40	250	10		10	220	40	260
Farmers Seminar										
Workshop										
Group meetings	4	70	20	90				70	20	90
Lectures delivered as resource persons	40	2250	50	2300	100		100	2350	50	2400
Newspaper coverage	49									
Radio talks	5									
TV talks	15									
Popular articles	10									
Extension Literature	6									
Advisory Services	19	79	20	99	20		20	99	20	119
Scientific visit to farmers field	180	2180	200	2380	100	20	120	2280	220	2500
Farmers visit to KVK	1350	800	100	900	450		450	1250	100	1350
Diagnostic visits	40	400	45	445	45	25	70	445	70	515
Exposure visits	2	190		190				190		190
Ex-trainees Sammelan	4	100	20	120	10	10	20	110	30	140
Soil health Camp	2	60	20	80	2		2	62	20	82
Animal Health Camp	2	80	30	110	10		10	90	30	120
Agri mobile clinic	150	1200	120	1320	45	10	55	1245	130	1375
Soil test campaigns	1200									
Farm Science Club Conveners meet										
Self Help Group Conveners meetings	5	35	25	60				35	25	60
Mahila Mandals Conveners meetings	2		25	25					25	25
Celebration of important days (specify)	4	750	150	900	90	20	110	840	170	1010
Krishi Mohostva	2	450	125	575	25	15	40	475	140	615
Krishi Rath										
Pre Kharif workshop	1	650	150	800	55	25	70	705	175	880
Pre Rabi workshop	1	550	100	650	75	25	100	625	125	750
PPVFRA workshop										
Any Other (Specify)										
Total	3175	19964	3500	23464	1552	210	1752	21516	3610	24226

3.5 Target for Production and supply of Technological products

SEED MATERIALS

SI. No.	Crop	Variety	Quantity (qtl.)

PLANTING MATERIALS

SI. No.	Crop	Variety	Quantity (Nos.)
Fruit	Papaya	Pusa Nanha	200
SPICES			
Vegetables	Brinjal	High yielding varieties	5000
	Chilli,/ Capsicum	High yielding varieties	5500
	Tomato,	High yielding varieties	5000
	Cauliflower	High yielding varieties	4000
	Cabbage	High yielding varieties	1000
	Cucurbits	High yielding varieties	600
FOREST SPECIES			
	Teak		500
ORNAMENTAL CROPS			
	Rose	Desi	200
	Annuals	Different species	1000
	Gladiolus and chrysenthemum		1200
		Total	24200

Bio-products

SI. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1	Vermicompost			600
2	Nadap			3000

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	Number
1	Research paper each scientist	1
2	Technical reports	4
3	News letters	4
4	Training manual all discipline	3

5	Popular article	11
6	Extension literature	9
	Total	32

(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.

: Capsicum & chrysanthemum production -

- 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) Lectures
- b) Field visits
- c) Demo about technology

Rural Youth

- a) Lectures
- b) Field visit
- c) **Practical work**
- d) Case study and success stories

In-service personnel

- a) Lecturer /Training
- b) Demonstrations
- c) Visual Aids/ Literatures

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT :

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

For FLD :

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

3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year)–
Block Sultangang, Bewar, Mainpuri, Ghirror
Village : Nagla Jhala, Udaipur, Pal, Shahra, Barapur, N. Takan, Aucha, Bhashuar, Ajitjanj
- ii. No. of farm families selected per village : 10
- iii. No. of survey/PRA conducted : 3
- iv. No. of technologies taken to the adopted villages 12
- v. Name of the technologies found suitable by the farmers of the adopted villages: 12
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 2010

2. List of equipments purchase with amount

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

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	1000	1000	60	
Water				
Plant				
Total	1000	1000	60	

4.0 LINKAGES

4.1 Functional linkage with different organizations

Functional linkage with different organizations

Name of the programme	Institution involved	Kind of linkages
ATMA, NFSM	Department of Agriculture, U.P.	Participation as resource person, Farm advisory services, Training to field personnel
Horticulture mission	Department of Horticulture, U.P.	Participation as resource person, Farm advisory services, Training to field personnel
Training, KishanMela, Krishak Ghosthi, Fieldday	UPBSN	Participation as resource person, Farm advisory services, Training to field personnel
Field out reach programme	KRIBHCO, IFFCO, NFL	Participation as resource person, Farm advisory services,
Training	NABARD	Participation as resource person, Farm advisory services, Training to bankers
Training, Animal camp	Department of A.H., U.P.	Participation as resource person, Farm advisory services,
Training, KishanMela, Krishak Ghosthi, Fieldday, Exposure visit	N.G.O., Om gaura seva samiti	Participation as resource person, Farm advisory services, Training to field personnel
Training	Soil Conservation Department, Mainpuri	Participation as resource person, Farm advisory services, Training to field personnel

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district - Yes

S. No.	Programme	Nature of linkage
1	Training	Participation
2	Meeting, Demonstration, field visit , Gosthies, Kisan Mela	Participation
3	Farmer Scientist Interaction	Participations

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Training programme	Official
2		

4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1	Training	Participation in training
2	Krishak Gosthi	Participation in Gosthi

5.0 Utilization of hostel facilities

Farmers hostel is presently used as office building

6.0 Convergence with departments :**7.0 Feedback of the farmers about the technologies demonstrated and assessed :****8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities :**

ACTION PLAN
NARI PROJECT 2023

1. On Farm Trial

1	Crop/Enterprise	
2	Title	Improvement of Health status of farm women through blended wheat flour
3	Problem diagnosed	Low nutritional status of farm women
4	Production system and thematic area	Food security
6	Source of technology	CSAU&T, Kanpur
7	No. of Farmers	10
8	Critical input	Fortified wheat flour
9	Details of technologies selected for assessment / refinement	
10	Treatment	T ₁ : Farm women practice (Wheat flour)
		T ₂ : Fortified wheat flour (65%Wheat + 15%Gram +10%jwar+ 5%soyabean+5%Bajara)
11	Performance Indicators	
	Technical	1 – BMI index
		2 – Sensory evaluation
	Economic	1.C:B ratio
	Social	1 –Acceptability
		2 – Change in physiological status after 3 month consumption of blended wheat flour by farm women

2. Front line demonstration

Enterprise	Variety	No. of farmers	No. of Units	Critical inputs	Performance parameters / indicators
Nutritional kitchen gardening to enhance health status of family	Improved variety of vegetables	20	20	Seed + Bio-Pesticide	1.vegetable intake/day 2.social acceptance 3.C:B ratio

3. Capacity building programs and awareness programs

Sl. no	Particulars
1	Household food security by nutritional gardening
2	Design and development of low cost diet of local available resources
3	Designing and development for high protein efficient diet for rural women
4	Minimization of nutrient loss in processing of vegetables & fruits
5	Improvement of health status of farm women through fortified food
6	Empowerment of rural women through SHGs
7	Multigrain nutritional recipes for women from locally available resources
8	Income generation activities for empowerment of rural youth
9	Value addition of ground nut
10	Formation of iron rich diet for preventing anemia in rural women
11	Drudgery reducing equipments for farm women.
12	Value addition of vegetables
13	Value addition of fruits

ANNUAL ACTION PLAN
KVK KANPUR DEHAT
(JANUARY 2023 to DECEMBER 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
	Office	FAX		
Krishi Vigyan Kendra, Daleep Nagar, Kanpur Dehat			kvkkanpurdehat@gmail.com	www.kanpurdehat.kvk4.in

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

Address	Telephone		E mail	Website
	Office	FAX		
C.S.A.U. of Agri. & Tech. Kanpur-208002	(0512)-2534155, 2533843	(0512)-2533808	vc@csauk.ac.in	www.kanpurdehat.kvk4.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: Not Working (Informed to ATARI & D.E. Kanpur)







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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Ram Prakash	-	7275670711	kvkkanpurdehat@gmail.com

1.4. Year of sanction: 2004

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	Cate.	Mobile No.	Email id	Recent photograph
1.	Senior Scientist cum Head	Dr. Ram Prakash	Agronomy	Ph.D. (Agronomy.)	37400-67000 (192200)	14.05.1962	Permanent	SC	7275670711	kvkkanpurdhat@gmail.com	
2.	Subject Matter Specialist	Dr. Mithlesh Verma	Home Science	Ph.D. (Home Science)	37400-67000 (192200)	July 2021	Permanent	OBC	7054133396	mithleshverma69@gmail.com	
3.	Subject Matter Specialist	Dr. Ajay Kumar Singh	P.P.	Ph.D. (Ent.)	15600-39100 (104100)	March 2021	Permanent	GEN	9415265205	drajaysingh25dec@gmail.com	
4.	Subject Matter Specialist	Dr. Vinod Prakash	Extension	Ph.D. (Ext.)	15600-39100 (107200)	21.03.2022	Permanent	SC	9411941294	vpkvk10@gmail.com	
5.	Subject Matter Specialist	Dr. Khalil Khan	Soil Science	Ph.D. (Soil Sc.)	15600-39100 (107200)	29.11.2004	Permanent	GEN	9140387580	khankhalil64@gmail.com	
6.	Subject Matter Specialist	Dr. Arun Kumar Singh	Horticulture	Ph.D. (Hort.)	15600-39100 (107200)	29.11.2004	Permanent	GEN	9452284350	arunsinghcsa@gmail.com	
7.	Subject Matter Specialist	Dr. Shashikant	A.H.	M.Sc. (A.H)	15600-39100 (107200)	July, 2021	Permanent	SC	7355939308,	shashikantkvk@gmail.com	

8.	Computer Programmer	Mr. Rahul Deo	Comp. Programmer	M.Sc. (Ag) Comp. diploma	9300-34800 (72100)	11.08.2022	Permanent	OBC	9336969578	rahuldevcsa@gmail.com	
9.	Programme Assistant	VACANT									
10.	Farm Manager	VACANT									
11.	O.S/ Accountant	VACANT									
12.	Computer Operator/ Stenographer	Sri Sharad Kumar Singh	Computer Operator/ Stenographer	B.Sc. PGDCA	5200-20200 (49000)	7, Jan, 2022	Permanent	GEN	9935309471	sharadsingh66@gmail.com	
13.	Driver (Jeep)	Shri Arjun Lal	Driver (Jeep)	High School	5200-20200 (28700)	March, 2019	Permanent	SC	8546061167		
14.	Driver (Tractor)	Mr Jamuna Prasad	Driver (Tractor)	High School	5200-20200 (32000)	Oct. 2015	Permanent	OBC	9936972711		
15.	Attendant	Mr. Bhagwan Pal		Graduate	5200-20200 (30200)	02.12.2005	Permanent	OBC	9794145243		
16.	Attendant	Smt Kishan Kumari	-	-	5200-20200 (22100)	16-8-2014	Permanent	GEN			

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	1.7
2.	Under Demonstration Units	0.3
3.	Under Crops	2.0
4.	Horticulture/Orchard/Agro-forestry	1.0
5	Bio-fortification Project	2.0
6	Others (Usar land)	5.0
Total		12.00

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage						Require d New	Needs renovation
			Complete			Incomplete				
			Comp-letion Year	Plinth area (Sq.m)	Expen-diture (Rs.)	Starti ng Year	Plinth area (Sq.m)	Status of const-ru-ction		
1.	Administrative Building	ICAR		690	25.0	Mar 2011		Incomplete		
2.	Farmers Hostel	ICAR		570				Complete		
3.	Staff Quarters (6)		-	-	-	-				
4.	Demonstration Units (2)	ICAR		180	4.0	Mar 2011		Incomplete		
5	Fencing	-	-	-	-	-	-	-	Yes	
6	Rain Water harvesting system	-	-	-	-	-	-	-	Yes	
7	Threshing floor	-	-	-	-	-	-	-	Yes	
8	Farm godown	-	-	-	-	-	-	-	Yes	
9	Other									

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	2019	8.0 Lac	79500	From RKVY Scheme
Motorcycle	2010	0.5Lac	31000	Not Runing

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Video cam	2011	24000	Good
PA system	2008	10000	Working
Soil Testing Lab	2013	100000	Working
V Sat Lab	2008	Delivered by ICAR	Not Working
Bio-matric machine with Lap top	2014	65000	Not working

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

Sl.No.	Date
1. Scientific Advisory Committee	09.03. 2022

DETAILS OF DISTRICT (KANPUR DEHAT)

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

S. No	Farming system/enterprise
1.	Rice – Wheat & Rice – Mustard
2.	Bajra- Wheat, Maize- Wheat & Sesamum-Wheat
3.	Maize - Potato - wheat, Rice – Gram

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	Central Plane Zone V	Semi-arid, Max. Temp 45.6°C Min. Temp. 6°C, Rainfall 780-825 mm. Alluvial soil, originated from the Ganges and its territories, loamy sand to loam, well drained
B) Topography		
S. No	Agro ecological situation	Characteristics
1.	AES-I	Sandy loam texture, light grey to light brown or light yellowish color, normal to light sodic nature, medium to high sodic nature, medium to high sodic nature, sodic land poorly drained, normal soil well drained, poor fertility status, deficit in nitrogen and organic matter, slope ranges between 1-3% slight to moderate soil erosion.
2.	AES-II	Light loam to silty loam texture, light brown to almost brown colour, light to high sodic nature of soil and are available in lower parts and depressions, high water soluble salt in sodic soils, sodic soils poor drained, normal soil well drained, good water holding capacity, slope ranges between 1-3%, slight to moderate soil erosion.
3.	AES-III	Silty to silty loam, clay loam texture, grey to dark grey colour, low water soluble salts and less in sodic nature, kankers layer appear after few depth, moderately well drained to well drained, deficient in nitrogen and organic matter, good water holding capacity, medium responsive to fertilizer application, slope ranges between 1-3% slight to moderate soil erosion.
4.	AES-IV	Sandy loam to loam texture (like to parwa), brown to yellowish brown colour, normal to less alkaline, medium water soluble salts, well drained, poor to moderate organic matter, low water stable, responsive to fertilizer application, slope ranges between 3-1% moderate to severe soil erosion.

2.3. Soil types

S. No	Soil type	Characteristics	Area in ha
1.	Ganga recent alluvial soil	Sandy loam – loam, grey to brown colour, Normal to light soil nature, poorly drained, poor fertility, soil-slop-1-3%	2.20 lakh ha
2.	Ganga flat soil	Loam to silty loam texture, brown to almond brown colour light to high sodic nature, well drained, good water holding capacity, slope ranges between 1-3%	
3.	Ganga up land	Loamy sand to sandy loam, brown colour, medium to good water holding capacity, well drained, slope ranges between 1-5%	
4.	Ganga low land	Silty to silty loam, grey to dark grey colour, kanker layer appear after few depth, moderately well drained to well drained, good water holding capacity, slope range 1-3%	0.32 lakh ha
5.	Yamuna flat soil	Sandy loam to loam soil, medium alkaline, water soluble salt, calcarius up to few depth, moderately well drained moderate water holding capacity slope range – 3 – 10%	0.63 lakh ha
6	Problematic soil (usar)	PH value more than 9.5	0.56 lakhs ha.
	Yamuna recent alluvial soil	Sandy loam to loamy texture, brown to yellowish brown colour, medium water soluble salt, well drained, low water table, slope ranges between 3-10% moderate to severe soil erosion.	

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

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1.	Wheat	103250	313363	34.53
2.	Rice	42328	152762	36.09
3.	Maize	11642	28686	24.64
4.	Bajra	9460	1421.3	15.02
5.	Jowar	14979	2497.0	16.67
6.	Moong	84	24.0	2.86
7.	Gram	23538	3063.1	13.01
8.	Pea	8299	1642.3	19.79
9.	Arhar	10465	2382.1	22.76
10.	Rape seed/ Mustard	29973	4242.2	14.15
11.	Potato	4801	434346.1	122.50

2.5. Weather data (2022)

Rainfall received in the village during 2022 (mm)

Time	Jan	Feb	March	April	May	June	July	Aug	Sept	Octo	Nov	Dec
00:00	0	0	0	0	0.1 mm	0.0 mm	0.0 mm	0.0 mm	1.2	0.5	0	0
03:00	0	0	0	0	0.2 mm	0.0 mm	0.1 mm	0.0 mm	0	0	0	0
06:00	0	0	0	0	0.2 mm	0.0 mm	0.0 mm	0.9 mm	0	0.9	0	0
09:00	0	0	0	0	0.0 mm	0.0 mm	0.0 mm	0.8 mm	0.8	0	0	0
12:00	0	0	0	0	0.0 mm	0.0 mm	0.3 mm	1.0 mm	1.2	0	0	0
15:00	0	0	0	0	1.5 mm	0.3 mm	0.5 mm	0.0 mm	0	1.0	0	0
18:00	0	0	0	0	3.3 mm	1.0 mm	0.0 mm	0.0 mm	0.7	0	0	0
21:00	0	0	0	0	0.5 mm	0.9 mm	0.0 mm	0.0 mm	0	0	0	0

Kanpur Nawabganj, India Weather Averages

Month	Day	Night	Rain Days
<u>January</u>	24°C	13°C	1
<u>February</u>	28°C	15°C	1
<u>March</u>	35°C	21°C	1
<u>April</u>	41°C	28°C	0
<u>May</u>	44°C	33°C	0
<u>June</u>	43°C	33°C	2
<u>July</u>	37°C	30°C	11
<u>August</u>	34°C	28°C	12
<u>September</u>	34°C	27°C	7
<u>October</u>	34°C	25°C	2
<u>November</u>	31°C	20°C	0
<u>December</u>	26°C	15°C	0

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

Category	Population	Production	Productivity
Cattle	137950		
Crossbreed	15090	80050	8.5 lit/day
Indigenous	122860	307150	2.5 lit/day
Buffalo	185952	688022	3.7 lit/day

Sheep	32421		
Crossbreed	-	-	-
Indigenous	-	-	-
Goats	391748	For meat purpose	
Rabbits	-	-	-
Poultry	81897	For meat purpose	-
Hens			
<i>Desi</i>			
Category		Production (Q.)	Productivity
Fish (Reservoir)			

2.7 Details of Operational area / Villages

Sr.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Maitha	Maitha	Pratappur, Devipur, Kadari, Rudapur, Bagulai, Nursujha, Bhaironsah jahanpur, Hridyapur hakia, Arshadpur, Phoolpur, Jhamma Nivada, Anoopur	Wheat, Paddy, Rai, Gram, Maize, Moong, Jowar, Cauliflower, Cabbage, Flower and Live stock	Use of old variety, No use of gypsum, Imbalance use of nutrition & plant protection	Availability, distribution and production of quality seed. Use of NADEP and Vermicompost
2.	Akabarapur	Akabarapur	Puttipurwa, Kurianpurwa, Manjmau, Shyampur, Andaya	Wheat, Paddy, Gram, Moong, Til, Maize, Jowar, Bajra, Field pea	Imbalance use of fertilizer, Late sowing, No use of weedicide	Introduction of bio-fertilize & fertilizer scheduling them with Irrigation of Cereal seeds, pulses and other crops
3.	Derapur	Sarwankhera	Shyampur, Ahiranpurwa	Wheat, Paddy, Arhar, Til	Imbalance use of fertilizer, Late sowing, No use of weedicide	Introduction of bio-fertilize & fertilizer scheduling for oilseeds, pulses and other crops
4.	Rasoolabad	Rasoolabad	Ettaili, Danti, Kaprahat, Nogohaiya	Wheat, Paddy, Pulses and Vegetables	Imbalance use of fertilizer, Late sowing, No use of weedicide	Introduction of improved variety of wheat and paddy and fertilizer scheduling
5.	Sikandra	Rajpur	Mohammadpur Nivada, Jagaipur, Simtamau, Silahra, Kandhipur	Chickpea, Fieldpea, Mustard, Wheat, Peginpea	Use of old variety, Imbalance use of insecticide - Pesticide and fertilizer	Introduction of improved Plant protection measures specially vegetable crops & introduction of bio-fertilize & fertilizer

6	Bhognipur	Malasa	Bhamnauti, Haripurwa	Wheat,paddy, Gram,Moong, Arhar	Imbalance use of fertilizer, Late sowing,	Introduction of bio- fertilize & fertilizer scheduling for oilseeds, pulses and other crops
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2.8 Priority/ Thrust Areas

S.NO.	Thrust area
1.	Control of Malnutrition in rural people
2.	Establishing the nutritional gardens at house-hold level as well as at farm level to eradicate the problem of malnutrition in the rural areas
3.	Integrated Pest Management in different crops and fruits corp.
4.	Rat and red bull control measure
5.	Reclamation of salt affected soils
6.	Improve Productivity of partially reclaimed soil
7.	Introduction of Agro forestry system on normal and degraded soils.
8.	Suitable measures for infertility and balanced nutrition in dairy cattle and buffaloes.
9.	Green Fodder management in lean period
10.	Conservation of Household resources and income generating activities
11.	Formation of women self help groups for their socio-economic upliftment.
12.	Formation of women self help groups for their socio-economic upliftment.
13.	Promotion of Aonla and Ber orchards in saline and usar soils.
14.	Off season and protected vegetable cultivation
15.	Use of bio-fertilizers and fertilizers scheduling for oil seeds, pulses and other crops.
16.	Integrated Weed management in different crops

3 .TECHNICAL PROGRAMME

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

OFT		FLD			
(1)		(2)			
No. of OFTs	No. of Farmers	Crops		Livestock	
		Area (ha)	No. of Farmers	No. of Demo.	No. of Farmers
16	115	80	200	2	100

Training		Extension Activities	
(3)		(4)	
No. of Courses	No. of Participants	No. of activities	No. of participants
100	2000	200	6000

Seed Production (Qtl.)	Planting material Production	Fish seed prod. (Nos.)	Soil Samples analyzed (Nos.)	Development of Soil Health Cards (Nos.)
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	(Nos.)			
(5)	(6)	(7)	(8)	(9)
200	20000		750	3000
Quality seed distributed (q)	No. of saplings distributed (Nos.)	No. of fingerlings distributed (Nos.)	No. of livestock & poultry strains distributed (Nos.)	
(10)	(11)	(12)	(13)	
100	3500	1000	100	

3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions						
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.	
1	Cereal variety	Rice Wheat	Low yield in Usar soils	Assessment of suitable variety	Varietal evaluation of Wheat, Paddy, Maize	Various training proposed through thrust area	Role of green manuring for soil health	Training field days & Demonstrations	Different variety of cereal crop	
2	Weed Management	Rice Wheat	Low yield due to weed infestation	Assessment of suitable weedicides	Weed Management of wheat					Different variety of cereal crop
3	Vegetable variety	Carrot Onion	Low yield due to old varieties	Assessment of suitable variety	Varietal evaluation of Bottle Gourd, Okra, Chilli,					Different variety of vegetable crops
4	Pest Management	Rice	Low yield due to false smut	Assessment of suitable fungicides	Pest management in paddy				1.Preparation of Neem based insecticides 2.Identification of insect-pest in paddy crop	Different variety of rice crop

5	Pest Management	Okra	Low yield due to fruit borer	Assessment of suitable pesticides	-		-		Different variety of Okra crops
6	Pest Management	Brinjal	Low yield due to fruit & shoot borer	Assessment of suitable pesticides	Pest management in Brinjal		-		Different variety of Brinjal crops
7	Pest Management	Buffaloes	Low milk yield due to worms	Deworming buffaloes	-		-		
8	Disease Management	Cattle	Low milk yield due to mastitis	Mastitis management in cattle	-		Control measures mastitis in animals		
9	Cereal	Wheat	Higher loss due to storage grain pest	Safe grain storage in cereal	-				

3.1 Technologies to be assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	2				1					3
Seed / Plant production										
Weed Management	2									2
Integrated Crop Management										
Integrated Nutrient Management				1						1
Mushroom cultivation										
Drudgery reduction	1									1
Farm machineries										
Value addition		1								1
Integrated Pest Management					1					1
Integrated Disease Management					1					1
Resource conservation technology	1									1
Small Scale income generating enterprises										
Live stock										2
Others	3									3
TOTAL	9	1	0	1	3	0	0	0	0	16

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tube r Crops	TOTAL
Varietal Evaluation					2					2
Seed / Plant production										
Weed Management	1									1
Integrated Crop Management										
Integrated Nutrient Management	1									
Integrated Farming System	1									
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Tech.										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	1				2					5

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds		1						1
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder	1							1
Small Scale income generating enterprises								
TOTAL	1	1						2

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

3.1. ON FARM TRIALS (OFTs)

OFT-1

Particulars	Content
Crop/Enterprise	Paddy
Title of OFT	Assessment of herbicides for weed management in paddy
Problem diagnose	Heavy infestation of weed causing yield loss in paddy up to 30 percent
Production system and thematic area	Rice-wheat cropping system
Farming situation	Irrigated
Farmer's Practice	T ₁ - Use of butachlor 2.5 litre/ha.
Details of technology selected for assessment / refinement	T ₂ - Bispyriback 10% SC @200 ml/ha
Source of technology	TNAU, Tamil Nadu
No. of farmers	3
Replication of location	3
Area	0.4 ha per location
Critical input	Herbicides Pyrazo-sulfuron-ethyl
Performance indicator	<p>Technical</p> <ul style="list-style-type: none"> a. Weed count and weed biomass at 30 DAT b. Number of effective tiller / sq. m.at harvest c. Number of grains / panicle d. Test weight (g) e. Production Q/ha <p>Economic</p> <ul style="list-style-type: none"> a. Cost of cultivation (Rs./ha) b. Net Return (Rs./ha) c. B:C ratio <p>Social</p> <p>Farmers acceptability</p>

OFT-2

Particulars	Contents
Crop/Enterprise	Wheat
Title	Weed management in wheat
Problem diagnosed	Low productivity of wheat due to heavy infestation of weeds
Micro farming situation	Irrigated
Details of technology identified for solution	T ₁ : Farmers practice (2,4 D or Isoproturon)
	T ₂ : Clodinafop 15 % + Metsulfuron Methyl 1%. (T.N.SANDESH) @ 400 gram/ha at 30-35 DAS
No. of farmers	3
Replications	3
Critical inputs	Weedi-cides
Production system	Paddy-Wheat
Source of technology	ICAR-Directorate of Weed Research, Jabalpur
Total Cost	Rs. 5000.00
Observation to be recorded	No. of weeds / M ² No. of tillers/hill Yield (q/ha) C:B ratio
Reaction of the farmers	Profitability and Acceptability by the farmers

OFT-3

Particulars	Contents
Crop/Enterprise	wheat
Title	Assessment of suitable variety of wheat in salt affected soil.
Problem diagnosed	Low yield of Wheat in salt affected (Sodic) soil.
Micro farming situation	Irrigated
Details of technology identified for solution	T ₁ : Farmers Practice (Lok-1)
	T ₂ : KRL-210
	T ₃ : KRL-283
No. of farmers	3
Replications	3
Critical inputs	Seed
Production system	Paddy-Wheat
Source of technology	Central Soil Salinity Research Institute, Karnal
Total Cost	Rs. 6000.00
Observation to be recorded	No. of Tillers / Plant Length of Ear heads Yield (q/ha) C:B ratio
Reaction of the farmers	Profitability and Acceptability by the farmers

OFT-4

Particulars	Contents
Crop/Enterprise	Rice
Title	Assessment of suitable variety of Rice in salt affected soil.

Problem diagnosed	Low yield of Rice in salt affected soil.
Micro farming situation	Irrigated
Details of technology identified for solution	T ₁ : Farmers Practice (CSR-43)
	T ₂ : CSR-36
	T ₃ : CSR-46
No. of farmers	3
Replications	3
Critical inputs	Seed
Production system	Paddy
Source of technology	Central Soil Salinity Research Institute, Karnal
Total Cost	Rs. 6000.00
Observation to be recorded	No. of Tillers / Plant Length of Ear heads Yield (q/ha) C:B ratio
Reaction of the farmers	Profitability and Acceptability by the farmers

OFT-5

Particulars	Contents
Crop/Enterprise	Brinjal
Title	Fruit and shoot borer management in Brinjal
Problem diagnosed	Low yield of Brinjal crop due to heavy infestation of Fruit and shoot borer
Micro farming situation	Irrigated
Details of technology identified for solution	T ₁ : Farmers practice (Monocrotophos 36 SL)
	T ₂ : Indoxacarb 14.5 % + Acetamiprid 7.7% SC (2ml/liter of water)
No. of farmers	3
Replications	3
Critical inputs	Insecticide
Production system	Potato-brinjal-tomato
Source of technology	IIVR, Varanasi
Total Cost	6000
Observation to be recorded	No of affected fruits /plant Yield (q/ha) B.C.ratio
Reaction of the farmers	Profitability and Acceptability by the farmers

OFT-6

Particulars	Contents
Crop/Enterprise	Brinjal
Title	Assessment of Suitable Variety in Brinjal
Problem diagnosed	Low yield and quality of Brinjal
Micro farming situation	Irrigated

Details of technology identified for solution	T ₁ : Farmers practice (Goldi)
	T ₂ : Mjaor
	T ₃ .Nav Kiran
No. of farmers	5
Replications	5
Critical inputs	Seed
Production system	Potato-brinjal-tomato
Source of technology	-
Total Cost	5000
Observation to be recorded	Yield/plant (Kg.) Weight of Fruit (g) Yield (q/ha) B.C.ratio
Reaction of the farmers	Profitability and Acceptability by the farmers

OFT-7

Particulars	Contents
Crop/Enterprise	Potato
Title	Control of Black Scurf diseases in Potato
Problem diagnosed	Low yield and quality of Potato
Micro farming situation	Irrigated
Details of technology identified for solution	T ₁ : Farmers practice (5% Boric acid)
	T ₂ : Seed treatment with Trichoderma (10 gm/litre water)
	T ₃ : Seed treatment with Trichoderma 10 gm/litre water + Soil treatment with Trichoderma 5 kg/ha + 50kg FYM in ha
No. of farmers	3
Replications	3
Critical inputs	Bio
Production system	Early Cauliflower-Potato -Okra
Source of technology	-
Total Cost	4000
Observation to be recorded	Infestation % Weight of / Fruit Yield (q/ha) B.C. ratio
Reaction of the farmers	Profitability and Acceptability by the farmers

OFT-8

Particulars	Contents
Crop/Enterprise	Tomato
Title	Assessment of Suitable dose of Boron in Cauliflower
Problem diagnosed	Poor quality yield of Tomato (Cracking)
Micro farming situation	Irrigated
Details of technology identified for solution	T ₁ : Farmers practice (No use of Boron)
	T ₂ : Boron Power @10 kg/ha.
	T ₃ : Boron Power @20 kg/ha.

No. of farmers	5
Replications	5
Critical inputs	Chemical
Production system	Cauliflower-Potato – Water Melon
Source of technology	-
Total Cost	6000
Observation to be recorded	Weight of / Fruit Yield (q/ha) B.C.ratio
Reaction of the farmers	Profitability and Acceptability by the farmers

OFT- 9

Particulars	Contents
Crop/ Enterprise	Gram and Groundnut
Title	Impact of gram and ground nut chikki to combat Protein Energy Malnutrition among pre-school children
Problem Identified	Protein Energy Malnutrition among preschool children
Thematic Area	Women and child care
Name and Character of Technology	Locally available nutrient efficient diet
Source of technology	CSAU Kanpur and NIN Hyderabad
Farmers Practice T ₁	Daily Diet No use of supplementary Food
Recommended Practice T ₂	Baal Ahar provided by Aanganwadi
T ₃	Red Gram+ Groundnut+ Jaggery Chikki (100 gm serving/ day/ child)
No. of Replication	15 Children
Observations: Technical:	Pre and Post Nutritional Assessment (Sensory Evaluation) Height Weight BMI Hair /Skin/ Texture Colour of Eyes Arm and chest Circumference
Economical: Social :	Affordability Acceptability Feed back

OFT- 10

Particulars	Contents
Title	Efficiency assessment of twin wheel hoe for weeding in wheat and Bengal gram
Problem diagnosed	Drudgery involved in weeding activity
Production system and thematic area	Location specific drudgery reduction technologies
Farmers' Practices	Use of Sickle (Traditional/ improved)
Details of technology identified for solution	T1- Twin Wheel hoe
No. of farmer	15 (3 replications of 5 each)
Critical inputs	Twin wheel hoe
Source of technology	Central Institute of Agriculture Engineering Bhopal (MP)
Total Cost	7000
Observation to be taken	Reduction in overall drudgery
Performance indicators:	
i. Technical	1.Physiological cost of work 2.Energy Expenditure 3.Change in Grip Strength 4.Musculoskeletal Discomfort perceived 5.Time taken / m ²
ii. Economical	Saving in wages
iii. Social	1.Acceptability 2.Attitude towards technology

OFT- 11

1.	Crop/Enterprise	-	Buffalo
2.	Title of on-farm trial	-	Assessment of feed in buffaloes
3.	Problem diagnosed	-	Low milk production and poor health of buffaloes due to imbalance ration
4.	Farming situation	-	
5.	Production system and thematic area	-	Dairy management and Dairy production
6.	Farmers' Practices	-	Imbalance feeding
7.	Details of technologies selected for assessment/refinement	-	T ₁ Farmer practice (Imbalance feeding)
			T ₃ Balance feeding as per body weight + 50g Shatavari powder
8.	Source of technology	-	NDRI, Karnal

9.	No. of animals	-	8
10	Critical Input	-	Shatavari Powder
11	Performance indicators		
	(i) Technical		1. Weight gain 2. Milk productivity
	(ii) Economic		1. Additional cost, 2. Additional profit 3. C:B ratio
	(iii) Social		Feedback and farmer's reaction

OFT- 12

1.	Enterprise	-	Cow / Buffalo
2.	Title of on-farm trial	-	Management of mastitis in buffaloes
3.	Problem diagnosed	-	High incidence of mastitis disease in dairy cows resulting in lower productivity and profitability of dairying
5.	Production system and thematic area	-	Dairy management and Dairy production
6.	Farmers' Practices	-	Washing of udder is washed with fresh water and application of turmeric paste after milking
7.	Details of technologies selected for assessment/refinement	-	T ₁ Farmer practice (Turmeric paste)
			T ₃ Use of pendistrin-SH(Procaine penicillin, Streptopenicillin) administration by intra mammary infusion at once for each teat of udder at 7-8 months of pregnancy (Recommended practice)
8.	Source of technology	-	IVRI, Izzatnagar
9.	No. of animals	-	8
10	Critical Input	-	Pendistrin-SH
11	Performance indicators		
	(i) Technical		1. No. Of cure animal
	(ii) Economic		1. Additional cost,

			2. Additional profit 3. C:B ratio
	(iii) Sociel		Feedback and farmer's reaction

OFT- 13

1.	Enterprise	-	Agricultural Extension Method (For All seasons)
2.	Title of on-farm trial	-	Comparative analysis of effectiveness of extension personnel mediated extension (Knowledge transfer by goshies, groups meetings etc) V/S ICT mediated extension (Whatsapp, Facebook groups etc)
3.	Problem diagnosed	-	a. Less numbers of extension agents per unit of farmers group. b. Costly extension personnel mediated extension per unit information dissemination
4.	Farming situation	-	Irrigated
5.	Farmers' Practices	-	Passive receiver of the information available from information environment
7.	Details of technologies selected for assessment/refinement	-	T ₁ Farmers practice (Passive receiver of the information available in the information environment)
			T ₃ : Learning through ICT mediated extension
8.	Source of technology	-	Available literature
9.	No. of farmers	-	25
10	Critical Input	-	ICT tools
11	Performance indicators		
	(i) Technical		Gain in knowledge, skills acquired and attitude changed
	(ii) Economic		Cost per unit of information gain/ knowledge enhancement
	(iii) Sociel		Feedback and farmer's reaction

OFT- 14

1.	Enterprise	-	Information and communication technology (ICT) Tools
2.	Title of on-farm trial	-	Comparative analysis of effectiveness interactive vs one-way ICT Tools for agricultural information dissemination.
3.	Problem diagnosed	-	Farmers as passive receivers of information

4.	Farming situation	-	Irrigated	
5.	Production system and thematic area	-	Rice/ wheat/ pearl millets/ mustard	
	Farmers' Practices		Passive followers of recommendations delivered by extension agencies	
7.	Details of technologies selected for assessment/refinement	-	T ₁	Farmers practice (passive receivers of information)
			T ₃	Information dissemination through WhatsApp
8.	Source of technology	-	Available literature	
9.	No. of farmers	-	25	
10	Critical Input	-	Internet connection	
11	Performance indicators			
	(i) Technical		Gain in knowledge, skills acquired and attitude changed	
	(ii) Economic		Cost per unit of information gain/ knowledge enhancement	
	(iii) Social		Feedback and farmer's reaction	

OFT- 15

Particulars	Content
Crop/Enterprise	IFS Module for one acre area
Title of OFT	DFI Through IFS module
Problem diagnose	Low income due to Rice Wheat Cropping
Thematic area	Integrated farming system
Farming situation	Irrigated
Farmer's Practice	T ₁ - Existing practice of Rice-wheat cropping
Details of technology selected for assessment / refinement	T ₂ - Crop Production +Vegetables+ Livestock and other allied activities
Source of technology	ICAR-IIFSR, Modipuram, Meerut
No. of farmers	3
Area	1 acre per location
Critical input	Critical Inputs will be provided in participatory mode
Performance indicator	1. Total Income 2. Cost of cultivation (Rs./ha) 3. Net Return (Rs./ha) 4. B:C ratio
Reaction of the farmers	Profitability and Acceptability by the farmers

Detail of Interventions to be taken in targeted farmers field

S.N.	Proposed Intervention in T ₂	Size (ha)
1	Vegetable Cultivation	0.2 Acre
2	Crop Production	0.5 Acre

3	Fodder	0.2 Acre
4	Mushroom (50 m ²)	-
5	Dairy (3 Buffaloes)	-
6	Vegetable Nursery (500 m²)	0.1 Acre
	Total	1 Acre

OFT- 16

1.	Enterprise	-	ICT Tools
2.	Title of on-farm trial	-	Assessment of mobile app Pulse Expert from Farmers perspectives
3.	Problem diagnosed	-	Very less use of mobile apps for accessing information on pulse cultivation
4.	Farming situation	-	Irrigated
5.	Production system and thematic area		Rice/ wheat/green gram/ Chick pea/ lentil/ black gram/ pigeon pea/ green gram
7.	Farmers' Practices	-	Passive receiver of the information sent by different sources
8.	Details of technologies selected for assessment/refinement	-	T ₁ Information accessing from different sources available in the information environment of the farmers
			T ₃ Information accessing from pulse Expert mobile app
9.	Source of technology	-	IIPR, Kanpur
10	No. of farmers	-	25
11	Critical input:(Prerequisites)	-	Smart phone with Internet connection
12	Performance indicators		Degree of easiness in use, Degree of fulfilling the information needs of the farmers, understanding of the message, gain in knowledge, and cost per unit information gain.

3.2 FRONTLINE DEMONSTRATIONS

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

3.2.1. Oilseeds and pulses

Sl. No.	Crop/variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demo.	Parameters identified Yield/ Profit/Other technological parameters
1.	Sesamum((NFSM)	Varietal	Shekhar/Pragati	Seed	Kharif-2023	20	50	Yield, CB ratio
2.	Mustard (NFSM)	Varietal	RH-749	Seed	Rabi-23	30	75	Yield, CB ratio
3.	Pegeon Pea (NFSM)	Varietal evaluation	Narendra-2	Seed	Kharif-2023	10	25	Yield, CB ratio,
4.	Gram (NFSM)	Varietal evaluation	JG-14	Seed	Rabi-2023	20	50	Yield, CB ratio
5.	Green Gram (NFSM)	Varietal	Samrat/Virat	seeds	Zaid 23	10	25	Yield, CB ratio,
Total						90	225	

3.2.2 Other than oilseeds and pulses

Sl. No.	Crop/variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demonstration	Parameters identified Yield/ Profit/Other technological parameters
1	Paddy	ICM	P.H.B.-71, Arize-6444 / +S+Zn	Seed, Zinc & Sulphur	Kharif-2023	10	25	Yield, CB ratio,
2	Paddy	IDM	IDM	Copper hydroxide	Kharif-2023	4	10	Yield, CB ratio,
3	Maize	Varietal evaluation	Hd. Maize	Seeds	Kharif-2023	10	25	Yield, CB ratio,
4	Bajra	Varietal evaluation	Hd. Bajra	Seeds	Kharif-2023	10	25	Yield, CB ratio,
5	Wheat	ICM	K-1317	Seed+Sulphur +Zinc	Rabi-Rabi-23	10	25	Yield, CB ratio,
5	Wheat	IWM	Weedicide	Sulphosalfuron + Metsulfuron	Rabi-23	6	15	Yield, weed population, CB ratio,
7	Maize	Varietal evaluation	Hd. Maize	Seed	Summer 2023	10	25	Yield, CB ratio,
8	Bajra	Varietal evaluation	Hd. Bajra	Seeds	Summer 2023	10	25	Yield, CB ratio,
Total						70	175	

1.2.3 Horticultural crop

Sl. No.	Crop/ variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farm-ers/ demo.	Parameters identified Yield/ Profit/ Other technological parameters
1.	Bottle Gourd	Varietal evaluation	Varad	Seed	Kharif 23	1.0	5	Yield, CB ratio,
2.	Okra	Varietal evaluation	VRO-6/ Sonakshi	Seed	Kharif 23	1.0	5	Yield, CB ratio,
3.	Chilli	Varietal evaluation	NS-1701 DG	Seed	Rabi- 23	0.5	5	Yield, CB ratio,
4.	Chilli	IPM	Propergite 57% (Omite) 2ml + Dimethoate 1ml/lit water	Omite+Rogar	Rabi-23	1.0	5	Yield, CB ratio,
5.	Potato	IDM	First spray with Mancozeb @ 0.2%, Second spray with Sectin (Fenamidone + Mancozeb) @ 0.2%	Sectin+ Mancozeb	Rabi-23	4.0	10	Yield, CB ratio,
6.	Chilli	INM	Sagarika (Growth Regulator)	Chemical	Rabi-23	1.0	5	Yield, CB ratio,
7.	Cauliflower	Varietal evaluation	Shreya(NS-106)	Seed	Rabi-23	0.5	5	Yield, CB ratio,
8.	Cabbage	Varietal evaluation	NS-193	Seed	Rabi-23	0.5	5	Yield, CB ratio,
9.	Tomato	Varietal evaluation	US-2853	Seed	Summer 2023	0.5	5	Yield, CB ratio,
10.	Muskmelon	Varietal evaluation	Kashi Madhu	Seed	Summer 2023	1.0	5	Yield, CB ratio,
11.	Okra	Varietal evaluation	VNR-007	Seed	Summer 2023	0.5	5	Yield, CB ratio,
12.	Water Melon	Varietal evaluation	Madhuri	Seed	Summer 2023	1.0	5	Yield, CB ratio,
Total						12.5	65	Yield, CB ratio,

3.2.4 Fodder crops

Sl. No.	Crop/ variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demo.	Parameters identified Yield/Profit/Other parameters
1.	GREEN FODDER	Feed & fodder	Feed and fodder management	Seed	Rabi, Zaid 2023	2.0	10	Yield, CB ratio,
Total						2	10	

B. Extension and Training activities under FLD

Sl. No.	Activity	No. of activities To be organize	Month	Number of Participants
1	Field days	12	August, Sep, Dec, Feb, March, June	1200
2	Farmers Training	15	May, August, Sep, Feb	250
3	Media coverage	20	Year round	-
4	Training for extension functionaries	6	Pre-seasonal	150

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 input	Performance parameters / Indicators
Cattle (FMD + HS +BQ.vaccination)	Different	50	100	Trio- back vaccine	Protection of animals against FMD &HS
Calves (Application of medicine against parasites)	Different	50	100	Albendazol/ Fenbendazol + Ivermectin	Protection of animals

(iii) Other Enterprises (Home Science)

S.No	Crop/ Enterprise	Thematic Area	Tech. Demonstrated	Season and Year	Critical Input	Area	No.of Demo
1	Kitchen Garden	Household food security by kitchen garden / nutritional gardening	Seeds of vegetable and fruit plants	Rabi 2023	Fruit, Vegetable Plants &	200 m ² each	30

					Seed		
2	Preservative	Value addition of Tomatoes	Sodium Benzoate	Rabi 2023	Sodium Benzoate	---	15
5	Kitchen Garden	Household food security by kitchen garden / nutritional gardening	Seeds of vegetable and fruit plants	Summer 2023	Seed	200 m ² each	15
3	Mushroom Production	Design and development for high nutrient efficiency diet	Oyster	Rabi 2023	Span	---	25
1	Kitchen Garden	Household food security by kitchen garden / nutritional gardening	Seeds of vegetable and fruit plants	Khariif 2023	Fruit, Vegetable Plants & Seed	200 m ² each	30

(iv) Other Enterprises

S.No	Crop/ Enterprise	Thematic Area	Tech. Demonstrated	Season and Year	Critical Input	Area	No.of Demo
3	Mushroom	Mushroom Production	Demonstration of Oyster Mushroom	Rabi 2023	Spawn and other inputs	---	25

TRAINING PROGRAMMES
TRAINING (Including sponsored and FLD training programmes):

A) ON Campus

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
(A) Farmers & Farm Women									
I. Crop Production									
Integrated cropping system	16	144	80	224	64	32	96	320	
Seed production	1	9	5	14	4	2	6	20	
Nursery management									
Water management	1	9	5	14	4	2	6	20	
II. Horticulture									
a) Vegetable Crops									
Prod. of low volume and high value crops	2	18	10	28	8	4	12	40	
Nursery raising	1	9	5	14	4	2	6	20	
Protected cultivation									
b) Fruits									
Layout and management of orchard	1	9	5	14	4	2	6	20	
III. Livestock Production and Management									
Dairy management	3	27	15	42	12	6	18	60	
Disease management	1	9	5	14	4	2	6	20	
Feed management	1	9	5	14	4	2	6	20	
Production of quality animal products	3	27	15	42	12	6	18	60	
IV. Home Science/Women empowerment									
Rural craft									
Storage loss minimization techniques	1		14	14		6	6	20	
Value addition	1		14	14		6	6	20	
V. Plant Protection									
Integrated Pest Management	2	18	10	28	8	4	12	40	
Integrated Disease Management	1	9	5	14	4	2	6	20	
Bio control of pest and diseases	1	9	5	14	4	2	6	20	

VI. Capacity Building and Group Dynamics/ Agril. Extn.								
Formation and management of SHGs	1	9	5	14	4	2	6	20
Group dynamics	1	9	5	14	4	2	6	20
Importance of planning of crops	2	18	10	28	8	4	12	40
TOTAL(A)	40	480	198	578	140	82	222	800
(B) RURAL YOUTH								
Seed production	1	9	5	14	4	2	6	20
Training and pruning of orchard	1	9	5	14	4	2	6	20
Mushroom production	1	9	5	14	4	2	6	20
Poultry production	1	9	5	14	4	2	6	20
Sheep and goat rearing	1	9	5	14	4	2	6	20
Value addition	2	18	10	28	8	4	12	40
Employment generation	3	27	15	42	12	6	18	60
Income generation	2	18	10	28	8	4	12	40
TOTAL(B)	12	108	60	168	48	24	72	240
(C) Extension Personnel								
Productivity enhancement in field crops	3	27	15	42	12	6	18	60
Integrated Pest Management	2	40		40	12		12	40
Protected cultivation technology	2	40		40	12		12	40
Management in farm animals	2	80		80	14		14	80
Livestock feed and fodder production	2	80	0	80	16		16	80
Women and child care	1		14	14		6	6	20
TOTAL(C)	12	267	29	296	66	12	78	320
TOTAL(A+B+C)	64	855	287	1042	254	118	372	1360

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								

I. Crop Production								
Integrated cropping system	11	132	66	228	55	22	77	275
Seed production	1	12	6	18	5	2	7	25
Nursery management								
Water management	1	12	6	18	5	2	7	25
II. Horticulture								
a) Vegetable Crops								
Prod. of low volume and high value crops	5	60	30	90	25	10	35	125
Nursery raising	1	12	6	18	5	2	7	25
III. Livestock Production and Management								
Dairy management	1	12	6	28	5	2	7	25
Disease management	2	24	12	36	10	4	14	50
Feed management	2	24	12	36	10	4	14	50
IV. Home Science/Women empowerment								
Rural craft	1		18	18		7	7	25
Storage loss minimization techniques	3		54	54		21	21	75
Value addition	2		36	36		14	14	50
V. Plant Protection								
Integrated Pest Management	3	36	18	54	15	6	21	75
Integrated Disease Management	3	36	18	54	15	6	21	75
Bio control of pest and diseases	2	24	12	36	10	4	14	50
VI. Capacity Building and Group Dynamics/ Agril. Extn.								
Formation and management of SHGs								
Group dynamics	1	12	6	18	5	2	7	25
TOTAL(A)	40	396	306	844	165	108	273	975

Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I. Crop Production								
Integrated cropping system	27	276	146	452	119	54	173	595
Seed production	2	21	11	32	9	4	13	45
Nursery management								
Water management	2	21	11	32	9	4	13	45
II. Horticulture								
a) Vegetable Crops								
Prod. of low volume and high value crops	9	102	52	154	43	18	61	215
Nursery raising	2	21	11	31	9	4	13	45
Protected cultivation								
b) Fruits								
Layout and management of orchard	1	9	5	14	4	2	6	20
III. Livestock Production and Management								
Dairy management	4	39	21	70	17	8	25	85
Disease management	3	33	17	50	14	6	20	70
Feed management	3	33	17	50	14	6	20	70
Production of quality animal products	9	180	5	185	-	20	20	205
IV. Home Science/Women empowerment								
Rural craft	1		18	18		7	7	25
Storage loss minimization techniques	3		50	50		20	20	70
Value addition	4		68	68		27	27	95
V. Plant Protection								
Integrated Pest Management	5	54	28	82	23	10	33	115
Integrated Disease Management	4	45	23	68	19	8	27	95
Bio control of pest and diseases	3	33	17	50	14	6	20	70
VI. Capacity Building and Group Dynamics/ Agril. Extn.								
Formation and management of SHGs	1	9	5	14	4	2	6	20
Group dynamics	2	21	11	32	9	4	13	45
Importance of planning of crops	2	18	10	28	8	4	12	40
TOTAL(A)	80	876	504	1422	305	190	495	1775
(B) RURAL YOUTH								
Seed production	1	9	5	14	4	2	6	20
Training and pruning of orchard	1	9	5	14	4	2	6	20
Mushroom production	1	9	5	14	4	2	6	20
Poultry production	1	9	5	14	4	2	6	20
Sheep and goat rearing	1	9	5	14	4	2	6	20
Value addition	2	18	10	28	8	4	12	40
Employment generation	3	27	15	42	12	6	18	60

Income generation	2	18	10	28	8	4	12	40
TOTAL(B)	12	108	60	168	48	24	72	240
(C) Extension Personnel								
Productivity enhancement in field crops	3	27	15	42	12	6	18	60
Integrated Pest Management	2	40		40	12		12	40
Mushroom production								
Rejuvenation of old orchard								
Protected cultivation technology	2	40		40	12		12	40
Formation and management of SHGs								
Information networking among farmers								
Management in farm animals	2	80		80	14		14	80
Livestock feed and fodder production	2	80	0	80	16		16	80
Women and child care	1		14	14		6	6	20
TOTAL(C)	12	267	29	296	66	12	78	320
TOTAL(A+B+C)	104	1251	593	1886	419	226	645	2335

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	Fe	Total	Male	Fe	Total
Field Day	14	1000	200	1200	100	30	130	1100	230	1330
Kisan Mela	2	1200	400	1600	150	50	200	1350	450	1800
Kisan Ghosthi	20	1500	350	1750	100	20	120	1600	270	1970
Exhibition	2	800	200	1000	50	30	80	850	230	1080
Method Demonstrations	6			0						0
Group meetings	12	200	50	250	8	2	10	208	52	260
Lectures delivered as resource persons	180		8	15						0
Newspaper coverage	80			0						0
TV talks	50			0						0
Extension Literature	20			0						0
Advisory Services	600	700	250	950	50	10	60	750	260	1010
Scientific visit to farmers field	200	500	150	650				500	150	650
Farmers visit to KVK	1200	700	355	1055				700	355	1055
Diagnostic visits	30	400	50	450				400	50	450
Exposure visits	5	400	55	455	20	25	45	420	80	500
Ex-trainees Sammelan	2	90	48	138	10	2	12	100	50	150
Soil health Camp	4	500	150	650	10	5	15	510	155	665

Animal Health Camp	5	400	100	500	5		5	405	100	505
Soil test campaigns	5	450	100	550	5		5	455	105	555
Farm Science Club meet	4	60	20	80				60	20	80
Self Help Group Conveners meetings	10	100	100	200				100	100	200
Mahila Mandals Conveners meetings	4		100	100					100	100
Total	2455	9000	2523	11523	508	174	682	9508	2702	12360

3.5 Target for Production and supply of Technological products Jan.-2021 to Dec. 2021

1) Seed

Sl.No.	Crop	Vaiety	Quantity (qtl.)
1.	CEREALS	Different	
2.	Paddy	NDR-359	50
3.	Wheat	PBW-502	50

2) Planting materials:-

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS			
1.	Aonla	N-7,N-6,N10	300
2.	Guava	Lalit,,Allahabad Safeda, L-49	300
3.	Papaya	Selection-1, Red lady, Pusa Nanha	600
4.	Banana	G-9	500
VEGETABLES			
1.	Tomato	KT-5	6000
2.	Brinjal	Pusa Purple Round, Pusa Purple Long	5000
3.	Chilli	Pusa Jwala	6000
4.	Cauliflower	Summer King	5000
	Total		23700

Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1	Bio - Manure	Vermi compost		3000
2.	Bio - Manure	Nadep compost		2500

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 started

(B) Literature to be developed /published

Item	Number of copies
Research papers	6
Technical reports	4
News letters	24
Technical bulletins	4
Popular articles	12
Extension literature	14
TOTAL	64

(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	Report Presentation (APR & SAC) presentation	3

3.7.Success stories/Case studies identified for development as a case. (Nos.)- 3-6

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) Production and use of organic inputs
- b) Bio control of pest & diseases
- c) Seed production of pulses and oil seed crops

Rural Youth

- a) Nursery management of horticulture crop
- b) Vermi-culture
- c) Mushroom production
- d) Bee-keeping

In-service personnel

- a) Integrated nutrient management
- b) Production in use of organic inputs
- c) Soil health & fertility management

3.9. Indicate the methodology for identifying OFTs/FLDs

For OFT :

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

For FLD :

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

3.10. Field activities

Details of Villages selected by KVK for intensification of field activities or dictated under 2.7. Some villages were selected under NFSM scheme of cluster demonstrations on oil seeds and pulses, that are mention below-

i. Name of villages with block name (NFSM scheme) – Pulses		
S.No.	Name of Village	Block
1	Hari Ka Purwa	Malasa
2	Girdharpur	Amraudha
3	Sujgawan	Amraudha
4	Shyampur	Sarwankhera
5	Chotapur	Rasoolabad
6	Aurangabad	Maitha
7	Badapua	Rasoolabad
8	Jhamma Niwada	Maitha
9	Puttipurwa	Akabarpur
10	Hara Hara	Amraudha
11	Prempur	Amraudha
12	Kandhi	Rajpur
13	Silhara	Rajpur
14	Simtamau	Rajpur
15	Jagaiyapur	Rajpur
16	Mohammadpur Nivada	Rajpur
17	Phoolpur	Maitha
Name of villages with block name (NFSM scheme) – Oil Seeds		
1	Hari Ka Purwa	Malasa
2	Prempur	Amraudha
3	Hara Hara	Amraudha
4	Aurangabad	Maitha
5	Salempur	Maitha
6	Jhamma Niwada	Maitha
7	Pratappur	Maitha
8	Daleep Nagar	Shivrajpur
9	Kaprahat	Rasoolabad

10	Bakharia	Maitha
11	Rudapur	Maitha
12	Jagaiyapur	Rajpur
13	Silhara	Rajpur
14	Puttipurwa	Akabarpur
15	Phoolpur	Maitha

ii. No. of farm families selected per village :

S.No.	Name of Village	Block	No.of Farm Family
1	Rudapur	Maitha	15
2	Pratappur	Maitha	9
3	Jhamma Niwada	Maitha	15
	Phoolpur	Maitha	15
4	Jyoti jugrajpur	Maitha	6
5	Bakharia	Maitha	5
6	Phoolpur	Maitha	4
7	Aurangabad	Maitha	12
8	Sahtawanpur	Maitha	10
9	Majhiyar	Maitha	7
10	Raipur	Maitha	6
11	Puttipurwa	Akabarpur	10
12	Kurian purwa	Akabarpur	7
13	Manjmau	Akabarpur	6
14	Shyampur	Akabarpur	8
15	Andaya	Akabarpur	5
16	Tigai	Akabarpur	8
17	Shyampur	Sarwankhera	4
18	Ahiranpurwa	Sarwankhera	5
19	Ettaili	Rasoolabad	7
20	Danti	Rasoolabad	5
21	Jyodi	Rasoolabad	4
22	Parjani	Jhinjhak	13
23	Daya ka purwa	Jhinjhak	4

iii. No. of survey/PRA conducted : 2

iv. No. of technologies taken to the adopted villages: 2

v. Name of the technologies found suitable by the farmers of the adopted villages:

1. Lentil variety – KLB- 320.
2. Vermicomposting
3. Wheat variety KRL-210 under Usar condition
4. Rice variety CSR-36 and CSR-43 under Usar condition
5. Tomato variety Namdhari (NS-585)
6. Onion area extended after potato harvesting
7. Area expansion under coriander crop

8. Resource conservation technologies adopted by farmers in vegetable production
- vi. Impact (production, income, employment, area/ technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment of Lab : 2006-07
2. List of equipments purchase with amount

SI. No.	Name of the equipment	Quantity	Cost (Rs)
1	Soil Testing Kit	1	100,000.00
2	Chemicals	4	54000.00

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	3000	3000	40	
Water				
Plant				
Total	3000	3000	40	

4.0 LINKAGES

4.1 Functional linkage with different organizations

SN	Name of organization	Nature of linkage
1.	UPLDC	Conducting training, Gosthi programmes & Kisan Mela
2.	State Agriculture department	Conducting training and Gosthi programmes. Participation in meeting Demonstration and Agriculture fair
3.	Horticulture Department (NHM)	Joint Conducting training and Gosthi programmes. Participation in meeting, Demonstration & Kisan Mela
4.	State Animal Husbandry	Joint conducting training and Gosthi programmes Participation in meeting A.I. and vaccination campaign Agriculture fair
5.	State Soil Conservation dept.	Training
6	IFFCO	Training, Field Day
7	IIPR	Technicacal support/ seed for demonstrations

4.2 Details of linkage with ATMA

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

S. No.	Programme	Nature of linkage	Remarks
1.	Training	Training & Ghosthi	ATAMA running under Agriculture Dept.
2.	Meeting	Participation in meeting	

3.	Farmers' Fair	Agriculture Fair	
4.	Kisan Pathshala	Training, Demonstration	
5.	Demonstrations	Demonstrations on resource management	

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Training	Training & Ghosthi
2	Meeting	Participation in meeting

4.4 Nature of linkage with National Fisheries Development Board --

S. No.	Programme	Nature of linkage
1	State Fisheries Deptt.	Technical Meeting
2		

5. 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	30 ha.	-
	ii. Rabi season	50 ha.	-
	iii. Summer season	10 ha.	-
4	CSISA Project	-	-
5	NICRA Project	-	-
6	Soil Health Card	1000	Soil Testing Kits
7	Other (please specify)		
	Total	90 ha.	1000

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

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

DETAILS OF TRAINING PROGRAMMES (JANUARY 2023 to DECEMBER 2023)

(1) Farmers & Farm women

Date / Month	Clien-tele	Title of the training programme	Durati on in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST			Grand Total
					M	F	Total	M	F	Total	
1. CROP PRODUCTION											
March 23	PF/FW	Production technique of maize in zaid	1	Off campus	17	8	25	5	2	7	25
March 23	PF/FW	Production technology of mung in summer	1	Off Campus	17	8	25	5	2	7	25
April 23	PF/FW	Green manuring for soil health	1	Off campus	17	8	25	5	2	7	25
May 23	PF/FW	Nursery Raising technique of Paddy	1	On campus	13	7	20	4	2	6	20
June 23	PF/FW	Integrated crop management of paddy	1	Off campus	17	8	25	5	2	7	25
July, 23	PF/FW	Integrated crop management of til	1	On campus	13	7	20	4	2	6	20
July, 23	PF/FW	Integrated crop management of kharif pulses	1	On Campus	13	7	20	4	2	6	20
Aug. 23	PF/FW	Weed Management in Paddy	1	On Campus	13	7	20	4	2	6	20
Oct. 23	PF/FW	Integrated crop management of mustard	1	Off campus	17	8	25	5	2	7	25
Sept, 23	PF/FW	Paddy-Gram production technology	1	On Campus	13	7	20	4	2	6	20
Oct. 23	PF/FW	Water mgt. in Rabi crop	1	Off campus	17	8	25	5	2	7	25
Nov 23	PF/FW	Integrated crop management of wheat	1	Off Campus	17	8	25	5	2	7	25
Dec 23	PF/FW	Weed mgt. in rabi crops	1	On Campus	13	7	20	4	2	6	20
Dec. 23	PF/FW	Use of zero tillage for sowing of wheat in low land area	1	On Campus	13	7	20	4	2	6	20
2. Plant Protection											
Jan 23	PF/FW	Use of Neem based insecticides in vegetables	1	On Campus	13	7	20	4	2	6	20
Feb, 23	PF/FW	IPM in summer vegetable crops	1	Off Campus	17	8	25	5	2	7	25
March 23	PF/FW	Management of pest in summer pulses	1	On Campus	13	7	20	4	2	6	20

May 23	PF/FW	Pest and disease management in cucurbits	1	On Campus	13	7	20	4	2	6	20
June 23	PF/FW	IPM in paddy	1	Off Campus	17	8	25	5	2	7	25
July 23	PF/FW	Pest and disease management in pigeon pea	1	Off Campus	17	8	25	5	2	7	25
July 23	PF/FW	Management of insect-pests in Til	1	On Campus	13	7	20	4	2	6	20
Aug. 23	PF/FW	Management of viral diseases of vegetables	1	Off Campus	17	8	25	5	2	7	25
Sept 23	PF/FW	Biological Control of vegetables	1	Off Campus	17	8	25	5	2	7	25
Oct. 23	PF/FW	Management of insect pest in mustard	1	Off Campus	17	8	25	5	2	7	25
Nov 23	PF/FW	IPM in Rabi vegetables	1	Off Campus	17	8	25	5	2	7	25
Dec 23	PF/FW	Safe use of insectic-ides in vegetables	1	On Campus	13	7	20	4	2	6	20
3. Horticulture											
Jan, 23	PF/FW	Improved cultivation technique of Pointed guard	1	Off campus	17	8	25	5	2	7	25
Feb, 23	PF/FW	Lay out and plantation of aonla and guava	1	On campus	13	7	20	4	2	6	20
Feb, 23	PF/FW	Integrated Nutrient Management in Cucurbits	1	On campus	13	7	20	4	2	6	20
March 23	PF/FW	Improved cultivation technique of Okra	1	On Campus	13	7	20	4	2	6	20
April 23	PF/FW	Post Harvest and value addition in Tomato	1	Off Campus	17	8	25	5	2	7	25
May 23	PF/FW	Package & practices of kharif vegetable	1	Off campus	17	8	25	5	2	7	25
June 23	PF/FW	Pre-preparation of New Orchard	1	Off campus	17	8	25	5	2	7	25
June 23	PF/FW	Package and Practices of rainy season Okra Cultivation	1	Off campus	17	8	25	5	2	7	25
July 23	PF/FW	Tomato Cultivation technique for higher yield	1	Off campus	17	8	25	5	2	7	25
Aug. 23	PF/FW	Management technique of vegetable in winter season	1	Off campus	17	8	25	5	2	7	25
Sep, 23	PF/FW	Improved cultivation technique of Chili	1	Off campus	17	8	25	5	2	7	25
Oct. 23	PF/FW	Integrated Nutrient Management in Tomato	1	Off Campus	17	8	25	5	2	7	25

Oct. 23	PF/FW	Integrated Nutrient Management in Brinjal	1	Off Campus	17	8	25	5	2	7	25
Nov 23	PF/FW	Integrated Crop Management in Potato	1	Off Campus	13	7	20	4	2	6	20
Dec 23	PF/FW	Improved cultivation Practices in Broccoli	1	Off Campus	13	7	20	4	2	6	20
4. Soil Science											
Jan, 23	PF/FW	Use of agriculture wastages for composting	1	On campus	13	7	20	4	2	6	20
Feb, 23	PF/FW	Importance of soil testing and technique of soil sampling	1	On campus	13	7	20	4	2	6	20
March 23	PF/FW	Use of Biofertilizers in Zaid crops	1	On campus	13	7	20	4	2	6	20
March 23	PF/FW	Integrated nutrient management in maize and paddy	1	On campus	13	7	20	4	2	6	20
April 23	PF/FW	Use of Liquid fertilizer in paddy	1	On campus	13	7	20	4	2	6	20
May 23	PF/FW	Application of micronutrient in kharif crop	1	Off campus	17	8	25	5	2	7	25
May 23	PF/FW	Foliar application of nutrient in kharif crop	1	On campus	13	7	20	4	2	6	20
June 23	PF/FW	Use balance fertilizers in vegetables	1	On campus	13	7	20	4	2	6	20
July 23	PF/FW	Preparation technique of Vermi and NADEP campost	1	On campus	13	7	20	4	2	6	20
Sep, 23	PF/FW	Patch treatment of usar soil	1	Off campus	17	8	25	5	2	7	25
Oct. 23	PF/FW	Application of chemicals and Biofertilizers in Rabi cereal crops	1	On campus	13	7	20	4	2	6	20
Nov 23	PF/FW	Foliar application of nutrient in wheat crop	1	On campus	13	7	20	4	2	6	20
5. Animal Science											
Jan, 23	PF/FW	Care & management of farm animals during summer	1	1	Off	20	5	25	-	-	-
Feb, 23	PF/FW	HS Vaccination to prevent contagious animal diseases	1	1	On	20	-	20	-	-	-
March 23	PF/FW	Importance of vaccination in farm animal	1	1	Off	20	-	20	-	5	5

April 23	PF/FW	Scientific management of goat	1	1	On	20	-	20	-	-	-
May 23	PF/FW	Control of milk fever in milch animals.	1	1	Off	20	-	20	-	5	5
May 23	PF/FW	Care and management of newly born calf	1	1	On	20	-	20	-	-	-
June 23	PF/FW	Deworming in calves	1	1	On	20	-	20	-	-	-
July 23	PF/FW	Clean milk production techniques	1	1	On	20	-	20	-	-	-
Sept 23	PF/FW	Control of animal parasites	1	1	Off	20	-	20	-	5	5
Oct. 23	PF/FW	Domestic treatments of farm animals	1	1	Off	20	-	20	-	5	5
Oct. 23	PF/FW	Preparation of balanced ration for milch animals	1	1	On	20	-	20	-	-	-
Nov 23	PF/FW	Importance of Feeding mineral mixture in farm animals	1	1	Off	20	-	20	-	5	5
Dec. 23	PF/FW	Application of complete dewormer in cattle	1	1	Off	20	-	20	-	5	5
6.Home Science											
Jan. 23	PF/FW	Value added products of Aonla	2	Off Campus	10	15	25	5	5	10	25
Jan 23	PF/FW	Preservation of leafy vegetables	2	Off Campus	10	15	25	5	5	10	25
Feb. 23	PF/FW	Post harvest management of onion and garlic	2	On Campus	-	20	20	-	5	5	20
March, 23	PF/FW	Scientific storage practices of Rabi cereals	1	On Campus	-	25	25	-	10	10	25
May,23	PF/FW	Layout planning of kitchen garden	1	Off Campus	-	30	30	-	10	10	30
July 23	PF/FW	Hygiene and sanitation practices for healthy living	1	Off Campus	10	10	20	-	5	5	20
July. 23	PF/FW	Preparation of liquid soap/ hand wash	1	Off Campus	10	10	20	-	5	5	20
Aug. 23	PF/FW	Stitching and tailoring of women's garment	3	Off Campus	10	10	20	-	5	5	20
Oct. 23	PF/FW	Candle making and decoration	2	Off Campus	10	20	30	-	15	15	30
Oct. 23	PF/FW	Layout planning and plantation of Rabi vegetables in kitchen garden	1	Off Campus	10	20	30	-	15	15	30
Nov 23	PF/FW	Prevention and	2	On Campus	-	20	20	-	5	5	20

		therapeutic cure of protein-energy malnutrition among children									
Dec. 23	PF/FW	Value added products of pearl millet	2	On Campus	-	20	20	-	5	5	20
7. Agriculture Extension											
Jan. 23	PF/FW	Leadership development	1	On campus	13	7	20	4	2	6	20
April 23	PF/FW	Awareness & care in use of kisan credit card	1	On Campus	13	7	20	4	2	6	20
May,23	PF/FW	Soil sample collection method & importance	1	On Campus	13	7	20	4	2	6	20
June 23	PF/FW	Formation & conduction of Kisan club	1	Off campus	17	8	25	5	2	7	25
July 23	PF/FW	Vermi and Nadep composting	1	On Campus	13	7	20	4	2	6	20
Nov 23	PF/FW	Entrepreneurial development for farmer/youth	1	On campus	13	7	20	4	2	6	20

2. Vocational training programmes for Rural Youth

Date /Month	Crop / Enterprise	Identified Thrust Area	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
Jan, 23	RY	Seed / seedling production	Plant propagation technique in fruits and ornamentals plant	5	13	7	20	4	2	6	20
March, 23	RY	Income Generation	Broiler farming	5	5	-	5	-	-	-	5
April, 23	RY	Income Generation	Goat farming	3	7		7			7	7
Aug , 23	RY	Mushroom production	Mushroom Production Technology	6	13	7	20	4	2	6	20
July 23	RY	Plant Propagation Technique	Propagation of Fruit Plants	2	20	-	20	4		4	20
Aug , 23	RY	Employment generation	Marketing management of vegetables	1	13	7	20	4	2	6	20
Sept. 23	RY	Seed production	Seed production technology of Pulses	4	13	7	20	4	2	6	20
Oct., 23	RY	Value addition	Production Tech. & marketing of seasonal flower	2	20		20	6		6	20
Oct., 23	RY	Income generation	Fruit Processing	5	-	20	20	-	6	6	20

Nov. 23	RY	Income generation	Production & Marketing of NADEP and Vermi-compost	3	13	7	20	4	2	6	20
Nov. 23	RY	Employment generation	Bee keeping	5	13	7	20	4	2	6	20
Dec, 23	RY	Seed Production	Seed Production tech. of Cereals	5	13	7	20	4	2	6	20
Dec.,23	RY	Value addition	Value addition of tomato	5	-	20	20	-	1 2	12	20

iii) Training programme for Extension Functionaries

Date /Month	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST			G.Total
					M	F	Total	M	F	Total	
Jan 23	EF	Management of agricultural wastages for composting	1	On campus	13	7	20	4	2	6	20
March 23	EF	Soil and water conservation technology	1	On campus	13	7	20	4	2	6	20
April, 23	EF	Plantation techniques of new orchards	2	On Campus	13	7	20	4	2	6	20
May 23	EF	Management of animals during rainy season	1	On	40	0	40	8	-	8	40
Jun 23	EF	Use of farm machineries in agriculture	1	On campus	13	7	20	4	2	6	20
July 23	EF	IPM in kharif crops	1	On Campus	20	-	20	6	-	6	20
Aug , 23	EF	Use of liquid fertilizers	1	On campus	13	7	20	4	2	6	20
Sept.23	EF	Use of bio-pesticides in agriculture	1	On Campus	20	-	20	6	-	6	20
Oct., 23	EF	Off season Vegetable cultivation technique	1	On Campus	30	-	30	7	-	7	30
Oct., 23	EF	Clean milk production Techniques	1	On Campus	40	-	40	7	-	7	40
Nov. 23	EF	Fruit Preservation	5	On Campus		20	20	-	6	6	20
Dec, 23	EF	Green fodder production for summer	1	On	40	-	40	7	-	7	40
Dec, 23	EF	Green manuring for soil health	1	On campus	13	7	20	4	2	6	20

ANNUAL ACTION PLAN

KVK-FIROZABAD

(1st Jan., 2023 to 31st Dec., 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
	Office	FAX		
KVK, Hazaratpur, P.O. – Ussaini, Firozabad	05612-276043		kvkfirozabad@rediffmail.com kvkfirozabad@gmail.com	www.firozabad.kvk4.in

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

Address	Telephone		E mail	Website
	Office	FAX		
Directorate of Extension, CSAUA&T, Kanpur-208002	0512-2534155	0512-2533808	directcsau@gmail.com	Under process

1.2.b. Status of KVK website : <http://atarikanpur.icar.gov.in>

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


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

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Tej Prakash	05612-276043	09412527056	kvkfirozabad@rediffmail.com

1.4. Year of sanction: 2005

1.5. Staff Position (as a 1 Jun. 2021)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent / Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	1	Dr. Tej Prakash	Head	AH	14420-21820-0 Level-14	205600	15.11.1991	P	OBC	09412527056	kvkfirozabad@rediffmail.com	

2	1	Dr. Jitendra Singh	Professor	Ext..	131400-210800 Level-13A	204100	17.10.1992	P	OBC	9457008275	Js.csau@gmail.com	
3	1	Dr. Ashish Kumar Shrivastav	Professor	Agromony	131400-217100 Level-13A	192900	31.10.1992	P	GEN	9452963913	Ashishcsau1966@gmail.com	
4	1	Dr. Asha Yadav	Sr.Scientist	H.Sc	131400-210800 Level-13A	192900	25.11.1991	P	OBC	9411465585	Asha.csau@gmail.com	
6	1	Dr. Omkar Singh Yadav	Scientist	AH	68900-205500 Level-11	92600	11.04.2008	P	OBC	9412458331	okyadav@gmail.com	
7	1	** Sri Subhash Chandra	Scientist	Horti.	68900-205500 Level-11	87300	25.04.2008	P	Other	9412591679	Subhashchandrakvk1@gmail.com	
8	1	Sri Rajesh Kumar Dwivedi	Computer Programmer		47600-151100	72100	22.09.2001	P	Other	7379133833	rkdwivedinetcentre@gmail.com	
8	1	Shri Nagendra Pratap Singh	Stenographer		47600-151100 Level-8	72100	31.01.1992	P	GEN	8726384568	Nagensra.singh.0218@gmail.com	
9	1	Sri Bajrangi	Jeep Driver	-	35400-112400	38100	07.05.2005	P	OBC	9207661982		
10	1	Ramesh Chandra	Attend.		29200-92300 Level-5	29300	01.08.2008	P	GEN	7234037336		
11	1	Sri Amit Kumar	Attend.	-	18000-56900	20300	12.04.2017	P	OBC	8791752427		
12	1	Vacant	Train. Asstt.	Soil Lab		-	-	-	-	-	-	-
13	1	Vacant	Prog Asstt	Computer		-	-	-	-	-	-	-
14	1	Vacant	Farm Manager			-	-	-	-	-	-	-
15	1	Vacant	Accountant / Superintendent									
16	1	Vacant	Tractor Driver									

**** Sri Subhash Chnadra Scientist, Horticulture Ph.D. study leave from 28 September 2019 (three year)**

1.6. Total land with KVK (in ha) : 20.00 ha. (not defined and uncultivated)

S. No.	Item	Area (ha)
1	Under Buildings	0.11
2.	Under Demonstration Units	0.10
3.	Under Crops	0.80
4.	Horticulture	-
5.	Pond	0.08
6.	Others if any	-

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	2020	378.00	-	Oct. 2008	378.00	Complete
2.	Farmers Hostel	ICAR		412.55		May 2008	412.55	Complete
3.	Staff Quarters (6)	ICAR	2020	323.00	-	May 2008	323.00	Complete
4.	Demonstration Units (2)	ICAR	2020	159.00		Oct. 2008	159.00	Completed
5	Fencing	ICAR						Uncompleted
6	Rain Water harvesting system	ICAR						-
7	Threshing floor	ICAR						--
8	Farm godown	ICAR	2020	54.0		Oct. 2008	54.0	Completed
	Other							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero Jeep (UP-78 FS-1038)	2019	800000.00	38500.00	Good condition
Tractor	2005	--	--	Good condition
Motor cycle	2010	49000.00	78775	Good condition
Cycle Hercules	2011	3500.00	--	Repairable

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Computer (HCL)	April, 2009	27140.00	Working condition
Printer (Konica Minolka)	April, 2009	22086.00	Not working
Printer (HP)	March, 2010	4949.00	Not working
Printer laserjet M1136 (HP)	March, 2012	15000	Working condition
Camera Codak digital	March 2012	6600	Battery not working
Handy cam Sony	March, 2012	19990.00	Working condition

Canon printer (MP287)	May 2013	4200	Not Working
Camera Sony	March 2014	7200	Not Working condition
Lap Top Dell VOSTRO	March 2014	39000	Working condition
Biometrics	March 2014	20000	Not Working
Desktop computer (acer)	March 2016	40425	Good condition
Multimedia Projector W x GA 3000 (Luminus Epson)	March 2016	33835	Good condition
Projector screen 6 x 4 self locked (Librity Wall meult)	March 2016	4500	Good condition
Canon Pixma inkjet printer	February 2017	10800	Good condition
Lap Top HP	December 2020		Good condition
Printer laserjet M1136 (HP)	December 2020		Good condition

D) Farm machinery / Implements:

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Straw reaper cum trolley	21.10.2011	329200	Transfer to Groundnut research station, Manipuri
Zero Till seed cum fertidril 11 rows	20.3.2012	47500	Good condition
Tractor operated laser guided land leveler	10.4.2012	350000	Need repair
Rotavator	12.2.2012	59000	Repairable
Rotary Tiller Trailing W Box	28.1.2012	59000	Good
Direct Paddy drum seeder (8 Rows)	26.3.2013		Good condition
N.B Plough reversible to bottom	29.09.2018	170600	Tarsfar to kvk Raibareli
Shrub Mater 5 feet	15.09.2018	51520	Tarsfar to kvk Raibareli
Happy Seeder	02.11.2018	142000	Tarsfar to kvk Raibareli
Hedge cutter	17.03.2019	16250	Tarsfar to kvk Raibareli

1.8. A). Details of SAC meetings to be conducted in the year 2023

Sl.No.	Date
1. Scientific Advisory Committee	Oct

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, AH & Horticulture

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

a) Soil type

Sl. No.	Agro-climatic Zone	Characteristics
1	South-western Semi Arid	The soil are alluvial in with slight sandy in nature and moderate

Zone	alkaline. The temp. of the district is about 24°C. The average annual rainfall is around 500 mm. The major crops of the district are paddy, Bajra, maize, wheat, garlic, chillies, urd and moong.
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b) Topography

S. No.	Agro ecological situation	Characteristics
1	Tundla, Firozabad, Narkhee	Sandy loam. Low in fertility, tube well irrigated with brakish water
2	Shikohabad, Madanpur, Eka	Ranges from loam to sandy loam, low in fertility, tube well and canal irrigation.
3	Hathvant, Araon, Jasrana	Loam, sandy loam and claying in nature, fertile, tube well and canal irrigation with some area affected from salts.

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Sandy soil	Poor in fertility, well drained	100320.00
2	Loam soil	Well drained, fertile with patches of salts affected soil	60122.00
3	Clay loam	Low in fertility, water lodged and poor in drained	20112.00

2.4. Area, Production and Productivity of major crops cultivated in the district (2021-22)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
Kharif (2022)				
1.	Paddy	23264	59044	25.38
2.	Maize	7820	23921	30.59
3.	Bajra	74376	184575	24.82
4.	Urd	411	205	4.99
5.	Moong	129	460	3.57
6.	Arhar	1166	2196	18.83
7.	Til	1490	57	0.38
8.	Ground nut	162	417	25.74
9.	Jwar	96	103	10.73
Rabi (2021-22)				
1.	Wheat	93461	960409	38.56
2.	Barley	8203	30206	36.82
3.	Gram	720	1267	17.60
4.	Pea	683	1106	16.19
5.	Lentil	23	26	11.30
6.	Mustard/Toria	13535	25228	18.64
Vegetables and Fruit (2021-22)				
1.	Potato	53550	1444500	250-300
2.	Cabbage	5591	111820	200-300
3.	Pea	410	12300	300-400

4.	Carrot	170	6800	400-450
5.	Radish	90	2700	300-350
6.	Tomato	415	18675	450-500
7.	Chilli	4850	121250	200-250
8.	Coriander	125	875	70-80
9.	Fenugreek	35	245	70-80
10.	Onion	305	9150	300-350
11.	Bottle Gourd	550	13750	250-300
12.	Sponge Gourd	650	13000	200-250
13.	Bitter Gourd	450	9000	200-250
14.	Cucumber	842	25260	300-350
15.	Water Melon	800	22400	280-300
16.	Musk Melon	1200	30000	250-280
17.	Garlic	5591	111820	200-300
18.	Simila Mirch	4550	113750	250-300
19.	Colocassia	149	2980	200-250
20.	Spinach	110	2200	200-250
21.	Sweet Potato	220	4400	200-250
22.	Ribs Gourd	350	8750	250-280
23.	Papaya	28	1120	400-450
24.	Ber	301	6020	200-220
25.	Alum	15	105	70-80
26.	Mango	578	23120	400-450
27.	Aonla	232	5800	250-300
28.	Leman	120	3600	300-350
29.	Banana	35	1225	300-400
30.	Guava	585	16380	400-450

Source: District agriculture department.

2.5. Weather data (2021-22)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)
		Maximum	Minimum	
January, 2022	8	22.2	9.8	55
February, 2022	12	26.1	12.8	50
March, 2022	10	33.1	18.5	32
April, 2022	6	39.5	26	19
May, 2022	5	43.3	31	17
June, 2022	90.8	42.3	32.7	29
July, 2022	160	42.3	29.8	56
August, 2022	144	34.4	27.8	67
September, 2021	10.84	34	24	72
October, 2021	0.00	34	19	61
November, 2021	16.14	29	13	64

December, 2021	0.00	24	09	70
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2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
Crossbred	8660		
Indigenous	20977		
Buffalo	152335		
Sheep	14228		
Goats	95210		
Pigs	25729		
Crossbred	620		
Indigenous	25109		
Rabbits			
Poultry			
Hens	40450		
Desi	10025		
Category	Area	Production (Q.)	Productivity
Fish (Reservoir)	457.423	1375 mt	30.05 qt/ha

2.7 Details of Operational area / Villages

S.N.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Firozabad	Firozabad	Fulaichi, Gudao, , N. Khar, Ulao, Usaini, Rupaspur, Nagla Mavasi, Undhani, Hamirpur, nagla Chironji, Peetambarh, Alahdadpur, Nagau, Nagla Harish Chand and Nagla Hansi	Natural Farming Bajra, potato, wheat, mustard	1. Imbalance use of fertilizer in wheat crop. 2. Over dosing of fertilizer in potato. 3. Black scarp, early and late blight in potato crops.	1. Integrated Plant Nutrient Management 2. Recommended dose of fertilizers. 3. Integrated disease management.
2.	Shikohabad	Shikohabad	Karanpur, Tatarpur, Asharawali, Muwarakpur, G. dansey, Nasirpur, Dahini, Rudhau, Atapur, Govindpur, Gagai	Natural Farming Potato, wheat, garlic, paddy, bajra, mustard,	4. Micro nutrients (Zn, S, Bo, & Mo) deficiency in soil.	4. Application of micronutrient according to soil test.
3.	Jasarana	Jasrana, Hathwant, Eka	Salempur, Kutubpur, Hamirpura, Kataina Harsa, Santhi Banipur Bahat, Muhammadpur, Kheria, Katana, , paliya khurd, Nagla Bali, Nagla Gaju, Nagla Muhari, Fatehpur, Utarara, Nagla Jaiya, Hardaspur, Thanumai	Natural Farming Paddy, wheat, bajra, potato, Tomato	5. Unavailability of quality seeds. 6. No use of Bio-fertilizer. 7. Weeds infestation in paddy and Garlic.	5. Quality seed production. 6. Promotion of bio-fertilizers. 7. Integrated weed management.
4.	Tundla	Tundla, Narkhi	N.Udai, Kutukpur, Jarkhi, Asan, Tikari, Hazratpur, Bankat, Husainpur, Kheria, Mohammadabad, Bachganv, Madawali,	Natural Farming Wheat, potato, mustard, bajra, till, cauliflower, Brinjal, Shimla Mirch	8. Mortality of buffalo calves. 9. Sterility of animals.	8. Deworming and proper colostrums feeding of calves. 9. Balance feeding of

			Chulhawali, Narkhi, SriRam Garhi, Dinoli, Bheekanpur, Nagla Koom, Nagla Ballu, Gari Bhau, Siroliya, Rampur, Asan		10. Lack of green fodder. 11. Awareness of Natural Farming	animals. 10. Promotion of green fodder in whole year. 11. Awareness of Natural Farming
5.	Sirsaganj	Araon, Madanpur	Kishrano, Nagla Radhey, Kaprawali, Pindsara, Tatarpur, Singemai, Sothara, Dharmai, Omari, Nagla Bagh, Nagla Hal	Natural Farming Potato, Tomato, Cabbage, Bajra, Maize, Urd, Moong		

2.8 Priority thrust areas

S. No	Thrust area
1.	Soil health and water management.
2.	Integrated plant nutrient management.
3.	Integrated pest management.
4.	Integrated disease management.
5.	Integrated weed management.
6.	Seed treatment with fungicides, insecticides & Rhizobium culture.
7.	Quality seed production.
8.	Inadequate knowledge and adoption about improved technology.
9.	In-situ crop residue management.
10.	To introduce improved varieties of fruits & vegetables.
11.	Animal nutrition and disease management
12.	Natural Farming

(A) TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)	(2)	(3)	(4)
Number of OFTs	Number of Trials	Area (ha)	Number of Farmers
08	30	FLD 18.64	57
		CFLD 160	400
		Animal 600	200
Training		Extension Activities	
(3)	(4)	(5)	(6)
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2390	200	4500

Seed Production (Qtl.)	Planting material Production (Nos.)	Vermi Compost Production. (Qtl.)	Soil Samples analyzed (Nos.)	Development of Soil Health Cards (Nos.)
(5)	(6)	(7)	(8)	(9)
-	2000	15	300	300

Quality seed distributed (q)	No. of saplings distributed (Nos.)	No. of fingerlings distributed (Nos.)	No. of livestock & poultry strains distributed (Nos.)
(10)	(11)	(12)	(13)
-	20000	-	100

3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Soil & Water conservation	Sesamum	Drought spell		Introducing of high yielding variety of til	Cultivation of Sesamum in drought condition	Cultivation of Sesamum in drought condition	Field days	Seed
2	IPNM	Wheat, Mustard,	Imbalance fertilizer and more cost of cultivation Low yield due to old variety	Nutrient management	HYV in wheat and Mustard HYV, IPNM	IPNM in wheat and mustard crop	IPNM in wheat and mustard crop	Field days	Seed
3	IWM	Paddy, Maize and wheat	Low yield of Paddy		Weed management in Paddy	Weed management in Paddy	Weed management in Paddy	Field days	Weedicides and seed
4	Improved varieties of fruits and vegetables	Kheera, Brinjal, Shimla Mirch and Potato	Using no suitable varieties	Assessment of variety Potato and Garlic	Cultivation of vegetables crop	Vegetable production	Vegetable production	Field days and Kisan goshies	Seedling, planting materials of improved varieties
5	Green and black gram production	Black gram, green gram	Low yield due to Yellow mosaic		Moong and Urd production technology	Production technique of Urd & Moong	Production technique of Urd & Moong	Field day	Seed
6	Natural Farming	Cereal, oilseed, Pulses & Vegetable	High cost of cultivation and poor quality of Produce	Natural Farming	Natural Farming	Natural Farming	Natural Farming	Field days and Kisan goshies	Jeevamrit, Beejamart, Ghanjivamrit
7	Cropping System	Cereal, oilseed, Pulses & Vegetable	Low Income	Cropping System	Cropping System	Cropping System	Cropping System	Field days and Kisan goshies	Seed
8	Animal nutrition and disease management	Buffalo and goat	Occurrence of HS disease and end parasites	Assessment of Conventional and by-pass Animal Feed to enhancing Milk Yield. Assessment of UMMB animal feed supplementation to control the infertility.	Vaccination of buffalo Deworming and PPR vaccine	Balanced ration for milch buffaloes and goats Disease management Dairy & poultry farming	Balanced ration for milch buffaloes and goats Disease management Dairy & poultry farming	Vaccination and deworming and animal camp, field day	Vaccine, dewormer
9	Kitchen gardening	Kitchen gardening	Fresh and nutritional vegetable	-	Kitchen gardening	Kitchen gardening	Kitchen gardening	Field days	Seed and plant materials

3.1 Technologies to be assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation					1				1	2
Seed / Plant production										
Weed Management										
Integrated Crop Management	1									1
Integrated Nutrient Management						1				1
Integrated Farming System	1									1
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
Women health care	1									1
TOTAL	3				1	1			1	6

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
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										
TOTAL										

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder	1	1						2

Small Scale income generating enterprises								
TOTAL	1	1						2

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

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

On Farm Testing

OFT - 1

1.	Crop/Ente-prise	:	Paddy
2.	Title of on-farm trials	:	Natural Farming in Paddy Crop
3.	Problem diagnose	:	Continuous use of Unbalanced use of Fertilizer.
4.	Farming situation	:	Irrigated
5.	Thematic Area	:	Natural Farming
6.	Details of technologies selected for assessment:		
	Treatments: T ₁ – Farmers' practice : (Conventional Method) T ₂ – Use of Deshi Cow base Products (Beejamrit, Jeevamrit, GhanJeevamrit, Neemashrat and Thas parniya leaf Ark.		
7.	Source of technology	:	CSAU&T, Kanpur
8.	Number of farmers	:	3
9.	Duration	:	Kharif Season 2023
10.	Critical input	:	1. Seed 2. Chemical Fertilizer 3. Deshi Cow base Products (Beejamrit, Jeevamrit, GhanJeevamrit, Neemashrat and Thas parniya leaf Ark.
11.	Performance of the Technology with performance indicators		
12.	Observation to be recorded	:	Technical Data 1. Soil Analysis 2. Yield-q/ha. 3. Cost of Cultivation 4. Net Profit 5. B.C Ratio

OFT - 2

1.	Crop/Ente-prise	:	Bajra-Potato-Maize Cropping System
2.	Title of on-farm trials	:	Bajra-Potato-Ground Nut Cropping System
3.	Problem diagnose	:	Bajra-Potato-Maize Cropping System are highly Fertilizer and Water Require System so that Cost of Cultativation

			also in Bajra-Potato-Maize Cropping System Increase.
4.	Farming situation	:	Irrigated
5.	Thematic Area	:	Cropping System
6.	Details of technologies selected for assessment:		
	T-1 Farmers Practice- Bajra-Potato-Maize Cropping System T-2 Bajra-Potato-Ground Nut Cropping System		
7.	Source of technology	:	CSAU&T, Kanpur
8.	Number of farmers	:	3
9.	Duration	:	Kharif Season 2022
10.	Critical input	:	Seed
11.	Performance of the Technology with performance indicators		
12.	Observation to be recorded	:	Technical Data 1. Yield-q/ha. 2. Cost of Cultivation 3. Net Profit 4. B.C Ratio

OFT-3

1.	Crop/Enterprise	:	POTATO
2.	Title of on-farm trials	:	Assessment of high yielding variety of potato
3.	Problem diagnose	:	Low Production due to old variety of potato
4.	Farming situation	:	Irrigated
5.	Thematic Area	:	Production and management technology.
6.	Details of technologies selected for assessment/refinement :		
	Treatments: T ₁ – Farmers’ practice : KUFRI BAHAR(3797) T ₂ – KUFRI MOHAN T ₃ - KUFRI SURYA		
7.	Source of technology	:	CPRI,SHIMLA
8.	Number of farmers	:	03
9.	Critical input	:	Tuber (seed)
10.	Performance of the Technology with performance indicators		
	Technical	:	Yield (q/ ha)
	Economics	:	Gross return (Rs./ha) Net return (Rs./ha) Cost benefit ratio
	Social	:	Acceptability and Farmers reaction

OFT- 4

1.	Crop/Enterprise	:	Guava
2.	Title of on-farm trials	:	Nutrient management in Guava orchard
3.	Problem diagnose	:	Low yield and small size of fruits due to deficiency of nutrients
4.	Farming situation	:	Irrigated
5.	Thematic Area	:	Management of young plants/ orchards
6.	Details of technologies selected for assessment:		
	Treatments: T_1 – Farmers’ practice (No use of nutrient) T_2 – NPK 350:280:210 gm+ Zinc sulphate 350 gm per plant as basal dose + 2 foliar spray of Borax @ 5 gm/litre of water in the month of July and September.		
7.	Source of technology	:	CISH, Lucknow
8.	Number of farmers	:	03
9.	Critical input	:	NPK, zinc sulphate and Borex
10.	Performance of the Technology with performance indicators		
	Technical	:	Size of fruit Yield/plant
	Economics	:	C:B Ratio
	Social	:	Acceptability and farmers reaction.

OFT - 5

1.	Crop/Ente-prise	:	Garlic
2.	Title of on-farm trials	:	Assessment of High Yielding Variety of Garlic
3.	Problem diagnose	:	Low yield of Garlic due to use of Local Variety
4.	Farming situation	:	Irrigated
5.	Production system and thematic area	:	Production and management technology.

6.	Details of technologies selected for assessment/refinement :		
	Treatments: T ₁ – Farmer’s practice (Grow unidentified Local Variety) T ₂ – G-404 (High yielding newly released variety from NHRDF, Karnal)		
7.	Source of technology	:	NHRDF, Karnal
8.	Number of farmers	:	4
9.	Critical input		Seed (Clove)
10.	Performance of the Technology with performance indicators.		
	Technical	:	Size of bulb and clove Yield (q/ha)
	Economics	:	C:B Ratio
	Social	:	Acceptability and farmers reaction.

OFT - 6

1.	Crop/Ente-prise	:	Multi Grain Flour
2.	Title of on-farm trials	:	Assessment of Multi Grain Flour for batter health of Rural Women.
3.	Problem diagnose	:	Health deterioration of farm women due to low nutrient feeding.
4.	Farming situation	:	-
5.	Production system and thematic area	:	Designing and development for high nutrient efficiency diet.
6.	Details of technologies selected for assessment/refinement :		
	Treatments: T ₁ – Traditional practice (Wheat Flour) T ₂ – Multi Grain Flour (Wheat flour 65%+ Gram flour 15%+ Sorghum flour 10%+ Pearl millet 10 %)		
7.	Source of technology	:	CSAUA & T, Kanpur
8.	Number of farm Women	:	4
9.	Duration	:	6 month
10.	Critical input		Multi Grain Flour

11.	Performance of the Technology with performance indicators.		
	Technical	:	Observation to be recorded
	Social	:	<ul style="list-style-type: none"> • Weight • Hemoglobin Level
			Acceptability and farm women reaction.

OFT – 7

1.	Crop/Enterprise	:	Buffalo
2.	Title of on-farm trials	:	Assessment of Conventional and bye-pass Animal Feed to enhancing Milk Yield.
3.	Problem diagnose	:	Low milk yield and Income due to Conventional ration feeding.
4.	Farming situation	:	Mixed farming
5.	Thematic Area	:	Dairy Nutrient management
6.	Details of technologies selected for assessment:		
	Treatments: T ₁ – Farmers' practice : (Conventional feeding) T ₂ – Use of bye-pass animal Feed @ 4 Kg/day/animal		
7.	Source of technology	:	IVRI, Izatnagar Bareilly
8.	Number of farmers/poultry	:	5
9.	Duration	:	90 days
10.	Critical input	:	bye-pass animal Feed
11.	Performance of the Technology with performance indicators		
12.	Observation to be recorded	:	<ol style="list-style-type: none"> 1. On set of estrous period 2. Milk yield 3. Concentrate saving 4. B.C Ratio
13.	Total Cost	:	Rs 28000

OFT – 8

1.	Crop/Enterprise	:	Buffalo
2.	Title of on-farm trials	:	Assessment of UMMB animal feed supplementation to control the infertility.
3.	Problem diagnose	:	High incidence of infertility in Buffalo.
4.	Farming situation	:	Mixed farming
5.	Production system and thematic area	:	Dairy Nutrient management
6.	Details of technologies selected for assessment/refinement :		
	Treatments: T ₁ – Farmers' practice : (Use of Common Salt) T ₂ – Use of UMMB @ 1 Brick for 7 days/animal.		
7.	Source of technology	:	IVRI, Izatnagar, Bareilly
8.	Number of farmers	:	5
9.	Duration	:	60 day
10.	Critical input	:	UMMB
11.	Performance of the Technology with performance indicators		
12.	Observation to be recorded	:	<ul style="list-style-type: none"> • Conception rate • Milk Yield lit./day • Estrous cycle regularity • B.C Ratio
13.	Social	:	Acceptability and 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/ demonstration	Parameters identified
1	Paddy	Sugandha-5	Introduce of scented rice	<ul style="list-style-type: none"> IWM IDM 	Seed, Nomini gold and fungicide	Kharif-23	5.0	12	Weed & disease infestation % and yield
2	Wheat	DBW-187 (Karn Vandana)	Wheat production	<ul style="list-style-type: none"> IWM IPNM 	Seed weedicide	Rabi -23	10.0	25	Yield & weed infestation%
3	Garlic	G-282	Garlic production and management Technology	<ul style="list-style-type: none"> IWM IPNM 	Weedicides	Rabi -23	1.0	5	Yield and weed infestation %
4	Pumpkun	Swarna Amrit	Vegetable Production	<ul style="list-style-type: none"> IPNM 	Variety Seed Micro-Nutrients	Zaid-23	1.6	4	Yield & disease infestation
5	Tomato	Swarna Deepti (F ₁)	Vegetable Production	<ul style="list-style-type: none"> IPNM 	Variety Seed Micro-Nutrients	Kharif-23	1.0	5	Yield & disease infestation

Sponsored Demonstration

Crop	Area (ha)	No. of farmers
Maize	1.0 ha.	4.0
Bajra	1.0 ha	4.0
Mustard	1.0 ha	4.0
Vegetable	1.0 ha	5.0

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	05	Oct., March, April	150
2	Farmers Training	03	June, Sep., Oct	100
3	Media coverage	15	Jan-Des	Mass
4	Training for extension functionaries	03	May, June, Oct	60

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
Buffalo	Murrah type/local	110	250	HS Vaccine	Occurrence of disease
Goat	Local / Barbari	40	150	PPR Vaccine	Occurrence of disease
Buffalo/Cow	Crossbred / Murrah type	50	200	Dewormer and Mineral Mixture	Occurrence of disease

(iii) Home Science

Name of the enterprise	Crop	Season and year	No. of farmers	Area (Sqm)	Critical inputs	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated	
							Demon.	Local check
Kitchen Garden	Nutritional Garden	Rabi-23	06	1200	Seed and Nursery	Malnutrition		

A. Cluster demonstration of oilseed and pulses under NFSM (2023-24)

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of Farmer/ Demo.	Parameters identified
1	Urd Bbean	Shekhar-2	Pulse production	• IDM • IPNM	Seed and fungicide bio	Zaid 2023	20 ha.	50	Yield and disease infestation %
2	Moong Bean	IPM 2-3 /Sweta	Pulse production	• IDM • IPNM	Seed and fungicide bio	Zaid 2023	50 ha.	125	Yield and disease infestation %
3	Sesamum	Shekhar/ Tarun	Sesamum production	• IDM • IPNM	Seed and fungicide bio	Kharif-23	20 ha.	50	Yield and disease infestation %
4	Urd Bbean	Shekhar-2	Pulse production	• IDM • IPNM	Seed and fungicide bio	Kharif 2023	10 ha.	25	Yield and disease infestation %
5	Moong Bean	IPM 2-3 /Sweta	Pulse production	• IDM • IPNM	Seed and fungicide bio	Kharif 2023	10 ha.	25	Yield and disease infestation %
6	Mustard	DRMR IJ-31	Oile Seed production	• IDM	Seed and Sulpher	Rabi 2023	50 ha.	125	Yield and disease infestation %

B. Extension and Training activities under Cluster FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	15	Sept., March, May,	400
2	Farmers Training	5	July, Sept., Feb.	235
3	Media coverage	15	April-March	Mass
4	Training for extension functionaries	6	July, Sept., Feb.	400

Training (Including the sponsored and FLD training programmes):

3.3 ON Campus

Thematic Area	No. of Courses	No. of Participants Training						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	30	20	50	15	5	20	70
Resource Conservation Technologies	1	15	10	25	5	5	10	35
Cropping Systems								
Crop Diversification	1	15	5	20	5	-	5	25
Integrated Farming	1	20	10	30	5	5	10	40
Water management	1	15	5	20	5	-	5	25
Seed production	-	-	-	-	-	-	-	-
Nursery management	1	20	10	30	5	5	10	40
Integrated Crop Management	4	65	30	95	20	10	30	125
Integrated Nutrient Management	2	40	20	60	10	10	20	80
Production of organic inputs	3	50	30	80	15	15	30	110
Natural Farming	2	30	20	50	10	5	15	65
Total	18	300	160	460	95	60	155	615
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	1	15	-	15	5	-	5	20
Grading and standardization	1	15	-	15	5	-	5	20
Protective cultivation (Green Houses, Shade Net etc.)								
Total	2	30	-	30	10	-	10	40
b) Fruits								
Cultivation of Fruit	1	15	-	15	5	-	5	20
Rejuvenation of old orchards	1	15	-	15	5	-	5	20
Micro irrigation systems of orchards	1	15	-	15	5	-	5	20
Total	3	45	-	45	15	-	15	60
e) Tuber crops								
Production and Management technology	3	30	-	30	10	-	10	40
f) Spices								
Production and Management technology	1	15	-	15	5	-	5	20
G. Total	9	120	-	120	40	-	40	160
III Soil Health and Fertility Management								
Soil fertility management	1	20	-	20	5	-	5	25
Soil and Water Conservation								
Integrated Nutrient Management	1	20	-	20	5	-	5	25
Total	2	40	-	40	10	-	10	50
IV Livestock Production and Management								
Animal Nutrition Management	4	45	-	45	15	-	15	60
Disease Management	1	15	-	15	5	-	5	20
Feed management	1	15	-	15	5	-	5	20
Production of quality animal products	1	15	-	15	5	-	5	20
Total	7	90	0	90	30	-	30	120
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	3	-	53	53	-	17	17	70

Storage loss minimization techniques	1	5	15	20	-	5	5	25
Total	4	5	68	73	0	22	22	95
TOTAL	43	630	228	858	200	82	282	1140
(B) RURAL YOUTH								
Mushroom Production	2	30	-	30	10	-	10	40
Bee-keeping	2	30	-	30	10	-	10	40
Integrated farming								
Seed production	2	32	8	40	10	-	10	50
Nursery Management of Horticulture crops	1	15	-	15	5	-	5	20
Training and pruning of orchards								
Value addition	2	-	30	30	-	10	10	40
Production of quality animal products	1	10	-	10	5	-	5	15
Dairying	1	10	-	10	5	-	5	15
Sheep and goat rearing	1	10	-	10	5	-	5	15
Poultry production	1	10	-	10	5	-	5	15
Post Harvest Technology	1	-	15	15	-	5	5	20
Tailoring and Stitching								
Rural Crafts	1	-	15	15	-	5	5	20
Other (Natural Farming)	1	16	4	20	5	-	5	25
TOTAL	16	163	72	235	60	20	80	315
(C) Extension Personnel								
Productivity enhancement in field crops	3	50	-	50	15	-	15	65
Protected cultivation technology	2	30	-	30	10	-	10	40
Formation and Management of SHGs	1	-	10	10	-	10	10	20
Management in farm animals	1	15	5	20	5	-	5	25
Livestock feed and fodder production	1	15	-	15	5	-	5	20
Women and Child care	1	-	15	15	-	5	5	20
Other	1	-	20	20	-	5	5	25
TOTAL	10	110	50	160	35	20	55	215
G. Total	69	903	350	1253	295	122	417	1670

3.4 OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Cropping Systems	1	20	10	30	5	5	10	40
Integrated Crop Management	1	15	15	30	10	5	15	45
Integrated Nutrient Management	1	20	10	30	5	5	10	40
Others (PI Specify)	3	50	25	75	15	10	25	100
Total	6	105	60	165	35	25	60	225
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	4	45	-	45	15	-	15	60
Nursery raising	1	15	-	15	5	-	5	20
Exotic vegetables like Broccoli	1	15	-	15	5	-	5	20
Total	6	75	-	75	25	-	25	100
f) Spices								
Production and Management technology	2	30	-	30	10	-	10	40
Processing and value addition								
Total	2	30	-	30	10	-	10	40
g) Medicinal and Aromatic Plants								
Nursery management	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-
Total								
III Soil Health and Fertility Management								
Soil fertility management	4	80	-	80	20	-	20	100
Soil and Water Conservation	1	20	-	20	10	-	10	30
Total	5	100	-	100	30	-	30	130
IV Livestock Production and Management								
Dairy Management	1	15	5	20	5	-	5	25
Animal Nutrition Management	1	15	5	20	5	-	5	25
Disease Management	2	30	10	40	10	-	10	50
Feed & Fodder management	3	30	10	40	10	-	10	50
Production of quality animal products								
Total	7	90	30	120	30	-	30	150
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	4	15	45	60	6	9	15	75
Storage loss minimization techniques	1	5	15	20	-	5	5	25
Total	5	20	60	80	6	14	20	100
(C) Extension Personnel								
Productivity enhancement in field crops	1	20	-	20	5	-	5	25
Integrated Pest Management								
Integrated Nutrient management	1	20	-	20	5	-	5	25
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								

Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals	1	15	-	15	5	-	5	20
Livestock feed and fodder production	1	15	5	20	5	-	5	25
Household food security	1	-	15	15	-	5	5	20
Women and Child care	1	-	15	15	-	5	5	20
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Safe grain storage								
TOTAL	6	70	35	105	20	10	30	135
G. Total	34	490	185	675	156	49	205	880

(C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	30	20	50	15	5	20	75
Resource Conservation Technologies	1	15	10	25	5	5	10	35
Cropping Systems	1	20	10	30	5	5	10	40
Crop Diversification	1	15	5	20	5	-	5	25
Integrated Farming	1	20	10	30	5	5	10	40
Micro Irrigation/ Irrigation	1	15	5	20	5	-	5	25
Seed production								
Nursery management	1	20	10	30	5	5	10	40
Integrated Nutrient Management	3	60	30	90	15	15	30	120
Integrated Crop Management	5	80	45	125	30	15	45	170
Fodder production								
Production of organic inputs	3	50	30	80	15	15	30	110
Other (PI Specify) Natural Farming	5	80	45	125	25	15	40	165
Total	24	405	220	625	130	85	215	840
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	4	60	-	60	20	-	20	80
Off-season vegetables								
Nursery raising	1	15	-	15	5	-	5	20
Exotic vegetables like Broccoli	1	15	-	15	5	-	5	20
Export potential vegetables								
Grading and standardization	1	15	-	15	5	-	5	20
Protective cultivation (Green Houses, Shade Net etc.)								
Total	7	105	-	105	35	-	35	140
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit	1	15	-	15	5	-	5	20
Management of young plants/orchards								
Rejuvenation of old orchards	1	15	-	15	5	-	5	20
Export potential fruits								
Micro irrigation systems of orchards	1	15	-	15	5	-	5	20

Plant propagation techniques								
Total	3	45	-	45	15	-	15	60
Production and Management technology	3	30	-	30	10	-	10	40
Processing and value addition	-	-	-	-	-	-	-	-
f) Spices								
Production and Management technology	4	45	-	45	15	-	15	60
Processing and value addition								
Total	7	75	-	75	25	-	20	100
G.Total	17	225		225	75		70	300
III Soil Health and Fertility Management								
Soil fertility management	5	100	-	100	25	-	25	125
Soil and Water Conservation	1	20	-	20	10	-	10	30
Integrated Nutrient Management	1	20	-	20	5	-	5	25
Total	7	140	-	140	40	-	40	180
IV Livestock Production and Management								
Dairy Management	1	15	5	20	5	-	5	25
Animal Nutrition Management	5	60	5	65	20	-	20	85
Disease Management	4	45	10	55	15	-	15	70
Feed & Fodder management	3	45	10	55	15	-	15	70
Production of quality animal products	1	15	-	15	5	-	5	20
Others (Pl specify)								
Total	14	180	30	210	60	-	60	270
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	6	15	98	113	6	26	32	145
Storage loss minimization techniques	3	10	30	40	-	10	10	50
Total	9	25	128	153	6	36	42	195
(B) RURAL YOUTH								
Mushroom Production	2	30	-	30	10	-	10	40
Bee-keeping	2	30	-	30	10	-	10	40
Integrated farming								
Seed production	2	32	8	40	10	-	10	50
Production of organic inputs								
Integrated Farming								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	1	15	-	15	5	-	5	20
Training and pruning of orchards								
Value addition	2	-	30	30	-	10	10	40
Production of quality animal products	1	10	-	10	5	-	5	15
Dairying	1	10	-	10	5	-	5	15
Sheep and goat rearing	1	10	-	10	5	-	5	15
Quail farming								
Piggery								
Rabbit farming								
Poultry production	1	10	-	10	5	-	5	15
Ornamental fisheries								
Para vets								
Para extension workers								

Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology	1	-	15	15	-	5	5	20
Tailoring and Stitching								
Rural Crafts	1	-	15	15	-	5	5	20
Natural Farming	1	16	4	20	5	-	5	25
TOTAL	16	163	72	235	60	20	80	315
(C) Extension Personnel								
Productivity enhancement in field crops	3	50	-	50	15	-	15	65
Integrated Pest Management								
Integrated Nutrient management	1	20	-	20	5	-	5	25
Formation and Management of SHGs	1	-	10	10	-	10	10	20
Management in farm animals	2	30	5	35	10	-	10	45
Livestock feed and fodder production	2	30	5	35	10	-	10	45
Household food security	2	-	35	35	-	10	10	45
Women and Child care	1	-	15	15	-	5	5	20
Other	1	20	-	20	5	-	5	25
Total	13	150	70	220	45	25	70	290
G. TOTAL	100	1288	520	1808	416	166	577	2390

Details of training programmes attached in [Annexure -I](#)

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	20	340	30	370	15	5	15	355	30	385
Kisan Mela	2	400	50	450	20	5	20	420	50	475
Kisan Ghosthi	4	400	40	440	10	5	10	410	45	455
Exhibition	2	120	--	120	-	-	-	120	-	120
Film Show	4	100	50	150	10	5	15	110	55	165
Farmers Seminar	2	80	20	100	10	-	10	90	20	110
Workshop	2	80	20	100	10	-	10	90	20	110
Group meetings	1	20	5	25	-	-	-	20	5	25
Lectures delivered as resource persons	12	250	50	300	25	-	25	275	75	350
Newspaper coverage	70	Mass	-	-	-	-	-	-	-	-
Radio talks	2	Mass	-	-	-	-	-	-	-	-
TV talks	5	Mass	-	-	-	-	-	-	-	-
Popular articles	6	Mass	-	-	-	-	-	-	-	-
Extension Literature	10	Mass	-	-	-	-	-	-	-	-
World Honey Day	1	50	10	60	5	-	5	55	10	65
Scientific visit to farmers field	1	80	5	85	5	-	5	85	5	90
Farmers visit to KVK	1	380	20	400	-	-	-	380	20	400
Diagnostic visits	40	40	-	40	5	-	5	40	5	45
Exposure visits	2	70	30	100	10	10	20	80	40	120
Inter National Women Day	1	10	100	110	5	5	10	15	105	120
Soil health Camp	1	40	10	50	5	-	5	45	10	55
Animal Health Camp	2	80	20	100	10	-	10	90	30	110
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	1	100	-	100	-	-	-	100	-	100
Farm Science Club Conveners meet	1	20	-	20	5	-	5	25	-	25
Self Help Group Conveners meetings	2	5	15	20	-	-	-	5	15	20
Mahila Kisan Divas	1	0	200	200	3	2	4	0	205	205
Celebration of important days (specify) Kisan Samman Divas	1	300	50	350	50	5	55	350	55	405
Kisan Kalyan Divas	1	100	50	150	10	5	15	160	55	215
World Milk Day	1	50	10	60	5	-	5	55	5	60

World Soil Health Day	1	200	55	255	10	5	15	210	60	270
Total	200	3315	840	4155	228	52	264	3585	915	4500

3.5 Target for Production and supply of Technological products SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	-	-	-
	-	-	-
	-	-	-
OILSEEDS	-	-	-
	-	-	-
	-	-	-
PULSES	-	-	-
	-	-	-
VEGETABLES	-	-	-
OTHERS (Specify)	-	-	-
	-	-	-

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Papaya	Red lady	1000
	-	-	0
	-	-	0
	-	-	0
SPICES	-	-	0
	-	-	0
VEGETABLES	Brinjal	Nav Kiran	2500
	Tomato	Ankur-2110	2500
	cauliflower	Girija	2000
	-	-	0
FOREST SPECIES	-	-	0
	Neem	Indigenous	1500
AROMATIC	-	-	0
	-	-	0
	-	-	0
ORNAMENTAL CROPS	Marigold	Pusa narangi	1500
	Kochia	-	1000
FODDER	Nepiar grass	-	4000
	Gini grass	-	4000
		Total	20000

Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO Product		-		
1.	Vermi-compost	-	20	2000
2.	Nadep compost	-	20	2000
3.	Waste Decomposer	-	1000	2000 liter

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle	-	-	-	-
GOAT	-	-	-	-
SHEEP	-	-	-	-
POULTRY	Chick	Cari Priya	100	1
Pig farming	-	-	-	-
FISHERIES	-	-	-	-

3.6. Literature to be Developed/Published

(A) KVK News Letter - 4

Date of start : January, 2023

Number of copies to be published : 400

(B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	2
2	Technical reports	6
3	News letters	4
4	Training manual all discipline	5
5	Popular article	8
6	Extension literature	10
Total		35

(C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	VCD	Kisan mela and agriculture exhibition	1
2	VCD	Agriculture Exhibition at Kanpur	1
3	VCD	Mahila Kisan Divas	1
4	VCD	Kisan Samman Divas	1
5	VCD	Kisan Kalyan Divas	1

3.7. Success stories/Case studies identified for development as a case. - 110

- 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

- Identification of courses for farmers/farm women
- Rural Youth
- In-service personnel
- PRA & focused group discussion.
- Need based & Focused group discussion.
- Need based & demand from department.

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT :

- i) PRA Yes

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

For FLD :

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

3.10 Field activities

- i. Name of villages identified/adopted with Block Name (from which year) -

Name of village	Name of block	Year
Siraoloya	Tundla	2016
Kheria	Tundla	2010
Hazratpur	Tundla	2009
Sikandarpur	Tundla	2021
Pamari	Tundla	2021
Dinauli	Tundla	2011
Usaini	Firozabad	2011
Gundau	Firozabad	2015
Fulaichi	Firozabad	2012
Nagla Chinraunji	Firozabad	2010
Raja Ka Tal	Firozabad	2018
Ahaladadpur	Firozabad	2017
Badanpur	Narkhi	2019
Husenpur	Narkhee	2014
Bheekanpur	Narkhee	2013
Bachhgaon	Narkhee	2013
Asharawali	Shikohabad	2011
Tatarpur	Shikohabad	2012
Karanpur	Shikohabad	2016
Dahini	Shikohabad	2017
Gagai	Shikohabad	2018
Kishraon	Aroan	2015
Dharma	Aroan	2016
Kaparavali	Aroan	2011
Paliya Khurd	Eka	2013
Kachhavaee	Eka	2017
Nagla Gaju	Eka	2018
Eka	Eka	2016
Khatua Mai	Madanpur	2018
Nagla Tal	Madanpur	2018
Nagla Radhey	Madanpur	2011

Umari	Madanpur	2017
Haridaspur	Jasrana	2018
Nagla Mohari	Jasrana	2019
Dhuhali	Jasrana	2017
Utrara	Jasrana	2015
Hamirpura	Hathwant	2017
Nagla Soti	Hathwant	2021
Katena Harsha	Hathwant	2014
Sohanpur	Hathwant	2015
Bhodela	Firozabad	2022
Santhi	Hathvant	2022
Banipura	Hathvant	2022

- ii. No. of farm families selected per village : 1 to 5
- iii. No. of survey/PRA conducted : 5
- iv. No. of technologies taken to the adopted villages: 10
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- A. Production of Vermi compost.
 - B. Introduce of Summer Maize.
 - C. IWM in Garlic, Wheat, Paddy
 - D. Disease management in Shimla Mirch.
 - E. IDM in potato,
 - F. Introduce HYV of Green and black gram
 - G. Health care of calves.
 - H. Introduce HYV of Mustard.
 - I. Balance feeding of animals.
 - J. Whole year green fodder production.
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- Summer Bajra cultivation on 200 ha. in 2009 and now increased the area 20000 ha.
 - Potato cultivation in district Firozabad on 38000 ha. in 2009 and now increase the area 53000 ha.
 - Summer maize cultivation increased area about 2000 ha.
 - Establishment of 40 Vermi-compost units which increase soil fertility and generate employment.
- vii. Constraints if any in the continued application of these improved technologies
- Lack of quality seed.
 - Occurrence of various disease in Shimla Mirch.
 - Farmers unknown about beginning stage diseases in potato.
 - Lack of veterinary facilities.
 - Lack availability of dung for vermi compost production.

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of soil testing Lab: yes

1. Year of establishment : 2017

2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1.	Soil testing kit	2	172000.00

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	300	300	40	-

Water	-	-	-	-
Plant	-	-	-	-
Total	300	300	40	-

4.0 LINKAGES

4.1 Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1.	1. State Department of Agriculture	1. Scientist farmer's interaction. 2. Participation in Kharif, rabi and summer crop seminar, Gosthi / workshop and field day etc. 3. Conducting in-service training programmes 4. Sponsored training programmes for practicing farmer and extension functionaries. 5. Coordinating seed production programme at farmers field
2.	2. State Department of Horticulture	1. Demonstration on vegetables, Pomology and flowers 2. Training programmes for practicing farmers and extension functionaries for National Horticulture Mission 3. Establishment of orchard
3.	3. State Department of Animal Husbandry	1. Animal health camp, infertility camps and vaccination camp. 2. Training programmes for practicing farmers and farm women
4.	4. IFFCO	1. Participation in crop seminars and kisan gosthies 2. Participation in training programmes organized by extension functionaries
5.	5. BAIF	1. Artificial insemination
6.	6. NFL	1. Training programme and soil testing samples.
7.	7. Deptt. Of land development and water resources (Ram Ganga command)	1. Training.
8.	7. Department of Fisheries	1. Training
9.	8. Nehru Yuva Kendra	1. Training for Nehru Yuva Mandal
10	KRIBHCO	1. Participation in crop seminars and kisan gosthies 2. Participation in training programmes organized by extension functionaries

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district yes

S. No.	Programme	Nature of linkage
1	Trainings	Trainings
2	Demonstration	Demonstration
3	Kisan gosthi	Kisan gosthi
4	Kisan Mela & Agri. Exhibition	Kisan Mela & Agri. Exhibition

4.3 Give details of programmes under National Horticultural Mission no

S. No.	Programme	Nature of linkage
1		
2		

4.4 Nature of linkage with National Fisheries Development Board no

S. No.	Programme	Nature of linkage
1		
2		

5.0 Utilization of hostel facilities no

S. No.	Programme	No. of days
1		
2		
3		
4		
	Total	

6.0 Convergence with departments :

- 3rd Wednesday of every month conducting Kisan Diwas with line departments.
- Governing board meeting of ATMA (Six month interval) with line departments.
- District and block level Gosthi to line departments for enhancement of agriculture production.
- Farmers Produce Organization (FPO) prepare with line department.
- Discuss with line department for irrigation.

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

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

7.2. Brief achievements of above collaborative programmes

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

8. Achievements (Both Technical and physical) of sponsored programmes (As applicable to your KVK) during the reporting period (2021)

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

- Better performance of mustard variety DRMI-31 than other variety.
- More production of K-607 than other wheat variety.
- Farmers need synchronized variety of moong bean.
- Shimla mirch is more beneficial crop than other vegetables.
- Seed and soil treatment is better option for control of black scab disease.
- Better keeping and marketing of kufari bahar than other variety of potato.
- Farmers prefer of hybrid variety of vegetables than other varieties.
- Deworming and colostrums feeding more effective against control of mortality of calves.
- Conception % less by AI than natural service in animals.
- The mineral mixture feeding good for health and production.

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

- Availability of short duration and synchronize variety of moong bean.
- Yellow mosaic resistant variety of moong and urd bean should be produce.
- Drought resistance variety of cereal crops requirement for more production.
- Yellow mosaic resistance new variety of okra should be produce.
- Fruit and stem borer resistance variety of brinjal must be produce.
- Leaf curl disease resistance variety of Shimla Mirch essentially must be produce.
- Maximum production of bio-fertilizers must be utilized as basal dressing in the soil.
- Area specific mineral mixture should be prepared at district level.
- Indigenous germ plasm of buffalo breed (Murra & Bhadabari) should be preserve.
- Egg and meat producer breeds of poultry should be produce.

Annexure-1

(1) Training Programmes for Farm & Farm women

Date	Client ele	Title of the training programme	Durati on in days	Venue (Off / On Campu s)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Crop production										
18.01.2023	PF	Production of Value NADEP Manus	1	On	15	10	25	5	5	10
03.02.2023	PF	Scientific Cultivation of zaid Pulses Crops	1	Off	15	15	30	10	5	15
10.02.2023	PF	Weed management in Zaid Crops	1	On	15	15	30	10	5	15
23.02. 2023	PF	Natural Farming	2	On	15	15	30	5	5	10
15.03.2023	PF	Scientific Cultivation of Millets	1	On	15	10	25	5	5	10
28.03.2023	PF	Role of Bio-fertilizer in Crop Production	1	On	15	10	25	5	5	10
12.04.2023	PF	Harvesting, Processing, Value addition and Marketing of Pulse, Oilseed & Cereals.	1	On	15	10	25	5	5	10
25.04.2023	PF	Production of Jeevamrit, Beejamrit and Ghanjeevamrit.	1	Off	15	10	25	5	5	10
29.04.2023	PF	Intercropping of maize with Arher and Role of Crop Rotation.	1	Off	20	10	30	5	5	10
11.05.2023	PF	Nursery raising of Paddy	1	On	20	10	30	5	5	10
18.05.2023	PF	Production of Desi Cow base insecticides and Jeevamrit, Beejamrit and Ghanjeevamrit.	1	Off	20	10	30	5	5	10
30.05.2023	PF	Scientific Cultivation of Paddy	1	On	20	10	30	5	5	10
14.06.2023	PF	Integrated Nutrient Management	1	On	20	10	30	5	5	10
14.07.2023	PF	Integrated Nutrient Management	1	On	20	10	30	5	5	10
28.07.203	PF	Use of Water Soluble fertilizer	1	Off	20	10	30	5	5	10
14.07.2023	PF	Integrated Farming System Model	1	On	20	10	30	5	5	10
03.08.2023	PF	Production of Value aided organic Manures	1	On	20	10	30	5	5	10
07.09.2023	PF	Inter Cropping in Rabi Crop	1	On	15	5	20	5	0	5
22.09.2023	PF	Natural Farming Desi Cow Based	1	On	15	5	20	5	0	5
12.10.2023	PF	Scientific Cultivation of Wheat	1	On	15	5	20	5	0	5
26.10.2023	PF	Production of Wheat Through Natural Farming	1	On	15	5	20	5	0	5
03.11.2023	PF	Weed Management of Rabi Crop	1	On	15	5	20	5	0	5
22.11.2023	PF	Irrigation Management of Rabi Crops		On	15	5	20	5	0	5
06.12.2023	PF	Assessment and Prediction of the Crop Health impacts of Climate Change	1	Off	15	5	20	5	0	5
Horticulture										
03.01.2023	PF	Role of staking in tomato	1	On	15	-	15	5	-	5
10.02.2023	PF	Improved cultivation of onion in zaid	1	Off	15	-	15	5	-	5
02.03. 2023	PF	Grading and standardization of vegetables (Potato, Tomato).	1	On	15	-	15	5	-	5
15.03.2023	PF	Scientific Cultivation of Okara.	1	Off	15	-	15	5	-	5
04.04. 2023	PF	Rejuvenation of old orchard .	1	On	15	-	15	5	-	5
06.05. 2023	PF	Drip irrigation system in young orchard (aonla, guava).	1	On	15	-	15	5	-	5
01.06.2023	PF	Scientific cultivation of Shimla March	1	Off	15	-	15	5	-	5

03.07.2023	PF	Improve Cultivation of Brinjal	1	Off	15	-	15	5	-	5
09.08. 2023	PF	Nursery management of vegetables by low tunnel poly house in kharif.	1	Off	15	-	15	5	-	5
08.09. 2023	PF	Papaya production technology	1	On	15	-	15	5	-	5
05.10. 2023	PF	Scientific cultivation of cole crops as cauli flower cabbage and broccoli.	1	Off	15	-	15	5	-	5
10.10.2023	PF	Scientific Cultivation of Garlic	1	Off	15	-	15	5	-	5
12.10.2023	PF	Nutrient Management in Potato	1	On	15	-	15	5	-	5
05.12. 2023	PF	Plant Protection measures in Potato	1	On	15	-	15	5	-	5
11.12. 2023	PF	Onion Cultivation Techniques	1	On	15	-	15	5	-	5

Live Stock Production & Management

03.01.2023	PF	Care and feeding of Newly borne Calves.	1	On	15	0	15	5	-	5
06.02.2023	PF	Green Fodder Production for Summer Season	1	Off	15	5	20	5	-	5
07.03.2023	PF	Care and feeding Management of Milch Animal	1	On	15	-	15	5	-	5
12.04.2023	PF	Common disease Of Animals and its control.	1	Off	15	5	20	5	-	5
11.05.2023	PF	Importance of vaccination for Animal	1	On	15	-	15	5	-	5
16.06.2023	PF	Importance of Arterial insemination in farm Animal	1	Off	15	5	20	5	-	5
10.07.2023	PF	Formulation of Balance Ration for Milch animal.	1	On	15	-	15	5	-	5
03.08.2023	PF	Control of ecto & endo parasites in Animal.	1	Off	15	5	20	5	-	5
05.09.2023	PF	Clean Milk Production	1	On	15	-	15	5	-	5
09.10.2023	PF	Silage Making	1	Off	15	5	20	5	-	5
06.11.2023	PF	Green Fodder Production for Rabi Season	1	On	15	-	15	5	-	5
01.12.2023	PF	Feeding management of Animals during winter season.	1	Off	15	5	20	5	-	5

Home Science

03.02. 2023	PF	Management of Nutritional garden	1	On		18	18		7	7
07.02. 2023	PF	Management of Nutritional garden	1	Off	5	15	20	2	3	5
04.05.2023	PF	Management of Nutritional garden	1	On	-	20	20	-	5	5
09.05.2023	PF	Management of Nutritional garden	1	Off	5	15	20	2	3	5
29.09.2023	PF	Management of Nutritional garden	1	On	-	15	15		5	5
04.10.2023	PF	Management of Nutritional garden	1	Off	5	15	20	2	3	5
28.06.2023	PF	Grain storage techniques and rat control.	1	On	5	15	20	-	5	5
04.07.2023	PF	Grain storage techniques and rat control.	1	Off	5	15	20	-	5	5

Soil Health and fertility

08.02.2023	PF	Soil health fertility	1	On	20	-	20	5	-	5
11.04. 2023	PF	Soil health and fertility	1	Off	20	-	20	5	-	5
05.05. 2023	PF	Soil health and fertility	1	Off	20	-	20	5	-	5
17.07. 2023	PF	Integrated water management	1	Off	20	-	20	10	-	10
16.08. 2023	PF	Soil health and fertility	1	Off	20	-	20	5	-	5
17.10. 2023	PF	Integrated nutrient management	1	On	20	-	20	5	-	5
03.11. 2023	PF	Soil health and fertility	1	Off	20	-	20	5	-	5

Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Date	Duration (days)	No. of Participants			SC/ST participants		
					Male	Female	Total	Male	Female	Total
Crop Production										
Paddy	Seed production	Seed production in Paddy	05-09 .06. 2023	5	16	4	20	5	-	5
Wheat	Seed production	Seed production in wheat	13-17 .11. 2023	5	16	4	20	5	-	5
Natural Farming	Natural Farming	Production and Marketing of Natural Farming Base Product. (Desi Cow base)	10-14-.04.2023	5	16	4	20	5	-	5
Horticulture										
Bee Keeping	Honey Bee	Honey production & Honey bee Management	02-07 .02.23	6	15	-	15	5	-	5
Guava, ber, aonla, marigold, rose,	Nursery	Nursery management of fruits and ornamental plants.	10-14 .07.23	5	15	-	15	5	-	5
Bee Keeping	Honey Bee	Honey production & Honey bee Management	13-18 .09.23	6	15	-	15	5	-	5
Mushroom	Mushroom	Mushroom production technology	03-07 .10.23	5	15	-	15	5	-	5
Mushroom	Mushroom	Mushroom production technology	07-11 .11.2023	5	15	-	15	5	-	5
Live Stock Production and Management										
Poultry	Poultry production	Broiler and layer production	10-14.04.2023	5	10	-	10	5	-	5
Goat	Goat Production	Goat Rearing	05-09.06.2023	5	10	-	10	5	-	5
Milk Products	Milk Products	Making of Milk Products	02-06.10.2023	5	10	-	15	5	-	5
Dairy	Dairy Farming	Dairy Farming	04-08.12.2023	5	10	-	10	5	-	5
Home Science										
Fruits & vegetables	Value addition	Preservation Value addition of fruits & vegetables	13-17.02.2023	5	-	15	15	-	5	5
Grain and Pulses	Value addition	Value addition of Grain and Pulses	16-19.05.2023	4	-	15	15	-	5	5
Milk Product	Value addition	Value addition of Milk and Milk Product	12-15.07.2023	4	-	15	15	-	5	5
Rural Craft	Rural Craft	Rural craft and tailoring work	16-21.04.2023	5	-	15	15	-	5	5

(2) Training Programmes for Extension Functionaries

Date	Clientel e	Title of the training programme	Duratio n in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST			
					Male	Female	Total	Male	Female	Total	G total
Crop production											
26.04.23	EF	Desi cow base Natural farming	1	On	20	-	20	5	-	5	25
07.06.23	EF	Weed management in kharif	1	Off	20	-	20	5	-	5	25

		crops.										
18.10.23	EF	Integrated nutrient management in Rabi crops.	1	Off	20	-	20	5	-	5	25	
03.11.23	EF	Seed production of wheat in Rabi.	1	On	20	-	20	5	-	5	25	
Horticulture												
11.04.23	EF	Drip irrigation system on Aonla orchard.	1	On	15	-	15	5	-	5	20	
18.07.23	EF	Hi-Tech nursery management	1	On	15	-	15	5	-	5	20	
05.10.23	PF	Potato seed production	1	On	15	-	15	5	-	5	20	
07.12.23	PF	Off-season vegetable production in poly house	1	On	15	-	15	5	-	5	20	
Live-stock Production & management												
12.02.23	EF	Sterility Problems in dairy animals & its control	1	On	15	5	20	5	-	5	25	
03.05.23	EF	Curd feeding as probiotics Neuilly born calves	1	Off	15	-	15	5	-	5	20	
06.07.23	EF	Balance Ration for Milch animal	1	Off	15	5	20	5	-	5	25	
03.11.23	EF	Use of care treated straw for animal	1	On	15	-	15	5	-	5	20	
Home Science												
16.03.2023	EP	Formation of Self help group	1	On	0	10	10	0	10	10	20	
14.06.2023	EP	Woman Child care	1	Off	0	15	15	0	5	5	10	
04.08.2023	EP	Design and development of low minimum cast diet	1	On	0	15	15	0	5	5	10	
08.11.2023	EP	Safe grain storage techniques and rat control.	1	Off	5	10	15	2	3	5	20	

(3) Sponsored Training Programmes:

Sl.No	Title	Thematic area	Month	Duration (days)	Client PF / RY / EF	No. of courses	No. of Participants						Sponsoring Agency	
							Male		Female		Total		Total	
							Others	SC/ST	Others	SC/ST	Others	SC/ST		
Crop Production:														
1.	Integrated nutrient management in Kharif crop	IPNM	May 2023	1	PF	1	30	10	-	-	30	10	40	Agri. Deptt.
2.	Weed management in Kharif crop	IWM	June 2023	1	PF	1	30	10	-	-	30	10	40	Agri. Deptt.
3.	Soil and water conservation techniques	Resource conservation technique	July 2023	1	PF	1	30	10	-	-	30	10	40	Agri. Deptt.
4.	Cultivation of Rabi crops	Crop management	Oct. 2023	1	PF	1	30	10	-	-	30	10	40	Agri. Deptt.
Horticulture														

1.	Nursery raising of vegetables (Tomato, Brinjal and Chilli).	Vegetable production	June-2023	1	PF	2	30	10	-	-	30	10	40	Agri. Hort.
2.	Rejuvenation of old orchards (Aonla, Ber and Guava).	Orchard	July-2023	1	PF	1	25	10	-	-	25	10	35	"
3.	Cultivation of cole crops (Cabbage, cauliflower and Knolkhol).	Vegetable production	Aug.-2023	1	PF	2	30	5	-	-	30	5	35	"
4.	Scientific cultivation of Potato.	Vegetable production	Sept.-2023	1	PF	2	25	5	-	-	25	5	30	"

Live-stock Production and Management

1.	Care and feeding management of milch buffalo	Feed management	May-2023	1	PF	1	25	5	5	5	30	10	40	Dept. of AH
2.	Control of common disease in dairy animals	Animal disease	June-2023	1	PF	1	30	10	-	-	30	10	40	"
3.	General care of lactating animals for maximizing milk production.	Dairy management	July-2023	1	PF	1	20	10	5	5	25	15	40	"
4.	Green fodder production throughout the year.	Feed management	Nov-2023	1	PF	1	20	10	5	5	25	15	40	"

ANNUAL ACTION PLAN
KVK-I, LAKHIMPUR-KHERI

(Jan-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		
KrishiVigyan Kendra Jamunabad, Gola, Lakhimpur- Kheri (U.P.) 262701	05872-270057	-	pckvk.lmp@gmail.com	lakhimpurkheri.k vk4.in

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

Address	Telephone		E mail	Website
	Office	FAX		
C.S. Azad Uni. of Agriculture & Tech., Kanpur – 208002	0512-2534165	0512-2533808	directcsa@gmail.com	csau.oc.in

1.2.b. Status of KVK website : Working

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : 975

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

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Santosh Kumar Vishwakarma	05872-270057	+919415716654	pckvk.lmp@gmail.com

1.4. Year of sanction(as per MOU) : 2004-2005

1.5. Staff Position (as on 30 July 2022):

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Other)	Mobile No.	Email id	Please attach recent photograph
1	Head & Sr. Scientist	Dr. Santosh Kumar Vishwakarma	Head & Sr. Scientist	Horticulture	37400-67000	9000	60600	11-04-2008	Permanent	OBC	09415716654	headkvklakhimpurkheriup@gmail.com	
2	SMS/Scientist	Dr. Mohd. Sohail	Scientist	Horticulture	15600-39100	8000	42230	01-06-2008	Permanent	Gen.	09450384746	drsuhail.lmp@gmail.com	
3	SMS/Scientist	Dr. Nagendra Kumar Tripathi	Scientist	Animal Husbandry	15600-39100	7000	36760	11-04-2008	Permanent	Gen.	09452820333	tripathi004@gmail.com	
4	SMS/Scientist	Dr. Pradeep Kumar Bisen	Scientist	Agronomy	15600-39100	7000	36760	11-04-2008	Permanent	Gen.	09453791558	bisen73@gmail.com	
5	SMS/Scientist	Dr. Sanjay Singh	Scientist	Plant Prot.	15600-39100	8000	41650	06-01-2001	Permanent	Gen.	9415720011	dr.sanjay1969@gmail.com	
6	SMS/Scientist	Dr. J. L. Gupta	Scientist	Ag. Ext.	15600-39100	8000	41690	06-01-2001	Permanent	OBC	9839572394	Jlc_gupta@yahoo.com	
7	Scientist	Vacant	Scientist	H.Sci.									
8	Prog. Asstt. Computer	Vacant	Computer Programmer		9300-34800	4600			Permanent				
9	Acctt. / Superintendent	Vacant	Accountant / O.S.		9300-34800	4200	-		Permanent	-	-1900	-	
10	Programme Assistant	Vacant	-	-									
11	Farm Manager	Vacant	-	-									
12	Stenographer	Vacant											
13	Driver (Jeep)	Vijay Yadav	Jeep Driver	-	5200-20220	1900			Permanent				
14	Driver (Tractor)	Vacant	Driver	-	5200-20220	1900			Permanent				
15	Supporting staff	Sri Ram	Attendant	-	5200-20220	1800			Permanent		-	-	
16	Supporting staff	Ram Shankar	Attendant	-	5200-20220	1800	27600	01-09-2008	Permanent	OBC	-	-	

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

S. No.	Item	Area (ha)
1	Under Buildings	0.50
2.	Under Demonstration Units	0.30
3.	Under Crops	13.00
4.	Horticulture (Orchard / Agro forestry)	0.20
5.	Others if any	6.0

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	RKVY			-	2019-20	600	Completed		
2.	Farmers Hostel	RKVY			-	-	-	Completed		
3.	Staff Quarters (6)	ICAR	8.8.2014		3700000.00	2005-06		Completed		Yes
4.	Demonstration Units (2)	ICAR			-	-		Completed		
5	Dairy Unit	ICAR	8.8.2014		1096000.00	2005-06		Completed		Yes
6	Fencing	RKVY				2019-20		Under construction		
7	Tube well	ICAR			75000.00	2005-06		completed	Yes	
8	Rain Water harvesting system	ICAR			-	-		Not available	Yes	
9	Threshing floor	ICAR			-	-		Damaged		Yes
10	Farm godown	ICAR	8.8.2014		500000.00	2005-06		Completed		Yes

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status	Required replacement
Jeep	2005-2006	401971	239300	Working Condition	Yes
Tractor	2005-2006	348254	28600 (hr.)	Working Condition	Yes
Motor Cycle	2009-2010	44000	13800	Working Condition	-

C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status	Required replacement
Harrow	2005-2006	22500	Non-Working Condition	Yes
Cultivator	2005-2006	12265	Working Condition	
Seed Drill	2005-2006	22300	Non-Working Condition	Yes
Leveler	2005-2006	7500	Non-Working Condition	Yes
Bed Planter	2009-2010	47250	Working Condition	
Thresher	2009-2010	71955	Working Condition	

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

Sl.No.		Date
1.	Scientific Advisory Committee	September, 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	Pure Cropping
2	Agri. Horti.
3	Mixed Farming
4	Agri – Silvi

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	Upper gangtic plains regions	The climate is sub-humid continental with temp.in July between 26-41 ° C and temp.in Jan.between 7-23 °C.Average rainfall is between 75-150 cm.The soils is sandy loam. Canal tubwell is the main source of irrigation. This is an intensive agricultural region

b)Topography

S. No.	Agro ecological situation	Characteristics
1	BhawarEvamTarai	Light brownish grey, sandy loam, light sandy loam, average water holding capacity, neutral in reaction, slightly calcareous, low in organic matter content , impeded drainage and water logged areas.
2	Mid Plains	Surface soil grey to dark grey in colour, becoming grey again in the third horizon .Texture is silty clay loam at surface and heavier below, average water holding capacity, neutral in reaction.

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	BhawarEvamTarai	Light brownish grey, sandy loam, light sandy loam, average water holding capacity, neutral in reaction, slightly calcareous, low in organic matter content , impeded drainage and water logged areas.	292369
2	Mid Plains	Surface soil grey to dark grey in colour, becoming grey again in the third horizon .Texture is silt clay loam at surface and heavier below, average water holding capacity, neutral in reaction.	224477

2.4. Area, Production and Productivity of major crops cultivated in the district (2018-19)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Rice	179639	561552	31.26
2	Wheat	192359	727502	37.82
3	Maize	7159	10226	14.27
4	Urd	4058	2263	5.33
5	Lentil	14001	22139	7.52
6	Pea	591	798	14.50
7	Pigeon pea	1709	1138	9.63
8	Sesamum	3688	697	1.89
9	Mustard	25225	22233	8.81
10	Ground Nut	6487	5183	7.99
11	Sugarcane	288567	207733611	719.88
12	Potato	1297		201.60
13	Jowar	43	44	10.28
14	Bajra	685	1876	27.39
15	Moong	1469	950	6.47
16	Other course cereals	39	26	6.67
17	Barley	685	1876	27.39
18	Gram	326	245	7.53

Source: District agriculture department.

2.5. Weather data (2021-22)

S. No	Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
1	January 2021	0				
2	February 2021	0				
3	March 2021	0				
4	April 2021	16.3				
5	May 2021	18.5				
6	June 2021	22.9				
7	July 2021	522.5				
8	August 2021	542.2				
9	September 2021	62.4				
10	October 2021	0				
11	November 2021	0				
12	December 2021	0				
Total	Total	1184.8				

Source: District agriculture department.

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

Category	Population	Production (Lakh M.T.)	Productivity (Kg./day)
Cattle			
<i>Crossbred</i>	269123	0.320	5.93
<i>Indigenous</i>	226370	0.791	1.98
Buffalo	527507	2.43	4.32
Sheep			
<i>Crossbred</i>	539		
<i>Indigenous</i>	22905		
Goats	475579	0.12	0.46
Pigs			
<i>Crossbred</i>	1169		
<i>Indigenous</i>	20995		
Rabbits	240		
Poultry			
Hens	43724		
<i>Desi</i>	43475		
Category		Production (Q.)	Productivity
Fish (Reservoir)	538 ha	6911	12.85

*Statistical report

2.7 Details of Operational area / Villages

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Gola	Kumbhi	Biharipur, Bakhhari, MahajrajNager, Beheta, , Raipur,seharua	Rice, Lentil Yellow Mustard Sugar- cane ,	Local varieties Low yield Low quality	Integrated Crop Management IDM,IPM

2	Gola	Bankeganj	Paharpur, Jamunha,, Grant No.3, Baharganj, Baihya, Kamalapur, Station purwa	Mustard Lentil Wheat Sugar-cane, cattle	Disease infestation Low yield Low quality	Integrated Crop Management, INM IDM
3	Metauli	Metauli	Sandilwa, Musadai, Bhitara, Fathepur,	Yellow Mustard, Tomato	Disease infestation	I C M, IDM, IPM
4	Mohhamedi	Mohhamedi	Mohhamedi, Rowrea, Allinagar, SariyaGadharaha	Banana, Guava, Sugarcane, Vegetables	Low quality Low yield	I C M, IDM
5	Mohhamedi	Pasgawan	Dhakura, Aurangabad, Barber	Ground nut, Bee Keeping Vegetables, Sugarcane	Low quality Low yield	I C M, IDM
6	Palliya	Palliya	Basantapur, Gobroula, Saunaha, Bankati	Banana, Rice, Wheat, Sugarcane, Vegetables	Disease infestation, Low quality Low yield	I C M, IDM
7	Palliya	Bijua	Gullariya, Paraiya,	Rice, Wheat, Sugarcane, Vegetables	Disease infestation, Low quality Low yield	I C M, IDM

2.8 Priority thrust areas

Crop/Enterprise	Thrust area
Rice	Integrated Pest Management ,INM
Wheat	IDM, Varietal, Integrated Weed Management
Toriya	Varietal
Lentil	Integrated Disease Management*
Onion	ICM
Mango	IPM
Livestock	Poultry Management
Live stock	Dairy Management
Live stock	Goat Management
Live stock	Feed & Fodder Management
Live stock	Mineral Supplement
Banana	ICM, IPM
Tomato	IDM
Tomato	Varietal
Mustard	IPM & Varietal
Pointed gourd	IDM
Kitchen gardening	Food Security
Storage of grain	PM

3. TECHNICAL PROGRAMME

A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
12	60	82.90	343

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
115	3505	119	9340

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)
500	20000	--	300	2000

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)
300	20000	--	125

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	Varietal	Wheat	Low yield of wheat due to unidentified varieties	Assessment of wheat varieties in time sown condition	Introduction of varieties	Seed Production	Productivity enhancement & IPM	Advisory services & field day	Seed
2	ICM	Okra	Low Yield	-	Use of Azad bhindi-1	Techniques of okra cultivation	-	Advisory services & field day	Seed
3	Varietal	Tomato	Introduction of variety	Assessment of tomato variety	-	Production tech. of tomato	-	Advisory services & field day	Seed
4	Varietal	Fodder	Unavailability of fodder throughout year	-	-	Feed management	-	Advisory services & field day	Seed
5	Varietal	Poultry	Unidentified breed	Introduction of breed for poultry	-	Poultry mgt.	-	Advisory services & field day	Chicks
6	Crop mgt.	Sugar cane	Less profit per unit area	-	Intercrop of Urd	Inert cropping of pulses	-	Advisory services & field day	Seed
7	Varietal	Toria	Low income per unit area	Assessment of Toria Var.	-	Crop production	-	Advisory services	Seed
8	IPM	Sugar cane	Heavy loss	Assessment bioagent to control termite	Use of tricho card & T. harzanium	Sugar cane production	-	Advisory services & field day	Bio agent
9	Crop mgt.	Banana	Low income per unit area	Assessment of Coriander as intercrop in banana	-	Commercial cult. of banana & papaya	-	Advisory services & field day	Seed
10	Weed & disease Mgt.	Wheat	Heavy infestation	Assessment of herbicide in wheat	Use of weedicide, fungicide	Weed magt. in wheat	IPM in rabi crops	Advisory services & field day	Fungicide

11	ICM	Banana	Bittle infection	-	Use of poly bags	Commercial cult.of banana	-	Advisory services & field day	Poly Bags
12	ICM	Tomato	Low yield	-	Training and pruning	Insect management through bio-agent in vegetable	-	Advisory services	Plastic threads
13	IPM	Banana	Heavy infestation	-	Use of fepronil	Beetle magt.	-	Advisory services & field day	Insecticide
14	DM	Paddy	Low yield of paddy due to heavy infestation	Assessment bioagent to control nematode	Bio-Pesticide	Tech.of sowing in rice	Productivity enhancement in crops & IPM	Advisory services & field day	Fungicide, & neem oil
15	Feed mgt.	Buffalo	Low milking	Assessment of bypass protein	-	Mgt. of cattle	Mgt. of farm animal	-	Feed
16	Varietal	Cowpea	Low yield	Assessment of variety	-	Cultivation of cole crop	-	Adv. Services	Seed
17	Decomposer	Bio-decomposer	Crope Residue Burning	-	Introduction of Biodecomposer	-	-	Advisory services	BioDecomposer
18	INM	Paddy	Low yield	-	Use of chelated zinc	Nutrient deficiency in crops	INM	Advisory services	Chelated zinc
19	IPM & Varietal	Chilli	Low yield	Assessment of Nematode control in chilli	-	Cultivation technology	-	Advisory services	Seed
20	IPM	Mango	Fruit fly	-	Use of Pheromone trap	-	-	Advisory services	Pheromone trap
22	IPM	Paddy	Heavy loss	-	Control of smut	Production tech. of paddy.	-	Advisory services	Insecticide
22	IPM	Tomato	Low yield	-	Use of Fungicide	Production tech.of tomato	Protected cultivation of horti. crops	Advisory services	Fungicide
23	IPM	Pointed gourd	Heavy loss	-	Use of Propiconazol	Prod.tech.of pointed gourd	-	Advisory services & field day	Fungicide
24	ICM	Onion	Time mgmt..	-	Direct seeding	Production tech. of Kharif onion	-	Advisory services	Seed
25	Insect mgt.	Tomato	Heavy loss	-	-	Pro. tech.	Biological control of pest & disease in veg.	Advisory services & field day	Bio-agent
26	RCT	Wheat	Water loss	Assessment of wheat crop on raised bed	-	.RCT	-	Advisory services & field day	Seed
27	Food security	Kitchen gardening	Malnutrition	-	Year round availability of veg.	Mgt. of kitchen gardening	Mushroom production	Advisory services	Veg. seed

3.1 Technologies to be assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	1	1			1					3
Weed Management	1									1
Integrated Pest Management	1				2					3
Resource conservation technology	1									1
TOTAL	4	1			3					8

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
Weed Management	1									1
Integrated Crop Management			1	1						2
TOTAL	1		1	1						3

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		1						1
Nutrition Management	1							1
TOTAL	1	1						2

B. Details of On Farm Trial OFT- 1 (Agronomy)

1. Crop/Enterprise : **Wheat**
2. Title of on-farm trial : Assessment of nutrient rich wheat variety under timely sown condition.
3. Problem diagnosed : Malnutrition.
4. Farming situation/Possible Solution: Irrigated / K-1006 suitable in timely sown condition. Released in 2014, with zinc= 49.2 ppm and iron= 45.4 ppm and brightness in grain.
5. Production system and thematic area :Rice- Wheat cropping system and ICM
6. Farmers' Practices : HD-2967
7. Details of technologies selected for assessment : T₁. Farmers Practice – HD-2967
: T₂-K-1006
8. Source of technology : CSAUA&T, Kanpur.
9. No. of farmers : 5
10. Critical input : Seed.
11. Performance indicators

i. Technical:

No.of grains/ear
Wt.of ear head (g)/ plant
Test weight (g).

Grain yield (q/ha)

ii.Economic: Cost of cultivation, gross return, net return & B: C ratio

iii.Social: The acceptability and compatibility in existing farming system.

OFT- 2 (Agronomy)

1. Crop/Enterprise : **Wheat**
2. Title of on-farm trial : Assessment of Wheat variety for drought tolerant and major disease resistance
3. Problem diagnosed : Heavy infestation of yellow rust and mid -term drought.
4. Farming situation : Irrigated variety K-1616 released in 2021 as drought tolerant and /Possible Solution. resistant to all major diseases.
5. Production system and thematic area : Rice-Wheat
6. Farmers' Practices : HD-2967
7. Details of technologies selected for assessment :T₁-Farmers practices (HD-2967)
: T2-K-1616
8. Source of technology : CSAUA& T, Kanpur
9. No. of farmers : 5
10. Critical input : Seed with full package of practices
11. Performance indicators

i.Technical: Plant height (cm)
No. of grains/earhead
Grain yield (q/ha)

ii.Economic: Cost of cultivation (Rs.),
Gross return (Rs.),
Net return (Rs.) & B: C ratio

iii.Social: Acceptability and compatibility in existing farming system.

OFT- 3 (Agronomy)

1. Crop/Enterprise : **Sugarcane**
2. Title of on-farm trial : Assessment of herbicide in Sugarcane crop
3. Problem diagnosed : Heavy infestation of grassy and BLW.
4. Farming situation
- /Possible Solution : Irrigated / Ametryn 50% SC control very effectively grassy and broad leaved weed applied as pre emergence at 2-4 leaf stage of weeds.
5. Production system and thematic area : Sugarcane based cropping system
6. Farmers' Practices : No use of pre emergence herbicide
7. Details of technologies selected for assessment : T₁ --Farmers Practice (No use of pre emergence herbicide)
: T₂—Ametryn 50%SC 4000g/ha
8. Source of technology : National Research Centre for Weed Science, Jabalpur
9. No. of farmers : 5
10. Critical input : Ametryn
11. Performance indicators

i. Technical:

Number of weed / sq.m.

Relative composition of weeds (%)

Grain yield (q/ha)

ii. Economic: Cost of cultivation, gross return, net return & B: C ratio

iii. Social: Acceptability and compatibility in existing farming system.

OFT- 4 (Horticulture)

1. Crop/Enterprise : **Tomato**
2. Title of on-farm trial : Assessment of tomato variety
3. Problem diagnosed : Low quality and yield of fruit
4. Farming situation/Possible Solution : Irrigated/
Kashi Sharad Indeterminate type plant fruit slightly oval, firm thick pericarp,
fruit weight 90-95 gm with average yield 400-500 q/ha.
5. Production system and thematic area : Rice-Vegetable
6. Farmers' Practices : Local variety
7. Details of technologies selected for assessment
: T₁Farmers Practice (Himsona)
: T₂Kashi Sharad
8. Source of technology : IIVR, Varanasi
9. No. of farmers : 5
10. Critical input : Seed
11. Performance indicators
 - i. **Technical** : Weight of fruit per plant
No. of diseased plant/m²
No. of fruits per plant
Yield (q/ha)
 - ii. **Economic** : Cost of cultivation, gross return, net return & B: C ratio
 - iii. **Social** : Acceptability and compatibility in existing farming system.

OFT- 5 (Horticulture)

1. Crop/Enterprise : **Banana**
2. Title of on-farm trial : Assessment of coriander as intercrop in banana
3. Problem diagnosed : Low income per unit area.
4. Farming situation/Possible Solution : Irrigated
5. Production system and thematic area : Banana -Wheat
6. Farmers' Practices : Sole cropping
7. Details of technologies selected for assessment
 - : T₁ Farmers Practice (Sole cropping)
 - : T₂ Banana + Coriander (Azad dhanian-1)
8. Source of technology : NRC Banana, Trichannapalli, TN
9. No. of farmers : 5
10. Critical input : Seed
11. Performance indicators
 - i. Technical** : Main crop yield (q/ha)
Inter crops yield (q/ha)
Land equivalent ratio
 - ii. Economic** : Cost of cultivation, gross return, net return & B: C ratio
 - iii. Social** : Acceptability and compatibility in existing farming system.

OFT- 6 (Horticulture)

1. Crop/Enterprise : **Cowpea**
2. Title of on-farm trial : Assessment of cowpea varieties.
3. Problem diagnosed : Low yield due to unidentified varieties.
4. Farming situation/Possible Solution : The plant dwarf and bushy, pod green, early harvesting, yield 100-110q/ha.
5. Production system and thematic area : Sugar cane - Cowpea - Paddy
6. Farmers' Practices : Unidentified variety (Local)
7. Details of technologies selected for assessment
 - : T₁-Control (Local variety)
 - : T₂ –Kashi Nidhi
8. Source of technology : IIVR, Varanasi
9. No. of farmers : 5
10. Critical input : Seed
11. Performance indicators
 - i. Technical** : Pod size
Number of branches
Weight of pod (g) /pt.
Yield (q /ha).
 - ii. Economic** : Cost of cultivation, gross return, net return, B: C ratio
 - iii. Social** : Acceptability and compatibility in existing farming system.

OFT- 7 (Plant Protection)

1. Crop/Enterprise	: Pointed Gourd
2. Title of on-farm trial	: Assessment of bio agent to control nematode in Pointed Gourd
3. Problem diagnosed	: Low yield due to heavy infestation of nematode in root.
4. Farming situation/Possible Solution	: Irrigated, <i>Paecilomyces</i> which is a fungal strain used to control nematode infestation. Soil application of <i>Paecilomyces</i> @ 3.0 kg/ha has remarkably effect on nematodes.
5. Production system and thematic area	: Vegetable - Wheat
6. Farmers' Practices	: Carbofuran 30kg/ha
7. Details of technologies selected for Assessment	: T ₁ - Control (Carbofuran) : T ₂ . <i>Paecilomyces</i> @ 3.0 kg/ha.
8. Source of technology	: CSAU&T, Kanpur
9. No. of farmers	: 5
10. Critical input	: Bio agent
11. Performance indicators	
i. Technical	: No. of infected plan/sq m Yield (q /ha).
ii. Economic	: Cost of cultivation, gross return, net return & B:C ratio
iii. Social	: Acceptability and adoptability of bio agent.

OFT- 8 (Plant Protection)

1. Crop/Enterprise : **Chilli**
2. Title of on-farm trial : Assessment of bio agent to control nematode in Chilli
3. Problem diagnosed : Low yield due to heavy infestation of nematode in root.
4. Farming situation/Possible Solution:Irrigated, *Paecilomyces* which is a fungal strain used to control nematode infestation. Soil application of *Paecilomyces* @ 3.0 kg/ha has remarkably effect on nematodes.
5. Production system and thematic area : Vegetable - Wheat
6. Farmers' Practices : Carbofuran 30kg/ha
7. Details of technologies selected for assessment
: T₁.Control (Carbofuran)
: T₂.*Paecilomyces* @ 3.0 kg/ha.
8. Source of technology : CSAU&T., Kanpur
9. No. of farmers : 5
10. Critical input : Bio agent
11. Performance indicators
i. Technical : No. of infected plan/sq m
Yield (q /ha).
ii. Economic :
Cost of cultivation, gross return, net return & B: C ratio
iii. Social :
Acceptability and adoptability of bio agent.

OFT- 9 (Animal science)

1. Crop/Enterprise	: Feed Management
2. Title of on-farm trial	: Assessment of by pass protein feed in buffaloes.
3. Problem diagnosed	: Unavailability of good quality feed & low milk production
4. Farming situation/Possible Solution	: Mixed farming/Bypass protein is a good quality which escape from rumen & degraded in small intestine.
5. Production system and thematic area	: Mixed farming
6. Farmers' Practices	: Locally available ingredients / feed (Rice polish)
7. Details of technologies selected for assessment	: T ₁ .Farmers Practices (Rice polish) : T ₂ .Bypass protein feed
8. Source of technology	: NDRI, Karnal
9. No. of farmers	: 5
10. Critical input	: Feed
11. Performance indicators	
i. Technical	: Total milk production (L/day) Total milk yield (L/lactation)
ii. Economic	: Cost of production of milk (Rs./day) Gross return (Rs.) Net return (Rs.) B: C ratio
iii.Social	: Acceptability and compatibility in existing feeding system.

OFT- 10 (Animal Science)

- 1.Crop/Enterprise : **Green Fodder Production Throughout Year**
- 2.Title of on-farm trial : Introduction of Green Fodder production throughout year.
- 3.Problem diagnosed : Unavailability of green fodder
- 4.Farming situation : Irrigated
- 5.Production system and thematic area : Rice Wheat
- 6.Farmers' Practices : Hay and Straw feeding with seasonal fodder
- 7.Details of technologies selected for assessment/refinement
- | | |
|----------------|---|
| T ₁ | Farmers Practice |
| T ₂ | Feeding of Hybrid Napier + cow pea, Barseem |
- 8.Source of technology : IGFR, Jhansi
- 9.No. of farmers : 5
- 10.Critical input : Root slips of Napier, Seed of Cowpea and Barseem
- 11.Performance indicators

- | | |
|----------------------|-------------------------------------|
| I. Technical: | Fodder Production (Qtl / ha) |
| ii. Economic: | Cost of feeding (Rs./animal) |
| | Gross return (Rs./animal) |
| | Net return (Rs./animal) |
| | C:B ratio |
| iii. Social | Acceptability. |

OFT- 11 (Extension)

1. Crop/Enterprise	: Sugarcane
2. Title of on-farm trial	: Assessment of bio agent to control Termite in Sugarcane
3. Problem diagnosed	: Growth & yield affected due to infestation of termite and soil pollution.
4. Farming situation	
/Possible Solution	: Irrigated/ <i>Beauveria bassiana</i> which is fungal strain use to control termite @ 2.5 kg/ha.
5. Production system and thematic area	: Rice-Sugarcane cropping system
6. Farmers' Practices	: Chloropyriphos @ 5.0lt./ha.
7. Details of technologies selected for assessment	: T ₁ –Use of chloropyriphos : T ₂ – <i>Beauveria bassiana</i> @ 2.5 kg /ha
Source of technology	: CSAUA&T, Kanpur
9. No. of farmers	: 5
10. Critical input	: <i>Beauveria bassiana</i>
11. Performance indicators	
i. Technical	: Affected plants /m ² Plant height (cm) Yield (q/ha)
ii. Economic	: Cost of cultivation, gross return, net return & B: C ratio
iii. Social	: Acceptability and compatibility in existing farming system.

OFT- 12 (RCT)

1. Enterprise/crop	: Wheat
2. Title of on-farm trial	: Assessment of wheat crop sown on raised bed
3. Problem diagnosed/Possible Situation	: Water loss while irrigation
4. Farming situation	: Irrigated
5. Production system and thematic area	: Rice- wheat cropping system and RCT
6. Farmers' Practices	: Flat bed
7. Details of technologies selected for assessment	: T ₁ Farmers' Practice T ₂ Raised bed
8. Source of technology	:DWR,Karnal
9. No. of farmers	: 5
10. Critical input	: Wheat seed and training
11. Performance indicators	
i. Technical	: plant height (cm) Tillers/plant Yield (q/ha)
ii. Economic	: cost of cultivation, Gross return (Rs.), Net return (Rs.), B: C ratio
iii. Social	: Acceptability and compatibility in existing farming system.

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	Rice	PR-113	INM	Chelated Zinc	Chelated Zinc@ 2gper litre water	kharif 2022	4	10	Yield & B:C Ratio
2	Rice	NDR-2065	IWM	Pyrazosulfuron	250g per ha	kharif 2022	4	10	Yield & B:C Ratio
3	Ground nut	TG 37A	INM	BORAX	4 kg per ha	kharif 2022	4	10	Yield & B:C Ratio
4	Wheat	DBW-17	IWM	Pinoxaden	1000g per ha	Rabi 2022	4	10	Yield & B:C Ratio
5	Wheat	K-1317	ICM	K-1317	Seed	Rabi 2022	4	10	Yield & B:C ratio
6	Okra	Azad-1	varietal	Azad-1	Seed	Rabi 2022	4	10	Yield & B:C Ratio
7	Sugarcane	CO-0118	INM	Chelated Zinc	Chelated Zinc@ 2gper litre water	Zaid 2022	4	10	Yield & B:C Ratio
8	Lentil	KLS9-3	IWM	Oxyfluorfen	250-300g a.i. Per ha o-3DAS	Rabi 2022	4	10	Yield & B:C Ratio
9	Banana	G-9	PM	Insecticide	Fipronil @ 1000 ml/ha	Kharif 2022	4	10	Yield & B:C Ratio
10	Banana	G-9	INM	Poly Bags	Poly Bags	kharif 2022	4	10	Yield & B:C Ratio
11	Veg. Pea	A P-1	DM	Trichoderma	Trichoderma	Rabi 2022	4	10	Yield & B:C Ratio
12	Pointed guard	local	ICM	Trailing	Plastic Rope	Zaid 2022	4	10	Yield & B:C Ratio
13	Pointed gourd	Local	Disease management	Fungicide	Propiconazol @ 500 ml/ha	Rabi 2022	4	10	Yield & B:C Ratio
14	Mango	Dashahri	PM	Mechanical Management	Pheromone trap	Zaid 2022	4	10	Yield & B:C Ratio
15	Tomato	Himsona	IDM	Bio agent	Paecilomyces	Rabi 2022	4	10	Yield & B:C Ratio
16	Tomato	Himsona	ICM	Training and pruning	Plastic threads	Rabi 2022	4	10	Yield & B:C Ratio
17	Kitchen gardening	Improved	ICM	Food security	Veg. seed 100m	Rabi & Kharif 2022 Zaid 2022	0.40	30	Yield & B:C Ratio
18	Bio decomposer	-	CRM	Microbial consortia	Bio decomposer	Rainy 2022	-	10	Days to decompose
19	IFS	Improve techniques	Farming system	ICM, IDM, IPM, Sulfer& INM	Improved varieties/breeds, bio agents, micronutrients	Kharif, Rabi & Zaid	2.0	5	Yield & B:C Ratio
20	Sugarcane	Azad Dhaniya-1	Varietal	Variety	Seed (15kg/ha)	Rabi-2022	4.0	10	Yield & B:C Ratio
21	Rice	PR-113	INM	Chelated	(2g/litre)	Kharif 2022	4.0	10	Yield & B:C Ratio
					Total		78.4	225	

Sponsored Demonstration:

Sl. No.	Crop	Area (ha)	No. of farmers
1	Oil seed (Yellow Mustard)	20	60
2	Lentil	30	75

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	25		800
2	Farmers Training	10		400
3	Media coverage	20		
4	Training for extension functionaries	4		200

C. Details of FLD on Enterprises
(i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / Indicators
Bed Planter	Lentil	Rabi-2022	3	1.0	Bed Planter	Growth and yield attribute
Mulchur	wheat		5	2.5	Mulchur	Growth and yield attribute

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / Indicators
Barseem	Vardan	10	0.25 ha	Seed	Yield & B:C Ratio
Fodder	Hybrid Napear + cow pea	10	0.25 ha	Seed	Yield & B:C Ratio
Sweet sorghum	Sweet sorghum	10	0.50 ha		Yield & B:C Ratio
De worming in goats	Local	35	260	Ivermectinebolous	Weight
Feeding of mineral mixture with concentrate for milk animal	Cattle/ Buffalo	5	10	Mineral mixture + Concentrate	Milk yield
Feeding of concentrate & mineral mixture for maturity in heifers	Buffalo heifers	5	10	Mineral mixture + Concentrate	Conception rate
Feeding of probiotics to reduce Dearehhoea in calves	Cattle/ Buffalo	10	10	Probiotics	Mortality %
Feeding of calcium	Cattle	5	10	Calcium	Milk yield
Feed mgt.	Poultry	10	50	Feed	Eggs, body wt.
BYP	Gram prya	10	20	Chick	Eggs, body wt.
		110	1.0 Ha 370		

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

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	20	-	20	5	-	5	25
Integrated Farming	1	20	-	20	5	-	5	25
Integrated Crop Management	2	50	14	64	0	6	6	70
Fodder production								
Production of organic inputs	1	11	-	11	9	-	9	20
Total	5	101	14	115	14	6	20	135
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	40	5	45	8	2	10	55
Protective cultivation (Green Houses, Shade Net etc.)	2	45	5	50	8	2	10	60
Cultivation of Fruit	1	20	-	20	5	-	5	25
Total	5	105	10	105	21	4	25	135
III Soil Health and Fertility Management								
Soil fertility management	1	25	5	30	-	5	5	35
Total	1	25	5	30	-	5	5	35
IV Livestock Production and Management								
Dairy Management	2	30		30	10		10	40
Poultry Management	1	16	-	16	4	-	4	20
Disease Management	1	20	5	25	3	2	5	30
Feed management	1	22	6	27	3	-	3	30
Production of quality animal products	-	-	-	-	-	-	-	-
Total	5	87	11	98	10	2	22	120
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	-	20	20	-	5	5	25
Minimization of nutrient loss in processing	1	-	25	25	-	5	5	30
Storage loss minimization techniques	1	-	20	20	-	5	5	25
Total	3	-	65	65	-	15	15	80
VII Plant Protection								
Integrated Pest Management	4	86	20	106	16	8	24	130
Integrated Disease Management	1	20	3	23	5	2	7	30
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
Total	5	106	23	129	22	10	31	160
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics	2	36	-	36	14		14	50
Formation and Management of SHGs	4	80	-	80	20	-	20	100
Entrepreneurial development of farmers/youths	1	20	-	20	5	-	5	25
WTO and IPR issues								
Total	7	136	-	136	39	-	39	175
TOTAL	31	490	123	613	108	44	152	765
(B) RURAL YOUTH								
Mushroom Production	2	30	-	30	10	-	10	40
Seed production	1	15	-	15	5	-	5	20
Production of organic inputs	1	15	-	15	5	-	5	20
Vermi-culture	2	30	-	30	10	-	10	40
Protected cultivation of vegetable crops	1	15	-	15	5	-	5	20
Nursery Management of Horticulture crops	2	30	-	30	10	-	10	40
Dairying	2	30	-	30	10	-	10	40
Sheep and goat rearing	1	15	-	15	5	-	5	20
Goat rearing	1	15	-	15	5	-	5	20
Poultry production	1	15	-	15	5	-	5	20
TOTAL	14	215	-	215	75	-	75	280
(C) Extension Personnel								
Productivity enhancement in field crops	2	90	-	90	10	-	10	100
Integrated Pest Management	2	85	-	85	15	-	15	100

Integrated Nutrient management	1	45	-	45	5	-	5	50
Rejuvenation of old orchards								
Protected cultivation technology	1	45	-	45	5	-	5	50
WTO and IPR issues	1	45	-	45	5	-	5	50
Management in farm animals	1	45	-	45	5	-	5	50
Livestock feed and fodder production	1	45	-	45	5	-	5	50
Household food security	1	45	-	45	5	-	5	50
Production and use of organic inputs	1	45	-	45	5	-	5	50
TOTAL	11	490	-	490	60	-	60	550
G. Total	54	1109	123	1232	209	44	253	1485

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	3	50	9	59	10	6	16	75
Cropping Systems	1	16	5	21	2	2	4	25
Water management	1	16	2	18	4	3	7	25
Integrated Crop Management	5	96	22	118	12	10	22	140
TOTAL	10	178	43	221	28	21	49	325
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	6	147	10	157	27	1	28	185
Nursery raising	1	22	-	22	3	-	3	25
b) Fruits								
Cultivation of Fruit	4	104	7	111	18	1	19	130
Micro irrigation systems of orchards	1	30	-	30	5	-	5	35
g) Medicinal and Aromatic Plants								
TOTAL	12	303	17	320	53	2	55	375
III Soil Health and Fertility Management								
Soil fertility management	1	13	7	20	3	2	5	25
Integrated Nutrient Management	1	20	3	23	5	2	7	30
Micro nutrient deficiency in crops	1	15	5	20	3	2	5	25
TOTAL	3	48	15	63	11	6	17	80
IV Animal Husbandry								
Dairy Management	2	43	7	50	6	4	10	60
Poultry Management	2	41	6	47	6	2	8	55
Disease Management	4	82	8	90	14	6	20	110
Feed management	3	67	7	74	11	5	16	90
TOTAL	11	233	28	261	32	17	54	315
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	-	25	25	-	5	5	30
Storage loss minimization techniques	1	-	15	15	-	5	5	20
Value addition	3	-	49	49	-	11	11	60
TOTAL	5	-	94	94	-	22	22	115
VII Plant Protection								
Integrated Pest Management	7	192	40	232	32	1	33	265
Integrated Disease Management	5	105	28	133	28	4	32	165
Bio-control of pests and diseases	1	22	8	30	3	2	5	35
Production of bio control agents and bio pesticides								
TOTAL	13	319	76	395	63	7	70	465
VIII Fisheries								
Integrated fish farming	1	20	-	20	5	-	5	25
TOTAL	1	20	-	20	5	-	5	25
X Capacity Building and Group Dynamics								
Leadership development	2	-	50	50	-	10	10	60
Group dynamics								
Formation and Management of SHGs(HS)	4	84	22	105	25	5	30	135
Mobilization of social capital	2	-	50	50	-	10	10	60
Entrepreneurial development of farmers/youths (Agro.)	3	70	12	82	8	-	8	90
WTO and IPR issues	1	20	6	26	4	-	4	30
TOTAL	12	174	140	314	37	15	52	368

XII Others (Pl. Specify)								
G. TOTAL	68	1289	356	1645	229	91	370	1980

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	4	67	8	75	17	8	25	100
Resource Conservation Technologies	1	22	3	25	3	2	5	30
Crop Diversification	1	16	5	22	2	2	4	25
Water management	1	16	4	20	2	3	5	25
Integrated Crop Management	7	137	31	168	18	14	32	200
TOTAL	14	258	51	309	42	29	71	380
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	8	187	15	202	35	3	38	240
Nursery raising	1	22	-	22	3	-	3	25
b) Fruits								
Cultivation of Fruit	6	149	12	161	26	3	29	190
Micro irrigation systems of orchards	1	30	-	30	5	-	5	35
g) Medicinal and Aromatic Plants								
TOTAL	17	388	27	415	69	6	75	490
III Soil Health and Fertility Management								
Soil fertility management	2	38	12	50	3	7	10	60
Soil and Water Conservation								
Integrated Nutrient Management	1	20	3	23	5	2	7	30
Micro nutrient deficiency in crops	1	15	5	20	3	2	5	25
TOTAL	4	73	20	93	11	11	22	115
IV Livestock Production and Management								
Dairy Management	2	43	7	50	6	4	10	60
Poultry Management	3	57	6	63	10	2	12	75
Disease Management	5	102	13	115	17	8	25	140
Feed management	4	88	13	101	14	5	19	120
Production of quality animal products								
TOTAL	14	290	39	329	47	19	66	395
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	3	-	45	45	-	10	10	55
Minimization of nutrient loss in processing	1	-	25	25	-	5	5	30
Gender mainstreaming through SHGs								
Storage loss minimization techniques	2	-	40	40	-	10	10	50
Value addition	3	-	49	49	-	11	11	60
TOTAL	9	-	159	159	-	36	36	195
VII Plant Protection								
Integrated Pest Management	11	278	60	338	48	9	57	395
Integrated Disease Management	6	125	31	156	33	6	39	195
Bio-control of pests and diseases	1	22	8	30	3	2	5	35
Production of bio control agents and bio pesticides								
TOTAL	18	425	99	524	84	17	101	625
VIII Fisheries								
Integrated fish farming	1	20	-	20	5	-	5	25
TOTAL	1	20	-	20	5	-	5	25
IX Production of Inputs at site								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development	2	-	50	50	-	10	10	60
Group dynamics								
Formation and Management of SHGs	8	164	22	185	45	5	50	235
Mobilization of social capital								
Entrepreneurial development of farmers/youths	4	90	12	102	13	-	13	115
WTO and IPR issues	1	20	6	26	4	-	4	30
TOTAL	15	274	89	363	62	15	77	440
XI Agro-forestry								
Production technologies								

(B) RURAL YOUTH								
Mushroom Production	1	15	-	15	5	-	5	20
Seed production	1	15	-	15	5	-	5	20
Production of organic inputs	1	15	-	15	5	-	5	20
Vermi-culture	1	15	-	15	5	-	5	20
Sericulture								
Protected cultivation of vegetable crops	1	15	-	15	5	-	5	20
Value addition	1	15	-	15	5	-	5	20
Dairying	2	30	-	30	10	-	10	40
Sheep and goat rearing	1	15	-	15	5	-	5	20
Goat Rearing	1	15	-	15	5	-	5	20
Poultry production	1	15	-	15	5	-	5	20
TOTAL	11	165	-	165	55	-	55	220
(C) Extension Personnel								
Productivity enhancement in field crops	2	85	-	85	15	-	15	100
Integrated Pest Management	2	85	-	85	15	-	15	100
Integrated Nutrient management	1	45	-	45	5	-	5	50
Rejuvenation of old orchards								
Protected cultivation technology	1	45	-	45	5	-	5	50
WTO and IPR issues	1	45	-	45	5	-	5	50
Management in farm animals	1	45	-	45	5	-	5	50
Livestock feed and fodder production	1	45	-	45	5	-	5	50
Household food security	1	45	-	45	5	-	5	50
Production and use of organic inputs	1	45	-	45	5	-	5	50
Total	11	485	-	485	65	-	65	550
G. TOTAL	113	2398	497	2877	438	135	623	3465

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	15	370	145	515	35	-	36	406	145	550
KisanMela	1	400	90	490	40	-	40	440	90	530
KisanGosthi	15	800	100	900	80	-	80	880	100	980
Exhibition	1	540	50	590	50	15	65	590	65	655
Group meetings	10	300	-	300	50	-	50	350	-	350
Lectures delivered as resource persons	1	2200	500	2600	75	-	75	2275	500	2675
Newspaper coverage	25	-	-	-	-	-	-	-	-	-
Radio talks	5	-	-	-	-	-	-	-	-	-
TV talks	2	-	-	-	-	-	-	-	-	-
Popular articles	10	-	-	-	-	-	-	-	-	-
Extension Literature	10	-	-	-	-	-	-	-	-	-
Advisory Services	1	380	-	380	50	-	50	430	-	430
Scientific visit to farmers field	1	180	-	180	-	-	-	180	-	180
Farmers visit to KVK	1	600	50	650	20	-	20	620	50	670
Diagnostic visits	5	10	-	-	-	-	-	-	-	10
Exposure visits	1	100	-	-	-	-	-	-	-	100
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-
Soil health Camp	1	50	-	-	-	-	-	-	-	50
Animal Health Camp	1	50	-	-	-	-	-	-	-	50
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	1	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	2	30	-	-	-	-	-	-	-	30
Self Help Group Conveners meetings	2	30	-	-	-	-	-	-	-	30

Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)	2	50	-	-	-	-	-	-	-	50
Krishi Mahotsava	1	-	-	-	-	-	-	-	-	-
Krishi Rath	-	-	-	-	-	-	-	-	-	-
Pre Kharif workshop	1	250	-	250	50	-	50	300	-	300
Pre Rabi workshop	1	250	-	250	50	-	50	300	-	300
PPVFRA workshop	1	100	-	100	-	-	-	100	-	100
Any Other (Specify)										
PMFBY Sammelan	1	1000	-	1000	-	-	-	1000	-	1000
Soil Health Cards distribution	1	300	-	300	-	-	-	300	-	300
Total	119	7890	935	8825	500	15	516	8391	950	9340

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)	Distributed to the farmers (Nos.)
CEREALS	Paddy	Swarna sub-1,	225	
	Wheat	K-1317,	225	
OILSEEDS	Sesame	Shekhar	10	
	Mustard	Urvashi	30	
PULSES	Lentil	KLS-228	10	
VEGETABLES				
OTHERS (Specify)				
Total			500	

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Distributed to the farmers (Nos.)
FRUITS	Papaya	S-1	1000	
SPICES				
VEGETABLES	Cabbage	Golden acre	5000	
	Egg plant	K-333	5000	
	Tomato	KT-5	5000	
FOREST SPECIES	Eucalyptus	Hybrid	1000	
	Willow	-	500	
ORNAMENTAL CROPS				
Total			17500	

BIO-PRODUCTS

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1	Nadep Compost	-	02	50.00
2	Vermi compost	-	02	30.00

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle	Cow	Shahiwal	4	20
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	3	Ext. Education
2	Technical reports	5	KVK
3	News letters	1	KVK
4	Training manual all discipline	5	KVK
5	Popular article	10	KrishakBharti
6	Extension literature	10	KVK
	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)

- Brief introduction
- Interventions
- Output
- Outcomes
- Impact
 - Social economic
 - Bio-Physical
- Good Action Photographs

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

- RRA
- Group discussion

Rural Youth

- PRA
- Need based

In-service personnel

- Group discussion
- Problem based

3.9 Indicate the methodology for identifying OFTs/FLDs**For OFT :**

- PRA
- Field level observations
- Farmer group discussions

For FLD :

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

3.10 Field activities

i.	Name of villages identified/adopted with block name (from which year) -	5
ii.	No. of farm families selected per village:	5
iii.	No. of survey/PRA conducted:	5
iv.	No. of technologies taken to the adopted villages	2
v.	Name of the technologies found suitable by the farmers of the adopted villages:	1
vi.	Impact (production, income, employment, area/technological– horizontal/vertical)	1
vii.	Constraints if any in the continued application of these improved technologies	1

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 NA

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

S.No.	Name of organization	Nature of Linkage
1	State Department of Agriculture	Joint Diagnostic Survey, Participation in meetings & Kisandiwas
2	Allahabad Bank (RSETI)	Participation in training programmes.
3	State Department of Horticulture	Participation in meetings & training programmes.
4	National Mission for Sustainable Agriculture (NMSA)	Participation in programmes
5	State Department of Animal Husbandry	Animal vaccination & artificial insemination camps.
6	National Food Security Mission (NFSM)	Participating in programmes.
7	GramyaVikasSansthan	Participation in meetings.
8	KRIBHCO/ IFFCO/ NFL	Participation in trainings.
9	District cane department	Participation in trainings.
10	Department of fisheries	Participation in meetings & trainings.
11	NABARD & Farmer clubs	Participation in meetings & trainings.

4.2 Details of linkage with ATMA

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

S. No.	Programme	Nature of linkage
1	Training & kisanmelaa	As resource person
2		

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1		
2		

4.4 Nature of linkage with National Fisheries Development Board : NA

S. No.	Programme	Nature of linkage
1		
2		

5. Utilization of hostel facilities: NA

S. No.	Programme	No. of days
1		
2		
3		
4		
	Total	

6. Convergence with departments:

Department of Agriculture
Allahabad Bank (RSETI)
Department of Horticulture
Department of Animal Husbandry
Gramya Vikas Sansthan
KRIBHCO/ IFFCO/ NFL
District cane department
Department of fisheries
NABARD & Farmer clubs

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)
1	TSP Project	Training – 12, Tr. RY– 3 , F.D.– 1, KisanGoshthi– 2, Demo.– 7, Area– 47.0 ha	719
2	ARYA Project		
3	CFLD-NFSM Project		
	i. Kharif season		
	ii. Rabi season	Yellow Sarson 10ha, Farmer- 25 Lentil 20 ha Farmer- 60	85
	iii. Summer season		
4	CSISA Project		
5	NICRA Project		
6	Soil Health Card	Training cum awareness	253
7	PPV & FRA	PPV & FRA	100
8	Sankalp Se Sidhi	Sankalp Se Sidhi	650
9	PM Sambad	PM se Kisanoka siddha sambad	250
	Total		2057

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

S. No	Feed Back
1	Lentil variety KLS-228 performed better as compared to HUL-57 and farmer's practice (PL-8)
2	Wheat variety K-402 has shown superiority over in terms of yield and growth attributes.
3	Propiconazol @ 500 ml/ha found very suitable fungicide control false smut in rice crop.
4	Trichocard one of the bio control method to manage borer infestation has shown better option as compared to chemical control.
5	Fodder crops (Napier + Bajra) and cowpea continuation yielded more as well as nutritious green fodder.
6	Sulphur, when applied as basal @ 20 kg/ha in sesame crop respond well in terms of yield and quality.
7	Wheat variety K-307 more suitable in district as it has heat tolerance gene.

8	Wheat variety K-607 has performed better as compared to PBW-343.
9	Sulfosulfuron + Metsulfuron methyl one of the herbicide control the grassy and broadleaved weeds shown superiority over the other herbicidal treatments in wheat crop.
10	Mancozeb + streptomycin has tremendous effect on late blight of potato.
11	Farmers liking the cultivation of cucumber as intercrop in spring planted sugarcane.
12	Quality of guava fruit has been improved with the application of Zinc sulphate.
13	Intercropping of chilli in banana crop during rainy season has given more profit.
14	Green fodder Makhan grass yielded nutritious feed.
15	Digestion of calves improved through the use of probiotics.
16	Buprezin has shown effective against Brown plant hopper infestation.
17	Azad Dhan-1- has dual purpose quality and fetches good price.

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

- 1- KLS-218 has been found best variety against HUL-57 and farmers cv-PL-8 in terms of growth & yield attributes.
- 2- Mahi (K-402) perform better under adverse condition of weather in Lakhimpur-Kheri. District and has long ear head as compared to other varieties under trial and chapatti making quality is superior as compared to farmers grown variety.
- 3- Pitambari has 44% oil percentage and bold seeded and exceed over local varieties in terms of yield.
- 4- Wheat sown on raised bed perform well and save water to the tune of 35-40%

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	
Crop Production										
20-21.01.22	PF	Intercropping of pulses in spring sugarcane for extra income	2	20	5	25	3	2	5	30
10-11.07.22	PF	Weed Management in Rice	2	20	-	20	5	-	5	25
25-26.10.22	PF	Cultivation practice to meet the demand of edible oil	2	20	5	25	3	2	5	30
05-06.11.22	PF	Raton Mgt. in sugar cane for higher productivity	2	21	4	25	3	2	5	30
Horticulture										
16-17.01.22	PF	Production technology of Cucurbits	2	25	-	25	5	-	5	30
20-22.06.22	PF	Commercial cultivation of banana and papaya	2	20	-	20	5	-	5	25
02-03.07.23	PF	Commercial cultivation of Cole crop	2	15	5	20	3	2	5	25
06-07.10.23	PF	Organic production of horticultural crops	2	25	5	30	3	2	5	35
		Total	8	85	10	95	16	4	20	115
Livestock prod.										
16-17.07.23	PF/FW	Symptom prevention and control of contagious disease.	2	20	5	25	3	2	5	30
17-18.09.23	PF	Management of broiler	2	16	-	16	4	-	4	20
18-19.10.23	PF/FW	Preparation of ration of different categories animal	2	22	6	27	3	-	3	30
		Total	6	57	11	68	10	2	12	80
Home Sc.										
20.02.23	PF	Storage loss minimization techniques	2	-	20	20	-	5	5	25
15.07.23	PF	Management of nutritional kitchen gardening.	2	-	20	20	-	5	5	25
10.09.23	PF	Minimization of Nutritional Losses through preservation.	2	-	25	25	-	5	5	30
		Total	6	-	65	65	-	15	15	80
Plan prot.										
20-22.01.23	PF	I.D.M. in Vegetable crops	2	20	3	23	5	2	7	30
17-18.02.23	PF	Insect management in storage	2	25	5	30	3	2	5	35
19-20.02.23	PF	Insect mgt. in sugar cane	2	15	5	20	3	2	5	25
03-04.07.23	PF	Insect management in Rice	2	23	5	28	5	2	7	35
22-22.11.23	PF	Insect management in Pulses	2	23	5	28	5	2	7	35
		TOTAL	10	106	23	129	22	10	31	160
Capacity Building										
10-11.01.23	PF	IFS module for income generation	2	20	-	20	5	-	5	25
09-09.06.23	PF	Risk minimization in agriculture	2	20	-	20	5	-	5	25

17-18.07. 23	PF	Interpersonal development in men	2	20	-	20	5	-	5	25
05-06.11-23	PF	Interpersonal development in women	2	20	-	20	5	-	5	25
02-03.12. 23	PF	Formation & mgt. of SHG in women	2	20	-	20	5	-	5	25
		TOTAL	10	100	-	100	25	-	25	125
Soil Health										
13-14.10.23	PF	Soil health mgt.	2	25	5	30	-	5	5	35
		TOTAL	2	25	5	30	-	5	5	35

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	
Crop Production										
28.09.23	PF	Intercropping in autumn S.cane in different condition	1	16	5	21	2	2	4	25
13.06.23	PF	Groundnut production technique	1	16	5	21	2	2	4	25
25.06. 23	PF	Techniques of sowing of rice in different condition	1	20	5	25	3	2	5	30
07.07. 23	PF	Weed control in low land rice	1	18	3	21	2	2	4	25
10.10. 23	PF	Improved Lentil cultivation technique	1	22	4	26	2	2	4	30
18.10.23	PF	Use of bio fertilizer technique	1	22	3	25	3	2	5	30
20.10. 23	PF	Diversification in rice wheat system	1	16	4	20	2	3	5	25
02.11. 23	PF	Water management in wheat	1	15	2	17	4	4	8	25
08.11. 23	PF	Weed control in wheat	1	15	4	19	4	2	6	25
28.12. 23	PF	Weed control in sugarcane	1	17	2	19	4	2	6	25
28.09.23	PF	Intercropping in autumn S.cane in different condition	1	16	5	21	2	2	4	25
		TOTAL	11	193	42	235	30	25	55	290
Horticulture										
28.01.23	PF	Prod. of cucurbits	1	25	-	25	5	-	5	30
05.02.23	PF	Micro irrigation in fruit crops	1	30	-	30	5	-	5	35
10.05. 23	PF	Protected veg. nursery production	1	22	-	22	3	-	3	25
15.05. 23	PF	Prod. Technology Pointed Guard	1	24	-	24	6	-	6	30
14.06. 23	PF	Production and marketing of banana	1	30	-	30	4	1	5	35
18.06. 23	PF	Production tech. of Papaya	1	29	2	31	4	-	4	35
12.07. 23	PF	Production technology of kharif onion	1	25	5	30	5	-	5	35
10.08. 23	PF	Biological control of pest in veg.crop	1	20	-	20	5	-	5	25
11.09. 23	PF	Mushroom Production	1	25	-	25	5	-	5	30
08.10. 23	PF	Cult. tech. in Cole crop	1	28	2	30	5	-	5	35
12.10. 23	PF	Production tech. of Tomato	1	25	5	30	4	1	5	35
28.10. 23	PF	Importance of veg. intercrop in SC	1	20	3	23	2	-	2	25
		TOTAL	12	303	17	320	53	2	55	375
Live Stock Production.										
07.02.23	PF	Care and mgt. of pregnant animals	1	23	2	25	3	2	5	30
28.02.23	PF	Control of diarrhea in newly born calves.	1	22	2	24	5	1	6	30

16.06.23	PF	Control of external and internal parasite in animals	1	22	3	24	4	2	6	30
15.07.23	PF	Clean milking	1	22	3	25	4	1	5	30
20.06.23	PF	Symptom, prevention and control of foot and mouth disease.	1	22	3	25	2	3	5	30
18.08.23	PF	Preparation of milk product.	1	22	4	25	2	3	5	30
17.09.23	PF	Control of external parasite in Goat	1	17	-	17	3	-	3	20
28.09.23	PF	Management in layer bird	1	20	2	22	3	-	3	25
19.10.23	PF	Feed management in milch animal	1	22	4	25	3	2	5	30
10.11.23	PF	Goat rearing	1	22	2	24	4	2	6	30
04.12.23	PF	Preparation of balance feed for animals.	1	22	3	25	4	1	5	30
		TOTAL	11	233	28	261	37	17	54	415
Home Sc.										
11.07.23	PF	Management of Kitchen Gardening	1	-	12	12	-	3	3	15
09.08.23	PF	Importance of fruits & Value addition	1	-	13	13	-	2	2	15
07.09.23	PF	Use of decomposer for composting	1	-	20	20	-	5	5	25
10.11.23	PF	Value addition in vegetable	1	-	13	13	-	2	2	15
12.11.23	PF	Safe grain storage	1	-	15	15	-	5	5	20
20.10.23	PF	House hold fruit security	1	-	22	22	-	4	4	25
		TOTAL	6		94	94	-	22	22	115
Plant Protection										
07.01.23	PF	Pest management in vegetable crops	1	23	1	24	6	-	6	30
05.03.23	PF	Pest control in grain storage	1	15	-	15	10	-	10	25
05.05.23	PF	Safety use of agro chemical	1	30	5	35	5	-	5	40
18.04.23	PF	Beetle management in banana	1	25	10	35	5	-	5	40
25.04.23	PF	Borer management in Sugarcane	1	30	5	35	5	-	5	40
20.07.23	PF	Nematode mgt. in vegetable crops	1	30	5	35	5	-	5	40
12.09.23	PF	Use of Bio agent in Lentil & Chick pea	1	22	8	30	3	2	5	35
10.08.23	PF	Integrated disease mgt. in rice	1	20	5	25	5	-	5	30
22.06.23	PF	I.D.M. in sesame & G.nut	1	22	5	27	3	-	3	30
18.10.23	PF	Seed treatment of cereals & Pulses	1	35	5	40	4	1	5	45
22.10.23	PF	Insect mgt. in Tuber crop	1	20	8	28	5	2	7	35
07.12.23	PF	Rust management in wheat	1	23	7	30	4	1	5	35
20.10.23	PF	Disease management in fruit crop	1	24	12	36	3	1	4	40
		TOTAL	13	319	77	395	63	7	70	465
Fisheries										
04.06.23	PF	Feed mgt. in fish production	1	20	-	20	5	-	5	25
		TOTAL	1	20	-	20	5	-	5	25
Soil health										
06.06.23	PF	Soil testing & fertilizer Mgt.	1	13	7	20	3	2	5	25
01.07.23	PF	Micro nutrient deficiencies in crops	1	15	5	20	3	2	5	25
12.06.23	PF	Integrated nutrient mgt.	1	20	3	23	5	2	7	30
		TOTAL	3	48	15	63	11	6	17	80
Extension										
09.01.23	PF	Leadership Development in farmer	1	-	25	25	-	5	5	30
20.01.23	PF	Awareness about IPR	1	20	6	26	4	-	4	30

12.02.23	PF	Risk minimization at farmer level	1	20	-	20	5	-	5	25
05.06.23	PF	Entrepreneurship development of farmers	1	20	7	27	3	-	3	30
02.07.23	PF	IFS module for income generation	1	-	30	30	-	-	-	30
04.08.23	PF	Formation & management of SHGs	1	20	5	25	5	-	5	30
05.09.23	PF	Leadership development in Women	1	-	25	25	-	5	5	30
06.10.23	PF	Formation & management of SHGs for women	1	22	5	27	6	2	8	35
08.11.23	PF	Importance of sanitation	1	22	8	30	4	1	5	35
07.12.23	PF	Linkages of SHGs with line departments	1	20	8	28	5	2	7	35
TOTAL			10	144	124	268	32	15	47	315

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Nadep	Integrated farming	Production of nadep compost	Jan.	5	15	-	15	5	-	5	20
Dairy	Dairy	Management of milch buffalo	Feb.	5	15	-	15	5	-	5	20
Goatry	Goatry	Goatry for women	April	5	15	-	15	5	-	5	20
Dairy	Dairy	Management of milch cattle	July	5	15	-	15	5	-	5	20
Mushroom	Nutritional security	Mushroom production	Sep.	5	15	-	15	5	-	5	20
Vegetable crops	Off season veg. production	Protected cultivation of vegetable crops	Sep.	5	15	-	15	5	-	5	20
Poultry	Poultry	Poultry Farming	Oct.	5	30	-	30	10	-	10	40
Wheat	Crop Production	Seed production tech. of wheat at village level	Oct.	5	15	-	15	5	-	5	20
Organic forming	Organic	Production technique of organic forming	Oct.	5	15	-	15	5	-	5	20
Fruits & vegetables	Value addition	Value addition of vegetable crops	Dec.	5	15	-	15	5	-	5	20
Total					50	165	-	165	55	55	220

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
02.03.02. 23	Ext. fun.	Biological control pest & disease in vegetables	2	45	-	45	5	-	5	50
28-29.04. 23	Ext. fun.	Management of farm animal	2	45	-	45	5	-	5	50
09-10.05. 23	Ext. fun.	Productivity enhancement in kharif crop	2	45	-	45	5	-	5	50
22-23.06. 23	Ext. fun.	Integrated pest management in kharif	2	45	-	45	5	-	5	50
26-27.07. 23	Ext. fun.	Production & use of organic manure	2	45	-	45	5	-	5	50
25-26.08.23	Ext. fun.	Mushroom production	2	45	-	45	5	-	5	50
10-11.09.23	Ext. fun.	Integrated nutrient management	2	45	-	45	5	-	5	50
22-23.09. 23	Ext. fun.	Integrated pest management in Rabi crop	2	45	-	45	5	-	5	50
15-16.10. 23	Ext. fun.	Productivity enhancement in Rabi crop	2	45	-	45	5	-	5	50
28-29.11. 23	Ext. fun.	Protected Cultivation tech. of hort. crop	2	45	-	45	5	-	5	50
12-13.12. 23	Ext. fun.	WTO & IPR in agriculture	2	45	-	45	5	-	5	50
		Total	22	495		495	55		55	550

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programme											
Watershed mgt.	BSA	PF/EF	Watershed Management	3	120	-	120	30	-	30	150
Ext. service	Agri. Deptt.	PF/Ry	Input dealer training	2	40	-	40	10	-	10	50
Fruit prod.	Dept of Hort.	PF/Ry	Production tech. of Fruits	2	175	25	200	5	3	8	208
Forage production	DASP & AH	PF/Ry	Paravet training	2	35	5	40	2	10	12	52
			Total								
b) Sponsored research programme											
			Total								
c) Any special programmes											
			Total								

DETAILS OF ACTION PLAN OF KVKs DURING 2023-23 (January, 2023 to December, 2023)

KVK, FARRUKHABAD

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, Jajpur Banjara, Mohamadabad, Farrukhabad Pin-209602	Office	FAX	kvkfarrukhabad@gmail.com	www.kvkfarrukhabad

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

Address	Telephone		E mail	Website
	Office	FAX		
C.S. Azad University of Agriculture & Technology, Kanpur-2	0512-2549106	0512-2533808	N.A.	www.csau.ac.in

1.2.b. Status of KVK website : Yes

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




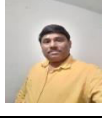

1.2.d Status of ICT lab at your KVK : Nill

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. V.K. Sharma (Head & Senior Scientist)	-	9415364304	kvkfarrukhabad@gmail.com, sharmavk1908@gmail.com

1.4. Year of sanction (as per MOU) 2005 :

1.5. Staff Position (as on 31.09.2023)

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 & Senior Scientist	Dr. V. K. Sharma	Head & Senior Scientist	Head & Senior Scientist	Rs.37400-67000/-	Rs. 9000	196700	12.01.2001	Permanent	GN	9415364304	Sharmavk1908@gmail.com	
2	Scientist	Vacant		Soil Science									
3	Scientist	Dr. Mahendra Prasad	Scientist	Animal Husbandry	Rs.15600-39100/-	Rs. 7000	41560	30/11/04	Permanent	OBC	9451013561	mahendrarajbhar614@gmail.com	
4	Scientist	Dr. Sanjay Kumar	Scientist	Horticulture	Rs.15600-39100/-	Rs. 8000	110400	02/12/04	Permanent	SC	9450345764	sanjaykvksa@gmail.com	
5	Scientist	Vacant	Scientist	Extension									
6	Scientist	Sri. Arvind Kumar	Scientist	Agronomy	Rs.15600-39100/-	Rs. 6000	35800	04/12/04	Permanent	SC	9565855002		
7	Scientist	Dr. Abhimayu	Scientist	Plant protection	Rs.15600-39100/-	Rs. 8000	110400	16/07/1975	Permanent	OBC	7985654086		

8	Scientist	Dr. Alka Katiyar	Scientist	Home Science	Attached in Krishi Vigyan Kendra, Fatehpur.								
9	Computer Programmer	Vacant	Computer Programmer	-									
10	Lab Assistant	Vacant	Lab Assistant	-		-	-	-	-	-	-	-	
11	Farm Manager	Vacant	Farm Manager	-				-	-	-	-	-	-
12	Accountant / Superintendent	Vacant	Accountant / Superintendent					-	-	-	-	-	-
13	Stenographer	Sri Arvind Kumar	Stenographer	-	Rs.29200-92300	Level-5	41600	01/04/1982	Permanent	SC	9838522013	Kumararvind.1482@gmail.com	
14	Driver (Jeep)	Braham Kumar Dubey	Driver (Jeep)	-	Rs.5200-20200	Rs. 1900	28700	10/10/09	Permanent	GN	8545070722	Attached in Directorate of Extension	
15	Driver (Tractor)	Sri Krishan Kumar	Driver (Tractor)	-	Rs.5200-20200	Rs. 2800	38100	07/05/05	Permanent	OBC	9450128315		
16	Supporting staff	Ram Pal Singh	Supporting staff	-	Rs.5200-20200	Rs. 1800	27600	01/08/08	Permanent	OBC	7376417784		
17	Supporting staff	Ram Vilas	Supporting staff	-	Rs.5200-20200	Rs. 1800	22200	16/08/14	Permanent	OBC	9793837053		

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.14
2.	Under Demonstration Units	0.40
3.	Under Crops	0.80 Seed production
4.	Dhaincha (Green maturing)	1.50
5.	Natural Farming	0.40 Dhaincha
6.	Horticulture	2.00 Proposed for horticultural crops
7.	Pond	0.20
8.	Others if any	14.56
	Total	20.00 ha

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	March 31, 2007	540	3226806.51	15.12.06		complete		
2.	Farmers Hostel	ICAR	March 31, 2007	305	2371056.58	15.12.06		Incomplete		
3.	Staff Quarters (6)	ICAR	March 31, 2007	400	3045015.70	15.12.06		Incomplete		
4.	Demonstration Units (2)	ICAR	March 31, 2007	16041	-	-	-	-		
5.	Fencing	ICAR	March 31, 2007		620791.88	15.12.06		Incomplete		
6.	Rain Water harvesting system	ICAR	March 31, 2007	-	-	-	-	-		
7.	Threshing floor	ICAR	March 31, 2007		181000.00	15.12.06		Nil		
8.	Farm Godown	ICAR	March 31, 2007		522000.00	15.12.06		complete		
9.	Other	-	-	-	-	-	-	-		
10.	...									

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status	Required replacement
Bolero Jeep UP-77G 0089	2005	401971	276520	Not in good condition	For condom & Need New Purchases
Tractor UP-78 AT 4326	2005	348251.33	112374	Not in Good Condition	Need repairing
Motor Cycle UP 76 G-0113	2010	50000.00	61457	Bad Condition	Need Replacement

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status	Required replacement
Cultivator	31.3.2005	12265.00	Bad Condition	Need Replacement
Trolley	31.3.2005	52000.00	Bad Condition	Need Replacement
Disc Harrow	31.3.2005	22500.00	Bad Condition	Need Replacement
Seed Drill	31.3.2005	22300.00	Bad Condition	Need Replacement
Leveler	31.3.2005	7500.00	Bad Condition	Need Replacement

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

Sl.No.		Date
1.	Scientific Advisory Committee	11.11.2021

2. DETAILS OF DISTRICT

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

S. No.	Farming system/enterprise
1	<p>Agriculture/Horticulture/Animal Husbandry: Farukhabad is located in the western corner of Kanpur division of U.P. with a geographical area of 228830 ha. It is a part of Central Plain Zone. The Distt. has seven development blocks and important rivers are Ganga, Ram Ganga, Kali & Ishan. Here, 56% of the farmers have less than 0.5 ha of land and cumulatively about 78% possess less than 1.0 ha land. 14% of farmers have land between 1-2 ha and remaining 8% have more than 2.00 ha of land.</p> <p>Maize, potato, wheat, vegetables, mango & guava & sugar cane are the important crops. However, major area is covered by maize, potato & wheat crops. Buffalo occupies position number one in population of live stocks in the District followed by cattle & goat respectively. Buffalo population is increasing at the rate of 16 percent per annum against the figure of 10.1% of U.P. The population of cattle has shown a positive growth.</p>

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	AES-I	Maize, potato, wheat, vegetable, mango, Cows, buffaloes, goat, poultry etc.
2	AES-II	Maize, potato, wheat, summer-vegetable, mango, guava, Cows, buffaloes, goat, etc.
3	AES-III	Rice, Wheat, Cows, buffaloes, goat, etc.

b) Topography

S. No.	Agro ecological situation	Characteristics
1		
2		

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Loam	Medium to course texture, low water holding capacity, deficient in organic carbon. pH = 7.8 – 8.3; Cultivable crops includes- Maize, potato, wheat, fodder, vegetable, mango, Cows, buffaloes, goat, etc.	148205
2	Sandy loam	Course to very course texture, very poor in water holding capacity, deficient in nutrients and soil organic carbon. pH = 7.3 -- 7.8; Cultivable crops includes- Maize, potato, wheat, summer-vegetable, mango, guava, Cows, buffaloes, goat, etc	71112
3	Clay loam	Fine to medium in texture, good water holding capacity, low to medium in coil organic carbon. pH = 8.5 –10.0; Cultivable crops includes- Rice, Wheat, Cows, buffaloes, goat, etc.	7733

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

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Wheat	76755.0	346970	45.2
2	Barley	1355.00	4664	34.42
3	Gram	651	931	14.3
4	Pea	1076	1074	9.98
5	Lentil	1535	1756	11.44
6	Mustard	7231	10590	14.65
7	Paddy	13978	46.624	33.36
8	Maize	34141	150.416	44.06
9	Sorghum	1.842	2.655	19.78
10	Pearl millet	4.090	8.361	20.44
11	Urd	1.617	1.318	8.15
12	Mung	0.087	0.054	6.71
13	Groundnut	0.997	1.172	11.76
14	Til	3.255	0.779	2.39
15	Pigeon pea	4073	48876	12.0
16	Potato	34860	1028370	295
17	Fruits	15950	142500	
18	Vegetables	45710	870500	
19	Gladiolus	100		
20	Marigold	50		
22	Hi-tech Horticulture	2000M ²		
22	Drip & Irrigation	50		

Source: District agriculture department.

2.5. Weather data

S. No	Month	Rainfall (mm)	Temperature 0 C	
			Maximum	Minimum
1.	Jan-2023	26.5		
2.	Febr-2023	12.73		
3.	March-2023	0		
4.	April – 2023	0		
5.	May- 2023	11.96		
6.	June – 2023	15.6		
7.	July – 2023	49.6		
8.	August – 2023	45.4		
9.	Sep.- 2023	-		
10.	Oct – 2023	-		
11.	Nov. – 2023	-		
12.	Dec. - 2023	-		

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	125104	8-10 lit/day	N.A.
<i>Indigenous</i>	111255	3-5 lit/day	N.A.
Buffalo	237392	4-7 lit/day	N.A.
Sheep	13108		N.A.
Crossbred	Nil.	N.A.	N.A.
<i>Indigenous</i>	13353	N.A.	N.A.
Goats	151226	6-8 kg after 6 months	N.A.
Pigs	18548		N.A.
<i>Crossbred</i>	510	80 kg after 6 months	N.A.
<i>Indigenous</i>	17962	30-35 kg after 6 months	N.A.
Rabbits	564	N.A.	N.A.
Poultry			
Hens	-	N.A.	N.A.
<i>Desi</i>	53591	N.A.	N.A.
Category		Production (Q.)	Productivity
Fish (Reservoir)	-		

*Statically 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
Sadar Farrukhabad	Barhpur	Khanpur	Maize potato, wheat,, vegetable, Cows, buffaloes etc.	Low productivity. Poor health of animals. Lack of awareness & scientific technologies.	Organic farming and nutrient management. Popularizing high yielding varieties/ technologies Promotion of income generation activities.
		Janaiya sataiya	Maize potato, wheat,, vegetable, Cows, buffaloes etc.	Low productivity. Poor health of animals. Lack of awareness & scientific technologies.	Organic farming and nutrient management. Popularizing high yielding varieties/ technologies Promotion of income generation activities.
		Garhia	Maize, Rice, wheat, Potato, Vegetables, Dairy,	Low productivity of crops. Poor health and income. Low milk yield in cow and buffaloes. Lack of awareness	Organic farming and nutrient management. Popularizing high yielding varieties/ technologies Intensive farming, Promotion of income generation
		Gutasi, Kiratpur & Ajmatpur	Maize, Rice, wheat, Potato, Vegetables, Dairy,	Low productivity of crops. Poor soil health. Low milk yield in cow and buffaloes. Lack of awareness regarding	Organic farming and nutrient management. Popularizing high yielding varieties/ technologies, improvement in production/ productivity. Promotion of income generation
Sadar Farrukhabad	Mohammadabad	Janaiya-Sathiya	Maize, Rice ,wheat, moong, groundnut, Vegetables. Mango. Guava, Dairy,	Low productivity of crops. Low yield of milk. Lack of scientific technologies, Poor soil health management	Popularizing high yielding varieties/ technologies Intensive farming/ improvement in production/ productivity.
		Sirauli	Maize , potato, moong, urd , mustard , Vegetables, Dairy,	Poor soil health. Low milk yield in cow and buffaloes. Pests and diseases in crops	Popularizing high yielding varieties/ technologies Intensive farming/ improvement in production/

				Lack of awareness regarding	productivity. Promotion of income generation.
Sadar Farrukhabad	Kamalganj	Chauki mahamadpur	Maize, Rice ,wheat, moong, groundnut, Vegetables. Mango. Guava, Dairy,	Poor soil health. Low milk yield in cow and buffaloes. Lack of awareness regarding	Popularizing high yielding varieties/ technologies Intensive farming/ improvement in production/ productivity. Promotion of income generation
		Niyamatpur thakuran	Maize potato, wheat,, vegetable, Cows, buffaloes etc.	Low productivity of crops. Low yield of milk. Lack of scientific technologies, Poor soil health management	Organic farming and nutrient management. Popularizing high yielding varieties/ technologies Promotion of income generation activities.

2.8 Priority thrust areas

Crop/Enterprise	Thrust area		
Maize	Integrated Nutrient Management, Integrated Weed management , RCT, Varietal evaluation		
Paddy	Weed management , Integrated pest management , Varietal evaluation micro nutrient management		
Potato	Integrated Nutrient Management, Integrated pest and disease management, Potato based cropping system		
Wheat	Varietal evaluation for timely late sown condition, Integrated Nutrient Management Integrated weed management		
Groundnut	Varietal evaluation, Integrated weed management, Integrated Pest Management Crop diversification , Disease management		
Mustard	Varietal evaluation , Weed management , Micro nutrient & pest management		
Chickpea	Weed management , IPM		
Mung / Urd/ Pigeon pea	Weed management , Micro nutrient management, Integrated pest and disease management		
Vegetables	Varietal evaluation and new production technology , Integrated pest and disease management, Hi- tech horticulture based cropping system , Integrated Nutrient Management		
Fruit plant	Crop diversification through agro-horti. based system, Integrated pest and disease management, Rejuvenation of old, Orchard based cropping system		
Animals	Breed improvement , Feed management , Disease management , Value addition		
Usar land	Varietal evaluation , Usar reclamation		

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
9	40	74.55	300

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2000	312	13940

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)
-	20000	-	50	150

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)
40	-	-	100

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	Poor yield due to late sowing and improper weed management and pest management	Wheat, Paddy and Maize	isoproturon is reported ineffective by the farmers in controlling <i>Phalaris minor</i> in wheat.	Varietal evaluation wheat	1. Chemical weed control. 2. Demo of late sown wheat. 3. Application of chemical fertilizers with bio-fertilizer in cereals	1. INM in wheat, paddy and maize 2. Seed production wheat.	Weed Management in kharif crops	Field Day on demonstration site	Seed; Fertilizers. Sulfosulfuron.
2	Prevalence of local & poor quality cultivars	Potato	Low yield of Potato pest and diseases	1. new varieties of potato 2. Fertilizer use efficiency. 3. Use sulphur and gypsum	1. Control of termite. 2. NPK and micro nutrient. 3. Control of disease with Tricoderma. 4. Blight management Mancozeb+Metal axil	1. Seed treatment of potatoes. 2. Cultivation of garlic 3. INM leaf curl. Cut worm and Aphids in potatoes.	1. Integrated Nutrient management in vegetable crops.	Field Day on demonstration site.	Seed; Fertilizers; Fungicides, bio-agents.
3	Low productivity of pulses .	Chickpea/ Urd/ Moong/ Pigeon pea	Availability of old & local varieties and poor management.	Nil	1. Improve variety, seed treatment and fertilizer management. 2. Seed treatment with fungicides. 3. Balance use of fertilizers.	1. Weed management 2. bio-fertilizers. 3. Nutrient management 4. Management of wilt in pulses .	1. Integrated nutrient management 2. Use of Bio-control agents in different crops.	Field Day on demonstration site.	Seed; Fertilizers; Fungicides, bio-agents.
4	Varietal evaluation	Tomato	Low yield of tomato due to no use of OP variety	Evaluation OP cultivar of tomato	Raised bed double row system	Management of tomato crop	Integrated crop management in tomato crops.	Field Day on demonstration site.	Seed; Fungicides. .
5	Post harvest management of onion & garlic	Onion	Decay loss & low post harvest life	Evaluation of post harvest technology of onion & garlic	Use of chemicals management of postharvest disease	Management of onion crop	Integrated crop management onion crops.	Field Day on demonstration site.	Chemicals & hormone

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	Buffaloes	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	1	1	1		1					4
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management		1			2					3

Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management										
Disease Management					2					2
Feed Supplement										
Resource conservation technology										
Small Scale income generating enterprises				1						1
TOTAL	1	2	1	1	5					10

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

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 / refined in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management	1							1
Disease of Management	1							1
Value Addition								
Production and Management								
Feed and Fodder								
TOTAL	2							2

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

1	Crop/Enterprise	Summer Black gram
2	Title of on-farm trial	Varietal evaluation of Summer Black gram
3	Problem diagnosed	Poor yield due to use old and local variety
4	Farming situation	Irrigated
5	Production system	Maize-Potato- Summer Black Gram
6	Thematic area	Varietal evaluation
7	Details of technologies selected for assessment/refinement	
	T₁	Farmer's Practice (Shekhar-2)
	T₂	Pant Urd-19
8	Source of technology	G.B. Pant Agril. Uni. Pant Nagar, Utrakhand.
9	No. of farmers	5
10	Critical input	Seed
11	Performance indicators	

	Technical	Crop yield
	Economic	BCR
	Social	Farmers perception

OFT-2

1	Crop/Enterprise	Mustard
2	Title of on-farm trial	Varietal evaluation of timely shown
3	Problem diagnosed	Low yield due to use old and local variety
4	Farming situation	Irrigated
5	Production system	Maize-Mustard- Summer Green Gram
6	Thematic area	Varietal evaluation
7	Details of technologies selected for assessment/refinement	
	T ₁	Farmer's Practice (Varuna)
	T ₂	Azad Mahak
8	Source of technology	C.S.A.U. Agri. & Tech., Kanpur
9	No. of farmers	5
10	Critical input	Seed
11	Performance indicators	
	Technical	Crop yield
	Economic	BCR
	Social	Farmers perception

OFT-3

1	Crop/Enterprise	Wheat
2	Title of on-farm trial	Varietal evaluation of timely sown wheat in irrigated condition.
3	Problem diagnosed	Low yield of wheat due to farmers used old local varieties.
4	Farming situation	Irrigated
5	Production system	Maize-Wheat-Summer Green Gram
6	Thematic area	Varietal evaluation
7	Details of technologies selected for assessment/refinement	
	T ₁	Farmer's Practice (PBW-343)
	T ₂	DBW-187 (Karan vandana)
8	Source of technology	D.W.R. Karanal
9	No. of farmers	5
10	Critical input	Seed of recommended varieties of wheat
11	Performance indicators	
	Technical	Crop yield
	Economic	BCR
	Social	Farmers perception

OFT-4

1	Crop/Enterprise	Tomato
2	Title of on-farm trial	Assessment of high yielding variety with planting distance.
3	Problem diagnosed	Low yield of tomato due old and susceptible variety and old Planting system.
4	Farming situation	Irrigated
5	Production system	Maize-Potato-Tomato
6	Thematic area	Varietal evaluation

7	Details of technologies selected for assessment/refinement	
		T₁ Farmer's Practice – use of local hybrids + Bed system
		T₂ Arka Rachhak (Planting distance 90x45x30 cm) BBFS
8	Source of technology	IIHR, Bangalore
9	No. of farmers	5
10	Critical input	Seed or Seedlings
11	Total Cost	5000:00
12	Performance indicators	
	Technical	Yield, performance and quality of fruits
	Economic	BCR
	Social	Impact of technology

OFT-5

1	Crop/Enterprise	Shimla Mirch
2	Title of on-farm trial	To increase growth and yield in shimla mirch (Capsicum) by growth regulator.
3	Problem diagnosed	Low yield, Fruit and leaves drop, delay in colour development in shimla mirch
4	Farming situation	Irrigated
5	Production system	Maize- Shimla mirch- Urd
6	Thematic area	ICM
7	Details of technologies selected for assessment/refinement	
		T₁ Farmer's Practice (No use of hormone)
		T₂ Planofix (4.5% NAA) @ 0.25 ml/litre of water at full bloom stage (Bharat)
8	Source of technology	IARI, NEW DELHI
9	No. of farmers	5
10	Critical input	Seed & chemical
11	Total Cost	5000.00
12	Performance indicators	
	Technical	Fruit and leaves drop %, maturity in days
	Economic	BCR
	Social	Impact of technology

OFT-6

1	Crop/Enterprise	Buffalo
2	Title of on-farm trial	Assessment of feed supplement in milch animals.
3	Problem diagnosed	Low milk production and poor health of buffaloes due to imbalance ration
4	Farmers Practices	Imbalance feeding
5	Details of technologies selected for assessment/refinement	
		T₁ Farmer's Practice (Without supplement of feed)
		T₂ T ₁ +Bypass fat (100 gram/day/animal)
6	Source of technology	NDRI, Karnal
7	No. of farmers	05
8	Critical input	Bypass fat
9	Total Cost	2000.00
10	Performance indicators	

(i) Technical	1. Milk Production 2. Weight gain
(ii) Economic	1. Additional cost and profit 2. C:B ratio
(iii) Social	Feedback and farmers reaction

OFT-7

1	Crop/Enterprise	Buffalo
2	Title of on-farm trial	Assessment of dry animal therapy to control mastitis in buffaloes
3	Problem diagnosed	High Incidence of mastitis disease in dairy buffalo resulting in lower productivity and profitability of dairying
4	Farmers Practices	Washing of udder with water before milking
5	Details of technologies selected for assessment/refinement	
	T ₁	F.P. + washing of udder with KMNO ₄ solution before and after milking
	T ₂	T ₁ + Buffalo therapy (Antibiotic administration by intra mammary infusion at once for each teat of udder at 8-9 months of pregnancy)
6	Source of technology	IVRI, Izatnagar Bareilly
7	No. of farmers	05
8	Critical input	Streptopenicillin intra mammary infusion
9	Total Cost	3000.00
10	Performance indicators	
	(i) Technical	Incidence of mastitis
	(ii) Economic	Cost Benefit ratio
	(iii) Social	Farmers Acceptability

OFT-8

Assessment of suitable control measure for Management of chili leaf deformation

Chili (*Capsicum annuum* L.) is one of the major spice crops growing in large scale in the district. In the recent past, chili leaf deformation has emerged as a serious constraint to chili production in the district Farrukhabad due to combined effect of insect pest damage, Viral disease, yellow mite, abiotic disorders, etc. Farmers are probably applying several insecticides to prevent them but mite problem can not manage. Therefore, a plan designed to conduct the On Farm Trail in farmer fields.

1	Crop/Enterprise	Chili Crop
2	Title of on-farm trial	Assessment of suitable control measure for Management of chili leaf deformation
3	Problem diagnosed	Low yield of chili due to leaf deformation (combined effect of insect pest damage, Viral disease, yellow mite)
4	Farming situation	Irrigated
5	Production system	Maize- chili- Maize
6	Thematic area	Disease Management
7	Details of technologies selected for assessment/refinement	
	Farmer's Practice (T ₁)	8-10 Spray Imidachloprid 17.8 % alone and with other combined insecticides
	T ₂	3 spary Of Spray 0.5 ml Imidachloprid 17.8 % + 2 ml Propergite 57% with alternation of 5% neem leaf extract
8	Source of technology	Regional station- TNUAT, Tamilnadu
9	No. of farmers	3
10	Critical input	Imidachloprid 17.8 % and Propergite 57%
11	Performance indicators	
	Technical	Yield, Disease%

	Economic	BCR
	Social	Acceptable

OFT-9

Assessment of suitable control measure for Management of Sclerotinia rot of Mustard.

Mustard is one of the important oil seed crop growing about 10,000 ha area in Farrukhabad District. The crop suffers from a number of diseases. Among the fungal diseases, Sclerotinia rot incited by *Sclerotinia sclerotiorum* has emerged as the most serious fungal disease of mustard in district Farrukhabad in the recent times which causes serious damage at various crop growth and seed development stages resulting in heavy losses to crop yields. Due to this disease, farmers are facing heavy yield losses and are therefore, discouraged to take this crop for cultivation in their fields. To avoid the prevalence and losses, on farm trial planned for conducting in next crop season at farmers field.

1	Crop/Enterprise	Mustard
2	Title of on-farm trial	Assessment of suitable control measure for Management of Sclerotinia rot of Mustard.
3	Problem diagnosed	Yield losses due to heavy infestation of Sclerotinia rot disease of Mustard
4	Farming situation	Irrigated
5	Production system	Maize – Mustard- Summer Mung
6	Thematic area	Pest Management
7	Details of technologies selected for assessment/refinement	
	Farmer's Practice (T ₁)	Spray of Mancozeb @ 0.25% after disease development
	T ₂	Seed treatment with Trichoderma powder @10g/kg seeds, Soil treatment with 2.5 kg Trichoderma powder mixed in 50 Kg FYM /ha. Spray of Carbendazim @ 0.2 % at disease appearance and need based one more Spray of Carbendazim @ 0.2 % at 15 days interval
8	Source of technology	NCIPM, New Delhi
9	No. of farmers	3
10	Critical input	Trichoderma powder, Carbendazim
11	Performance indicators	
	Technical	Incidence of disease, Yield,
	Economic	BCR
	Social	Acceptable

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	Groundnut	DH-86	IWM	Herbicidal control	Persuit (Imazethapyr) @ 750 ml/ha (post emergence)	Kharif-2023	5	20	Yield & Economics
2	Groundnut	TG 37A	Varietal	Improve variety (DH-86)	Seed @ 100Kg/ha	Kharif- 2023	1	5	Yield & Economics
3	Urd bean	Azad-2	Weed management	Control of grassy & broad leave weeds	Pendimethalin 30 EC @ 3.3 Lit/ha	Kharif -2023	2	10	Yield & Economics
4	Mustard	Varuna	Weed management	Weed control	Pendimethalin 30EC. @ 3.3 lt./ha	Rabi-2023	5	20	Yield & Economics
5	Mustard	Other	micronutrient	Response of Sulphur	Sulphur @25 kg/ha	Rabi-2023	4	20	Yield & Economics
6	Mustard	RH725	IPM	Insecticides and Neem Leaf Extract	Imidachloprid 17.8 % and Propergite 57%	Rabi-2023	4	10	Aphid incidence, Yield & Economics
7	Summer Groundnut	TG-37A	IWM	Weed management	Persuit (Imazethapyr) @ 750ml/ha (post emergence)	Zaid-2023	2	6	Yield & Economics
8	Summer Groundnut	TG-37A	Micro Nutrient	Response of sulphur	Phosphozypsum@250 kg/ha	Zaid-2023	3	15	Yield & Economics
9	Mungbean	IPM 2-14	Varietal	Varietal	Seed @ 25 kg /ha	Zaid-2023	3	15	Yield & Economics
10	Urdbean	Sekhar-2	Micronutrient	Response of S	Sulphur @ 25 Kg/ha	Zaid-2023	2	10	Yield & Economics
11	Paddy	Hybrid	Varietal	Pusa Sugandha-4	Seed @ 25 Kg/ha	Kharif-2023	2	20	Yield & Economics
12	Maize	Hybrid	IWM	Control of grassy and broad leaves weeds	pendimethalin 30 EC @ 3.3 l/h	Kharif-2023	5	10	Yield & Economics
13	Maize	Hybrid	IWM	Control of grassy and broad leaves weeds	Pendimethalin 30 EC @ 3.3 l/h	Zaid-2023	5	20	Yield & Economics
14	Maize	Hybrid	IPM	Use of Cartap hydrochloride 50% SP @ of 0.2% with alternation of neem leaf extract @5% for management of Insect-pest	Cartap hydrochloride 50% SP	Zaid-2023d	2	5	Pest incidence, Yield & Economics
15	Maize	Hybrid	Foliar Application	Spray of NPK (20:20:20)	3 Spray of 0.5% Solution of NPK 20:20:20 in 20 Days interval.	Kharif-2023	3	15	Yield & Economics
16	Wheat	PBW-343	Varietal	timely sown	K1317 @100 kg/ha	Rabi 2023	4	20	Yield & Economics
17	Wheat	PBW-343	Weed management	Control of Phalaris minor	Sulphosulphuron @33gm/ha	Rabi 2023	5	20	Yield & Economics
18	Wheat	PBW-343	Foliar application of Nutrient	NPK 20:20:20 water soluble Fertilizer	3 Spray of 0.5% solution of NPK 20:20:20 in 10 days interval	Rabi-2023	1	4	Yield & Economics
	Total						58	245	

Horticulture crop

S. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers	Parameter identified
1.									
2.	Tomato	Hybrids	Boron spray 0.25%	Double row raised bed planting	-	Zaid-2023	1.0	5	Yield and economics
3	Guava	Allahabad safed & L-49	ICM	Pruning and training	Training	Zaid -2023	1.0	5	Yield and economics
4	Water melon	Arka Mathura	Varietal	Seedless type variety	Seed	Zaid 2023	1.0	8	Yield and economics
5	Brinjal	Hybrid	IPM	Three spray of Indoxacarb 14.5 % SC (0.03 %) in alternation with three spray of Neem leaf extract (5%)	Indoxacarb 14.5 % SC (0.03 %)	Zaid, 2023	1	5	Pest incidence, Yield & Economics
6	Cucurbites	Hybrid	IPM	Fruit fly Traps 25/ha for management of Fruit fly	Fruit fly trap	Zaid-2023	2	5	Yield & Economics
7	Mango	Dashahari	PHM	Ripening of mango by ethrel for uniform ripening & Quality	Ethrel-100-150 ppm 100 litre water at 52+2 ^o C for 5 minute	Zaid & kharif, 2023	0.5	5	Quality Parameter & Economics
8	Bottlegaurd	VNR-Gutka	Hybrid	High yielding variety	Seed	Kharif-2023	0.5	3	Yield & Economics
9	Brinjal	VNR-228	Hybrid	High yielding variety	Seed	Kharif-2023	0.5	5	
10	Papaya	Red lady	Varietal	High yielding variety	Seed	Rabi-2023	0.5	5	Yield and economics
11	Cauliflower	S-92	Varietal	HYV & Late	Seed	Rabi-2023	0.5	5	Yield and economics
12	Cauliflower	Biofortified cultivar	Varietal	Pusa betakeshari	Sees	Rabi-22	0.25	5	Yield and economics
13	Tomato	Kashi Vishesh,	Varietal	Improved variety	Seedling/ seed	Rabi-23	1.0	5	Yield and economics
14	Cabbage& Cauliflower	Hybrid	RCT	ridge planting	Seed	Rabi-2023	1.0	8	Yield & Economics
15	Potato	Chipsona	Nutrient management	3 spray of 0.5% solution NPK 20:20:20	3 spray of 0.5% solution NPK 20:20:20	Rabi-2023	1	5	Yield & Economics
16	Potato	Chipsona	IDM	Seed treatment with Boric Acid @ 3 % and Soil Treatment with Trichoderma for management of Black Scurf and Common Scab @ 4 kg/ha	Boric Acid @ 3 % and Trichoderma @ 4 kg/ha	Rabi-2023	2	5	Disease incidence, Yield & Economics
17	Potato	Chipsona	IDM	Prophylactic spray of Mancozeb @ 0.2% at 30 DAS followed by Finamedan 10% + Mancozeb 50% (Sectin) @ 0.3% at disease initiation and one more spray of Mancozeb @ 0.25% after 7 days of second spray.	Mancozeb @ 0.2% , Finamedan 10% + Mancozeb 50% (Sectin)	Rabi-2023	2	5	Disease %, Yield & Economics
	Total						15.75	84	

CFLD- 2023-23

S.N.	Crop	Season	Year	Area (hac.)	No. of demonstration
1.	Mustard	Rabi	2023	20	50
2.	Black gram	Zaid/Kharif	2023	20	50
3.	Green gram	Zaid/Kharif	2023	20	50
4.	Groundnut	Zaid/Kharif	2023	20	50
5.	Seasamum (Till)	Kharif	2023	10	25
	Total			90	225

Sponsored Demonstration: As Per Need

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	15	Jan, 2023 to Dec, 2023	815
2	Farmers Training	25	Jan, 2023 to Dec, 2023	900
3	Media coverage	30	Jan, 2023 to Dec, 2023	Mass
4	Training for extension functionaries	8	Jan, 2023 to Dec, 2023	110

C. Details of FLD on Enterprises**i) Farm Implements/others**

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Mushroom	Dingery & Button	Rabi- 2023	10	Spawn		

Livestock - Fodder Production:

S. No.	Crop/enterprises	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers	Parameter identified
1.	Barseem	JB-1	Fodder Production	Improved Variety	Seed @ 25 kg/ha	Rabi -23	0.20	10	Yield and economics
2.	Oat	Improved Variety	Fodder Production	Improved Variety	Seed @ 35 kg/ha	Rabi-23	0.20	10	Yield and economics
3.	Sudan chari	Improved Variety	Fodder Production	Hybrid Variety	Seed @ 20 kg/ha	Zaid-23	0.20	10	Yield and economics
4.	Hybrid Napier	Improved Variety	Fodder Production	Hybrid Variety	Shoot @ 16000/acre	Kharif-23	0.20	10	Yield and economics
	Total						0.80	40	

Livestock Enterprises

Enterprise	Breed	No. of Farmers	No. of animals, poultry birds/ha. Etc.	Critical inputs	Performance parameters / indicators
Back Yard Poultry	Caribro Dhanraja Cari Priya	05	100	Chicks	Egg & Meat Production
Dewormer	Cow and Buffalo	100	500	Albidol	Health & Milk Production
Vaccination & diseases management	Cow and Buffalo	100	500	HS, FMD	Health & Milk Production
Feed Supplements	Cow and Buffalo	05	20	Agrimin Chilated	Health & Milk Production

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

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	4	49	12	61	16	3	19	80
Crop Diversification	2	24	8	32	6	2	8	40
Seed production	2	24	8	32	6	2	8	40
Integrated Crop Management	1	12	4	16	3	1	4	20
Total	9	109	32	141	31	8	39	180
II Horticulture								
Production of low volume and high value crops	6	48	14	62	14	4	18	80
Nursery raising	2	12	4	16	3	1	4	20
Protective cultivation (Green Houses, Shade Net etc.)	3	24	6	30	8	2	10	40
Cultivation of Fruit	2	24	8	32	6	2	8	40
Propagation techniques of Ornamental Plants	4	36	10	46	11	3	14	60
Total	17	144	42	186	42	12	54	240
IV Livestock Production and Management								
Dairy Management	01	10	06	16	02	02	04	20
Poultry Management	00	00	00	00	00	00	00	00
Disease Management	02	20	10	30	06	04	10	40
Feed management	03	25	15	40	16	04	20	60
Production of quality animal products	00	00	00	00	00	00	00	00
Total	6	55	31	86	24	10	34	120
VII Plant Protection								
Integrated Pest Management	1	15	0	15	5	0	5	20
Integrated Disease Management	1	15	0	15	5	0	5	20
Bio-control of pests and diseases	2	30	0	30	10	0	10	40
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0
Total	4	60	0	60	20	0	20	80
(B) RURAL YOUTH								
Integrated farming	2	15	7	22	5	3	8	30
Seed production	3	25	3	28	17	0	17	45
Production of organic inputs	1	9	0	9	6	0	6	15
Mushroom	1	10	0	10	5	0	5	15
Nursery	1	6	0	6	4	0	4	10
Protected cultivation of vegetable crops	1	7	0	7	3	0	3	10
Training and pruning of orchards	1	10	0	10	0	0	0	10
Value addition	1	10	00	10	00	00	00	10
Dairying	1	10	00	10	00	00	00	10
Poultry production	1	00	00	00	00	00	00	00
TOTAL (RY)	13	102	10	112	40	3	43	155
© Extension Personnel								
Productivity enhancement in field crops	2	24	4	28	9	3	12	40
Integrated Pest Management	2	24	4	28	9	3	12	40
Integrated Nutrient management	2	24	4	28	9	3	12	40
Rejuvenation of old orchards	1	8	0	8	2	0	2	10
Nursery management	2	14	1	15	5	0	5	20
Vegetable production	2	15	1	16	4	0	4	20
Protected cultivation technology	1	8	2	10	0	0	0	10

Value addition	1	0	14	14	0	6	6	20
Management in farm animals	2	22	0	22	14	4	18	40
Disease management	1	8	0	8	2	0	2	10
Dairy Management	1	20	00	20	03	00	03	20
Feed management	2	40	00	40	06	00	06	40
Disease management	1	20	00	20	03	00	03	20
Total	47	371	23	394	128	10	138	520
Total (EF)	96	841	138	979	285	43	328	1295

OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	5	60	20	80	15	5	20	100
Seed production	4	48	15	63	13	4	17	80
Total	9	108	35	143	28	9	37	180
II Horticulture								
Production of low volume and high value crops	2	24	6	30	8	2	10	40
Nursery raising	3	24	6	30	8	2	10	40
Grading and standardization	2	24	6	30	8	2	10	40
Training and Pruning	2	12	3	15	4	1	5	20
Cultivation of Fruit	1	12	3	15	4	1	5	20
Total	10	96	24	120	32	8	40	160
IV Livestock Production and Management								
Dairy Management	03	45	15	60	0	0	0	60
Disease Management	01	15	05	20	0	0	0	20
Total	04	60	20	80	0	0	0	80
VII Plant Protection								
Integrated Pest Management	2	30	5	35	5	0	5	40
Integrated Disease Management	2	30	5	35	5	0	5	40
Bio-control of pests and diseases	2	30	5	35	5	0	5	40
Production of bio control agents and bio pesticides								
Total	6	90	15	105	15	0	15	120
(B) RURAL YOUTH								
Dairying	01	10	00	10	00	00	00	10
Poultry Production	01	10	00	10	00	00	00	10
Value Addition	01	05	05	10	00	00	00	10
TOTAL	03	25	05	30	00	00	00	30
(C) Extension Personnel								
Dairy Management	01	20	00	20	03	00	03	20
Feed Management	02	40	00	40	06	00	06	40
Disease management	01	20	00	20	03	00	03	20
Total	04	80	00	80	12	00	12	80

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	9	109	32	141	31	8	39	180
Crop Diversification	2	24	8	32	6	2	8	40
Seed production	4	48	15	63	13	4	17	80
Nursery management	2	24	8	32	6	2	8	40
Integrated Crop Management	1	12	4	16	3	1	4	20
Total	18	217	67	284	59	17	76	360
II Horticulture								
a) Vegetable Crops								

Production of low volume and high value crops	8	72	20	92	22	6	28	120
Nursery raising	5	36	10	46	11	3	14	60
Grading and standardization	2	24	6	30	8	2	10	40
Protective cultivation (Green Houses, Shade Net etc.)	3	24	6	30	8	2	10	40
b) Fruits								
Training and Pruning	2	12	3	15	4	1	5	20
Cultivation of Fruit	3	36	11	47	10	3	13	60
c) Ornamental Plants								
Propagation techniques of Ornamental Plants	4	36	10	46	11	3	14	60
e) Tuber crops								
Processing and value addition	1	12	3	15	4	1	5	20
Total	27	240	66	306	74	20	94	400
IV Livestock Production and Management								
Dairy Management	4	55	21	76	2	2	4	80
Poultry Management								
Disease Management	3	35	15	50	6	4	10	60
Feed management	3	25	15	40	16	4	20	60
Production of quality animal products								
TOTAL	10	115	51	166	24	10	34	200
VII Plant Protection								
Integrated Pest Management	3	45	5	50	10	0	10	60
Integrated Disease Management	3	45	5	50	10	0	10	60
Bio-control of pests and diseases	4	60	5	65	15	0	15	80
Production of bio control agents and bio pesticides								
Total	10	150	15	165	35	0	35	200
GRAND TOTAL	65	732	194	916	197	47	244	1160
(B) RURAL YOUTH								
Integrated farming	2	15	7	22	5	3	8	30
Seed production	3	25	3	28	17	0	17	45
Production of organic inputs	1	8	0	8	2	0	2	10
Mushroom	1	10	0	10	5	0	5	15
Bee keeping								
Nursery	1	6	0	6	4	0	4	10
Protected cultivation of vegetable crops	1	7	0	7	3	0	3	10
Training and pruning of orchards	1	10	0	10	0	0	0	10
Dairying	2	20	0	20	0	0	0	20
Poultry Production	2	15	0	15	0	0	0	15
Value Addition	2	15	5	20	0	0	0	20
TOTAL	16	127	15	142	40	3	43	185
(C) Extension Personnel								
Productivity enhancement in field crops	8	54	4	58	19	3	22	80
Integrated Nutrient management	6	39	3	42	17	1	18	60
Rejuvenation of old orchards	2	14	0	14	6	0	6	20
Nursery management	2	14	1	15	5	0	5	20
Vegetable production	2	15	1	16	4	0	4	20
Protected cultivation technology	2	15	0	15	5	0	5	20
Group Dynamics and farmers organization								
Capacity building for ICT application								
Management in farm animals	6	42	0	42	18	0	18	60
Production and use of organic inputs	2	14	0	14	6	0	6	20
Disease management	1	15	0	15	5	0	5	20
Dairy Management	2	40	0	40	6	0	6	40
Feed Management	4	80	0	80	12	0	12	80
Pest management	1	15	0	15	5	0	5	20
Total	24	307	30	337	78	19	97	410
G. TOTAL	105	1156	244	1400	310	69	379	1755

Details of training programmes attached in Annexure-I

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	18	1050	135	1085	60	0	60	1110	135	1245

Kisan Mela	1	425	165	590	32	0	32	457	165	622
Kisan Ghosthi	12	775	135	910	52	0	52	827	135	962
Exhibition	2	550	25	575	0	0	0	550	25	575
Film Show	0	0	0	0	0	0	0	0	0	0
Farmers Seminar	3	75	0	75	8	0	8	83	0	83
Workshop	0	0	0	0	0	0	0	0	0	0
Group meetings	25	1000	130	1130	50	0	50	150	130	1180
Lectures delivered as resource persons	52	2525	205	2730	100	0	100	2625	205	2830
Newspaper coverage	60	Mass	0	0	0	0	0	0	0	60
Radio talks	6	Mass	0	0	0	0	0	0	0	6
TV talks	6	Mass	0	0	0	0	0	0	0	16
Popular articles	10	Mass	0	0	0	0	0	0	0	16
Extension Literature	12	Mass	0	0	0	0	0	0	0	12
Advisory Services	0	0	0	0	0	0	0	0	0	0
Scientific visit to farmers field	75	850	135	985	0	0	0	850	135	985
Farmers visit to KVK	65	875	203	1078	305	95	400	1180	298	1478
Diagnostic visits	30	245	65	310	20	10	30	265	75	340
Exposure visits	4	520	125	645	35	0	35	555	125	680
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0
Soil health Camp	3	625	135	760	42	0	42	667	135	802
Animal Health Camp	3	520	95	615	45	0	45	565	95	660
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	3	500	0	500	0	0	0	500	0	500
Farm Science Club Conveners meet	7	485	102	587	0	0	0	485	102	587
Self Help Group Conveners meetings	12	150	50	200	0	0	0	150	50	200
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0
Celebration of important days (specify)	1	155	65	220	35	0	35	190	65	255
Krishi Mohostva	0	0	0	0	0	0	0	0	0	0
Krishi Rath	0	0	0	0	0	0	0	0	0	0
Pre Kharif workshop	0	0	0	0	0	0	0	0	0	0
Pre Rabi workshop	0	0	0	0	0	0	0	0	0	0
PPVFRA workshop	0	0	0	0	0	0	0	0	0	0
Any Other (Specify)	0	0	0	0	0	0	0	0	0	0
Total	408	11325	1770	12995	784	105	889	11209	1875	14094

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)	Distributed to the farmers (Nos.)
CEREALS				
OILSEEDS				
PULSES				
VEGETABLES				
OTHERS (Specify)				
	Total			

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Distributed to the farmers (Nos.)

FRUITS	Papaya	Red lady	1000	20
SPICES	Onion	N-53,ADR	20000	20
VEGETABLES	Tomato	Arka Rakshak	2000	10
	Brinjal	Hybrid New Kiran	2000	10
	Chilly	NS-1101	1000	10
FOREST SPECIES				
ORNAMENTAL CROPS				
		Total	26000	70

BIO-PRODUCTS

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1	Azola	-	1	10
2	Vermi compost		1	200
3	Nadep compost		1	200
4	Hunny Prod.		1	10

LIVESTOCK- Nill

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
GOAT				
SHEEP				
POULTRY	Egg & Meat	Carrypriya	200	1
Pig farming				
FISHERIES				

3.6 Literature to be Developed/Published

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

(B) Literature developed/published

S. No.	Topic	No.	Name of Journal/literature
1	Research paper each scientist	3	1
2	Technical reports	6	2
3	News letters	8	3
4	Training manual all discipline	5	4
5	Popular article	4	5
6	Extension literature	10	6
	Total	36	

(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.

- 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	Rural Youth	In-service personnel
a)	a)	a)
b)	b)	b)
c)	c)	c)

3.9 Indicate the methodology for identifying OFTs/FLDs

OFT	FLD
PRA	New variety/technology
Problem identified from Matrix	Poor yield at farmers level
Field level observations	Existing cropping system
Farmer group discussions	Others if any
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: Mini soil kit lab (2023-19)

1. Year of establishment : Nil

2. List of equipments purchase with amount - Nil

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	200	1000	8	nil
Water				
Plant				
Total				

4. LINKAGES

4.1 Functional linkage with different organizations

S. No.	Name of organization	Nature of Linkage
1.	Agriculture Department	Training , gosthi, meeting
2.	Horticulture Department	Training , gosthi, meeting
3.	Sugarcane Department	Training , gosthi, meeting
4.	Extension /NGO	Training , gosthi, meeting
5.	Vet nary Department	Training , gosthi, meeting
6.	UPBSNL	Training , gosthi, meeting
7.	Bhumisanrakshan	Training , gosthi, meeting
8.		

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

S. No.	Programme	Nature of linkage
--------	-----------	-------------------

1	Agriculture	Training
2		

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Horticulture	Training
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		
2		
	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 (2015-16)

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

9. Feedback of the farmers about the technologies demonstrated and assessed: 5

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

Annexure - I

Training Programme

(I).Practicing Farmers & Farm women (On Campus)

Date	Client ele	Title of the training programme	Durati on in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
May 11	PF & FW	Nursery management in hybrid rice.	1	12	4	16	3	1	4	20
Jun 22	PF & FW	Nursery management in Tobacco.	1	12	4	16	3	1	4	20
July 15	PF & FW	Integrated weed management in Hybrid rice	1	12	4	16	3	1	4	20
July 20	PF & FW	Integrated weed management in Groundnut	1	12	4	16	3	1	4	20
Aug. 17	PF & FW	Cultivation Technique of Toria.	1	12	4	16	3	1	4	20

Oct. 1	PF & FW	IWM in wheat.	1	13	0	13	7	0	7	20
Oct. 3	PF & FW	IWM in Rabi pulses	1	12	4	16	3	1	4	20
Oct 15	PF & FW	Fertilizer management in early potato.	1	12	4	16	3	1	4	20
Oct 25	PF & FW	Cultivation techniques of chickpea & pea.	1	12	4	16	3	1	4	20
	Total		9	109	32	141	31	8	39	180
Horticulture										
July 1	PF & FW	High density plantation technique for Guava	1	12	4	16	3	1	4	20
May 20-25	PF & FW	Layout and pit digging technique for guava and aonla plantation	2	12	4	16	3	1	4	20
April 2-3	PF & FW	Water conservation and draught management in cucurbits	2	12	4	16	3	1	4	20
Aug. 9-10	PF & FW	Nursery raising technique for cole crops	2	12	4	16	3	1	4	20
Aug.4	PF & FW	Plantation techniques of Gladiolus.	1	12	4	16	3	1	4	20
Feb.14	PF & FW	Sowing technique of summer Okra	1	12	3	15	4	1	5	20
Oct.4-5	PF & FW	Management and after care of Cole crops	2	12	4	16	3	1	4	20
Oct. 6-7	PF & FW	Propagation techniques of rose and wintering process.	2	12	3	15	4	1	5	20
Oct.17	PF & FW	Cultivation technique of cole crops.	1	12	3	15	4	1	5	20
Nov.8	PF & FW	Management of Vegetable crops during winter.	1	12	3	15	4	1	5	20
Jan.10	PF & FW	Cultivation of Cucurbits for early production.	1	12	3	15	4	1	5	20
Feb.7	PF & FW	Ornamental plant cultivation technique	1	12	3	15	4	1	5	20
	Total		17	144	42	186	42	12	54	240
Livestock prod.										
Jan 22	PF & FW	Preparation of balance ration for milch animals	1	15	05	20	04	03	07	20
Feb 22	PF & FW	Role of mineral mixture in dairy animals	1	15	05	20	04	02	06	20
March 22	PF & FW	Identification and control of HS and FMD disease	1	15	05	20	03	02	05	20
May 22	PF & FW	Techniques of urea treated roughage	1	15	05	20	05	03	08	20
June 22	PF & FW	Fertility management in farm animals	1	15	05	20	02	02	04	20
Aug 22	PF & FW	Identification and control of mastitis disease	1	15	05	20	03	03	06	20
	Total		06	90	30	120	22	15	36	120
Capacity Building and Group Dynamics										
April, 14		Leadership development in progressive farmers.	1	14	2	16	3	1	4	20
May 09	PF & FW	Awareness of ridge plantation in tomato.	1	12	4	16	3	1	4	20
June 16	PF & FW	Motivational of ridge sowing in cabbage.	1	12	4	16	3	1	4	2
July,06	PF &	Formation of self help group	1	12	4	16	3	1	4	20

	FW									
Oct.,13	PF & FW	Formation joint liability group and	1	12	4	16	3	1	4	20
Feb.23	PF & FW	Awareness of ridge showing in Maize.	1	12	4	16	3	1	4	20
	Total		6	64	22	96	18	6	24	120
Home Sc.										
Plant prot.										
3, April	PF & FW	Management of pest in summer groundnut	1	15	0	15	5	0	5	20
May	PF & FW	Management of pest in maize crop	1	15	0	15	5	0	5	20
Sep	PF & FW	Pest and disease management of garlic	1	15	0	15	5	0	5	20
Oct	PF & FW	IPM in potato	1	15	0	15	5	0	5	20
Fisheries										
	PF & FW									
	PF & FW									
Soil Health										
April. 10	PF & FW	Green Manuring through Dhaicha.	1	15	0	15	5	0	5	20
April. 12	PF & FW	Foliar application of water soluble fertilizer for increasing FUE (fertilizer use Efficiency)	1	12	4	16	3	1	4	20
May. 18	PF & FW	Soil Testing based fertilizer recommendation.	1	12	4	16	3	1	4	20
June 8	PF & FW	IPNM in Hybrid Paddy	1	12	4	16	3	1	4	20
July 24	PF & FW	Use of biofertilizer in Kharif pulses.	1	12	4	16	3	1	4	20
Aug. 9-10	PF & FW	Quality improvement of NADEP & vermin compost through bio-fertilizer..	2	12	4	16	3	1	4	20
Sept. 7	PF & FW	Use of bio-fertilizers in Rabi pulses.	1	15	0	15	5	0	5	20
Oct. 12	PF & FW	Fertilizer management in potato.	1	12	4	16	3	1	4	20
Nov. 19	PF & FW	Crop residue management for increasing organic matter in soil.	1	12	3	15	4	1	5	20
Nov.22 -23	PF & FW	Foliar application of nutrients in Rabi vegetables.	2	15	0	15	5	0	5	20
	Total		12	129	27	156	37	7	44	200
G. Total (On campus)			63	582	242	824	162	78	241	1065

II) 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	
Crop Production											
July 2	PF & FW	Chemical weed control in Kharif hybrid maize	1	12	4	16	3	1	4	20	
July 5	PF & FW	IWM in hybrid Sorghum	1	12	4	16	3	1	4	20	
Sep 5	PF & FW	Cultivation technique of mustard	1	12	3	15	4	1	5	20	
July 15	PF & FW	Fertilizer management in Groundnut	1	12	4	16	3	1	4	20	
Nov22	PF & FW	IWM in Rabi maize.	1	12	4	16	3	1	4	20	
Jan 1-2	PF & FW	IWM in Zaid Mung & Urd bean.	2	12	4	16	3	1	4	20	
Feb 10	PF & FW	IWM in summer groundnut	1	12	4	16	3	1	4	20	
Jan 10	PF & FW	Cultivation technique of Zaid hybrid Maize.	1	12	4	16	3	1	4	20	
Feb 9	PF & FW	Cultivation technique of summer G.nut.	1	12	4	16	3	1	4	20	
Feb 22	PF & FW	Cultivation technique of Summer Urd & Mung.	1	12	4	16	3	1	4	20	
	Total		11	120	39	159	31	10	41	200	
Horticulture											
April 17	PF & FW	Technique for minimizing post harvest losses of summer Vegetable.	1	12	3	15	4	1	5	20	
May 20	PF & FW	Plantation techniques of papaya.	1	12	3	15	4	1	5	20	
Sep.20	PF & FW	Management of cole crops.	1	12	3	15	4	1	5	20	
Sept. 12	PF & FW	Nursery raising techniques for onion	1	12	3	15	4	1	5	20	
Oct.18	PF & FW	Post harvest management of winter vegetable.	1	12	3	15	4	1	5	20	
Feb. 5-6	PF & FW	Cultivation technique of cucurbits.	1	12	3	15	4	1	5	20	
March 5-6	PF & FW	Pruning techniques of guava.	2	12	3	15	4	1	5	20	
Dec.15-16	PF & FW	Nursery raising technique for cucurbites crop	2	12	3	15	4	1	5	20	
	Total		10	96	24	120	32	8	40	160	
Live Stock Production											
April 22	PF & FW	Care and management of newly born calves	1	15	05	20	03	02	05	20	
Sep 22	PF & FW	Care of before calving and after parturition of milch animals	1	15	05	20	03	02	05	20	
Oct 22	PF & FW	Clean milk production	1	15	05	20	03	02	05	20	
Nov 22	PF & FW	Control of ecto and indo parasites in dairy animals	1	15	05	20	03	02	05	20	
	Total		04	60	20	80	12	08	20	80	
Home Sc.											

Plant Protection											
22, March,	PF & FW	IPM in summer vegetable	1	15	0	15	5	0	5	20	
June	PF & FW	IPM in paddy	1	15	0	15	5	0	5	20	
Aug	PF & FW	Pest and disease of kharif pulses	1	15	0	15	5	0	5	20	
Sep	PF & FW	IPM in mustard	1	15	0	15	5	0	5	20	
Oct	PF & FW	IPM in brinjal and tomato	1	15	0	15	5	0	5	20	
Nov	PF & FW	Biological control of pest in cole crop	1	15	0	15	5	0	5	20	
Capacity Building and Group Dynamics											
April 13	PF & FW	Leadership development in progressive farmers.	1	12	4	16	5	1	6	22	
May 17	PF & FW	Formation of J.L.G. and its record.	1	12	4	16	5	1	6	22	
Aug., 05	PF & FW	Formation of SHG and its record Keeping.	1	12	4	16	3	1	4	20	
Sep. 19	PF & FW	Awareness on bed planting in Tomato.	1	11	5	16	3	1	4	20	
Oct. 23	PF & FW	Awareness on ridge planting and sowing in vegetable crop.	2	13	3	16	3	1	4	20	
Jan. 19	PF & FW	Awareness on ridge sowing in maize crop.	1	12	4	16	3	1	4	20	
	Total		7	72	24	96	22	6	28	124	
Fisheries											
	PF										
Soil health											
April. 20	PF & FW	Green Manuring through Dhaicha.	1	14	0	14	6	0	6	20	
June 9	PF & FW	Methods for increasing fertilizer Use efficiency.	1	14	0	14	6	0	6	20	
June 11	PF & FW	Quality improvement of NADEP and Vermi compost by bio-fertilizers and Trichoderma.	1	12	4	16	3	1	4	20	
July 11	PF & FW	INM in Hybrid Maize	1	12	4	16	3	1	4	20	
July 17-18	PF & FW	Use of BGA in Paddy	2	12	4	16	3	1	4	20	
Sep. 5-6	PF & FW	Integrated Nutrient Management in potato.	2	12	3	15	4	1	5	20	
Oct. 10	PF & FW	Use of Sulphur in Pulses.	1	12	4	16	3	1	4	20	
Dec. 14-15	PF & FW	Use of Sulphur in oilseed crops.	2	12	4	16	3	1	4	20	
Jan. 10-11	PF & FW	Fertilizers application techniques in field crops.	2	14	0	14	6	0	6	20	
Feb. 12-13	PF & FW	Foliar application of nutrients in field crops.	2	14	0	14	6	0	6	20	
	Total		16	140	27	167	46	7	53	220	
G. Total (Off campus)			54	534	182	714	162	56	228	934	

(ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.T total
					M	F	T	M	F	T	
Mung/ urd	Seed production	Seed production technique of Kharif Mung & Urd	9-13July 2023	5	7	3	10	5	0	5	15
Rural youth	Employment generation	Awareness of rural youth of generate agriculture based employment	23-27July 2023	5	7	4	11	2	2	4	15
Mushroom	Employment generation	Mushroom cultivation	3-7 Sep 2023	5	10	0	10	5	0	5	15
wheat	Seed production	Seed production technique of wheat & potato	24-29Sep 2023	5	9	0	9	6	0	6	15
Horticulture	Hi-tech Horticulture	Hi-tech technology for employment generation in Horticulture crops.	30Oct-2Nov, 2023	5	7	0	7	3	0	3	10
Rural youth	Employment generation	Awareness of self Income generating models on Agricultural based.	14-17Nov, 2023	4	8	3	11	3	1	4	15
Horticulture	Self employment	Nursery raising technique for fruits & vegetables	22-25Jan 2023	5	6	0	6	4	0	4	10
Urd & Mung	Seed production	Seed production technique of summer urdbean and mung bean	4-6Feb 2023	3	9	0	9	6	0	6	15
Horticulture	Hi-tech Horticulture	Pruning & training technique for fruit crops.	13-15March 2023	3	10	0	10	0	0	0	10
Dairying	Dairying	Scientific dairy farming	Jan 22	05	10	0	10	0	0	0	10
Poultry	Poultry production	Poultry production	Mar 22	05	10	0	10	0	0	0	10
Value addition	Milk production quality	Preparation of coagulated milk products	Nov 22	05	05	0	10	0	0	0	10
	Total			55	98	5	113	34	311	37	150

(II) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
5-6June	Agriculture	Seed production technique of Kharif pulses	2	14	0	14	6	0	6	20
9-10 Oct	Agriculture	Seed production technique of field pea & chick pea	2	14	0	14	6	0	6	20
22-22Nov.	Agriculture	Seed production technique of late shown wheat	2	12	4	16	3	1	4	20
13-14Feb.	Agriculture	Seed production technique of zaid urd & moong	2	14	0	14	6	0	6	20
10-12Sept.	Horticulture	Hi-tech technology for horticultural crops	2	15	0	15	5	0	5	20
24-25April	Horticulture	Pruning & training of guava orchard	2	14	0	14	6	0	6	20
13-14Oct.	Horticulture	Nursery raising & management of vegetable crops.	2	14	1	15	5	0	5	20
17-18 May	Horticulture	Management of vegetable crops during summer	2	15	1	16	4	0	4	20
5-6July	Agriculture	Fertilizer management in heavy feeder crops	2	14	0	14	6	0	6	20
2-3Jan.	Agriculture	Integrated Nutrient management in vegetable crops.	2	11	3	14	5	1	6	20
1-2Dec	Agriculture	Foliar application of nutrients in field crops.	2	14	0	14	6	0	6	20
April 10-11	Agriculture	Soil test based fertilizer recommendation.								

10-12Dec	Dairy	Control of external & internal parasites.	2	14	0	14	6	0	6	20
5-6May	Animal husbandry	Computation of ration for milch animals	2	14	0	14	6	0	6	20
10-11July	Animal husbandry	Role of green fodder and micronutrient milch animals	2	14	0	14	6	0	6	20
29-30May	Extension	Innovative extension approach for Agriculture development	2	11	4	15	3	2	5	20
25-26Oct.	Extension	Role of extension workers in development of agriculture technologies.	2	14	0	14	6	0	6	20
6-7Feb.	Extension	An effective tools for monitoring and evaluation of farmers	2	14	1	15	3	2	5	20
July 06	Extension	Role of leadership in agriculture development.	2	16	0	16	4	0	4	20
Feb. 22	PF & FW	Computation of ration for milch animals	02	20	0	20	03	0	03	20
March 22	PF & FW	Preparation of balance ration for milch animals	02	20	0	20	03	0	03	20
April 22	PF & FW	Fertility management in farm animals	02	20	0	20	03	0	03	20
June 22	PF & FW	Clean milk production	02	20	0	20	03	0	03	20
	Total		22	177	5	182	46	4	50	220

iv) Sponsored programme : As per need

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

ANNUAL ACTION PLAN

KVK-I, HARDOI

(Jan – 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
Bawan Road, Tatyora, Near Govt. Polytechnic, Hardoi-241001	9415190350	kvkhardoi011@gmail.com	www.hardoi.kvk4.in

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

Address	Telephone		E mail	Website
	Office	FAX		
Chandra Shekhar Azad University of Agriculture & Technology, Kanpur	0512-2549106		vc.csauk@gmail.com	csau.ac.in

1.2.b. Status of KVK website: Yes, www.hardoi.kvk4.in

1.2.c. No. of Visitors (Hits) to your KVK website (as on today): 245











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

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. A. K. Tiwari		09415190350	kvkhardoi011@gmail.com

1.4. Year of sanction: 2005

1.5. Staff Position (as on 01 Sept, 2022)

S 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. A. K Tiwari	Officer Incharge	Agronomy	131400-217100	L-13 A	187300	29.4.2022	Permanent	Gen	9415190350	kvkhardoi011@gmail.com	
2	SMS	Dr. Rajeev Dixit	Scientist	Animal Husbandry	144200-218200	L-14	218200	08.7.2021	Permanent	Gen	953228575	kvkhardoi011@gmail.com	
3	SMS	Dr. Priya Vashisth	Scientist	Home Science	79800-211500	L-12	101100	5.11.2013	Permanent	Gen	9839297441	priya7623@rediffmail.com	
4	SMS	Mr. Mukesh Singh	Scientist	Agri Extension	68900-205500	L-11	98300	15.07.2022	Permanent	Gen	945141047	singhm64@gmail.com	
5	SMS	Dr. C.P.N. Gautam	Scientist	Plant Protection	79800-211500	L-12	92500	11.04.2008	Permanent	SC	985842303	cpngcsa@gmail.com	
6	SMS	Vacant	Scientist	Soil Science	-	-	-	-	-	-	-	-	-
7	SMS	Vacant	Scientist	Horticulture	-	-	-	-	-	-	-	-	-
8	Prog. Assistant	Vacant	Prog Asstt (Com)	Computer	-	-	-	-	-	-	-	-	-
9	Prog. Asst.	Vacant	(Thrust Area)	Prog. Asstt	-	-	-	-	-	-	-	-	-
10	Farm Manager	Vacant	Farm Manager	Farm Manager	-	-	-	-	-	-	-	-	-
11	Accountant/ Superintendent	Vacant	O.S.	Accountant/ Superintendent	-	-	-	-	-	-	-	-	-
12	Steno	Mr. Sarvesh Kumar	Jr. Steno-III	Jr. Steno-III	35400-112400	L-6	50500	05-01.2022	Permanent	OBC	9057812262	kvkhardoi011@gmail.com	
13	Driver	Mr. Arjun Lal	Jeep Driver	Jeep Driver	35400-112400	L-5	33300	22.08.2022	Permanent	OBC	9506609901	kvkhardoi011@gmail.com	
14	Driver	Mr. Shailendra Kumar Yadav	Tractor Driver	Tractor Driver	19900-63200	L-2	44502	21.12.2018	Permanent	OBC	9412548389	kvkhardoi011@gmail.com	
15	Supporting Staff	Mr. Kailas	Attendant	Attendant	19900-63200	L-2	46132	13.10.2020	Permanent	Gen	9984110370	kvkhardoi011@gmail.com	
16	Supp. staff	Mr. Sooraj	Attendant	Attendant	18000-56900	L-2	32590	01.02.2020	Permanent	OBC	9695308354	kvkhardoi011@gmail.com	

1.6. Total land with KVK (in ha) : 16 ha

S. No.	Item	Area (ha)
1	Under Buildings	1.00
2.	Under Demonstration Units	2.00
3.	Under Crops	5.00
4.	Orchard/Agro-forestry	2.00
5.	Others (specify)	6.00
	Total	16.00

1.7. Infrastructural Development:

A). Buildings

S. No.	Name of building	Source of Funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expend (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	IRKVY	-	540.00	89.44	Oct.2021	540.00	Up to 90% Completed
2.	Farmers Hostel	ICAR	-	-	-	-	-	-
3.	Staff Quarters (6)	ICAR	Dec.2012	400.00	5.48	Feb.2007	-	Repair
4.	Demonstration Units (2)	ICAR	Dec.2012	159.94	2.10	Feb.2007	-	Incomplete
5	Boundary wall	RKVY	Oct., 2021	-	-		-	70% Complete by RKVY
6	Rain Water harvesting system	ICAR	Dec.2012	314.00	2.68	Feb.2007	-	Incomplete
7	Threshing floor	ICAR	Dec.2012	61.11	2.45	Feb.2007	-	Complete
8	Farm godown	ICAR	-	540.00	9.75	Feb.2007	540.00	Complete

B). Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status	Required / replacement
Bolero DI	Nov. 2006	5.00	298560	Not Working Condition	Replacement
New Holland Tractor	April 2006	5.00	-	Working Condition	-
Motorcycle Hero Hondo	Nov. 2009	0.50	65402	Working Condition	-

C). Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status	Required / replacement
Mrida Parikshak	March, 2017	90,000.00	Not Working condition	
Photo Copy Machine	March 2007	60500.00	Non working condition	Required
Computer + Printer	March 2007	42883.00	working condition	Required
LCD Projector	March 2007	99030.00	Working condition	
UPS	March 2007	7276.00	Non working condition	Required
Tractor Trolley	March 2007	58130.00	Working condition	
Rotavater	March 2007	49875.00	Not Working condition	Required
Cultivator	March 2007	9267.00	Working condition	
Leveler	March 2007	5125.00	Working condition	
Zero till Machine	March 2007	24000.00	Working condition	
Bed furrow blade	March 2007	2885.00	Not working condition	Required
Solar Pannell	April, 2014	43725.00	Not Working condition	

2. DETAILS OF DISTRICT

Hardoi district is a district of Lucknow Division of Uttar Pradesh. It lies between 26'-53" to 27"-31' North Latitude and 79'-41" to 80'-46" East Longitude. Its north border touches Shahjahanpur & Lakhimpur Kheri Districts. Lucknow and Unnao are Situated at south border, West Borders touches Kanpur & Farrukhabad and on eastern border Gomti river separates the district from Sitapur. District Hardoi comprises of 5 tehsils (Hardoi, Shahabad, Bilgram, Sandila & Sawajpur), 19 blocks, 191 Nyay, Panchayat, 1101 Gram Sabha & 1901 habited revenue villages. It has 7 Nagar Palika Parishads & 6 Nagar Panchayats. Geographical area is 5947 km². As per census 2011, Population of the district is 4091380, out of which Female are 1887116 & Male are 2204264.

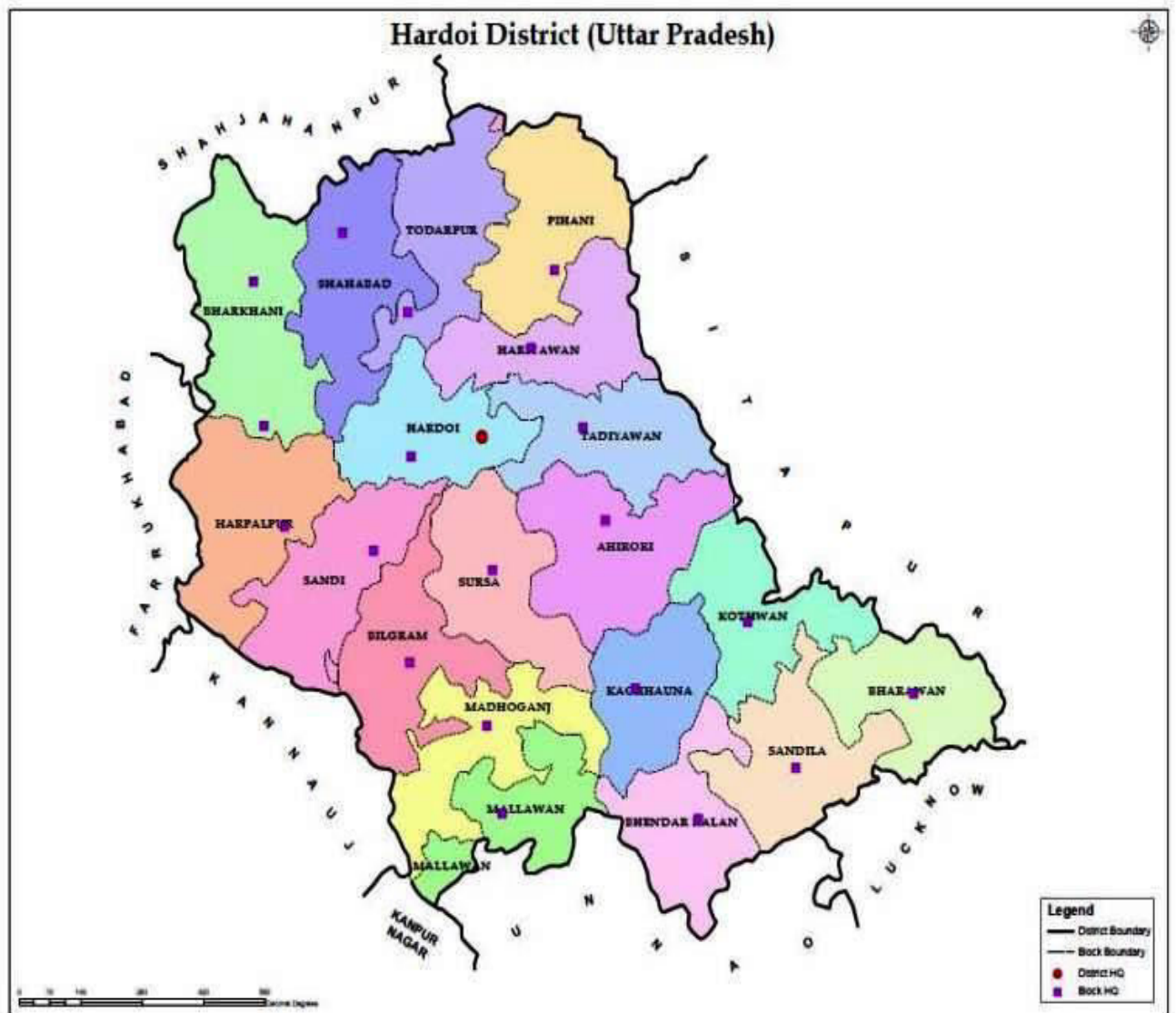
Total Number of Block in Hardoi District : 19

Number of Block Under KVK, Hardoi : I - 09

1- Tadiyawan 2. Hariyawan 3. Pihani 4. Todarpur 5. Shahabad 6. Bhakhani 7. Sandi 8. Harpalpur 9. Bawan

District Map of Hardoi showing the Development Blocks

District Map of Hardoi showing the Development Blocks



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

S. N	Farming system/enterprise
1.	Paddy - wheat, Maize - Wheat, Maize-potato, rice - mustard, Maize-potato-vegetable, groundnut-barley- vegetable are major cropping sequence.
2.	Area under sugarcane increased
3.	Due to high level of sodicity in AES IV crop rotation with lentil, gram, onion and maize are not followed.
4.	Bajra-wheat is associated with AES II & III. Groundnut is sown as a important <i>kharif</i> crop but irregular rainfall and irrigation problems area under groundnut cultivation is decreasing.
5.	Resource rich farmers keep graded buffalo but poor people keep desi buffaloes and 5-6 goats.
6.	Fruit and agro-forestry based farming systems are adopted largely by resource rich farmers and river bed farming system are operated by poor and landless farmers.
7.	Garlic, onion, vegetable pea for green pods and watermelon, cucumber and cucurbits are the component of farming system which provides highest net returns.

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.	Central mid plain zone-V	Major crop production zone of U.P. Cropping intensity - 142% Climate-Moist, sub-humid and dry sub-humid Rainfall - 811 - 970mm Most of the area occurs in middle of Ganga and Yamuna River Major crops-Wheat, rice, sugarcane, maize, potato, vegetable, pulses etc. Average land holding 0.90 ha. Total NPK consumption (52.11, 25.43 and 2.62 Kg/ha)

b). Topography

S. No.	Agro-ecological Zone	Characteristics
1.	AES-I	Loamy soil, silty loam soil and loamy sand soil, slightly high pH, borewell, canal, irrigated area. Area comprises six blocks ie. Sandila, Bharawan, Benhdar, Kothawan, Kachhona and Ahirori. Major crops Wheat and horticultural crops. Dairy is major subsidiary occupation.
2.	AES-II	Loamy, sandy loam and silty loam, normal pH is existing. This AES is mainly irrigated through borewell tube well and canal. Area comprises six blocks i.e., Bharkhani, Shahabad, Todarpur, Pihani, Hariyawan and Tadiyawan.
3.	AES-III	Loamy and loamy sand soil is dominated soil, irrigation facility is poor, mainly rainfed area and some areas are covered through borewell and tubewell. Area comprising in this AES seven blocks ie. Bawan, Harpalpur, Sandi, Sursa, Bilgram, Madhoganj and Mallawan. Main crops are maize, urd, moong, mustard, pea and gram.

2.3. Soil types

S. No	Soil type	Characteristics	Area in (ha)
1.	Sandy loam	Light gray to light brownish gray, neutral to mildly, alkaline, fair water holding capacity and fertilizer responsive	103492
2.	Loam	Light gray to light greenish, sandy loam to loam calcareous, impregnate with big kankars. Good water holding capacity and nitrogen responsive.	95530
3.	Low land and clay loam	Brownish gray to gray white, very strongly alkaline, water-soluble salt pre-dominated, poor in organic matter and nitrogen & zinc water table. Fertilizer responsive only water reclamation.	199022

2.4. Area, Production and Productivity of major crops in Hardoi (2021-22)

S. No	Crop	Area (ha)	Production (Mt.)	Productivity (Q /ha)
1.	Rice	152841	438042	28.66
2.	Wheat	331442	1209534	36.45
3.	Maize	35671	84005	23.55
4.	Jowar	4528	4560	10.07
5.	Bajra	3218	4949	15.38
6.	Barley	1765	4080	23.12
7.	Urd	15804	9309	05.89
8.	Mung	284	173	06.09
9.	Ground nut	8047	9222	11.46
10.	Arhar	1540	788	05.12
11.	Til	18296	11417	06.24
12.	Sunflower	465	798	17.17
13.	Mustard	11929	11450	09.60
14.	Sugarcane	32516	1834293	564.12
15.	Potato	10815	196173	181.39
16.	Gram	722	779	10.75
17.	Pea	1067	1352	12.67
18.	Lentil	8939	8599	09.62
19.	Total Oilseed	42067	24184	42.12
20.	Total pulses	37450	27091	07.23
21.	Total cereals	526264	1601597	28.39
Horticulture				
1.	Onion	455	3640	08.00
2.	Vegetable	16470	98820	06.00
3.	Mango	6599	17810	02.69
4.	Guava	341	3571	10.47
5.	Papaya	35	1050	30.00
6.	Garlic	115	461	00.61
7.	Cucumber	5050	75750	15.00

2.5. Weather data (2022)

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
Jan 22 to Dec 22					
Total		Expected to be Normal			

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

Category	Population	Category	Population
Cattle		Cattle	
Crossbred	32982	Goats	383281
Indigenous	540298	Pigs	37684
Buffalo	463374	Rabbits	246

2.7. Details of Operational area / Villages (2023)

S.N	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Hardoi	Bawan	Darbespur, Nijampur, Barkhera, Mujahidpur, Tatyaura, Bagaha, Dudhiya, Sabirpur, Somvanshi purwa Itauriya, Rukmanapur Sakatpur, Braila, Biruezor, Gauriyapurva, Jagdishpur	Rice, Wheat, maize, sugarcane, Field pea, Lentil, Urd, Moong, Mustard, Potato, Colocasia, Banana, Groundnut, Cucurbits and Vegetables, Beekeeping	Lack of improved variety/ HYV, indiscriminate use of pesticides and fertilizers.	Need to emphasized HYV of different crops, balance use of fertilizers and pesticides (IPM, IDM, INM, IWM).
2.	Hardoi	Bharkhani	Dauatpur Ratnapur, Gaura,	Rice, Wheat, maize, sugarcane, Field pea, Lentil, Urd, Moong, Mustard, Potato, Colocasia, Banana, Groundnut, Cucurbits and Vegetables, Beekeeping	Lack of improved variety/ HYV, indiscriminate use of pesticides and fertilizers.	Need to emphasized HYV of different crops, balance use of fertilizers and pesticides (IPM, IDM, INM, IWM).
3.	Hardoi	Pihani	Askhripurwa Jamuei, Sumbhor Kuea, Wazidnagar (Sahasha), Bakhariya	Rice, Wheat, maize, sugarcane, Field pea, Lentil, Urd, Moong, Mustard, Potato, Colocasia, Banana, Groundnut, Cucurbits and Vegetables, Beekeeping	Lack of improved variety/ HYV, indiscriminate use of pesticides and fertilizers.	Need to emphasized HYV of different crops, balance use of fertilizers and pesticides (IPM, IDM, INM, IWM).

4.	Hardoi	Harpalpur	Dharampur, Mirgawa	Rice, Wheat, sugarcane, Field pea, Lentil, Urd, Moong, Mustard, Potato, Colocasia, Banana, Groundnut, Cucurbits and Vegetables, Beekeeping	Lack of improved variety/ HYV, indiscriminate use of pesticides and fertilizers.	Need to emphasized HYV of different crops, balance use of fertilizers and pesticides (IPM, IDM, INM, IWM).
5.	Hardoi	Sandi	Gandhi Satiyapur, Santosanpurva	Rice, Wheat, maize, sugarcane, Field pea, Lentil, Urd, Moong, Mustard, Potato, Colocasia, Banana, Groundnut, Cucurbits and Vegetables, Beekeeping	Lack of improved variety/ HYV, indiscriminate use of pesticides and fertilizers.	Need to emphasized HYV of different crops, balance use of fertilizers and pesticides (IPM, IDM, INM, IWM).
6.	Hardoi	Hariyawan	Atwa, Jarara, Uttara, Allawalpur, Papaepurva	Rice, Wheat, maize, sugarcane, Field pea, Lentil, Urd, Moong, Mustard, Potato, Colocasia, Banana, Groundnut, Cucurbits and Vegetables, Beekeeping	Lack of improved variety/ HYV, indiscriminate use of pesticides and fertilizers.	Need to emphasized HYV of different crops, balance use of fertilizers and pesticides (IPM, IDM, INM, IWM).
7.	Hardoi	Tedhiyawa	Parseni, Purabhadur, Peda,	Rice, Wheat, maize, sugarcane, Field pea, Lentil, Urd, Moong, Mustard, Potato, Colocasia, Banana, Groundnut, Cucurbits and Vegetables, Beekeeping	Lack of improved variety/ HYV, indiscriminate use of pesticides and fertilizers.	Need to emphasized HYV of different crops, balance use of fertilizers and pesticides (IPM, IDM, INM, IWM).
8.	Hardoi	Sahabad	Agawa, Shaphipur,	Rice, Wheat, maize, Mango, Lemon, guava, sugarcane, Field pea, Lentil, Urd, Moong, Mustard, Potato, Colocasia, Banana, Groundnut, Cucurbits and Vegetables, Beekeeping	Lack of improved variety/ HYV, indiscriminate use of pesticides and fertilizers.	Need to emphasized HYV of different crops, balance use of fertilizers and pesticides (IPM, IDM, INM, IWM).
9.	Hardoi	Toderpur	Toderpur, Phatepur Gang, Brauniya, Kaimi, Antori	Rice, Wheat, maize, sugarcane, Field pea, Lentil, Urd, Moong, Mustard, Potato, Colocasia, Banana, Groundnut, Cucurbits and Vegetables, Beekeeping	Lack of improved variety/ HYV, indiscriminate use of pesticides and fertilizers.	Need to emphasized HYV of different crops, balance use of fertilizers and pesticides (IPM, IDM, INM, IWM).

2.8. Priority / Thrust areas

Following points are being considered for formulating the thrust areas for the mandated activities of the KVK for doubling the income of farmers of Hardoi district up to 2022:

Crop/Enterprise	Thrust area
Cereals, Pulses, Oilseeds, Sugarcane and Vegetables,	Increasing the farm level production: Use of HYV and Hybrids, Enhancing Irrigation efficiency, Use of micro-irrigation techniques and the related approaches as well as Natural Farming also.
Millets, Cereals, Oilseeds,	Efficient use of inputs: Integrated Nutrient Management, Use of organic sources of nutrients, Soil test-

Pulses and Vegetables	based fertilizer applications, etc. for enhancing the fertilizer use efficiency and reducing the input cost and thus enhancing production and income as well as Natural Farming also.
Millets, Cereals, Oilseeds, Pulses, Fruits and Vegetables	Minimizing post-harvest losses: Post harvest management, Prevailing value-chain, Input delivery systems, constraints and priorities in marketing systems for various crops, enterprises and commodities at the district level as well as Natural Farming also.
Millets, Cereals, Oilseeds, Pulses, Sugarcane, Vegetables and Fruits	Minimizing the risk at farmers' level: Integrated Pest Management technology and Natural Farming among different crops, Awareness programmes for PMFBY among the farmers, ensuring forward linkage of the adopted farmers with PMFBY and also see the effect and outcome of PMFBY at the farmers' level.
Sugarcane & Potato	Intercropping of sugarcane with potato, lentil and summer groundnut, urd, moong, cucumber as well as Natural Farming also.
Medicinal & Aromatic plants	Popularization of new varieties of medicinal & aromatic plants.
Partially reclaimed Sodic lands	Improve Productivity of partially reclaimed soils by adopting HYV and Natural Farming for salt affected soils
Misc.	Promoting the subsidiary activities for income generation: The activities like Nursery Management, Goatry, Dairying, Mushroom, Production, Bee keeping, Sericulture, Fisheries and Poultry are promoted for generating extra income to the Farmers and Rural youths
	Production of quality seeds and planting materials
	Formation of women self help groups for their socio-economic upliftment.
	Promotion of Natural Farming.
	Off season and protected vegetable cultivation

3. TECHNICAL PROGRAMME

A. Details of targeted mandatory activities by KVK

OFT (Technology Assessment and Refinement)		FLD (Oilseeds, Pulses, Other Crops, Livestock etc)			
(1)		(2) A. Crops		(2) B. Live Stock	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers	No. of unit	No. of Farmers
14	70	28	70	5	150

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
114	2280	365	6205

Seed Production (Qtl.)	Planting material Production (Nos.)	Soil Samples analyzed (Nos.)	Development of Soil Health Cards (Nos.)
(5)	(6)	(8)	(9)
200	20000	1000	1000

3. B. Abstract of interventions to be undertaken

S. No	Thrust Area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel	Extension activities	Supply of seeds, planting materials etc.

1	Enhance the productivity of cereal	Rice (Area 15060 ha)	Low productivity of paddy	Varietal evaluation of HY paddy varieties	Performance of tolerance high yielding varieties NDR 3112	Advance package of practices for rice production	Integrated pest management techniques to boost the rice production	Fieldday, Kisan goshti	seed NDR 3112, Azatobater, PSB, pesticides
2		Rice (Area 15060 ha)	Low productivity of paddy in salt affected soil	Varietal evaluation of paddy varieties in reclaimed sodic land	Performance of salt tolerance high yielding varieties CSR 36 & 43	Advance package of practices for salt tolerance rice production	Integrated pest management techniques to boost the rice production	Kisan goshti	seed CSR 36 & 43, BGA, pesticides
3		Rice (Area 15060 ha)	Low productivity of Rice due to heavy weed infestation	Evaluation of Weed control chemicals in Rice	Weed control in Rice with Pyrazo-sulfuron-ethyl & Pr-etilochlor	Importance & methods of weed control in Rice	Efficient Weed control in Rice	Kisan goshti	Pyrazo-sulfuron-ethyl 10% @200 g/ha & Pretilochlor 50 EC @ 1.5 lt./ha
4		Wheat (Area 16010 ha)	Low productivity of wheat	Varietal evaluation of HY wheat varieties	Sowing of wheat varieties DBW 17, K 307	Use of balance fertilizer & bio fertilizer Weed & disease control.	Advance agro-techniques to boost the wheat production	Fieldday, Kisan goshti	Seed (DBW 17, K 307) Azotobactor, seed dresser & PSB Weedicide
5		Wheat (Area 16010 ha)	Low productivity of wheat in salt affected soil	Varietal evaluation of wheat varieties in reclaimed sodic land	Sowing of wheat varieties KRL-210 & KRL-213	Use of balance fertilizer & bio fertilizer Weed & disease control.	Advance agro-techniques to boost the wheat production	Kisan goshti	Seed (KRL 210 & 213) Azotobactor, seed dresser & PSB Weedicide
6		Wheat (Area 16010 ha)	Low productivity of wheat due to heavy weed infestation	Evaluation of Weed control chemicals in wheat	Weed control in wheat with Clodinafop & Metsulfuron Methyl	Weed & disease control in wheat	Efficient Weed control in wheat	Kisan goshti	Clodinafop @ 400g/ha + Met-sulfuron Methyl 1%. (20 g/ha) Sulfosulfuron 75% +Metsulf-uron Methyl 5% WG@ 40 g
7	Enhance the productivity	Groundnut	Low productivity of Groundnut	Management of Groundnut. diseases	Management of mustard, paddy, tomato, Colocasia , pest & diseases etc.	IPM & IDM	Integrated pest & disease management techniques to boost the production	field day and kisan goshti	Mustard variety RH 749, Maya Carboxin 37.5%+ Thiram 37.5%@ 2.5g/kg of seed (as a seed dresser)
8	Enhance the productivity and quality of potato tube	Potato	Black scurf disease causing poor appearance and quality and resulting low income to the farmer.	Management of black scurf diseases of potato	Effect of boric acid (3%) for reducing black scurf Management of viruses and blight in potato.	INM & IDM	-Integrated pest management techniques to boost the potato production	Kisan goshti Field day	Thiophanate methyl 450g/L+ Pyraclostrobin 50g/LFS@ 20g/ha

9	Enhance the productivity and quality of colocasia tuber	Colocasia	Low yield of Colocasia due to infestation of blight	Integrated disease management of <i>Colocasia blight</i>	Management of blight in colocasia.	INM & IDM	IPM to boost the colocasia production	Kisan gosrhi Field day	Trichoderma @ 5gm/L as foliar spray & seed treatment @ 5kg/ha
10	Enhance the productivity of Pulses	Lentil & Fieldpea	Low return due to sole cropping of sugarcane	Assessment of intercropping systems in sugarcane	Popularization of intercropping system in sugarcane with Lentil & Mustard	Use of bio fertilizers in pulses	Integrated pest management techniques to boost the lentil production	Kisan gosrhi	Seed Balanced fertilizers Plant protection
11	Enhance the productivity of eggs in back yard poultry	Poultry	Low egg production	Assessment of suitable breed for back yard poultry	Popularization of improved breed	Cleaning & Vaccination	Cleaning & Vaccination	Kisan gosrhi	Improved of breed Carry Priya & Carry Sonali
12	Decrement of infertility in heifers	Cattle	Infertility in heifers	Effect of feeding practices on infertility in heifers	Popularization of balance feeding in cattle	Rationing of balance diet in heifers	Rationing of balance diet in heifers	Kisan gosrhi	1.5 kg balanced feed /day / heifer + 60 g mineral mixture / day / heifer+ deworming at 3 months intervals
13	Enhancement of milk production	cattle	Low milk production in cow & buffalo	Enhancement of milk production through licking Urea Mineral Molasses Block	Popularization of use Urea Mineral Molasses block	Popularization of balance feeding & Urea Mineral Molasses in cattle	Popularization of balance feeding and Urea Mineral Molasses in cattle	Kisan Gosthi	Urea Mineral Molasses Block
14	Drudgery reduction (Paddy)	Paddy	Low work efficiency and high drudgery in manual transplanting of paddy	Assessment of Paddy Trans planter in enhancing work efficiency and reducing drudgery	Popularization of Paddy Trans planter in enhancing work efficiency and reducing drudgery	Training to transplanting of paddy in equal distance	Training to transplanting of paddy in equal distance	Kisan Gosthi	Use of Paddy Trans planter

3.1 Technologies to be assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	2				1					3
Seed / Plant production										
Weed Management	2									2
Integrated Crop Management				1		1				2
Integrated Nutrient Management					1					1
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction	1									1
Farm machineries										
Value addition	1									1
Integrated Pest Management	1									1
Integrated Disease Management					1					1
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	7			1	3	1				12

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
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.3. Abstract on the number of technologies to be assessed in respect of livestock/ enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds		1						1
Nutrition Management	1							1
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL	1	1						2

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
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 Each On Farm Trial (OFTs)

OFT-1

Crop / Enterprises	:	Paddy
Title of OFT	:	Evaluation of Paddy variety in reclaimed sodic land
Problem diagnose	:	Low productivity of Paddy in reclaimed sodic land
Production system and thematic area	:	Paddy-wheat cropping system
Farming situation	:	Irrigated
Farmer's Practice	:	Use of Old variety (Chinnaur)
Details of technology selected for assessment / refinement	:	T ₁ - Farmer's Practice (Chinnaur) T ₂ - CSR -60
Source of technology	:	CSSRI, Karnal
No. of farmers	:	5
Replication of location	:	4
Area	:	0.4 ha per location
Critical input	:	Seed of variety
Performance indicator	:	<p>Technical</p> <ul style="list-style-type: none"> a. Number of effective panicles / plant b. Test weight (g) c. Production (q/ha) <p>Economic</p> <ul style="list-style-type: none"> a. Cost of cultivation (Rs./ha) b. Net Return (Rs./ha) c. B:C ratio <p>Social</p> <ul style="list-style-type: none"> Farmers acceptability

OFT-2

Crop / Enterprises	:	Wheat
Title of OFT	:	Evaluation of High Yielding Wheat variety
Problem diagnoses	:	Low productivity of Wheat
Production system and thematic area	:	Paddy -wheat cropping system
Farming situation	:	Irrigated
Farmer's Practice	:	T ₁ Use of Old variety (HD-2967) T ₂ - DBW -303
Details of technology selected for assessment / refinement	:	
Source of technology	:	ICAR-IIWBR, Karnal
No. of farmers	:	5
Replication of location	:	4
Area	:	0.4 ha per location
Critical input	:	Seed of variety
Performance indicator	:	<p>Technical</p> <ul style="list-style-type: none"> a. Number of effective tillers / plant b. Test weight (g) c. Production (q/ha) <p>Economic</p> <ul style="list-style-type: none"> a. Cost of cultivation (Rs./ha) b. Net Return (Rs./ha) c. B:C ratio <p>Social</p> <ul style="list-style-type: none"> Farmers acceptability

OFT-3

Weed Management

Crop / Enterprises	:	Paddy
Title of OFT	:	Assessment of herbicides for weed management in paddy
Problem diagnose	:	Heavy infestation of weed causing yield loss in paddy up to 30 percent
Production system and thematic area	:	Rice-wheat cropping system
Farming situation	:	Irrigated
Farmer's Practice	:	T ₁ Use of Bispyribac sodium 10 % SC @ 200 ml/ha
Details of technology selected for assessment / refinement	:	T ₂ -Pretilochlor 6%+ Pyrazosulfuron ethyl 0.15 % GR @ 10 kg/ha as selective pre emergence weedicide
Source of technology	:	CSAUA&T, Kanpur
No. of farmers	:	5
Replication of location	:	5
Area	:	0.4 ha per location
Critical input	:	Herbicides as per T ₂
Performance indicator	:	<p>Technical</p> <ul style="list-style-type: none"> a. Weed count and weed biomass at 30 DAT b. Number of effective tiller / sq. m.at harvest c. Number of grains / panicles d. Test weight (g) e. Production Q/ha <p>Economic</p> <ul style="list-style-type: none"> a. Cost of cultivation (Rs./ha) b. Net Return (Rs./ha) c. B:C ratio <p>Social</p> <p>Farmers acceptability</p>

OFT- 4

Weed Management

Crop/Enterprise	Wheat
Title of on-farm trials	Weed management in wheat
Problem diagnosed	Low productivity of wheat due to heavy infestation of weeds
Farming situation	Irrigated
Production system and thematic area	Paddy-Wheat, Weed management
Farmer's Practice	Use of Sulfosulfuran 75 % WG @ 33 g/ ha at 20 to 25 DAS
Details of technologies selected for assessment / refinement	<p>T₁ : F.P. (Use of Sulfosulfuran 75 % WP @ 33 g/ ha at 20 to 25 DAS)</p> <p>T₂ : Clodinafop 15 % WP+ Metsulfuron Methyl 1% WP @ 400 gram/ha at 20-25 DAS</p>
Source of technology	IARI, New Delhi
No. of Farmers	5
Replication of location	4
Area	0.4 ha per location
Critical input	Weedicides
Performance Indicators	<p>Technical</p> <ul style="list-style-type: none"> a. No. of weed /sqm b. Length of Ear heads / Plant c. No. of weed /sqm d. Yield (q/ha)
	<p>Economic</p> <ul style="list-style-type: none"> e. Cost of cultivation (Rs. /ha) f. Net income (Rs/ha) g. C:B ratio
	<p>Social</p> <ul style="list-style-type: none"> h. Acceptability i. Farmer reaction

OFT- 5

Integrated Disease Management

Crop/Enterprise	-	Potato
Title of on farm trial	-	Management of Potato Black Scurf diseases
Problem diagnosed	-	Potato Black Scurf diseases causing poor appearance and quality and resulting low income to the farmer.
Farming situation	-	Irrigated
Production system and thematic area	-	Maize-Potato-Wheat/Maize, IDM
Farmers' Practices	-	T₁ : Sowing of seed with Moncern @ 1.0 lt./ha tubers see treatment
Details of technologies selected for assessment/refinement	-	T₂ : Soil treatment with <i>Trichoderma</i> @ 5kg/ha and Seed Treatment with Thiophanate methyl 450g/L+ Pyraclostrobin 50g/LFS@ 20g/ha T₃ : Seed Treatment with Boric Acid + Pyraclostrobin 50g/LFS@ 20g/ha
Source of technology	-	CPRI, Shimla
No. of farmers	-	5
Replication of location	:	5
Critical input	-	<i>Trichoderma</i> , Fungicides
Performance indicators	-	
	-	Technical a. Diseases intensity b. No. of infected tuber / sq m c. Yield Economic Cost benefit ratio Social Farmer perception

OFT- 6

Integrated Pest Management

Crop/Enterprise	-	Maize
Title of on farm trial	-	Management of fall army worm (<i>Spodoptera frugiperda</i>) in maize.
Problem diagnosed	-	Assessment of suitable management technique for fall army worm in maize
Farming situation	-	Irrigated
Production system and thematic area	-	Maize-Potato-Wheat/Maize, IDM
Farmers' Practices	-	T ₁ : Farmers practice (Spray of Quinalphos)
Details of technologies selected for assessment/refinement	-	T ₂ : Spraying of application of Emamectin benzoate 5% SG @ 200 g/ ha
Source of technology	-	NCIPM, New Delhi
No. of farmers	-	5
Replication of location	:	5
Critical input	-	<i>Trichoderma</i> , Insecticide
Performance indicators	-	
	-	<p>Technical</p> <ul style="list-style-type: none"> a. Pest intensity b. No. of infected Cobs/ sq m c. Yield <p>Economic</p> <ul style="list-style-type: none"> Cost benefit ratio <p>Social</p> <ul style="list-style-type: none"> Farmer perception

OFT- 7

Integrated Crop Management

Crop/ enterprise	:	Mango
Title	:	Assessment of rejuvenation or slight pruning for inducing regular bearing in old or dense orchard of mango
Problem diagnosed	:	Less or no branching in mango
Micro farming situation	:	Irrigated
Farmers practice	:	No pruning
Details of technology identified for solution	:	T ₁ : No pruning
	:	T ₂ : Pruning of unproductive or dense plant+ fertilizer management
No. of farmers	:	5
Replications	:	4
Critical inputs	:	Pruning of plants
Source of technology	:	CISH, Lucknow
Total Cost	:	5000/site
Observation to be recorded	:	1. Yield of fruits / plant 2. Fruit yield q/ha 3. B:C ratio
Reaction of the farmers	:	Profitability and Acceptability by the farmers

OFT- 8
Integrated Nutrient Management

Crop/ enterprise	:	Cucumber
Title	:	Nutrient management in cucumber
Problem diagnosed	:	Cracking of stem resulting low yield in cucumber
Micro farming situation	:	Irrigated
Farmers practice	:	No use of micronutrient
Details of technology identified for solution	:	T ₁ : No use of micronutrient
	:	T ₂ : Spray of calcium and boron @2 percent
No. of farmers	:	5
Replications	:	4
Critical inputs	:	Calcium and boron
Source of technology	:	IARI, New Delhi
Total Cost	:	4000
Observation to be recorded	:	1. Stem Cracking/m ² 2. No. of fruits / plant 3. Fruit yield q/ha 4. B:C ratio
Reaction of the farmers	:	Profitability and Acceptability by the farmers

OFT- 9

Animal Nutrition

Livestock / Enterprises	:	Cattle
Title of OFT	:	Effect of feeding practices on infertility in heifers
Problem diagnoses	:	Infertility in heifers
Production system and thematic area	:	Integrated farming system, feed management
Farming situation	:	Cattle management
Farmer's Practice	:	T ₁ - Feeding of 250gm concentrate /day / heifer
Details of technology selected for assessment / refinement	:	T ₂ - 1.5 kg balance cattle feed /day / heifer + 60gm mineral mixture /day / heifer + deworming at 3 months intervals
Source of technology	:	IVRI, Bareilly
No. of farmers	:	5
Replication of location	:	2
No. of Cattle	:	10
Critical input	:	As per treatment T ₂
Performance indicator	:	<p>Technical</p> <ul style="list-style-type: none"> a. Body weight b. Fertility percentage <p>Economic</p> <ul style="list-style-type: none"> a. Cost of input per heifer /day b. B:C ratio <p>Social</p> <ul style="list-style-type: none"> Farmers acceptability

OFT-10

Animal Husbandry

Livestock / Enterprises	:	Poultry
Title of OFT	:	Assessment of suitable breed for back yard poultry
Problem diagnose	:	Low egg production
Production system and thematic area	:	Breed evaluation
Farming situation	:	Poultry farming
Farmer's Practice	:	T ₁ - Rearing of local breeds white leghorn
Details of technology selected for assessment / refinement	:	T ₂ - Carry Vijendra
Source of technology	:	CARI, Bareilly
No. of farmers	:	5
Replication of location	:	4
No. of birds	:	250
Critical input	:	Birds
Performance indicator	:	<p>Technical</p> <p>a. Number of egg/birds</p> <p>Economic</p> <p>a. Cost of production per bird /egg/ year</p> <p>b. Net Return per bird / year</p> <p>c. B:C ratio</p> <p>Social</p> <p>Farmers acceptability</p>

OFT-11

Home Science -Nutritional Management

Crop/Enterprise	:	Nutritional status
Title	:	Eradication of malnutrition among school going children
Problem diagnosed	:	Malnutrition (Deficiency of Iron & Protein)
Details of technology identified for solution	:	T ₁ Traditional practice (Farmers Practice) T ₂ Groundnut Chikki
No. of Children	:	10
Critical input	:	Groundnut & jiggery
Source of technology	:	CSAU&T, Kanpur
Total cost	:	4000
Performance Indicators	:	
	:	Technical <ul style="list-style-type: none"> a. BMI Index b. Sensory evaluation Economic <ul style="list-style-type: none"> c. Net Income Rs. d. C.B. ratio Social <ul style="list-style-type: none"> e. Acceptability. f. Farmer reaction

OFT-12

Home Science

Crop/Enterprise	Drudgery reduction (Paddy)
Title of OFT	Assessment of Paddy Trans planter in enhancing work efficiency and reducing drudgery
Problem Diagnose	Low work efficiency and high drudgery in manual transplanting of paddy
Farming Situation	Rainfed and irrigated
Farmer Practice	T ₁ . Manual Transplanting
Detail of technologies selected for assessment/refinement	T ₂ = Use of Paddy Transplanter
No of farmers	20
Source of technology	CIAE Bhopal
Critical input list	Paddy Trans planter
Production system & thematic area	Paddy-Wheat-fallow, Drudgery Reduction
Performance Indicator	<p>Technical -</p> <ul style="list-style-type: none"> • Physiological Cost of work. <ul style="list-style-type: none"> (a)-Heart Rate (b)- Energy Expenditure Rate (c) Energy Consumption Rate <p>Economic-</p> <ul style="list-style-type: none"> (a) Out Put- area covered per hour (b) Labour Saving- per Man Days <p>Social – Acceptability</p>

Doubling Farmer Income (DFI)

OFT-13

Integrated Crop Management

Crop / Enterprises	:	Cucumber
Title of OFT	:	Assessment of IPM in intercropping systems of sugarcane
Problem diagnoses	:	Low return due to sole cropping of sugarcane
Production system and thematic area	:	Cropping system
Farming situation	:	Irrigated
Farmer's Practice	:	Sole cropping of sugarcane
Details of technology selected for assessment / refinement	:	T ₁ - Sugarcane T ₂ - Cucumber + Sugarcane (IPM)
Source of technology	:	IISR, Lucknow
No. of farmers	:	5
Replication of location	:	4
Area	:	0.4 ha per location
Critical input	:	Seed of Cucumber+ Traps
Total Cost	:	6000
Performance indicator	:	Technical a. Production Q/ha Economic b. Cost of cultivation (Rs. /ha) c. Net Return (Rs. /ha) d. B:C ratio Social Farmers acceptability

Doubling Farmer's Income (DFI)

OFT- 14 Integrated Crop Management

Crop/ enterprise	:	Chili
Title	:	Assessment of IDM in Potato
Problem diagnosed	:	Diseases of Potato
Micro farming situation	:	Irrigated
Farmers practice	:	Use old practices
Details of technology identified for solution	:	T ₁ : Farmer Practice (old practices)
	:	T ₂ : Use of IDM Techniques.
No. of farmers	:	5
Replications	:	5
Critical inputs	:	IDM Tools
Source of technology	:	CPRI Simala
Total Cost	:	5000
Observation to be recorded	:	1) Intensity of diseases (%) 2) Yield (q/ha.) 3) B:C: R
Reaction of the farmers	:	Profitability and Acceptability by the farmers

C. FRONTLINE DEMONSTRATION (FLDS)

3.1. CLUSTER FRONTLINE DEMONSTRATION (CFLDS)

S. N	Crop	Thematic Area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers / demo	Parameters identified
A. Oilseeds								
1	Sesame	Varietal	Improved Variety Tarun/RT351 + sulphur @ 30kg /ha	Seed +sulphur	Kharif 2023	20	50	Yield & B:C ratio
2	Mustard	Varietal	HYV RH-749 + Sulphur @ 30kg /ha	Seed + sulphur	Rabi 2023-24	20	50	Yield & B:C ratio
Total						40	100	
B Pulses								
1	Urd bean	Varietal	Improved variety IPU2-43	Seed + R Culture	Zaid 2023	10	25	Yield & B:C ratio
2	Moong bean	Varietal	Improved variety Vishal	Seed + R Culture	Zaid 2023	10	25	Yield & B:C ratio
3	Urd bean	Varietal	Improved variety IPU2-43 / Vallabh Urd -1	Seed + R Culture	Kharif 2023	10	25	Yield & B:C ratio
4	Moong	Varietal	Improved variety IPM 02-3	Seed + R Culture	Kharif 2023	10	25	Yield & B:C ratio
5	Lentil	Varietal	Improved variety KDB 320 /KLS 09-3	Seed + R Culture	Rabi 2023-24	10	25	Yield & B:C ratio
6	Field pea	Varietal	Improved variety IPFD 10-12	Seed + R Culture	Rabi, 2023-24	20	50	Yield & B:C ratio
Total						70	175	

3.2. FRONTLINE DEMONSTRATION (FLDS)

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

3.2.1. Oilseeds and pulses

S. N	Crop	Thematic Area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers / demo	Parameters identified
A. Oilseeds								
1	Groundnut	I.D.M.	Soil and Seed treatment + use of sulphur @ 30 kg/ha	<i>Trichoderma</i> , Carboxin+Thiram Carboxin+ Thiram	Zaid 2023	5	12	Yield & B:C ratio
2	Groundnut	I.D.M.	Soil and Seed treatment + use of sulphur @ 30 kg/ha	<i>Trichoderma</i> , Carboxin+Thiram Carboxin+Thiram	Kharif 2023	5	12	Yield & B:C ratio
3	Toria	Varietal	Improved variety Pitambari+S @ 30kg /ha	Seed + sulphur	Rabi 2023-24	5	12	Yield & B:C ratio
Total						15	36	
B Pulses								
1.	Pigeon pea	Varietal	Improved variety Narendra Arhar-2 + seed inoculation	Seed + R Culture	Kharif 2023	5	20	Yield & B:C ratio
Total						5	20	
C Other than Oilseed and Pulses								
1	Pumpkin	Varietal	Improved hybrid variety (Azad pumpkin 1)	Seed	Zaid 2023	2	8	Yield & B:C ratio
2	Paddy	Weed Management	Herbicide (Bispyribac sodium) @ 100ml / ha	Herbicide	Kharif 2023	5	12	Yield & B:C ratio
3	Paddy	Varietal + INM	Improved variety NDR 2064 + Seed Treatment with Halo zinc @ 100ml / acre	Seed + Biofertilizer	Kharif 2023	5	12	Yield & B:C ratio
4	Paddy	Disease Management	Use of Propinocozole @2ml/ litre of Water + Hexaconazole@1ml / litre of Water	Fungicides	Kharif 2023	5	12	Yield & B:C ratio
5	Cucumber	IPM, IDM	Use of pheromone trap @ 12 / h and use of safer pesticide	<i>Trichoderma</i> , Carboxin+ Thiram Carboxin+ Thiram , pheromone trap + chemical	Kharif 2023	5	12	Yield & B:C ratio
6	Wheat (TS)	INM	Improved variety HD 2967 + Seed Treatment with Halo Azo +Halo PSB	Halo Azo +Halo PSB	Rabi 2023-24	5	12	Yield & B:C ratio
7	Wheat (LS)	INM	Improved variety DBW 107	Foliar Spray of NPK mixture at flowering	Rabi 2023-24	5	12	Yield & B:C ratio
8	Wheat	Weed Management	Herbicide (sulphosulfuron + metsulfuron methyl) @ 40gm / ha	Herbicide	Rabi 2023-24	5	12	Yield & B:C ratio
9	Mustard	IDM	Seed treatment with Metalaxyl@6 g/ kg of seed + spray of Metalaxyl @ 1 ml/litre of water	Fungicide	Rabi 2023-24	5	12	Yield & B:C ratio
10	Colocasia	IPM	Use of Emamectin benzoate @ g/ ha	Insecticide	Rabi 2023-24	5	12	Yield & B:C ratio
11	Pearlmillet	Varietal	Improved hybrid variety 86 M 86	Seed	Kharif 2023	5	12	Yield & B:C ratio

12	Kharif Onion	Varietal	Improved HYV (Bhima Shakti)	Seed	Kharif 2023	5	10	Yield & B:C ratio
13	Okra	Varietal	Improved hybrid variety (Azad Bhindi 2)	Seed	Kharif 2023	2	8	Yield & B:C ratio
14	Chilli	Varietal	Improved hybrid variety (Kashi Anmol)	Seed	Kharif 2023	2	8	Yield & B:C ratio
15	Chilli	IPM	Spray of Indoxacarb 14.5 + Acetamiprid 7.7 % SC @ 500ml/ha	Insecticide	Rabi 2023-24	2	8	Yield & B:C ratio
16	Vegetablepea	Organic	Rhizobium + PSB (Azad Pea 3)	Bio fertilizer	Rabi 2023-24	2	8	Yield & B:C ratio
17	Cauliflower	Nutrient Management	Use of boron for whiteness of flower	Boron	Rabi 2023-24	2	8	Yield & B:C ratio
18	Tomato	Varietal	Improved hybrid variety (Avinash-2 & Himshikhar)	Seed	Rabi 2023-24	2	10	Yield & B:C ratio
19	Tomato	Natural Farming, IPM, etc.	Spray of Natural Product (Neemahastra etc.)	Seed	Rabi 2023-24	2	10	Yield & B:C ratio
DOUBLING FARMER INCOME								
20	Maize/ Radish	ICM	Crop Rotation Early Paddy- Radish- Wheat- Maize for cobs	Seed	Kharif 2023 Rabi 2023-24	4	10	
Total						75	210	

E. Fodder crops								
1	Sorghum fodder	Varietal	Improved variety SSG 898	Seed	Kharif 2023	2	10	Yield & B:C ratio
2.	Berseem	Varietal	Improved variety Bundel Barseem-1	Seed	Rabi 2023-24	2	10	Yield & B:C ratio
Total						4	20	
Grand Total						205	540	

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	8	April, Sept, October, November	300
2	Farmers Training	5	April, May, July, August, October	100
3	Media coverage	8	April, May, July, August, October	-
4	Training for extension functionaries	2	August, December	40

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the Implement	Crop	Season and Year	No. of farmer	Area (ha)	Critical Inputs	Performance parameters / indicators	*Data on parameter in relation to technology demonstrated	
							Demo.	Local check
Drum Seeder	Rice	Kharif 2023	10	4.0 ha	Sowing with Zero till seed cum ferti drill	Yield attributes	Cost of cultivation B:C ratio	Cost of cultivation B:C ratio
Zero till seed cum ferti drill	Wheat	Rabi 2023-24	10	4.0 ha	Sowing with Zero till seed cum ferti drill	Yield attributes	Cost of cultivation B:C ratio	Cost of cultivation B:C ratio

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Critical input	Performance parameters / Indicators
Cow and buffalo	Cow and buffalo	100	200	FMD vaccine	Protection of animals against FMD
Cow and buffalo	Cow and buffalo	100	200	HS vaccine	Protection of animals against HS
Goats	Goats	50	150	Fenbendazole	Improvement in health of animals
Goats	Goats	50	150	Flumethrin 1% pour on solution	Improvement in health of animals
Cow and buffalo	Cow and buffalo	50	90	Mineral mixture	Enhancement of milk yield & reproductive health

(iii). FLD in Home Science

Enterprise	Variety/bread/species/others	Number of Farmer	No. of Unit	critical input	Performance parameter/indicator	Data on parameters	
						Demo.	Local Check
Preservation of tomato, amonla, mango and guava	Increase the keeping quality of sauce, puri, ketchup, murabba, jelly	5	05	1. Used the recommended dose of preservative 2. Selection of varieties 3. Selection of fruits	Glacial acetic acid		

(i) . Other Enterprises

Enterprise	Variety / breed / Species / Others	No. of farmers	No. of Units	Critical Inputs	Performance parameters / indicators	*Data on parameter in relation to technology demonstrated	
						Demo.	Local check
Mushroom	Pleurotus spp.	5	5	Spawn, / bag	Yield / bag	Yield	-
Vermi compost	Fotida	5	5	Worm	Yield / Unit	Yield	-

D. TRAINING
(Including the sponsored and FLD training programmes)

A) On Campus

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
(A) Farmers and Farm women									
I Crop Production									
Weed Management	2	26	4	30	8	2	10	40	
Nursery Management	1	13	2	15	4	1	5	20	
Integrated Crop Management	4	52	8	60	16	4	20	80	
Cropping System	1	13	2	15	4	1	5	20	
Total	8	104	16	120	32	8	40	160	
II Horticulture									
a) Vegetable Crops									
Production of low volume and high value crops	1	13	2	15	4	1	5	20	
Off-season vegetables	2	26	4	30	8	2	10	40	
Nursery raising	2	26	4	30	8	2	10	40	
Total (a)	5	65	10	75	20	5	25	100	
b) Medicinal and Aromatic Plants									
Nursery Management	1	13	2	15	4	1	5	20	
Total (b)	1	13	2	15	4	1	5	20	
Total (Horticulture)	6	78	12	90	24	6	30	120	
III Livestock Production and Management									
Disease Management	2	26	4	30	8	2	10	40	
Feed management	2	26	4	30	8	2	10	40	
TOTAL	4	52	8	60	16	4	20	80	
IV Home Science/Women empowerment									
Value addition	1		15	15		5	5	20	
Income generation activities for empowerment of rural Women	1		15	15		5	5	20	
Location specific drudgery reduction technologies	1		15	15		5	5	20	
Drudgery reduction technologies in Ag.	2		30	30		10	10	40	
Total	5	0	75	75	0	25	25	100	
V Plant Protection									
Integrated Pest Management	2	26	4	30	8	2	10	40	
Integrated Disease Management	2	26	4	30	8	2	10	40	
Bio control of pests and diseases	2	26	4	30	8	2	10	40	
Mushroom Production	1	13	2	15	4	1	5	20	
Total	7	91	14	105	28	7	35	140	
VI Capacity Building and Group Dynamics									
Soil and Water Testing	1	13	2	15	4	1	5	20	
Integrated Crop Management	1	13	2	15	4	1	5	20	
Formation and Management of SHGs	1	13	2	15	4	1	5	20	
Production and use of organic inputs	1	13	2	15	4	1	5	20	
Use of farm machinery	1	13	2	15	4	1	5	20	
Total	5	65	10	75	20	5	25	100	
Grand Total (PF/FW)	35	390	135	525	120	55	175	700	

(B) RURAL YOUTH								
Nursery Management of Horticulture crops	1	10		10	5		5	15
Value addition	1		10	10		5	5	15
Organic input production	1	10		10	5		5	15
Sheep and goat rearing	2	20		20	10		10	30
Seed Production	2	20		20	10		10	30
ICT	2	20		20	10		10	30
Bee Keeping	1	10		10	5		5	15
Mushroom Cultivation	1	10		10	5		5	15
TOTAL (RY)	11	100	10	110	50	5	55	165
(C) Extension Personnel								
Productivity enhancement in field crops	2	30		30	10		10	40
Household food security	2		30	30		10	10	40
Low cost and nutrient efficient diet designing	2		30	30		10	10	40
Dairy Management	2	30		30	10		10	40
Livestock feed and fodder production	1	15		15	5		5	20
Integrated Pest Management	2	30		30	10		10	40
Integrated Disease Management	2	30		30	10		10	40
Bio-control of pests and diseases	1	15		15	5		5	20
Integrated Crop Management	3	45		45	20		20	65
Integrated Disease Management	2	30		30	10		10	40
Total (EF)	19	225	60	285	80	20	100	385
GRAND TOTAL	65	715	205	920	250	80	330	1250

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		M	F	Total	M	F	Total	
(A) Farmers & Farm Women								
I. Crop Production								
Weed Management	3	39	6	45	12	3	15	60
Integrated Crop Management	3	39	6	45	12	3	15	60
Post harvest	2	26	4	30	8	2	10	40
Nutrient Management	3	39	6	45	12	3	15	60
Total	11	143	22	165	44	11	55	220
II. Horticulture								
a) Vegetable Crops								
Production of off season vegetables	2	26	4	30	8	2	10	40
Nursery raising	2	26	4	30	8	2	10	40
Total (a)	4	52	8	60	16	4	20	80
b) Tuber crops								
Production and Management technology	2	26	4	30	8	2	10	40
Processing and value addition	1	13	2	15	4	1	5	20
Total (b)	3	39	6	45	12	3	15	60
c) Medicinal and Aromatic Plants								
Production and management technology	2	26	4	30	8	2	10	40
Total (c)	2	26	4	30	8	2	10	40
Total Horticulture	9	117	18	135	36	9	45	180
III .Livestock Production and Management								
Dairy Management	2	26	4	30	8	2	10	40
Disease Management	2	26	4	30	8	2	10	40
Feed management	3	39	6	45	12	3	15	60
Total	7	91	14	105	28	7	35	140
IV. Home Science/Women empowerment								
Value addition	1		15	15		5	5	20
Income generation activity for empowerment of rural women	1		15	15		5	5	20
Designing and development for high nutrient efficiency diet	1		15	15		5	5	20
Household food security by nutritional kitchen gardening	1		15	15		5	5	20
Gender mainstreaming through SHGs	1		15	15		5	5	20
Storage loss minimization techniques	1		15	15		5	5	20
Drudgery reduction technologies in Ag.	1		15	15		5	5	20
Total	7		105	105		35	35	140
V. Plant Protection								
Integrated Pest Management	5	65	10	75	10	5	15	90
Integrated Disease Management	4	52	8	60	15	5	20	80
Total	9	117	18	135	25	10	35	170
VI. Capacity Building and Group Dynamics								
Soil and Water Conservation	1	13	2	15	4	1	5	20
Weed management	2	26	4	30	9	1	10	40
Soil and Water Testing	1	13	2	15	4	1	5	20
Integrated Crop Management	2	26	4	30	9	1	10	40
Mobilization of social capital	1	13	2	15	4	1	5	20
Purity of fertilizes	1	13	2	15	4	1	5	20
Total	8	104	16	120	34	6	40	160
Grand Total	51	57	193	765	167	78	245	1010

C) . Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		M	F	Total	M	F	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	5	65	10	75	20	5	25	100
Nursery Management	1	13	2	15	4	1	5	20
Integrated Crop Management	7	91	14	105	28	7	35	140
Post harvest Management	2	26	4	30	8	2	10	40
Nutrient Management	3	39	6	45	12	3	15	60
Cropping System	1	13	2	15	4	1	5	20
Total	19	247	38	285	76	19	95	380
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	3	39	6	45	12	3	15	60
Off-season vegetables	2	26	4	30	8	2	10	40
Nursery raising	4	52	8	60	16	4	20	80
Total (a)	9	117	18	135	36	9	45	180
b) Tuber crops								
Production and Management technology	2	26	4	30	8	2	10	40
Processing and value addition	1	13	2	15	4	1	5	20
Total (b)	3	39	6	45	12	3	15	60
c) Medicinal and Aromatic Plants								
Nursery Management	3	39	6	45	12	3	15	60
Total (c)	3	39	6	45	12	3	15	60
Total (Horticulture)	15	195	30	225	60	15	75	300
III Livestock Production and Management								
Dairy Management	2	26	4	30	8	2	10	40
Disease Management	4	52	8	60	16	4	20	80
Feed management	5	65	10	75	20	5	25	100
TOTAL	11	143	22	165	44	11	55	220
IV Home Science/Women empowerment								
Value addition	2	0	30	30	0	10	10	40
Income generation activities for empowerment of rural Women	2	0	30	30	0	10	10	40
Designing and development for high nutrient efficiency diet	1	0	15	15	0	5	5	20
Household food security by nutritional kitchen gardening	1	0	15	15	0	5	5	20
Gender mainstreaming through SHGs	1	0	15	15	0	5	5	20
Storage loss minimization techniques	1	0	15	15	0	5	5	20
Location specific drudgery reduction technologies	1	0	15	15	0	5	5	20
Drudgery reduction technologies in Ag.	3	0	45	45	0	15	15	60
Total	12	0	180	180	0	60	60	240
V Plant Protection								
Integrated Pest Management	7	91	14	105	18	7	25	130
Integrated Disease Management	6	78	12	90	23	7	30	120
Bio control of pests and diseases	2	26	4	30	8	2	10	40
Mushroom Production	1	13	2	15	4	1	5	20
Total	16	208	32	240	53	17	70	310

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		M	F	Total	M	F	Total		
(A) Farmers & Farm Women									
VI Capacity Building and Group Dynamics									
Soil and Water Testing	2	26	4	30	8	2	10	40	
Weed management	2	26	4	30	9	1	10	40	
Soil and Water Testing	1	13	2	15	4	1	5	20	
Integrated Crop Management	3	39	6	45	13	2	15	60	
Mobilization of social capital	1	13	2	15	4	1	5	20	
Purity of fertilizes	1	13	2	15	4	1	5	20	
Formation and Management of SHGs	1	13	2	15	4	1	5	20	
Production and use of organic inputs	1	13	2	15	4	1	5	20	
Use of farm machinery	1	13	2	15	4	1	5	20	
Total	13	169	26	195	54	11	65	260	
Grand Total (PF/FW)	86	962	328	1290	287	133	420	1710	

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		M	F	Total	M	F	Total		
(B) RURAL YOUTH									
Nursery Management of Horticulture crops	1	15		15	5		5	20	
Value addition	1	0	10	10	0	5	5	15	
Organic input production	1	15		15	5		5	20	
Sheep and goat rearing	2	20		20	10		10	30	
Seed Production	2	20		20	10		10	30	
ICT	2	20		20	10		10	30	
Bee Keeping	1	15		10	15		5	20	
Mushroom cultivation	1	15		10	15		5	20	
TOTAL (RY)	9	120	10	110	70	5	55	185	
(C) Extension Personnel									
Productivity enhancement in field crops	2	30		30	10		10	40	
Household food security	2		30	30		10	10	40	
Low cost and nutrient efficient diet designing	2		30	30		10	10	40	
Dairy Management	2	30		30	10		10	40	
Livestock feed and fodder production	1	15		15	5		5	20	
Integrated Pest Management	2	30		30	10		10	40	
Integrated Disease Management	2	30		30	10		10	40	
Bio-control of pests and diseases	1	15		15	5		5	20	
Integrated Crop Management	3	45		45	20		20	65	
Integrated Disease Management	2	30		30	10		10	40	
Total (EF)	19	225	60	285	80	20	100	385	
GRAND TOTAL (PF + RY + EF)	114	1307	398	1685	437	158	575	2280	

DETAILS OF TRAINING PROGRAMMES

Date	PF/FW	Title of the training programme	Duration in days	Venue	Number of participants			Number of SC/ST			G.T
					M	F	Total	M	F	Total	
ON CAMPUS											
Crop production											
Feb	PF/FW	Cultivation techniques of summer maize	1	On	13	2	15	4	1	5	20
June	PF/FW	Improved cultivation techniques of hybrid maize	1	On	13	2	15	4	1	5	20
July	PF/FW	Resource Conservation techniques in Paddy	1	On	13	2	15	4	1	5	20
Sept	PF/FW	Improved cultivation Techniques of Toria	1	On	13	2	15	4	1	5	20
Oct.	PF/FW	Improved cultivation techniques of Mustard	1	On	13	2	15	4	1	5	20
Nov	PF/FW	Improved cultivation techniques Rabi Pulses	1	On	13	2	15	4	1	5	20
Dec.	PF/FW	Weed Management in Wheat	1	On	13	2	15	4	1	5	20
Horticulture											
April	PF/FW	Cultivation technique of Okra	1	On	13	2	15	4	1	5	20
May	PF/FW	Cultivation techniques of Banana	1	On	13	2	15	4	1	5	20
July	PF/FW	Production technique of Papaya	1	On	13	2	15	4	1	5	20
Sept	PF/FW	Production technology of hybrid tomato	1	On	13	2	15	4	1	5	20
Oct.	PF/FW	Low tunnel Poly House vegetable seedling production technology	1	On	13	2	15	4	1	5	20
Dec	PF/FW	Protected cultivation of vegetable crops	1	On	13	2	15	4	1	5	20
Animal Science											
Jan	PF/FW	Preventive measures for Mastitis disease it's effective control measures	1	On	13	2	15	4	1	5	20
Feb	PF/FW	Fodder production in summer season	1	On	13	2	15	4	1	5	20
Dec	PF/FW	Care and management of FMD disease in cattle	1	On	13	2	15	4	1	5	20

Home science											
May	PF/FW	Preparation of oral rehydration	1	On	-	15	15	-	5	5	20
June	PF/FW	Value addition of foods by sprouting and germination	1	On	-	15	15	-	5	5	20

July	PF/FW	Stitching of ladies suit	2	On	-	15	15	-	5	5	20
Aug	PF/FW	Fabric Enrichment by fabric painting	1	On	-	15	15	-	5	5	20
Sept	PF/FW	Layouts of Nutritional Gardens	1	On	-	15	15	-	5	5	20
Oct	PF/FW	Candle making	1	On	-	15	15	-	5	5	20
Plant protection											
Jan	PF/FW	Importance of Bio- Pesticides	1	On	13	2	15	4	1	5	20
Feb	PF/FW	Natural farming	1	On	13	2	15	4	1	5	20
Mar.	PF/FW	IPM in Maize	1	On	13	2	15	4	1	5	20
April	PF/FW	IPM in Groundnut	1	On	13	2	15	4	1	5	20
May	PF/FW	Importance of organic pesticide	1	On	13	2	15	4	1	5	20
June	PF/FW	Seed Treatment in Kharif crop	1	On	13	2	15	4	1	5	20
July	PF/FW	IPM in Cucumber	1	On	13	2	15	4	1	5	20
Aug	PF/FW	IDM in paddy	1	On	13	2	15	4	1	5	20
Sept	PF/FW	IPM in Maize	1	On	13	2	15	4	1	5	20
Sept	PF/FW	Seed Treatment in <i>Rabi</i> crop	1	On	13	2	15	4	1	5	20
Oct.	PF/FW	Natural Farming	1	On	13	2	15	4	1	5	20
Nov	PF/FW	IDM in potato	1	On	13	2	15	4	1	5	20
Dec	PF/FW	Safe use of pesticides	1	On	13	2	15	4	1	5	20
Agriculture Extension											
Feb.	PF/FW	Improved cultural practices of Bel	2	On	13	2	15	4	1	5	20
April	PF/FW	Techniques of soil sampling and judicious use of fertilizers	1	On	13	2	15	4	1	5	20
May	PF/FW	Importance of crop insurance	1	On	13	2	15	4	1	5	20
June	PF/FW	Importance of Goat Farming	1	On	13	2	15	4	1	5	20
Sep	PF/FW	Importance of KCC	1	On	13	2	15	4	1	5	20
Nov.	PF/FW	Importance of SHGs for social upliftment	1	On	13	2	15	4	1	5	20
Dec.	PF/FW	Government scheme of Agril Deptt.	1	On	13	2	15	4	1	5	20

OFF CAMPUS

Date	PF/FW	Title of the training programme	Duration in days	Venue	Number of participants			Number of SC/ST			G.T
					M	F	Total	M	F	Total	
Crop Production											
Jan	PF/FW	INM in wheat	1	Off	13	2	15	4	1	5	20
Feb	PF/FW	Cultivation techniques of summer Pulses	1	Off	13	2	15	4	1	5	20
April	PF/FW	Post harvest Management of Wheat	1	Off	13	2	15	4	1	5	20
May	PF/FW	Nursery Management in Paddy	1	Off	13	2	15	4	1	5	20
June	PF/FW	Improved cultivation techniques of Kharif Pulses	1	Off	13	2	15	4	1	5	20
Aug	PF/FW	Weed Management in <i>Kharif</i> Pulses	1	Off	13	2	15	4	1	5	20
Nov	PF/FW	Improved cultivation techniques of Wheat	1	Off	13	2	15	4	1	5	20
Dec	PF/FW	Improved cultivation techniques of Late sown Wheat	1	Off	13	2	15	4	1	5	20
Horticulture											
Jan.	PF/FW	Improved production technique of cucurbits	1	Off	13	2	15	4	1	5	20
Feb	PF/FW	Cultivation of technology okra	1	Off	13	2	15	4	1	5	20
April	PF/FW	Improved cultivation techniques of Colocasia	1	Off	13	2	15	4	1	5	20
May	PF/FW	Improved production technique of cucumber	1	Off	13	2	15	4	1	5	20
June	PF/FW	Layout and planting of new orchard	1	Off	13	2	15	4	1	5	20
Aug	PF/FW	Production technology of Veg. pea	1	Off	13	2	15	4	1	5	20
Sep.	PF/FW	Production technology of potato	1	Off	13	2	15	4	1	5	20
Oct.	PF/FW	Production technology of garlic	1	Off	13	2	15	4	1	5	20
Nov.	PF/FW	Low tunnel poly house in vegetable seedling production technique	1	Off	13	2	15	4	1	5	20
Dec	PF/FW	Rejuvenation of old orchard	1	Off	13	2	15	4	1	5	20
Animal science											
April	PF/FW	Causes of infertility and its prevention in cattle	1	Off	13	2	15	4	1	5	20
May	PF/FW	control of <i>Haemorrhagic septicemia</i> disease	1	Off	13	2	15	4	1	5	20
June	PF/FW	Care and management of animals during summer	1	Off	13	2	15	4	1	5	20
June	PF/FW	Hygienic milk production	1	Off	13	2	15	4	1	5	20
July	PF/FW	Ecto and endo parasites management in cattle	1	Off	13	2	15	4	1	5	20
July	PF/FW	Green Fodder Production techniques in	1	Off	13	2	15	4	1	5	20
Plant Protection											
Jan	PF/FW	Importance of Bio- Pesticides	1	Off	13	2	15	4	1	5	20
Feb.	PF/FW	Natural farming	1	Off	13	2	15	4	1	5	20
Mar.	PF/FW	IPM in Maize	1	Off	13	2	15	4	1	5	20
April	PF/FW	IPM in Groundnut	1	Off	13	2	15	4	1	5	20
May	PF/FW	Importance of organic pesticide	1	Off	13	2	15	4	1	5	20
June	PF/FW	Seed Treatment in Kharif crop	1	Off	13	2	15	4	1	5	20
July	PF/FW	IPM in Cucumber	1	Off	13	2	15	4	1	5	20
Aug	PF/FW	IDM in paddy	1	Off	13	2	15	4	1	5	20

Sep	PF/FW	IPM in Maize	1	Off	13	2	15	4	1	5	20
Oct	PF/FW	Seed Treatment in <i>Rabi</i> crop	1	Off	13	2	15	4	1	5	20
Nov	PF/FW	Natural Farming	1	Off	13	2	15	4	1	5	20
Dec.	PF/FW	IDM in potato	1	Off	13	2	15	4	1	5	20
Home Science											
Jan	PF/FW	Preservation of fruit and vegetables	1	Off	-	15	15	-	5	5	20
Feb	PF/FW	Preparation of potato products	1	Off	-	15	15	-	5	5	20
April	PF/FW	Drudgery reduction tools for farm women	1	Off	-	15	15	-	5	5	20
May	PF/FW	Management and layout of kitchen garden	1	Off	-	15	15	-	5	5	20
June	PF/FW	Awareness regarding nutrition rich diet	1	Off	-	15	15	-	5	5	20
July	PF/FW	Diet enrichment through germinated and sprouted pulses	1	Off	-	15	15	-	5	5	20
Sep	PF/FW	Income generation through Pickle preparation	1	Off	-	15	15	-	5	5	20
Oct	PF/FW	Hygiene and sanitation at house hold level	1	Off	-	15	15	-	5	5	20
Dec	PF/FW	Role of SHGs for women empowerment	1	Off	-	15	15	-	5	5	20
Agriculture Extension											
Jan.	PF/FW	Importance of KCC and micro-credit system	1	Off	13	2	15	4	1	5	20
Feb	PF/FW	Techniques of soil sampling and judicious use of fertilizers	1	Off	13	2	15	4	1	5	20
Mar.	PF/FW	Importance of crop insurance	1	Off	13	2	15	4	1	5	20
June	PF/FW	Importance of Goat Farming	1	Off	13	2	15	4	1	5	20
July	PF/FW	Importance of KCC	1	Off	13	2	15	4	1	5	20
Aug.	PF/FW	Importance of SHGs for social upliftment	1	Off	13	2	15	4	1	5	20
Sep.	PF/FW	Government scheme of Agril Deptt.	1	Off	13	2	15	4	1	5	20
Oct	PF/FW	Techniques of soil sampling and judicious use of fertilizers	1	Off	13	2	15	4	1	5	20

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Days	No. of Participants						G. T.
				Others			SC/ST			
				M	F	Total	M	F	Total	
Fruit plants	Nursery management	Nursery management of fruit and vegetables	5	10	0	10	5	0	5	15
Vegetable	Vegetable cultivation	Protected cultivation of vegetable crops	5	10	0	10	5	0	5	15
Organic input	Vermiculture / NADEP	Preparation of vermin compost / NADEP	7	10	0	10	5	0	5	15
Organic input	Bio control of pest and diseases	Preparation of bio pesticide (plant origin)	3	10	0	10	5	0	5	15
Organic input	Bio control of pest and diseases	Importance and uses of organic material for production of food grain (with the help of live stock resources)	4	10	0	10	5	0	5	15
Poultry Birds	Poultry farming	Poultry farming for meat and egg production	7	10	0	10	5	0	5	15

Cereal	Seed production	Seed production techniques in <i>Kharif</i> cereals	7	10	0	10	5	0	5	15
Wheat	Seed production	Seed production technique of Wheat	7	10	0	10	5	0	5	15
Natural Farming	Natural Farming	Use of Natural Farming in Modern Agriculture	7	10	0	10	5	0	5	15
Bee Keeping	Bee Keeping	Bee keeping	7	10	0	10	5	0	5	15
Mushroom Cultivation	Mushroom Cultivation	Mushroom Cultivation	7	10	0	10	5	0	5	15
Home Science	Value addition	Processing and value addition in amla and guava	7	0	10	10	0	5	5	15
	Total		73	110	10	120	55	5	60	180

iii) Training programme for extension functionaries

Month/ Date	Title of the training programme	Duration in days	Venue	Number of participants			Number of SC/ST			G.T.
				M	F	Total	M	F	Total	
	Crop production									
Feb	Improved production technique of cucurbits	1	On	15	-	15	5	-	5	20
March	Production technology of <i>Zaid</i> crops	1	On	15	-	15	5	-	5	20
July	Cultivation techniques of <i>Kharif</i> crops	1	On	15	-	15	5	-	5	20
Oct	Cultivation techniques of <i>Rabi</i> crops	1	On	15	-	15	5	-	5	20
	Horticulture									
May	Planting and management of new orchards	1	On	15	-	15	5	-	5	20
Sep	Low tunnel poly house vegetable seedling production technology	1	On	15	-	15	5	-	5	20
Dec	Production of off-season vegetables	1	On	15	-	15	5	-	5	20
	Home Science									
Feb	Food born diseases and it's control	1	Off	15	-	15	5	-	5	20
July	Malnutrition and deficiency diseases	1	Off	15	-	15	5	-	5	20
Sep	Therapeutic diet	1	Off	15	-	15	5	-	5	20
	Animal Science									
June	Dairy Management	1	On	15	-	15	5	-	5	20
Sep	Perpetration of balanced ration	1	On	15	-	15	5	-	5	20
Nov.	Fodder Management	1	On	15	-	15	5	-	5	20
Dec	Infertility in buffaloes and its control	1	On	15	-	15	5	-	5	20
	Plant Protection									
Feb	Natural Farming	1	On	15	-	15	5	-	5	20
March	Integrated Disease Management	1	On	15	-	15	5	-	5	20
May	Integrated Pest Management	1	On	15	-	15	5	-	5	20
June	Integrated Disease Management in sugarcane	1	On	15	-	15	5	-	5	20
July	Natural Farming	1	On	15	-	15	5	-	5	20
Sep	Bio-control of pests and diseases	1	On	15	-	15	5	-	5	20
Nov.	Organic sugarcane production	1	On	15	-	15	5	-	5	20

Agriculture Extension										
Feb	Production of oil seed crops in <i>Zaid</i>	1	On	15	-	15	5	-	5	20
June	Fertilizer management in <i>Kharif</i> crops	1	On	15	-	15	5	-	5	20
Oct	Improved cultivation of <i>Rabi</i> pulses	1	On	15	-	15	5	-	5	20
	Total	19		285		285	95		95	380

iv) Sponsored Training Programmes: Depend upon the sponsoring agencies

Sl. No	Title	Thematic area	Month	Duration (days)	Client PF/RY/EF	No. of courses	No. of Participants						Sponsoring Agency
							Male		Female		Total		
							Others	SC/ST	Others	SC/ST	Others	SC/ST	
-	-	-	-	-	-	-	-	-	-	-	-	-	-

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	15	485	25	510	75	18	93	560	43	603
Kisan Mela	2	810	53	863	55	7	62	865	60	925
Kisan Ghosthi	20	820	125	945	60	15	75	880	140	1020
Exhibition	1	325	60	385	60	30	80	375	90	465
Method Demonstrations	5	215	12	227	17	2	19	232	14	246
Group meetings	8	220	28	248	5	0	5	225	28	253
Lectures delivered as resource persons	48			0			0	0	0	0
Newspaper coverage	55			0			0	0	0	0
TV talks	6			0			0	0	0	0
Extension Literature	10			0			0	0	0	0
Advisory Services	12	159	42	201	40	4	44	199	46	245
Scientific visit to farmers field	55	500	98	598	5		5	505	98	603
Farmers visit to KVK	80	655	45	700			0	655	45	700
Diagnostic visits	20	300	50	350			0	300	50	350
Exposure visits	2	88	10	98	10	2	12	98	12	110
Ex-trainees Sammelan	2	90	45	135	10	2	12	100	47	147
Soil health Camp	2	200	20	220	8	2	10	208	22	230
Animal Health Camp	2	225	20	245	5		5	230	20	250
Soil test campaigns	2	200	30	230	5		5	205	30	235
Farm Science Club Conveners meet	2	70	35	105			0	70	35	105
Self Help Group Conveners meetings	8	100	63	163			0	100	63	163
Mahila Mandals Conveners meetings	8		100	100			0	0	100	100
Total	365	5462	861	6323	345	82	427	5807	943	6750

3.5 Target for Production and supply of Technological products:

a. Seed Materials:

S. No.	CEREALS	Crop	Variety	Quantity (qtl.)
1		Wheat	DBW 187	200
2		Toria	Pitambari	10
			Total (q)	210

b. Planting Materials:

Particulars	Crop	Variety	Quantity (Nos.)
1. FRUITS			
1.	Guava	Lalit,, Sweta, Dhawal	50
2.	Papaya	Selection-1, Red lady, Pusa Nanha	250
2. Flowers			
1	Rose	Calcatia	100
2.	Coleus	Different Colours	100
3	Mrigold	Pusa Narangi	1000
2. VEGETABLES			
1.	Tomato	KT-5, Azad T 6	3000
2.	Brinjal	Pusa Purple Round, Pusa Purple Long, T-3	2000
3.	Chilli	Pusa Jwala, Azad Chili-1	5000
4.	Cauliflower	Summer King, Sabaur Agrim	2000
5.	Cabbage	Pusa Drum Head	2000
6	Broccoli	Palampur Broccoli -1	500
7.	Onion	Bheema Shakti, N 53	4000
		Total	20000

3.6. Literature to be Developed/Published

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

(B) Literature to be developed/ published: As per requirement

Item	Number of copies
Research papers	6
Technical reports	5
News letters	1
Technical bulletins	2
Popular articles	10
Extension literature	3000
Others Magazine	6
TOTAL	3030

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

- (i). IDM in Groundnut
- (ii). Poultry Farming

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

- (a) Identification of courses for farmers/farm women
- (b) Rural Youth
- (c) In service personnel

3.9 Indicate the methodology for identifying OFTs/FLDs

(i) PRA (ii) Personal Interview of farmers

3.10 Field activities

i. Name of villages identified for adoption with block name

ii. No. of farm families selected per village : 5

iii. No. of survey/PRA to be conducted : 3

S. N.	Name of Block	Name of Villages
1.	Bawan	Darbespur, Nijampur, Barkhera, Mujahidpur, Bagaha, Dudhiya,,Somvanshi purwa, Bhithari, Itauriya, Rukmanapur, Sakatpur, Braila Gauriyapurva, Kamalpur, Azaa Farm.
2	Bharkhani	Bhailamau, Dauatpur ,Ratnapur
3.	Pihani	Askhri, Purwa Jamui, Sumbhor, Kuea
4	Harpalpur	Dharampur, Mirgawa
5	Sandi	Gandhi, Satiyapur, Sadullapur
6	Hariyawan	Atwa, Jarara, Papaepurva
7	Tedhiyawa	Parseni, Purabhadur, Peda,
8	Sahabad	Aslapur, Shaphipur
9	Toderpur	Toderpur, Phatepur Gang, Brauniya

3.10. Activities of Soil and Water Testing Laboratory: Not applicable

3.11 Targets of samples for analysis

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	1000	1000	6	
Water Samples				
Total	1000	1000	6	

4. LINKAGES

4.1 Functional linkage with different organizations

S.N.	Name of organization	Nature of linkage
1.	Agriculture Department	Training, Meeting, Goshti, Demonstration & Diagnostic survey
2.	Horticulture Department	Training, Meeting, Goshti, Diagnostic survey
3.	Ram Ganga Command	Training, Meeting, Goshti
4.	Soil Conservation Department	Training, Meeting, Goshti
5.	Regional Rural Bank	Training, Meeting, Goshti
6.	Animal Department	Training, Meeting, Goshti

List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies : N/A

4.3 Details of linkage with ATMA

a) Is ATMA implemented in your district: Yes

S. No.	Programme	Nature of linkage
1.	Training & Demonstration	Participatory

4.4 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1.	Training, meeting & demonstration	Participatory

4.5 Nature of linkage with National Fisheries Development Board: Nil

5.0 Utilization of hostel facilities: Nil

Action Plan for Doubling Farmers Income by 2023

Summary of 02 Villages adapted by KVK for DFI: Krishi Vigyan Kendra, Hardoi

Name of the KVK	Name of Villages	Block & Tehsil of Village	Total Population of Village	No of Farmer Family in the Village	Distance of Village from KVK	Distance between both Villages
Hardoi	Darbeshpur	Bawan& Hardoi Sadar	700	60	4	3 km
	Mujahidpur	Bawan& Hardoi Sadar	2500	200	6	3 km

Detail Information of 02 Villages adapted by KVK for DFI:

S.N.	Particular	Detail information in r/o Darbeshpur		Detail information in r/o Mujahidpur	
1	Name of KVK	KVK,Hardoi		KVK,Hardoi	
2	Name of villages to be adopted by KVK	Darbeshpur		Mujahidpur	
3	Number of farmers to be targeted	All Farmers		All Farmers	
4	Area of agriculture land (ha):	85.772		200.57	
5	Area of irrigated land (ha):	71.20		166.47	
6	Number of water body:	9		7	
7	Area of water body (ha):	4.085		2.63	
8	Number of different livestock animals:	300		700	
9	Soil status:	Loam		Loam to sandy loam	
10	Average nutrients (nitrogen, phosphorous, potash, etc) used:	140 N, 50 P & K 40 Kg (K - only in potato)		140 N, 50 P & K 40 Kg (K - only in potato)	
11	Major diseases occurred in crops:	False Smut, Blight in Paddy, Smut in Wheat, White rust in mustard, Army worm, Stem borer,		False Smut, Blight in Paddy, Smut in Wheat, White rust in mustard, Army worm, Stem borer, Rot, Wilt, Leaf Curling in Tomato and Chilli, Little leaf in Brinjal	
12	Major diseases occurred in livestock:	FMD,HS, Mastitis, PPR, Anestrous		FMD,HS, Mastitis, PPR, Amestrous	
13	Post-harvest management/ value addition followed, if any:	No		No	
14	Marketing channels of products:	Local market and Cooperative Society		Local market and Cooperative Society	
15	Agro-based industries, if any:	No		No	
16	Average income of the farmer:	Rs.3000-4000		Rs.3000-4000	
17	Average yield of livestock:	Milk 3.0 to 4.0 li / day / Animal		Milk 3.0 to 5.0 li / day / Animal	
18	Average yield of fisheries:	No		No	
19	Average yield of different crops cultivated in the both Villages	Name of Crop	Yield of Crop in q/ha	Name of Crop	Yield of Crop in q/ha
		Paddy	50.0	Paddy	48.0
		Wheat	40.0	Maize	42.0

		Mustard	15.0	Groundnut	36.0
		Fieldpea	24.0	Sesamum	6.0
		Lentil	12.0	Urdbean	6.5
		Sugarcane	600.0	Moongbean	6.0
		Potato	240.0	Wheat	36.0
		Colocasia (Banda)	250.0	Mustard	13.0
				Fieldpea	24.0
				Lentil	22.0
				Sugarcane	720.0
				Brinjal	350.0
				Green Chilly	200.0
				Cauliflower	350.0
				Potato	200.0
				Radish	300.0
				Palak	50.0
				Vegetable pea	70.0
20	Possibility of involvement of ICAR Institutes:	Name of the Institute	Likely Helps to be Taken	Name of the Institute	Likely Helps to be Taken
		ICAR-IARI	New Technology	ICAR-IARI	New Technology
		ICAR-IIPR	New Technology	ICAR-IIPR	New Technology
		ICAR-IIVR	New Technology	ICAR-IIVR	New Technology
		ICAR-CIRG	New Technology	ICAR-CIRG	New Technology
		ICAR-IGFRI	New Technology	ICAR-IGFRI	New Technology
		ICAR-ATARI	New Technology	ICAR-ATARI	New Technology
		ICAR-CISH	New Technology	ICAR-CISH	New Technology
		ICAR-IISR	New Technology	ICAR-CISH	New Technology
21	Possibility of involving private sectors for CSR funds (HCL Foundation, IFFCO, Dhanuka Group, Williwood, Bayer etc.):	Name of Private Sector	Likely Helps to be Taken	Name of Private Sector	Likely Helps to be Taken
		IFFCO	Farmers training	IFFCO,	Farmers training
		Dhanuka	Farmers training	Dhanuka	Farmers training
		Bayer	Farmers training	Bayer	Farmers training
22	Name of other partners to be involved (State Deptt./ Central govt. Deptt./ PSU/ NGO/ Private org.):	Name of the Departments	Likely Helps to be Taken	Name of the Departments	Likely Helps to be Taken
		DAO	Demonstration	DAO	Demonstration
		DHO	Demonstration	DHO	Demonstration
		DAHO	Demonstration	DAHO	Demonstration

23	FPO formed or not? (YES/NO)	Yes	Yes
24	Major interventions planned for Villages	List of Interventions	List of Interventions
		Resource conservation technology in Paddy	Resource conservation technology in Paddy
		Seed production in cereals	Improved technologies of Wheat Cultivation
		Zero tillage Wheat Cultivation through ferti seed drill in low lying areas	Improved technologies of Vegetable cultivation
		Cattle and Goat management with improved technology	Cattle and Goat management with improved technology
		Improved technologies of Colocasia	Post Harvest management in vegetables
		Production of organic inputs/Organic farming	IPM techniques in vegetables
		Promotion of secondary Agriculture	Promotion of new agri based industries

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

S.No.	Particulars	Activities planned	Expected Outcome	2023
1	Action Plan (including interventions made) for the Darbeshpur and Budget requirement:	Zero tillage Wheat Cultivation through ferti seed drill in low lying areas	Wheat yield increase 30-40 %	50,000.00
		Seed production in cereals	Increase income Rs 40000-45000	80,000.00
		Natural Farming/ organic farming	Increase income Rs 25000-30000	50,000.00
		Improve Management of Cattle and Goat		1,00,000.0
		Resource conservation technology in Paddy	Wheat yield increase 40-45 %	1,00,000.0
		Improved technologies of Colocasia	Yield increase 30-35 %	50,000.00
			Total VillageName-1	5,80,000.0
2	Action Plan (including interventions made) for the village Mujahidpur and Budget requirement:	Popularize Wheat cultivation	Wheat yield increase 40-45 %	50,000.00
		Resource conservation technology in Paddy	Increase income Rs 25000-30000	1,00,000.0
		Improve Management of Cattle and Goat		1,00,000.0
		Post Harvest management in vegetables	Increase income 20-25 %	1,50,000.0
		Popularize IPM in vegetables	Increase income 20-25 %	50,000.00
		Vegetables cultivation through Improved technology with Natural farming	Vegetables yield increase 30-35 %	50,000.00
			Total Village Name-2	5,00,000.0
		Grand Total	10,80,000.00	

ACTION PLAN FOR NARI- 2023

OFT-1

Crop/Enterprise	:	Nutritional status
Title	:	Improvement of Nutritional status of farm women through blended wheat flour
Problem diagnosed	:	Low nutritional status of farm women
Production system and thematic area	:	Food Security
Source of technology	:	CSAU&T, Kanpur
No. of Family	:	10
Critical input	:	Fortified wheat flour
Details of technologies selected for assessment/ refinement		
Treatment	:	T ₁ Farmers Practice (Wheat flour) T ₂ Fortified wheat flour (75% Wheat+20% gram+5% Bajara)
Performance Indicators	:	
Technical	:	1. BMI Index
	:	2. Sensory evaluation
Economic	:	1. Net Income Rs. 2. C.B. ratio
Social	:	1. Acceptability 2. Farmer reaction
Results	:	Result Awaited

(ii) FLD in Home Science under NARI Project

Enterprise	Variety/breed/Species / others	No. of farmers	No. of Units	Critical inputs	Performance parameters/ indicators	Data on Parameter	
Nutritional kitchen garden to enhance nutritional status of family	Improve variety of vegetables	5	05	Seed + Bio-Pesticide	1.vegetable intake/day 2.Weight of family members 3. Clinical observation 4.Occurrence of disease		

Suggestions / New Items/ Initiatives

1. Watchman

At least two watchmen are essentially required for watching of KVK buildings and farm. For this, two persons may be kept on contractual basis for this Rs. **1.5 lakh** / year must be provided in addition.

Requirement regarding infrastructure

1. Low Land area:

The residential quarters in which the office is running in low area, in the rainy season there is no way to enter the office. So, about Rs. 5 lakh required for the same.

Requirement regarding Office

The Office of KVK is running in Type-C quarter and there is no furniture for smooth running office. The requirement of Rs. 6.86 Lakh is required items are as under: -

S.No.	Item	Quantity	Amount
1	Godrej Almirah	8	120000
2	Godrej Office Table	8	100000
3	Godrej Office Chairs	8	120000
4	Godrej Computer Table	2	20000
5	Godrej Computer Chair	2	16000
6	VIP Table and Chair (Godrej)	One Set	50000
7	Refrigerator	1	20000
8	Godrej Make Chair	25	150000
		Rs.	596000

ANNUAL ACTION PLAN

KVK HATHRUS (MAHA MAYA NAGAR)

(January 2023 to December, 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
Krishi Vigyan Kendra, Hathras PIN: 204101	Office	Personal	Pckvkhathras@ g.mail.com	http://mahamaya nagar.kvk4.in/
	-	9412564154		

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

Address	Telephone		E mail	Website
	Office	FAX		
Chandra Shekhar Azad University of Agriculture and Technology, Kanpur-208002	0512-2554600	0512-2533808		http://csau k.ac.in

1.2.b. Status of K.V.K., website : Working

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





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



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

Name	Telephone / Contact		
Dr. A. K. Singh	-	9412564154	pckvkhathras@gmail.com

1.4. 1.4. Year of sanction (as per MOU) : 2009

1.5. Staff Position (As on 1 Sept. 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Mobile No.	Email id	Please attach recent photograph
1.	Head & Sr. Scientist	Dr A. K. Singh	Senior Scientist and Head	Agronomy	144200-217100	10000 L-14	211800	16.11.91	Permanent	9412564154	pckvkhathras@gmail.com	
2.	Scientist	Dr Prana vir Singh	Scientist	Agronomy	79800-211500	8000 L-12	113700	16.10.2001	Permanent	9450812571	Prsinghnov5@gmail.com	
3.	Scientist	Dr Pushpa Devi	Scientist	Home Science	79800-211500	8000 L-12	101100	07.12.2004	Permanent	9452629071	kamalkant.iari@gmail.com	
4.	Scientist	Dr S. R. Singh	Scientist	Plant protection	79800-211500	8000 L-12	32560	11.04.08	Permanent	9454346490	Drsr Singh0@gmail.com	
5.	Scientist	Dr S. K. Rawat	Scientist	Animal Husbandry	79800-211500	8000 L-12	92500	11.04.08	Permanent	9005060801	sudhirkvk@gmail.com	
6.	Scientist	Dr. JAGDISH MISHRA	SCIENTIST	SOIL SCIENCE	78900-205500	7000 L-11	101200	11.4.08	Permanent	9793611959		
7.	O. S./Acctt.	Vacant										

8.	Prg.Asstt -	Sri S. C. Katiyar	Prg. Asstt. (Computer)	---	35400-112400	4200	47600	25.07.07	Permanent	9935108124	s.c.katiyar2507@gmail.com	
9.	Prg.Asstt	Vacant	---	---	----	---	---	---	---	---	---	---
10.	Computer operator	Sri Sanjay Kumar	---	---	-----	---	40400		Permanent	9457687127	sanju_up2005@yahoo.com	
11.	Farm Manager	Vacant	---	---	-----	---	---	---	---	---	---	---
12.	Jeep Driver											
13.	Tractor Driver	Naresh kumar	---	---	-----	---	---	---	---	---	---	---
14.	Supp-1	Sri Shiv singh	Anusewak	---	29200-92300	1900	28400	1.12.2005	Permanent	9410221989	-----	
15.	Supp-2										-----	

1.6. Total land with KVK (in ha) : 17.5

S. No.	Item	Area (ha)
1	Under Buildings	2.5
2.	Under Demonstration Units	1.0
3.	Under Crops	14.0
4.	Horticulture	0.0
5.	Pond	0.0
6.	Others if any	0.0
	Total	17.5

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						Incomplete
2.	Farmers Hostel	ICAR						Incomplete
3.	Staff Quarters (6)	ICAR						Incomplete
4.	Demonstration Units (7)	ICAR	2021					complete
5.	Fencing	RKVY						Incomplete
6.	Rain Water harvesting system	-						Incomplete
7.	Threshing floor	ICAR						Incomplete
8.	Farm go down	ICAR						Incomplete
9.	Other							

B) Vehicles: No any type of vehicle in K.V.K.:

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
TUV-300	2020	950000	34000	O.K
Tractor	2010	400,000	10000	O.K.

C) Equipments & AV aids:

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
COMPUTER	2018	35000	O.K
LAPTOP	2020	45000	O.K

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

Sl.No.	Date
1. Scientific Advisory Committee	21 SEPTEMBER 2021

2. DETAILS OF DISTRICT

Hathras (Erstwhile Mahamayanagar) district situated in south western semi-arid eco-system (zone - IV) of U.P. It is located at Latitude of 27⁰-29.11⁰ North and longitude of 77.29⁰ - 78.26⁰ East and is about 179.8 meter above mean sea level. District Hathras is surrounded by Aligarh in North, Agra in South, Kanshi Ram Nagar in East and in west by Mathura. There are 4 sub divisions and seven development blocks in district. The total geographical area of the district is 178968 ha; out of which net sown area is 145636 hectares. The area under irrigation is 144393 hectares. The cropping intensity is around 170 per cent. District enjoys moderate climate throughout the year. It is characterized by hot summer, cold winter and moderate rainy season. The annual rainfall is about 656 mm.

The soil of the district Hathras is alluvial soils. These soils characterized by their depth and a gray or grayish brown color. Their texture varies from sandy, sandy loam to clay loam. Structure is also variable, being loose, open and free draining in case of sandy soils and compact imperious in case of the clayey soils. In general the whole area is an indo gangetic plain with a gentle slope from North-West to South-East. Significant area of district is alkaline also. Hence, the coverage. Intensity and patterns of crops and farming systems are different from one area to another area. Jwar, Bajra, Maize, Cotton, Paddy, Arhar and Moong are major crops during kharif, while Wheat, Mustard field pea and potato are commonly grown in rabi season. Cotton and Sugarcane (with small area) are major cash crops of the district. Summer Bajra has been introduced recently and now the area under the crop increased markedly. The small and marginal farmers are growing vegetable like cucurbits, Brinjal and Onion. Guava, Mango, Aonla and Ber are main fruit crops of the area.

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

S.No	Farming system/enterprise
1.	Crop production
2.	Crop production +Dairy
3.	Crop production +Dairy+ Goatry
4.	Crop production+ Dairy+ Goatry+ Poultry
5.	Crop production +Dairy Horticulture

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

SN	Agro-climatic Zone	Characteristics	Agro ecological situation	Characteristics
1.	South west Gangetic region (semi-arid to tropical)	Hot summer up to 47-48 ⁰ C in June, cold winter up to 2.2 ⁰ C in January and moderate rain fall. (656mm)	AES-1 AES-2	Shallow soils, Sandy loam soil, irrigated, problem of brackish water irrigated with canal and tube well, rice and rose is also grown. Deep soil sandy in texture poor in fertility irrigated with canal tube well, Bajra and Maize in Kharif and Wheat in Rabi is grown.

b) Topography

S. No.	Agro ecological situation	Characteristics
1	Hathras (Erstwhile Hathras) district situated in south western semi-arid eco-system (zone - IV) of U.P	Shallow soils, Sandy loam soil, irrigated, problem of brackish water irrigated with canal and tube well, rice and rose is also grown.

2.3 Soil type

S. No	Soil type	Characteristics	Area in ha
1.	Sandy	<ul style="list-style-type: none"> Poor water holding capacity Shallow soil depth Poor fertility Lacking organic carbon contents Well drained 	68647
2.	Sandy Loam	<ul style="list-style-type: none"> Poor in drainage Good water holding capacity. Problem of salinity Good soil depth. Well fertile. 	76989

2.4. Area, Production and Productivity of major crops cultivated in the district (2021-22)

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1.	Rice	21881	46519	21.26
2.	Wheat	78656	319815	40.66
3.	Barley	2018	7000	34.69
4.	Maize	09	25	28.02
5.	Bajra	39932	73914	18.51
6.	Urd	120	648	5.40
7.	Moong	62	256	4.14
8.	Arhar	607	1200	2.00
9.	Cotton	1.448	18210	12.47
10.	Mustard	10900	16672	15.30
11.	Potato	43.59	11240	257.85

2.5. Weather data (2022)

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)
		Maximum °C	Minimum °C	
January-22	0.00	15	7	-
Feb-22	0.00	21	13	-
March-22	41	31	20	-
April-22	35	38	15	-
May-22	10	44	25	-
June-22	60	45	37	-
July-22	90	42	38	-
August-22	83	40	33	-
Annual Total	319 mm			-
Annual Average		33.91	22.16	30

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

Category	Population
Cattle	
<i>Crossbred</i>	5074
<i>Indigenous</i>	50518
Buffalo	353594
Sheep	8427
Goats	83932
Pigs	13676
Poultry	46295

2.7 Details of Operational area / Villages

S.N.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Sasni	Sasni	Khorna	Potato Wheat, Chilli, Ladyfinger, Tomato, cauliflower	Poor productivity of vegetables and Potato. Due to disease and insect infestation	-Poor productivity and quality of vegetables. -Popularization of hybrid seed of vegetables. -Soil and water management. - I.N.M. - I.P.M. -I.D.M.
2	Sikandrarao	Hasayan	Bavas	Potato, Wheat, Mustard Bajra, Dairying and Goat rearing	Poor productivity of Potato, wheat and Mustard. Dairying and Goat rearing	-Poor productivity of food grains. -Popularization of hybrid INM in Bajra . -Increasing productivity of pulses and oil seeds. -Soil and water management. - I.N.M. - I.P.M.

3	Hathras	Mursan	Ahvaranpur	Rice, Wheat, Mustard Bajra, Potato, Vegetables, Dairying and Goat rearing	Poor productivity of wheat and rice and vegetables Dairying and Goat rearing	-Poor productivity of food grains. -Popularization of hybrid Bajra, Maize and Rice and vegetables cultivation. -Increasing productivity of oil seeds. -Soil and water management. - I.N.M. - I.P.M.
4	Sasni	Sasni	Ruheri	Potato Wheat, paddy, Chilly, Ladyfinger. Tomato, Cauliflower,	Poor productivity of vegetables and Potato. Due to disease and insect infestation	-Poor productivity and quality of vegetables. -Popularization of hybrid seed of vegetables. -Soil and water management. - I.N.M. - I.P.M. -I.D.M.
5	Sikandraro	Hasayan	susamai	Potato Wheat, paddy, Chilly, Ladyfinger. Tomato, Cauliflower, Rose, Marigold	Poor productivity of vegetables and Potato. Due to disease and insect infestation	-Poor productivity and quality of vegetables. -Popularization of hybrid seed of vegetables. -Soil and water management. - I.N.M. - I.P.M. -I.D.M.

2.8: Priority thrust areas

S.N.	Thrust area
1.	Package of practices of food grains.
2.	Popularization of hybrid Bajra, Maize, vegetables and Rice cultivation.
3.	Increasing productivity of pulses and oil seeds.
4.	Soil and water management.
5.	I.N.M., I.P.M. and I.D.M.
6.	Training of school drops out for self employment in Agri-business.
7.	Suitable measure for infertility and balanced nutrition in daily cattle and buffaloes.
8.	Green fodder management in lean periods
9.	Conservation of household resources and income generating activities
10.	Formation of self help group for their socio-economic upliftment
11.	Off season vegetable cultivation
12	Advanced agricultural machinery/implement for precision farming
13	To introduce improved varieties of seeds, fruits, vegetables & multipurpose trees
14	Maximum utilization of farmer land, there is a need for a forestation through Agro forestry & orchard development

3. TECHNICAL PROGRAMME Jan.- Dec., 2023

A. Details of targeted mandatory activities by KVK

OFT		FLD	
1		2	
Number of OFTs	Number of Farmers	Area	Number of Farmers
10	50	34 ha & 150 animal	155

Training		Extension Activities	
3		4	
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2500	310	8654

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)
Farm is not working	N.A.	N.A.	100	100

Quality seed distributed (q)	No. of saplings distributed (Nos.)	No. of fingerlings distributed (Nos.)	No. of livestock & poultry strains distributed (Nos.)
(10)	(11)	(12)	(13)
15 qt.	N.A.	N.A.	50

B. Abstract of Interventions to be undertaken

S. N.	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel	Ext. activities	Supply of seeds, planting materials etc.
1.	Disease management	Rice	Incidence of Disease	Management of rice blast through fungicides	-	Management of rice blast through fungicides	-	Training Field day	Fungicide
2.	Pest management	Brinjal	Heavy infestation of Fruit and shoot borer	Management of fruit and stem borer through insecticide and bio-Pesticide in brinjal.	-	IPM in brinjal	-	Training Field day	Bio-pesticides and insecticides
3.	Pest management	Chilli	Heavy infestation of Leaf curl.	Management of leaf curl of chilly through insecticide.	-	Disease management in chilli	-	Training Field day	Insecticides
4.	Grazing and use of unbalanced ration	Buffalo	Buffalo reared by farmer are yielding milk 4 lt/day which is quite low	Low yield of milk in buffalo	-	Balance ration for milch animal	-	Training Field day	Balance ration
5.	Balance feed & supplement	Goat	Balance feeding with supplement	Balance feeding with supplement	-	Goat Rearing, Goat & Sheep Rearing	Goat Rearing	Field day Training	Concentrate & supplement
6.	Worm problem	Dairy	Poor Health, Milk Production	--	Use of Fenbendazole, bolus			Field day, Training	Fenbendazole , bolus
7	Poultry production	Poultry	Poor Growth & health	--	Use of Feed & mineral mixture	Use of Feed & mineral mixture		Field day, Training	Feed & mineral mixture

8	Food security	Farm women	Low nutritional status of farm women	Improvement of Nutritional status of farm women through blended wheat flour				Field day, Training	Fortified wheat flour
9	Food security	Adolescent girl	Deficiency of Hemoglobin in adolescent girls.	Intervention of value added 453jaggery for increasing the Hemoglobin level of adolescent girls				Field day, Training	Different preparations from jiggery
10	Food preservation	Farm women	Increase the keeping quality of muraba and pickles	--	Preservation of aonla and mango	Preservation of fruits		Field day, Training	recommended dose of preservatives & selection of varieties
11	Nutritional kitchen gardening	Farm women	variety of vegetables	--	Nutritional kitchen gardening to enhance health status of family	Importance of kitchen gardening for household food security		Field day, Training	Seed, Bio-Pesticide
12	Disease management in Potato	Potato	Poor Quality and low yield of potato	Assessment of suitable chemical for controlling black scurf disease of potato	--	---	----	Field day, Training	chemical
13	Late blight of potato management	Potato	Low yield due to disease incidence	-	Management of late blight through fungicides	Identification and management of potato diseases	-	Field day, Training	Fungicide

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	Oilseed	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	1	-	-	-	1	-	-	-	-	2
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	1	-	-	-	-	-	-	-	-	1
Integrated Crop Management	-	1	-	-	-	-	-	-	-	1
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	1	-	-	-	-	-	-	-	-	1
Integrated Pest Management			1	1	-	-	-	-	-	2
Integrated Disease Management	1	-	-	1	1	-	-	-	-	3
Small Scale enterprises	-	-	-	-	-	-	-	-	-	-
TOTAL	4	1	1	2	2	-	-	-	-	10

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 Crop	TOTAL
Varietal Evaluation	1									1
Seed / Plant production										
Weed Management	1									1
Integrated Crop Management		1								1
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction	1									1
Integrated Pest Management	1				1					2
Integrated Disease Management										
Small Scale income generating enterprises										
TOTAL	4	1			1					6

A.3. Abstract on the Number of Technologies to be Assessed in Respect of Livestock/Enterprises.

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Buffalo	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management	-	-		1		1		2
Disease of Management	-	-		-	-	-	-	-
Value Addition	-	-		-	-	-	-	-
Production and Management	-	-		-	-	-	-	-
Feed and Fodder	-	-		-	-	-	-	-
Small Scale enterprises	-	-		-	-	-	-	-
TOTAL	-	-		1	-	1	-	2

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-		-	-	
Nutrition Management	1		-	-		-	-	1
Disease of Management		1	-	-		-	-	1
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
TOTAL	1	1		-	-	-	-	2

B. Details of On Farm Trial:

Plant Protection

OFT-1

	Crop/Enter prizes	Rice
1	Title of on farm trial	Management of rice blast through fungicides
2	Problem Diagnosed	Incidence of Disease
3	Farmer situation	Irrigated
4	Production system and thematic area	Disease management
5	Farmers practice	Use of local variety,
6	Details of technologies selected for assessment/refinement	T ₁ - Farmer's practice (No use of seed nursery treatment) T ₂ - Foliar spray of Tricyclazol 2.0 ml/lit. at 15 days interval
7	Source of technology	C.S.A.U.A. & T., Kanpur
8	No. of farmers	5
9	Critical input	Fungicides
10	Performance indicators Technical: Economic: Social:	<ul style="list-style-type: none"> ➤ Damage plant/m² ➤ Yield/plot ➤ Yield (q/ha) ➤ C:B Ratio ➤ Acceptability of control of rice blast Through fungicides

OFT-2

1	Crop/Enter prizes	Chilli
2	Title of on farm trial	Management of leaf curl of chilli through insecticide.
3	Problem Diagnosed	Low yield of Chilli due to Virus infection.
4.	Farmer situation	Irrigated
5.	Production system and thematic area	Leaf curls virus management.
6.	Farmers practice	No proper use of insecticide.
7.	Details of technologies selected for assessment/refinement	T ₁ -Farmer practice (seed treatment with Imidacloprid 70 WS @ 2.5g/kg seed) T ₂ – Imidacloprid 0.5 ml/lit flowering stage and fruit setting
8.	Source of technology	C.SA.U.A. & T., Kanpur
9.	No. of farmers	5
10.	Critical input	Insecticide.
11.	Performance indicators Technical: Economic: Social:	<ul style="list-style-type: none"> ➤ Damage plant/m² ➤ Yield /plot ➤ Yield q/ha ➤ Cost of cultivation, Gross income, net income, cost of critical input, B : C Ratio ➤ Acceptability of curl management.

Agronomy

OFT-3

1.	Crop/Enterprise	Wheat
2.	Title of on-farm trial	Assessment of timely sown wheat varieties for higher yield and income.
3.	Problem diagnosed	Poor yield due to use of old varieties.
4.	Farming situation	Irrigated
5.	Production system and thematic area	Varietal evaluation.
6.	Farmers' Practices	Use of varieties i.e. HD 2967
7.	Details of technologies selected for assessment/refinement	T ₁ - Farmers practice (use of varieties i.e. HD 2967) T ₂ - K-1317
8	No. of farmers	05
9	Source of technology	CSAUAT, Kanpur and DWBRI, Karnal
10	Critical input	Seed
11	Performance indicators (i) Technical (ii) Economic (iii) Social	Yield q/ha. C:B ratio. Acceptance.

OFT-4

1	Crop/Enterprise	Paddy
2	Title of on-farm trial	Assessment of Nano liquid nitrogen fertilizers on soil health and nutritional quality of Transplanted rice (PB-1509) varieties.
3	Problem diagnosed	Decreasing soil health and nutritional value due to use of continuous urea nitrogenous fertilizers.
4	Farming situation	Irrigated
5	Production system and thematic area	Nutritional management.
6	Farmers' Practices	Recommended NPK
7	Details of technologies selected for assessment/refinement	T ₁ - Farmers practice (100% use of NPK) T ₂ - 50% N, Through Nano+50% N Through Urea
8	No. of farmers	04
9	Source of technology	IFFCO. Pvt.Ltd.
10	Critical input	Nano liquid nitrogen fertilizers
11	Performance indicators (i) Technical (ii) Economic (iii) Social	Yield q/ha. C:B ratio. Acceptance.

Soil science**OFT - 5**

1	Crop/Enterprise	Wheat
2	Title of on-farm trial	Use of balance fertilizer in wheat crop
3	Problem diagnosed	Low yield due to no use of balance fertilizer
4	Farming situation	Irrigated
5	Production system and thematic area	Rabi, Irrigated, rice- wheat
6	Farmers' Practices	use of PBW - 343
7	Details of technologies selected for assessment/refinement	T ₁ -Farmer practice - N/200 P/140 K/0.0 T ₂ - Balance fertilizer - N 150 P 60 K 40 Zn 5.0 Sulphar 25.kg/ha
8	No. of farmers	05
9	Source of technology	CSA University Kanpur
10	Critical input	Sulphur, Zinc
11	Performance indicators (i) Technical (ii) Economic (iii) Social	No. of grains per plant, No. year per plant, yield (Kg./ha.) CB Ratio, Productivity Q./ha. Acceptance.

OFT - 6

1	Crop/Enterprise	Green Gram
2	Title of on-farm trial	Varietal evaluation of summer Green Gram
3	Problem diagnosed	Low yield due to local variety
4	Farming situation	Irrigated
5	Production system and thematic area	Maize, potato, summer Green Gram
6	Farmers' Practices	Local variety
7	Details of technologies selected for assessment/refinement	T ₁ -Farmer practice - (Variety PDM - 139) T ₂ - Virat
8	No. of farmers	5
9	Source of technology	IIPR Kanpur
10	Critical input	Seed
11	Performance indicators (i) Technical (ii) Economic (iii) Social	Yield CB Ratio Acceptance.

OFT - 7

1	Crop/Enterprise	Mustard
2	Title of on-farm trial	Varietal evaluation of mustard crop in Usar soil
3	Problem diagnosed	Low yield due to local variety
4	Farming situation	Irrigated
5	Production system and thematic area	Rabi, Irrigated, rice- wheat
6	Farmers' Practices	Sowing of Mustard Kanti
7	Details of technologies selected for assessment/refinement	T ₁ -Farmer practice - (Variety Kanti) T ₂ - CS-58
8	No. of farmers	05
9	Source of technology	CSSRI, Lucknow
10	Critical input	Seed, Sulfur
11	Performance indicators (i) Technical (ii) Economic (iii) Social	Yield CB Ratio Acceptance.

Animal Husbandry

OFT-8

1	Crop/Enter prizes	Buffalo
2	Title of on farm trial	Reducing the worm burden and increasing body weight of Buffalo by a internal parasitic control.
3	Problem Diagnosed	Decrease in body weight and infertility due to worm burden.
5	Production system and thematic area	Health Management
6	Farmers practice	NIL
7	Details of technologies selected for assessment/refinement	T ₁ - NIL T ₂ – Bandy kind plus (Albendazole 3g, Ivermectin 100mg).
8	Source of technology	Mankind Pharma
9	No. of farmers	05
10	Duration	03 month
11	Critical input	Bandy kind plus
12	Performance indicators Technical: Economic: Social:	<ul style="list-style-type: none"> ➤ Milk production ➤ Body weight gain ➤ fertility rate ➤ Estrous cycle regularity ➤ C : B Ratio ➤ Acceptability of importance of balance rations feeding and by pass protein to milch animal.

OFT-9

1	Crop/Enter prizes	Dairy Cow
2	Title of on farm trial	Assessment of Azolla feeding as green fodder on milk production in dairy cow
3	Problem Diagnosed	Low milk production from cow due to unavailability of green fodder
4	Farmer situation	Grazing
5	Production system and thematic area	Feed management
6	Farmers practice	Local practice grazing
7	Details of technologies selected for assessment/refinement	T1- Farmers Practice (feeding wheat and paddy straw without supplementation of green fodder) T2- Use of Azolla @ 1.0 Kg. per animal per day with existing fodder.
8	Source of technology	NDRI Karnal
9	No. of farmers	05
10	Duration	Duration 90 days
11	Critical input	Azolla and polythene sheet
12	Performance indicators Technical: Economic: Social:	<ul style="list-style-type: none"> ➤ Milk production ➤ C : B Ratio ➤ Acceptability of importance of balance rations feeding and supplement to cow.

Home Science

OFT-10

1	Crop/Enterprise	Farm Women
2	Title	Improvement of Health status of farm women through blended wheat flour
3	Problem diagnosed	Low nutritional status of farm women
4	Production system and thematic area	Food security
6	Source of technology	CSAU&T, Kanpur
7	No. of Farmers	05
8	Critical input	Fortified wheat flour
10	Details of technologies selected for assessment / refinement	T ₁ : Farmers practice (Wheat flour) T ₂ : Fortified wheat flour (65% Wheat + 15% Gram +10%jwar+ 5%soyabean+5%Bajra)
	Performance Indicators <div style="text-align: right;"> Technical Economic Social </div>	1 – BMI index 2 – Sensory evaluation 1 - Net income (Rs/ha) 2 - C:B ratio 1 –Acceptability

OFT -11

1	Crop/Enterprise	Elderly Women
2	Title	Intervention of value added jaggery for increasing the Hemoglobin level of elderly women.
3	Problem diagnosed	Deficiency of Hemoglobin in elderly women.
4	Production system and thematic area	Food security
5	Source of technology	Indian Council of Medical Research(I.C.M.R.), New Delhi
6	No. of Farmers	05
7	Critical input	Different preparations from jiggery
8	Details of technologies selected for assessment / refinement	T ₁ : Traditional Practice-No consumption of iron in daily diet. T ₂ : Intervention of value added jaggery
9	Performance Indicators <div style="text-align: right;"> Technical Economic Social </div>	1 – Hb level 2 – Anthropometric measurements 1 – Nutritional 2 – Socio-Economic status 1 –Acceptability

3.2 Frontline Demonstrations

A. Details of FLDs to be organized –

S. N.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers	Parameters identified
1	Potato	Kufri Bahar	Irrigated	Fungicide evaluation	Curzate M-8	Rabi 2023-24	2	10	Disease incidence & C : B ratio
2	Wheat	HD-2967	Varietal evaluation	Improved Variety	Seed	Rabi 2023-24	2	20	Yield & Net Return
3	Rice	PUSA-1509	Varietal evaluation	Improved Variety	Seed	Kharif 2023	2	20	Yield & Net Return
4	Mustard	RH-749	VE	Improved Variety	Seed and sulphur	Rabi 2023-24	2	20	return B:C ratio
5	Moong	PDM-54	VE	Improved Variety	Seed Rhizobium Culture	Zaid- 2023	2	20	Yield, Net Return B:C ratio
6	Urd	Azad Urd-2	Varietal Evaluation	Improved variety	Seed Rhizobium Culture	Zaid -2023	2	20	Yield, Net Return B:C ratio
7	Mustard	Varuna	INM	INM	Sulphur @ 25/ha	Rabi 2023	2	20	Yield, Net Return B:C ratio
8	Moong	IPM 2-3	INM	INM	Sulphur @ 25/ha	Zaid 2024	2	10	Yield, Net Return B:C ratio
	Total						16	110	

B. Details of FLD on Enterprises

(i) Livestock Enterprises:

Enterprise	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / Indicators
Buffalo	30	60	Fenbendazole, bolus	Health, Milk Production
Poultry production	5	50	Feed & mineral mixture	Growth & health

(i) Home Science

Enterprise	Variety/ breed/Species/others	No. of farmers	No. of Units	Critical inputs	Performance parameters / Indicators
Preservation of aonla and mango	Increase the keeping quality of muraba and pickles	05	05	Fruit & preservatives	Glacial acetic acid
Nutritional kitchen gardening to enhance health status of family	Improved variety of vegetables	5 Families	05	Seed + Bio-Pesticide	1.vegetableintake/da 2. Weight of family members 3. Clinical observation 4.Occurrence of disease

c. Extension and Training activities under FLDs

S.No.	Activity	No. of activities	Month	Number of participants
	Cereals:(Rice And Wheat)			
1.	Field days	20	Oct. and February	400
2.	Farmers Training	3	May and July,	90
3.	Media coverage	3	Oct-feb.	Mass
4.	Training for extension functionaries	1	Nov.	20
	Commercial crop (chilli)			
1.	Field days	2	Dec	40
2.	Farmers Training	1	Aug	25
3.	Media coverage	1	Jan.-Feb.	mass
4.	Training for extension functionaries	-	-	-
	Vegetable(Potato)			
1.	Field days	2	November and Dec.	30
2.	Farmers Training	2	Dec. Jan.	50
3.	Media coverage	1	Jan. Feb.	mass
4.	Training for extension functionaries	-	-	-
	Deworming (Buffalo)			
1.	Field days	2	November and Dec.	30
2.	Farmers Training	2	Dec. Jan.	50
3.	Media coverage	1	Jan. Feb.	mass
4.	Training for extension functionaries	-	-	-
	Poultry (Balance feeding)			
1.	Field days	2	November and Dec.	5
2.	Farmers Training	2	Dec. Jan.	50
3.	Media coverage	1	Jan. Feb.	mass
4.	Training for extension functionaries	-	-	-

Sponsored Demonstration: As per need of sponsoring agency

Crop	Area (ha)	No. of farmers
NFSM- Oil seed	20.0	50
NFSM- Pulse	20.0	50

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

ON Campus: campus not ready

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(C) Extension Personnel								
Productivity enhancement in field crops	2	36	-	36	14	-	14	50
Integrated Pest Management	1	18	-	18	7	-	7	25
Integrated Nutrient management	1	18	-	18	7	-	7	25
Rejuvenation of old orchards	-	-	-	-	-	-	-	-
Protected cultivation technology	1	18	-	18	7	-	7	25
Formation and Management of SHGs	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-

Capacity building for ICT application	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	2	36	-	36	14	-	14	50
WTO and IPR issues	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-
Household food security	1	-	18	18	-	7	7	25
Women and Child care	1	-	18	18	-	7	7	25
Low cost and nutrient efficient diet designing	1	-	18	18	-	7	7	25
Production and use of organic inputs	1	18	-	18	7	-	7	25
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-
Any other (Pl. Specify) Prevention measure against diseases	1	18	-	18	7	-	7	25
Any other (Pl. Specify) Improved Poultry production	1	18	-	18	7	-	7	25
Any other (Pl. Specify) establishment of new orchard	1	18	-	18	7	-	7	25
TOTAL	14	194	54	248	78	21	99	305
G. Total	14	194	54	248	78	21	99	305

B. Off campus training (including the sponsored and FLD programmes)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	18	4	22	6	2	8	30
Resource Conservation Technologies	1	20	2	22	6	2	8	30
Integrated Farming	1	18	4	22	6	2	8	30
Water management	4	72	10	82	24	12	36	118
Seed production	1	18	4	22	6	2	8	30
Integrated Crop Management	1	16	4	20	6	2	8	28
Fodder production	1	18	4	22	6	2	8	30
Production of organic inputs	1	18	2	20	6	4	10	30
Total	11	198	34	232	66	28	94	326
III Soil Health and Fertility Management								
Soil and Water Conservation	1	18	4	22	6	2	8	30
Integrated Nutrient Management	2	36	8	44	12	4	16	60
Production and use of organic inputs	2	36	8	44	12	4	16	60
Nutrient Use Efficiency	2	36	6	42	11	5	16	58
Total	7	126	26	152	41	15	56	208
IV Livestock Production and Management								
Dairy Management	4	73	3	76	20	4	24	100
Poultry Management	2	33	5	38	9	3	12	50
Disease Management	2	33	5	38	9	3	12	50
Feed management	5	82	8	90	30	5	35	125

Production of quality animal products	1	17	3	20	3	2	5	25
Total	14	238	24	262	71	17	88	350
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	6	30	36	4	10	14	50
Design and development of low/minimum cost diet	2	6	30	36	4	10	14	50
Designing and development for high nutrient efficiency diet	1	3	15	18	2	5	7	25
Minimization of nutrient loss in processing	1	3	15	18	2	5	7	25
Gender mainstreaming through SHGs	2	6	30	36	4	10	14	50
Storage loss minimization techniques	1	-	-	-	-	-	-	-
Value addition	2	6	30	36	4	10	14	50
Income generation activities for empowerment of rural Women	2	6	30	36	4	10	14	50
Location specific drudgery reduction technologies	1	3	15	18	2	5	7	25
Rural Crafts	1	3	15	18	2	5	7	25
Women and child care	1	3	15	18	2	5	7	25
Total	16	45	225	270	30	75	105	375
VI Plant Protection								
Integrated Pest Management	4	71	12	83	15	2	17	100
Integrated Disease Management	7	114	22	136	32	7	39	175
Bio-control of pests and diseases	4	63	10	73	19	8	27	100
Production of bio control agents and bio pesticides	1	15	3	18	5	2	7	25
Total	16	263	47	310	71	19	90	400
TOTAL	64	870	356	1226	279	154	433	1659
(B) RURAL YOUTH								
Mushroom Production	2	12	6	18	8	4	12	30
Seed production	1	6	3	9	4	2	6	15
Production of organic inputs	1	6	3	9	4	2	6	15
Vermi-culture	1	6	3	9	4	2	6	15
Value addition	1	6	3	9	4	2	6	15
Preparation of concentrate mixture	1	6	1	7	2	1	3	10
Poultry production	1	6	1	7	2	1	3	10
TOTAL	8	48	20	68	28	14	42	110
(C) Extension Personnel								
Productivity enhancement in field crops	2	36	-	36	14	-	14	50
Integrated Pest Management	1	18	-	18	7	-	7	25
Integrated Nutrient management	1	18	-	18	7	-	7	25
Care and maintenance of farm machinery and implements	2	36	-	36	14	-	14	50
Household food security	1	-	18	18	-	7	7	25
Women and Child care	1	-	18	18	-	7	7	25
Low cost and nutrient efficient diet designing	1	-	18	18	-	7	7	25
Production and use of organic inputs	1	18	-	18	7	-	7	25
Any other (Pl. Specify) PMFBY	1	15	-	15	5	-	5	20
TOTAL	12	156	54	210	59	21	80	290
G. TOTAL	76	1026	410	1436	338	175	513	1949

Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	18	4	22	6	2	8	30
Resource Conservation Technologies	1	20	2	22	6	2	8	30
Integrated Farming	1	18	4	22	6	2	8	30
Water management	4	72	10	82	24	12	36	118
Seed production	1	18	4	22	6	2	8	30
Integrated Crop Management	1	16	4	20	6	2	8	28
Fodder production	1	18	4	22	6	2	8	30
Production of organic inputs	1	18	2	20	6	4	10	30
Total	11	198	34	232	66	28	94	326
IV Livestock Production and Management								
Dairy Management	4	73	3	76	20	4	24	100
Poultry Management	2	33	5	38	9	3	12	50
Piggery Management	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-
Disease Management	2	33	5	38	9	3	12	50
Feed management	5	82	8	90	30	5	35	125
Production of quality animal products	1	17	3	20	3	2	5	25
Total	14	238	24	262	71	17	88	350
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	6	30	36	4	10	14	50
Design and development of low/minimum cost diet	2	6	30	36	4	10	14	50
Designing and development for high nutrient efficiency diet	1	3	15	18	2	5	7	25
Minimization of nutrient loss in processing	1	3	15	18	2	5	7	25
Gender mainstreaming through SHGs	2	6	30	36	4	10	14	50
Storage loss minimization techniques	1	-	-	-	-	-	-	-
Value addition	2	6	30	36	4	10	14	50
Income generation activities for empowerment of rural Women	2	6	30	36	4	10	14	50
Location specific drudgery reduction technologies	1	3	15	18	2	5	7	25
Rural Crafts	1	3	15	18	2	5	7	25
Women and child care	1	3	15	18	2	5	7	25
Total	16	45	225	270	30	75	105	375
VII Plant Protection								
Integrated Pest Management	4	71	12	83	15	2	17	100
Integrated Disease Management	7	114	22	136	32	7	39	175
Bio-control of pests and diseases	4	63	10	73	19	8	27	100
Production of bio control agents and bio pesticides	1	15	3	18	5	2	7	25

Total	16	263	47	310	71	19	90	400
TOTAL	64	870	356	1226	279	154	433	1659
(B) RURAL YOUTH								
Mushroom Production	2	12	6	18	8	4	12	30
Seed production	1	6	3	9	4	2	6	15
Production of organic inputs	1	6	3	9	4	2	6	15
Vermi-culture	1	6	3	9	4	2	6	15
Value addition	1	6	3	9	4	2	6	15
Preparation of concentrate mixture	1	6	1	7	2	1	3	10
Poultry production	1	6	1	7	2	1	3	10
TOTAL	8	48	20	68	28	14	42	110
(C) Extension Personnel	-	-	-	-	-	-	-	-
Productivity enhancement in field crops	2	36	-	36	14	-	14	50
Integrated Pest Management	1	18	-	18	7	-	7	25
Integrated Nutrient management	1	18	-	18	7	-	7	25
Care and maintenance of farm machinery and implements	2	36	-	36	14	-	14	50
Household food security	1	-	18	18	-	7	7	25
Women and Child care	1	-	18	18	-	7	7	25
Low cost and nutrient efficient diet designing	1	-	18	18	-	7	7	25
Production and use of organic inputs	1	18	-	18	7	-	7	25
Any other (Pl. Specify) Prevention measure against diseases	1	15	-	15	5	-	5	20
Any other (Pl. Specify) PMFBY	1	15	-	15	5	-	5	20
TOTAL	12	156	54	210	59	21	80	290
G. TOTAL	76	1026	410	1436	338	175	513	1949

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	28	350	62	412	12	-	12	362	62	424
Kisan Mela	2	400	100	500	25	5	30	425	105	530
Kisan Ghosthi	30	2000	300	2300	150	-	150	2150	300	2450
Lectures delivered as resource persons	60	3200	600	3800	300	-	300	3500	600	4100
Newspaper coverage	50									
Radio talks	9									-
TV talks	0									500
Popular articles	10									
Extension Literature	10									
Advisory Services	30									40
Scientific visit to farmers field	55									150
Farmers visit to KVK										

Diagnostic visits	50									150
Exposure visits	0									0
Animal Health Camp	1									200
Soil test campaigns	2									
Celebration of important days										
Kisan Divas	1	60	10	70	10	-	10	70	10	80
Apni mitti pehchano	2	105	15	120	10	-	10	115	15	130
Any Other (Specify)										
Total	340	6115	1087	7202	507	5	512	6622	1092	8754

3.5 Target for Production and supply of Technological products April 2023-july 2023

SEED MATERIALS: Note: Farm is not in operational condition.

Sl. No.	Crop	Variety	Quantity (qtl.)
	CEREALS		
	OILSEEDS		
	PULSES		
	VEGETABLES		
	OTHERS (Specify)		

PLANTING MATERIALS: Farm is not in operational condition

Sl. No.	Crop	Variety	Quantity (Nos.)
1	FRUITS		
2	SPICES		
3	VEGETABLES		
4	FOREST SPECIES		
5	ORNAMENTAL CROPS		
		Total	

Bio-products: N.A.

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

LIVESTOCK: Farm is not in operational condition

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
1	Cattle			
2	Goat			
3	Sheep			
4	Poultry			
5	Pig Farming			
6	Fisheries			

3.6 Literature to be Developed/Published

(A) KVK News Letter

Date of start : April 2016 (Quarterly)

Number of copies to be published : 4000

(B) Literature developed/published

S. No.	Topic	Number
1	Research papers	5
2	Technical reports	8
3	News letters	4 issues
4	Training manual	2
5	Popular article	8
6	Extension literature	20
Total		47

(C) Details of Electronic Media to be Produced: N.A.

S. No.	Type of media (CD/VCD/DVD/Audio-Cassette)	Title of the programme	Number
1	CD	Report presentation (APR) & SAC presentation	3

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

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
 - i) Social economic
 - ii) Bio-Physical
- f. Good Action Photographs

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

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

3.9 Indicate the methodology for identifying OFTs/FLDs

- For OFT :**
- i) Field level observations
 - ii) Farmer group discussions

For FLD :

- i) New variety/technology
- ii) Observing causes of poor yield at farmers level

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: Not Established

1. Year of establishment : N.A

2. List of equipments purchase with amount: N.A.

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	250	200	10	NA
Water	-	-	-	-
Plant	-	-	-	-
Total	250	200	10	NA

4. LINKAGES**4.1 Functional linkage with different organizations**

Name of organization	Nature of linkage
1. Agriculture Deptt.	conducting training programmes and demonstration
2. Horticulture Deptt.	conducting training programmes and demonstration
3. Soil Conservation Deptt.	conducting training programmes and demonstration
4. IFFCO	conducting training programmes and demonstration

5. KRIBHKO	conducting training programmes and demonstration
6. U.P. State AGRO	conducting training programmes and demonstration
7. Plant Protection Deptt.	conducting training programmes and demonstration
8. Fisheries Deptt.	conducting training programmes and demonstration
9.NFL	conducting training programmes and demonstration
10. Animal Husbandry Deptt.	conducting training programmes, vaccination and Health camp

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district **Yes**

S. No.	Programme	Nature of linkage
1.	Training	As a expert
2.	Meeting of Governing Board	As a member
3.	Farm School	As expert

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Board meeting	As a member
2	Trainings	As expert

4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage

1. Utilization of hostel facilities: Hostel in not available

S.N.	programmes	No of days
1		
2		
	Total	

6.0 Convergence with departments:

Coordination and discussion about problems and solution on the basis of OFT and FLD results.

7.1. Details of the programmes being implemented by your KVK in partnership with other institution; None

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: N.A.

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 (2023)

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

9.0 Feedback of the farmers about the technologies demonstrated and assessed :

Feedback will take from farmers in meetings and personal conversation.

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

Training Programme-2023

i) 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	
PLANT PROTECTION										
Jan.-23	PF	Management of insect through Bio pesticides in pulses crop.	1	15	3	18	5	2	9	25
Feb.-23	PF	Seed treatment with bio-agents and fungicide for Zaid crops.	1	17	2	19	4	2	6	25
Mar.23	PF	Disease management in cucurbitaceous crop.	1	15	3	18	5	2	7	25
	PF	Preparation and use of bio-pesticides	1	17	2	19	4	2	6	25
April-23	PF	Important disease and pest of okra and their management.	1	18	2	20	4	1	5	25
May-23	PF	Identification and management of chilly insect.	1	17	3	20	3	2	5	25
June-23	PF	Management of insect pest of vegetables through insecticides and bio-insecticides	1	19	2	21	3	1	4	25
July-23	PF	Integrated disease management in cucurbitaceous crop.	1	15	4	19	5	1	6	25
	PF	Management of disease and insect in cotton	1	16	3	19	4	2	6	25
Sept.- 23	PF	Seed treatment in kharif season crop.	1	15	3	18	6	1	7	25
	PF	Seed treatment of potato crop.	1	16	2	18	5	2	8	25
Nov.- 23	PF	IPM practices in brinjal.	1	19	3	22	3	0	3	25
	PF	Use of pheromone trap in pulses and vegetables.	1	17	3	20	4	1	5	25
Dec.- 23	PF	Important disease and insects of mustard crop and their management	1	16	4	20	5	0	8	25
	PF	Management of pod borer in pea through neem oil and insecticides.	1	15	3	18	5	2	7	25
	PF	Identification and management of wheat diseases	1	16	4	20	5	0	8	25
ANIMAL HUSBANDRY										
Jan-23	PF	Prevention measure against diseases.	1	15	3	18	5	2	9	25
Feb-23	PF	Goat rearing	1	17	2	19	4	2	6	25
	PF	Preparation of milk product	1	15	3	18	5	2	7	25
March-23	PF	Balance ration for milch animals	1	17	2	19	4	2	6	25
April-23	PF	Preparation of silage from local green grass	1	19	2	21	3	1	4	25
May -23	PF	Goat and sheep rearing	1	15	4	19	5	1	6	25
June-23	PF	Maintenance of milch animals	1	16	3	19	4	2	6	25
July-23	PF	Feed management in scarcity periods	1	15	3	18	6	1	7	25
Aug-23	PF	Basic health programme and prevention measures	1	16	2	18	5	2	8	25
Sep- 23	PF	Artificial insemination.	1	19	3	22	3	0	3	25
	PF	Broiler production technique	1	17	3	20	4	1	5	25
Oct-23	PF	Fodder production in rabi season	1	16	4	20	5	0	8	25
Nov-23	PF	Improved poultry farming	1	15	3	18	5	2	7	25
Dec-23	PF	Balance ration for milch animals	1	16	4	20	5	0	8	25
HOME SCIENCE										
Jan. 2023	PF	Preparation of different type of pickles from locally available resources	1	4	16	20	2	3	5	25
Feb. 2023	PF	Preparation of tomato sauce and ketchup	1	5	15	20	1	4	5	25
March 2023	PF	Making of artificial flowers	1	3	17	20	0	5		25
April-2023	PF	Grain Storage loss minimization technique	1	5	15	20	1	4	5	25
May- 2023	PF	Formation & management of SGHs	1	4	16	20	2	3	5	25
June 2023	PF	Value addition technique	1	5	15	20	1	4	5	25
July 2023	PF	Rural craft work (Rakhi Making)	1	3	17	20	0	5		25

August2023	PF	Women and child care	1	5	15	20	1	4	5	25
Sept. 2023	PF	Designing and development for high nutrient efficiency diet	1	4	16	20	2	3	5	25
Oct. 2023	PF	Management of kitchen gardening & nutritional gardening	1	5	15	20	1	4	5	25
Nov. 2023	PF	Safe grain storage in rice and pulses	1	3	17	20	0	5		25
Dec. 2023	PF	Preparation of different type of milk products	1	5	15	20	1	4	5	25
AGRONOMY										
Jan-23	PF	Bio-fertilizers for higher fertilizer use efficiency.	1	18	2	20	6	4	10	30
Feb.-23	PF	Sprinkler Irrigation for higher water use efficiency.	1	20	2	22	6	2	8	30
April -23	PF	Know the PMFBY	2	18	4	22	6	2	8	30
	PF	Scientific methods of qualitative FYM preparation.	2	18	4	22	6	2	8	30
May -23	PF	Know the Soil Health Card for reducing cost of cultivation	2	18	4	22	6	2	8	30
June-23	PF	Integrated nutrient management in paddy.	1	18	4	22	6	2	8	30
	PF	SRI for soil and water conservation.	1	18	4	22	6	2	8	30
	PF	Integrated farming System for higher income.	2	18	4	22	6	2	8	30
	PF	Green manuring : crops , method and benefits	2	18	4	22	6	2	8	30
July-23	PF	Balance use of nutrients for higher fertilizer use efficiency	1	20	2	22	6	2	8	30
	PF	Water management in rice crop.	1	20	2	22	6	2	8	30
Aug.-23	PF	Importance of sulfur and Zinc in mustard productivity.	1	16	4	20	5	3	8	28
Sept.-23	PF	Drip irrigation for water saving and better tuber quality.	1	16	2	18	6	4	10	28
Oct.-23	PF	Seed production of wheat for self sufficiency.	2	18	4	22	6	2	8	30
	PF	Grow wheat on raised bed for saving water and sustainability.	1	20	2	22	6	2	8	30
	PF	Improved production technologies for Rabi pulses.	2	16	4	20	6	2	8	28
Nov.-23	PF	Integrated weed management in wheat.	1	18	4	22	6	2	8	30
Dec.-23	PF	Water management in wheat.	1	18	2	20	6	4	10	30
Soil Science										
14.01.2023	PF	INM Vegetable of crops	1	16	-	16	4	-	4	20
16.04.2023	PF	Importance of green Manuring of soil health	1	16	-	16	4	-	4	20
12.05.2023	PF	Importance of green manuring for soil health	1	10	6	16	2	2	4	20
16.05.2023	PF	Soil sampling and fertilizer recommendation for	1	16	-	16	4	-	4	20
10.06.2023	PF	Vermi compost production technique useful for soil health	1	16	-	16	4	-	4	20
21.06.2023	PF	Vermi compost production technique	1	10	6	16	2	2	4	20
07.07.2023	PF	Importance of nano fertilizer urea in paddy crop	1	10	6	16	2	2	4	20
12.09.2023	PF	Use on sulphure on boran in potato and mustard crops	1	10	6	16	2	2	4	20
16.09.2023	PF	Use of bio fertilizer in rabi crops	1	16	-	16	4	-	4	20
16.10.2023	PF	Balance fertilizer used in potato crop	1	16	-	16	4	-	4	20
07.11.2023	PF	use of sulphur in mustard crop	1	16	-	16	4	-	4	20
11.11.2023	PF	Importance of bio fertilizer in vegetable	1	10	6	16	2	2	4	20
17.12.2023	PF	Role and efficiency in rabi crop	1	10	6	16	2	2	4	20

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Crop Production											
NADEP	NADEP production	Production and use of NADEP	Aug.-2023	4	6	3	9	4	2	6	15
Vermicompost	Manure	Production technology and use of Vermicompost	Sept.-2023	4	6	3	9	4	2	6	15
wheat	Seed production	Seed production of wheat for income generation	Oct.-2023	4	6	3	9	4	2	6	15
Plant protection											
mushroom	Income generate	Dhingri mushroom production technology	Oct.-2023	4	8	-	8	2	-	2	10
mushroom	Income generate	Preparation of different products from mushroom	Dec-2023	4	8	-	8	2	-	2	10
Animal Husbandry											
poultry	Poultry management	Improved poultry farming for rural youth employment	Aug-2023	4	8	-	8	2	-	2	10
Feed	Feed management	Preparation of concentrate mixture	Nov-2023	4	8	-	8	2	-	2	10
Soil Science											
Vermi compost	Vermi compost	Vermi compost production technique	June 2023	3	8	-		1	1	2	10

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
On Campus										
Feb-2023	In-Service	Concepts of IFS	2	18	-	18	7	-	7	25
July.-2023	In-Service	Role and importance of micro nutrients in plant growth and production.	2	18	-	18	7	-	7	25
August-2023	In-Service	Correct method of FYM application	2	18	-	18	7	-	7	25
Oct.- 2023	In-Service	Integrated weed management in Rabi crops.	2	18	-	18	7	-	7	25
Plant protection										
Jan.2023	In-Service	Management of disease and insect of cereal crops	2	20	-	20	5	-	5	25
Oct.2023	In-Service	Integrated pest management in vegetables	2	20	-	20	5	-	5	25
Nov.2023	In-Service	Important disease and insect management of legume crops	2	20	-	20	5	-	5	25
Animal Husbandry										

July-2023	In-Service	Prevention measure against diseases	2	15	-	15	5	-	5	20
Dec-2023	In-Service	Improved Poultry production	2	15	-	15	5	-	5	20
Soil science										
Oct. 2023	In-Service	Role of pulses in crop rotation for soil health	1	17	-	17	8	-	8	25
Nov. 2023	In-Service	Production technique of pulses and oil crops	1	19	-	19	6	-	6	25

iv) Sponsored programme: As per requirement of sponsoring agencies.

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

Seven-point strategy to double farmers' income in District Hathras

1. Encourages organic farming as utilization of chemical could harm the health of the soil and environment, by adopting organic farming our production might be less but the income will be more by utilizing organic nutrients with less expenditure.
2. Encouraged the farmers to adopt Integrated Farming System (IFS) model to ensure better income and livelihood.
3. Encouraging the farmers of the district to adopt intensive farming.
4. Utilization of available water/ irrigation facilities in the village for growing high value low volume crops.
5. Soil test based nutrient management to reduce cost of cultivation,
6. Post-harvest crop losses reduce post harvest loss by value addition and food processing for higher income. Utilization of warehouse and cold chain for storage of vegetables and fruits for higher market price.
7. Promotion of ancillary activities like dairy farming, poultry farming, bee keeping, fisheries and nursery rising.

ANNUAL ACTION PLAN

KVK KASGANJ

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

KVK Kasganj

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, Mohanpura Distt.- Kasganj	-	-	kvkkasganj@gmail.com	-

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

Address	Telephone		E mail	Website
	Office	FAX		
Directorate of Extension, C.S. Azad University of Agriculture and Technology, Kanpur-208002	0512-2549106	0512-2549106	directcsau@gmail.com	www.csauk.ac.in

1.2.b. Status of KVK website : No

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 : No





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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. K.K. Singh	--	09415937398	kvkkasganj@gmail.com

1.4. Year of sanction (as per MOU) : February 2018

1.5. Staff Position (as on 30 September, 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Programme Coordinator	Dr. K. K. Singh	Senior Scientist and Head	Soil Science	37400-67000	161600	09-04-2008	Permanent	Gen	9415937398	kkkasganj@gmail.com	
2	*Subject Matter Specialist	Dr. Netrapal	Subject Matter Specialist	Agricultural Extension	79800-211500	95300	23-04-2008	Permanent	OBC	904532191	brijvikas@gmail.com	
3	Subject Matter Specialist	Vacant	Subject Matter Specialist	-	-	-	-	-	-	-	-	-
4	Subject Matter Specialist	Vacant	Subject Matter Specialist	-	-	-	-	-	-	-	-	-
5	Subject Matter Specialist	Vacant	Subject Matter Specialist	-	-	-	-	-	-	-	-	-
6	Subject Matter Specialist	Vacant	Subject Matter Specialist	-	-	-	-	-	-	-	-	-
7	Subject Matter Specialist	Vacant	Subject Matter Specialist	-	-	-	-	-	-	-	-	-
8	Computer Programmer	Vacant		-	-	-	-	-	-	-	-	-
9	Farm Manager	Vacant	Farm Manager	-	-	-	-	-	-	-	-	-
10	Program Assistant	Vacant	Program Assistant	-	-	-	-	-	-	-	-	-

11	Office Superintendent	Ajay Veer Singh	-	-	47600-151100	72100	16-01-1992	-	OBC	-	-	
12	Computer Operator/Jr. Stenographer	Vacant	Computer Operator/Jr. Stenographer	-	-	-	-	-	-	-	-	-
13	Jeep Driver	Shri Santosh	Jeep Driver	-	25500-81100	35300						
14	Tractor Driver	Mod. Ramzan	Tractor Driver	-	19900-63200	28400						
15	Supporting staff	Shri Avdhesh	Supporting staff	-	19900-63200	28400						
16	Supporting staff	Shri Ramprakash	Supporting staff		19900-63300	28400						

*Posted at KVK Aligarh working also for KVK Kasganj

1.6. Total land with KVK (in ha) : 9.2 h

S. No.		Area (ha)
1	Under Buildings (Under construction)	0.4
2.	Under Demonstration Units	00
3.	Under Crops	8.8
4.	Horticulture	00
5.	Pond	00
6.	Net House	00
7	Others (Specify)	00

1.7. Infrastructural Development:

A) Buildings : Nil

S. No.	Name 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	-	-	-	2019	550	Under construction	
2.	Farmers Hostel	-	-	-	-	-	-	-	Yes
3.	Staff Quarters (6)	-	-	-	-	-	-	-	Yes
4.	Demonstration Units (2)	-	-	-	-	-	-	-	Yes
5.	Fencing	-	-	-	-	-	-	-	Yes
6.	Rain Water harvesting system	-	-	-	-	-	-	-	Yes
7.	Threshing floor	-	-	-	-	-	-	-	Yes
8	Farm godown	-	-	-	-	-	-	-	Yes

B) Vehicles: Nil

Type of vehicle	Year purchase of	Cost (Rs.)	Total kms. Run	Present status	Required replacement
Four wheeler (Bolero)	2018-19	-	27000	Working	-

C) Equipments & AV aids : Nil

Name of the equipment	Year of purchase	Cost (Rs.)	Present status	Required replacement
-	-	-	-	-

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

Sl. No.		Date
1.	01	-

2. DETAILS OF DISTRICT

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

Sl. No	Farming system/enterprise
1	Crop production and Animal Husbandry
2	Crop production, Horticulture and Animal Husbandry

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
	South-Western Semi-Arid Plain Zone	The soils are alluvial in nature and affected by salts. Average annual rainfall is 662 mm and the temperature ranges from 4 ⁰ C to 47 ⁰ C. The average relative humidity ranges from 32 to 82%. Cropping intensity of the zone is 146 %. Pearl millet, maize, rice, wheat, rapeseed and mustard are the major field crops of the zone. Potato, vegetable pea, garlic, onion, and flowers are also cultivated.

b) Topography

S. No.	Agro ecological situation	Characteristics
1	AES-I	Salt affected soil, low soil fertility, tube-well and canal irrigation.
2	AES-II	Sandy loam, poor in soil fertility, canal & tube-well are the major irrigation source.
3	AES-III	Loam soils, low in fertility, poor drainage, tube well irrigation.
4	AES-IV	Clay loam soils, brackish ground water and canal water.

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Sandy soil	Poor in soil fertility	
2	Sandy loam soil	Low in fertility, well drained	

2.4. Area, Production and Productivity of major crops cultivated in the district (2017-18)*

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Paddy	17368	34554	23.75
2	Pearl millet	44654	90281	22.69
3	Maize	39785	83531	26.39
4	Pigeon pea	1426	998	7.59
5	Urd bean	1357	758	5.61
6	Moong bean	1155	641	4.83
7	Wheat	98009	375265	39.74
8	Barley	2608	9232	33.98
9	Til	816	160	2.95
10	Lentil	1241	1556	12.33
11	Mustard	8790	24781	21.11
12	Potato	4720	125001	315.66
13	Sugar Cane	7306	515840	742.64
14.	Groundnut	173	163	10.13

*Source: <http://updes.up.nic.in/spiderreports/agricultureReports.jsp>

2.5. Weather data (2019-20)

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

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

Category	Population	Production	Productivity
Cattle			
Crossbred	10081		
Exotic			
Indigenous	87768		
Buffalo	792690		
Sheep			
Crossbred	472		
Indigenous	6969		
Goats	184495		
Pigs			
Crossbred	544		
Indigenous	9744		
Rabbits			
Poultry			
Hens	78301		
Desi			
Category		Production (Q.)	Productivity
Fish (Reservoir)	169.25 (ha)	2850	

*Statistical report : <http://updes.up.nic.in/spiderreports/animalsReports.jsp>

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
Kasganj		Dukariya ka Nangla	Maize, Tomato, vegetable pea, wheat, mustard, pearl millet and paddy	<ul style="list-style-type: none"> Weed infestation Insect-pest infestation Use of grain as seeds Imbalance use of fertilizers Poor management practices of milch animals Poor Soil health 	<ul style="list-style-type: none"> Integrated Pest Management Integrated Nutrient Management Quality seed production Soil Health Proper Management Practices of Animal Productivity enhancement of Milch Animals
		Tikampura			
		Athaiya			
		Harnaampur			
		Nangla Peepal			

2.8 Priority thrust areas

Sl. No.	Thrust area
1.	Integrated Pest Management
2.	Integrated Nutrient Management
3.	Quality seed production
4.	Promotion of Low cost Improved technology.
5.	Soil Health
6.	Value addition in Fruit and Vegetable Crops
7.	Proper Management Practices of Animal
8.	Animal Nutrition
9.	Productivity enhancement of Milch Animals

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
03	206	70	174

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
57	1120	126	5605

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
200	10000	-	-

Quality seed distribution (q)	No. of saplings distribution (Nos.)	No. of fingerlings distribution (Nos.)	No. of livestock & poultry strains distribution (Nos.)
(10)	(11)	(12)	(13)
-	-	-	-

B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions						
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training extension personnel if any	of for if	Extension activities	Supply of seeds, planting materials etc.
1	INM	Paddy, wheat, mustard, potato, Sesame	Imbalance use of fertilizers	-	Application of NPK on the basis of soil testing Micronutrients in mustard, Sesame and wheat and paddy,	Various trainings on INM	Trainings on INM	on	Gosthies Field days	Seeds and micronutrients
2	Quality seed production	wheat	Use of unidentified varieties	-	-	Trainings on seed production	-	-	-	-
3	Seed replacement	Wheat, mustard, and paddy	Use of old and unidentified varieties	Assessment of new variety of paddy and wheat	Varietal demonstrations on wheat, mustard and paddy	-	-	-	Gosthies, Field days	seeds
4	Integrated Crop Management	Mustards, wheat, Vegetable pea, Ground nut and moong	Poor cultivation practices	-	ICM in mustard, wheat, and paddy, moong and sesame	Trainings on cultivation practices	-	-	Gosthies, exposure visits	-
5	Integrated weed management	wheat	High weed infestation	Assessment of herbicide suitable for summer ground nut	-	Weed management	-	-	Gosthies, field visit	-

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	01	-	-	-	-	-	-	-	-	01
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	01	-	-	-	-	-	-	-	01
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	01	01	-	-	-	-	-	-	-	02

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								
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)

1. Crop Production

OFT-01

1. **Crop/Enterprise:** Wheat
2. **Title of on-farm trial:** Assessment of high yielding variety of wheat
3. **Problem diagnosed:** Low yield of wheat due use of old variety
4. **Farming situation -** Irrigated
5. **Production system and thematic area:** Maize-Wheat, Rice-wheat
6. **Farmers' Practices:** HD-2967
7. **Details of technologies selected for assessment/refinement:**
 - T₁: Farmers practice (Use of HD-2967 Variety of wheat)
 - T₂: Karan Vandana (DBW 187)
8. **Source of technology:** ICAR-IIWBR, Karnal
9. **No. of farmers:** 03
10. **Critical input:** Seed
11. **Performance indicators**
 - i. **Technical**
 - No of tillers per plant
 - Yield (qtl/ha)
 - ii. **Economic**
 - Net return (Rs/ha)
 - BC ratio
 - iii. **Social**
 - Acceptability of the technology and farmers reactions

OFT-02

1. **Crop/Enterprise:** Ground nut
2. **Title of on-farm trial:** Assessment of herbicide suitable for ground nut
3. **Problem diagnosed:** Low yield of ground nut due to heavy weed infestation
4. **Farming situation -** Irrigated
5. **Production system and thematic area:** Paddy- vegetable pea- ground nut
6. **Farmers' Practices:** No use of herbicide
7. **Details of technologies selected for assessment/refinement:**
 - T₁: Farmers practice : No use of weedicide
 - T₂: Use of Oxflurofen 23.5 % EC @ 750 ml/ ha pre emergent followed by use of imazethapyr 10% SL @ 450 ml/ha post emergence at 4 to 6 leaf stage
8. **Source of technology:** Available literature
9. **No. of farmers:** 03
10. **Critical input:** Herbicide
11. **Performance indicators**
 - i. **Technical**
 1. Weed count per square meter
 2. Yield qtl/ha
 - ii. **Economic**

- Net return (Rs/ha)
BC ratio
- iii. **Social**
Acceptability of the technology and farmers reactions

3. Agricultural Extension

OFT- 03

1. **Crop/Enterprise:** ICT Tools
2. **Title of on-farm trial:** Development of location specific multimedia message modules for need based information sharing with farmers through WhatsApp
3. **Problem diagnosed:** Sharing of information with farmers without considering their information needs and preferences for message format
4. **Farming situation** – Irrigated
5. **Production system and thematic area:** Rice/ wheat/maize/ pearl millets/ mustard
6. **Farmers' Practices:** Passive receiver of the information sent by different sources
7. **Details of technologies selected for assessment/refinement:**
 - T₁: Information sharing without considering farmers' information needs including forwards coming from different sources
 - T₂: Need based information sharing in text format
 - T₃: Need based information sharing in audio format
 - T₄: Need based information sharing in audio-visual format
8. **Source of technology:** Available literature
9. **No. of farmers:** 200
10. **Critical input:(Prerequisites) :** Smart phone with Internet connection
11. **Performance indicators**
Gain in knowledge, participation level of farmers and cost per unit information gain

1.2 Frontline Demonstrations

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

S.N.	Crop	Variety	Technology for demonstration	Area (ha)	No. of farmers/ Demon.
1.	Sesame (Til)	Variety RT 351 / GT 4	Seed + Sulfur @25 kg/ha + Sagarika	10	25
2.	Green gram (Moong)	IPM 205-7 (Virat)	Seed + seed treatment with consortia + Sulfur @ 25 kg/ha	10	25
3.	Paddy	PB 1718	ICM	05	12
4.	Vegetable Pea	Azad Pea-3	Seed treatment with trichoderma viridie@ 5gm/kg seed	10	25
5.	Wheat timely sown	HD 3086	ICM	10	25
6.	Wheat Late sown	Unnat Halna	ICM	10	25
7.	Mustard	RH-749 / RH 725	Seed + Sulfur@ 25 kg/ha + micronutrients / Sagarika	10	25
Total				65	162

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
1.	Sesame (Til)	Gujrat Til 4 /RT 351	Nutrient management	ICM	Seed + Sulphur @ 25 kg/ha + micronutrients/ Sagarika	Kharif 2023	10	25	Yield and profit

2.	Green gram (Moong)	IPM 205-7 (Virat)	ICM	ICM	Seed + Sulphur @ 25 kg/ha micronutrients/ sagarika	Kharif 2023	10	25	Yield and profit
3.	Paddy	PB 1718	Varietal Evaluation	Variety	Seed	Kharif 2023	05	12	Yield and profit
4.	Vegetable Pea	Azad Pea-3	ICM	Seed treatment with trichoderma viridie@ 5gm/kg seed	Trichoderma viridie	Rabi 2023-24	10	25	Yield and profit
5.	Wheat timely sown	HD 3086	ICM	Variety	Seed	Rabi 2023-24	10	25	Yield and profit
6.	Wheat Late sown	Unnat Halna	ICM	Variety	Seed	Rabi 2023-24	10	25	Yield and profit
7.	Mustard	RH 749/ RH-725	ICM	variety + Sulfur + micronutrients / Sagarika	Seed, Sulphur, micronutrients/ sagarika	Rabi 2023--24	10	25	Yield and profit
8.	Barseem	Vardan	ICM	ICM	Seed	Rabi 2023-24	0.5	10	Yield
Total							65	162	

Sponsored Demonstration

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

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	10	January, Feb, March	200
2	Farmers Training	10	Jun, Feb, Oct, March	70
3	Media coverage	5		
4	Training for extension functionaries	03	Jun, Oct, March	15

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season year	and No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators

(ii) Livestock Enterprises

S. No.	Name of activity	Objective	Adopted technology	Type of animals	Breed	No. of animals	Critical input	Cost (Rs.)

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

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	01	15	-	15	05	-	05	20
Resource Conservation Technologies								
Cropping Systems	01	15	-	15	05	-	05	20
Crop Diversification								
Integrated Farming								
Water management	01	15	-	15	05	-	05	20
Seed production	03	45	-	45	15	-	15	60
Nursery management	01	15	-	15	05	-	05	20
Integrated Crop Management	04	60	-	60	20	-	20	80
Fodder production								
Production of organic inputs	01	15	-	15	05	-	05	20
Total	12	180	-	180	60	-	60	240
III Soil Health and Fertility Management								
Soil fertility management	01	15	-	15	05	-	05	20
Soil and Water Conservation	01	15	-	15	05	-	05	20
Integrated Nutrient Management	01	15	-	15	05	-	05	20
Production and use of organic inputs	01	15	-	15	05	-	05	20
Management of Problematic soils	01	15	-	15	05	-	05	20
Micro nutrient deficiency in crops	01	15	-	15	05	-	05	20
Nutrient Use Efficiency	01	15	-	15	05	-	05	20
Soil and Water Testing								
Total	07	105	-	105	35	-	35	140
IV Livestock Production and Management								
Dairy Management	02	40	-	40	-	-	-	40
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management	05	100	-	100	-	-	-	100
Feed management	01	20	-	20	-	-	-	20
Production of quality animal products	01	20	-	20	-	-	-	20
Total	09	180	-	180	-	-	-	180
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital	01	15	-	15	05	-	05	20
Entrepreneurial development of farmers/youths	01	15	-	15	05	-	05	20
WTO and IPR issues								
Others (Pl. Specify)- Utilization of information technology for information access	02	30	-	30	10	-	10	40
Total	04	60	-	60	20	-	20	80
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)-								
GRAND TOTAL	23	345	-	345	115	-	115	460
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming	01	10	-	10	05	-	05	15
Seed production	02	15	-	15	05	-	05	20
Sheep and goat rearing	01	7	-	7	-	-	-	7
Quail farming								
Piggery								
Rabbit farming								

Poultry production	01	05	05			05
TOTAL	05	37	37	10	10	47
(C) Extension Personnel						
Integrated Nutrient management	01	15	15	05	05	20
Group Dynamics and farmers organization	01	15	15	05	05	20
Information networking among farmers	01	15	15	05	05	20
Capacity building for ICT application	01	15	15	05	05	20
Management in farm animals	02	30	30	10	10	60
Livestock feed and fodder production	01	15	15	05	05	20
Production and use of organic inputs	01	15	15	05	05	20
Any other (Pl. Specify) – Market Led Extension	01	15	15	05	05	20
TOTAL	09	135	135	45	45	180

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	01	15	-	15	05	-	05	20
Resource Conservation Technologies								
Cropping Systems	01	15	-	15	05	-	05	20
Seed production	01	15	-	15	05	-	05	20
Fodder production	01	15	-	15	05	-	05	20
Total	04	60	-	60	20	-	20	80
III Soil Health and Fertility Management								
Soil fertility management	01	15	-	15	05	-	05	20
Soil and Water Conservation								
Integrated Nutrient Management	01	15	-	15	05	-	05	20
Production and use of organic inputs	01	15	-	15	05	-	05	20
Management of Problematic soils	01	15	-	15	05	-	05	20
Micro nutrient deficiency in crops	01	15	-	15	05	-	05	20
Nutrient Use Efficiency	-	-	-	-	-	-	-	-
Soil and Water Testing	01	15	-	15	05	-	05	20
Total	06	90	-	90	30	-	30	120
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital	01	15	-	15	05	-	05	20
Entrepreneurial development of farmers/youths	01	15	-	15	05	-	05	20
WTO and IPR issues								
Others (Pl. Specify)- Utilization of information technology for information access								
Total	02	30	-	30	10	-	10	40
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)-								
GRAND TOTAL	12	180		180	60		60	240
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management	01	15		15	05		05	20
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization	01	15		15	05		05	20
Information networking among farmers	01	15		15	05		05	20
Capacity building for ICT application	01	15		15	05		05	20
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals	02	30		30	10		10	60
Livestock feed and fodder production	01	15		15	05		05	20

Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs	01	15		15	05		05	20
Gender mainstreaming through SHGs								
Any other (Pl. Specify) – Market Led Extension	01	15		15	05		05	20
TOTAL	09	135		135	45		45	180

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants			SC/ST			Grand Total
		Others	Male	Female	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	30	0	30	10	0	10	40
Resource Conservation Technologies	0	0	0	0	0	0	0	0
Cropping Systems	2	30	0	30	10	0	10	40
Crop Diversification	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0
Water management	1	15	0	15	5	0	5	20
Seed production	4	60	0	60	20	0	20	80
Nursery management	1	15	0	15	5	0	5	20
Integrated Crop Management	4	60	0	60	20	0	20	80
Fodder production	1	15	0	15	5	0	5	20
Production of organic inputs	1	15	0	15	5	0	5	20
TOTAL	16	240	0	240	80	0	80	320
III Soil Health and Fertility Management								
Soil fertility management	2	30	0	30	10	0	10	40
Soil and Water Conservation	1	15	0	15	5	0	5	20
Integrated Nutrient Management	2	30	0	30	10	0	10	40
Production and use of organic inputs	2	30	0	30	10	0	10	40
Management of Problematic soils	2	30	0	30	10	0	10	40
Micro nutrient deficiency in crops	2	30	0	30	10	0	10	40
Nutrient Use Efficiency	1	15	0	15	5	0	5	20
Soil and Water Testing	1	15	0	15	5	0	5	20
TOTAL	13	195	0	195	65	0	65	260
IV Livestock Production and Management								
Dairy Management	6	90	-	90	30	-	30	120
Feed management	4	60	-	60	20	-	20	80
Production of quality animal products								
TOTAL	10	150	-	150	50	-	50	200
X Capacity Building and Group Dynamics								
Leadership development	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Mobilization of social capital	2	30	0	30	10	0	10	40
Entrepreneurial development of farmers/youths	2	30	0	30	10	0	10	40
WTO and IPR issues	0	0	0	0	0	0	0	0
Others (Pl. Specify)- Utilization of information technology for information access	2	30	0	30	10	0	10	40
TOTAL	6	90	0	90	30	0	30	120
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
Sponsored training								
TOTAL								
GRAND TOTAL	35	525	0	525	175	0	175	700
(B) RURAL YOUTH								
Mushroom Production	0	0	0	0	0	0	0	0
Bee-keeping	0	0	0	0	0	0	0	0
Integrated farming	01	10		10	05		05	15
Seed production	02	15	-	15	05	-	05	20
Sheep and goat rearing	01	7		7				7
Poultry production	01	05		05				05
TOTAL	05	37		37	10		10	47
(C) Extension Personnel								

Productivity enhancement in field crops	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	01	15		15	05		05	20	
Group Dynamics and farmers organization	01	15		15	05		05	20	
Information networking among farmers	01	15		15	05		05	20	
Capacity building for ICT application	01	15		15	05		05	20	
Management in farm animals	02	30		30	10		10	60	
Livestock feed and fodder production	01	15		15	05		05	20	
Production and use of organic inputs	01	15		15	05		05	20	
Any other (Pl. Specify) Market Led Extension	01	15		15	05		05	20	
Total	18	270	0	270	90	0	90	360	

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	10	180	20	200	49	01	50	229	21	250
Kisan Mela	01	800	70	870	30	-	30	830	70	900
Kisan Gosthi	10	1000	50	1050	30	-	30	1030	50	1080
Group meetings	-									
Lectures delivered as resource persons	05	75	-	75	05	-	05	80	-	80
Newspaper coverage	08									
Radio talks	03	-	-	-	-	-	-	-	-	-
TV talks	01	-	-	-	-	-	-	-	-	-
Popular articles	02	-	-	-	-	-	-	-	-	-
Extension Literature	04	-	-	-	-	-	-	-	-	-
Advisory Services	12	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	60	480	-	480	-	-	-	480	-	480
Farmers visit to KVK	500	400	100	-	-	-	-	500	-	500
Diagnostic visits	02	30	-	30	-	-	-	30	-	30
Soil health Camp	02	200	-	-	10	-	-	210		210
Soil test campaigns	02	200	-	-	10	-	-	210		210
Celebration of important days (specify)	02	30	-	30	-	-	-	30	-	30
Pre Kharif workshop	01	800	70	870	30	-	30	830	70	900
Pre Rabi workshop	01	800	70	870	30	-	30	830	70	900
Total	126	5035	390	5425	180		180	5215	390	5605

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)	Distributed to the farmers (Nos.)
	CEREALS		100	
	OILSEEDS		50	
	PULSES		50	
	VEGETABLES			
	OTHERS (Specify)		200	

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Distributed to the farmers (Nos.)
	FRUITS			
	SPICES			

VEGETABLES			1000
		Total	1000

BIO-PRODUCTS

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1				
2				

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** : 03
 Date of start : Kharif 2022
 Number of copies to be published :1500

(B) Literature developed/published

S.No.	Topic	No.	Name of Journal/literature
1	Research paper by each scientist	02	
2	Technical reports	02	
3	News letters	01	
4	Training manual all discipline	01	
5	Popular article	01	
6	Extension literature	08	
	Total	15	

(C) Details of Electronic Media to be Produced

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

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

- Brief introduction
- Interventions
- Output
- Outcomes
- Impact
 - Social economic
 - Bio-Physical
- Good Action Photographs

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

- Observation
- Focused Group Discussion
- Interview

Rural Youth

- Interview
- Group Discussion
-
-

In-service personnel

- Group discussion
- Interview

c) Critical Incident Technique

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT :

- i) PRA
- ii) FGDs
- iii) Field level observations
- iv) In-depth interviews
- v) Survey

For FLD :

- i) Same as for OFTs

3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year) : Tikampura, Peepal Nagala, Athaiya from block Kasganj
- ii. No. of farm families selected per village: 20
- iii. No. of survey/PRA conducted: one in each village : 02
- iv. No. of technologies taken to the adopted villages: 05
- v. Name of the technologies found suitable by the farmers of the adopted villages: Unnat Halna variety of wheat, GT 4 and RT 346 varieties of sesame, RH 749 and 725 varieties of mustard and nutrient management in all the crops
- 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: Nil

1. Year of establishment :N.A.

2. List of equipment's purchase with amount : Nil

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1.	L.G Fridge Double Door with stabilizer (Not Working)		
2.	Jeldhal Digestion set(One Not Working)		
3.	Digital Flame Photometer		
4.	Spectrophotometer		
5.	PH meter		
6.	Physical Balance		
7.	Electric Oven		
8.	Mixer Grinder		
9.	Conductivity meter		
10.	Analytical Balance		
11.	Shaker(One Not Working)		
12.	Hot Plate		
	Total		

3. Targets of samples for analysis: N.A. New KVK

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

S.No.	Name of organization	Nature of Linkage
1.	Department of Agriculture	Training, Kisan gosthies
2.	Department of Horticulture	Participation in meeting, farmers fair
3.	Department of animal husbandry	Participation in meeting, organizing animal health camp, availability of vaccines.
4.	Regional rural banks	Joint implementation of programmes
5.	Department of soil and water conservation	Training programme, advisory services.
6.	IIPR	Procurement of seed and bio-fertilizer, advisory services.
7.	Department of fisheries	Participation in meeting and gosthi
8.	Department of forestry	Participation in meeting, Training. Procurement of plants.
9.	Women & child development department	Training, Participation in farmers fair & SAC,
10.	IFFCO	Joint programme, training, demonstration

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

S. No.	Programme	Nature of linkage
1	Gosthies, Farmers' fairs	Technical support
2		

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1		
2		No

4.4 Nature of linkage with National Fisheries Development Board

S. No.	programmes	Nature of linkage
1		
2		NO

5. Utilization of hostel facilities :

S. No.	Programmes	No. of days
1		
2		NO, hostel is not available
3		
4		
5		
	Total	

6. Convergence with departments :

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

S. No.	Name of Programme	Main Institution (IARI, DBT, DST, UPCAR, etc.)	Duration	Budget (in lakh)
1	Gosthies, Farmers' fairs and supply of inputs	Department of Agriculture, Horticulture and IFFCO		

7.2. Brief achievements of above collaborative programmes : Nil

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: Nil

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		

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

Demonstrations of Unnat Halna and DBW 107 varieties have created demand for these varieties in nearby villages of the KVK.

Farmers have liked very much Gugrat Til 4 variety of sesame

Farmers have liked need based timely information dissemination through wall magazine

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	Thematic Area	No. of Courses	No. of Participants						Grand Total
				Others			SC/ST			
				Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women										
I Crop Production										
January, 2022	PF	Role of Boron in Summer Groundnut	01	15	-	15	05	-	05	20
February, 2022	PF	Intercropping of Moong with Sugarcane	01	20	-	20	05	-	05	25
March, 2022	PF	technique to grow cultivation of Moong after harvesting of Wheat	01	20	-	20	05	-	05	25
April, 2022	PF	Soil & Water Conservation in fallow field after harvesting of Moong	01	20	-	20	05	-	05	25
May, 2022	PF	INM in Hybrid Maize	01	20	-	20	05	-	05	25
June, 2022	PF	IWNM in Summer Pulses	01	20	-	20	05	-	05	25
July, 2022	PF	INM in Scented Paddy	01	20	-	20	05	-	05	25
August, 2022	PF	Integrated Nutrient Management in Paddy	01	20	-	20	05	-	05	25
Sept., 2022	PF	Use of Sulphur in Mustard	01	20	-	20	05	-	05	25
October, 2022	PF	Role of Biofertilizers in Rabi pulses	01	20	-	20	05	-	05	25
November, 2022	PF	IWNM in Wheat	01	20	-	20	05	-	05	25
December, 2022	PF	Irrigation management in Late Sown Wheat	01	20	-	20	05	-	05	25
II Horticulture										
III Soil Health and Fertility Management										
IV Plant Protection										
V Agricultural Extension										
March, 2022	PF	Utilization of information technology for information access	01	15	-	15	05	-	05	20
July, 2022	PF	Identification and utilization of sources of agricultural information	01	15	-	15	05	-	05	20
Sep., 2022	PF	Formation of farmers associates for profitable marketing of agriculture products	01	15	-	15	05	-	05	20
December, 2022	PF	Utilization of Information technology for marketing of agricultural produces	01	15	-	15	05	-	05	20
	PF	Any other (Pl. Specify)								
VI Animal Husbandry										
January, 2022	PF/FW	Preparation of balanced ration for milch animals	1	15	-	15	05	-	05	20
February, 2022	PF/FW	Domestic treatment of animals	1	15	-	15	05	-	05	20
May, 2022	PF/FW	HS Vaccination to prevent contagious animal diseases	1	15	-	15	05	-	05	20
June, 2022	PF/FW	Control of F.M.D. in farm animals	1	15	-	15	05	-	05	20
July, 2022	PF/FW	Care and management of animals during rainy season	1	15	-	15	05	-	05	20

August, 2022	PF/FW	Animal parasites & their control	1	15	-	15	05	-	05	20
September, 2022	PF/FW	Care and management of newly born calf	1	15	-	15	05	-	05	20
October, 2022	PF/FW	Deworming in calves	1	15	-	15	05	-	05	20
November, 2022	PF/FW	Clean milk production techniques	1	15	-	15	05	-	05	20
TOTAL			25	450	-	450	125	-	125	575

OFF Campus

Date	Clientele	Training title*	No. of Courses	No. of Participants						Grand Total
				Others			SC/ST			
				Male	Female	Total	Male	Female	Total	
I Crop Production										
January, 2022	PF	Weed Management in Zaid Pulses	01	15	-	15	05	-	05	20
February, 2022	PF	Seed production of Summer Groundnut	01	15	-	15	05	-	05	20
April, 2022	PF	Intercropping in Spring sugarcane with Moong	01	20	-	20	05	-	05	25
May, 2022	PF	Soil & Water Conservation	01	15	-	15	05	-	05	20
June, 2022	PF	Management of Paddy Nursery	01	15	-	15	05	-	05	20
July, 2022	PF	INM in Summer Pulses	01	15	-	15	05	-	05	20
September, 2022	PF	Use of Organic input in Mustard	01	15	-	15	05	-	05	20
October, 2022	PF	Seed treatment of Rabi Pulses with Trichoderma, Pesticide & Rhizobium Culture	01	15	-	15	05	-	05	20
November, 2022	PF	IWNM in Wheat	01	15	-	15	05	-	05	20
II Horticulture										
III Soil Health and Fertility Management										
IV Plant Protection										
V Agril. Extension										
June, 2022		Utilization of Information technology for marketing of agricultural produces	01	15	-	15	05	-	05	20
December, 2022		Identification and utilization of sources of agricultural information	01	15	-	15	05	-	05	20
VI Animal Husbandry										
January, 2022	PF/FW	Importance of Feeding mineral mixture in farm animals	01	15	-	15	05	-	05	20
March 2022	PF/FW	Application of complete dewormer in cattle	01	15	-	15	05	-	05	20
May, 2022	PF/FW	Care & management of farm animals during summer	01	15	-	15	05	-	05	20
May, 2022	PF/FW	Urea treatment of wheat straw .	01	15	-	15	05	-	05	20
June, 2022	PF/FW	Importance of vaccination in farm animal	01	15	-	15	05	-	05	20

July, 2022	PF/FW	Management of farm animals during Rainy season.	01	15	-	15	05	-	05	20
September 2022	PF/FW	Importance of mineral mixture in animals feeding.	01	15	-	15	05	-	05	20
October, 2022	PF/FW	Importance of Green fodder in farm animals	01	15	-	15	05	-	05	20
November, 2022	PF/FW	Control of animal parasites	01	15	-	15	05	-	05	20
December, 2022	PF/FW	Domestic treatments of farm animals	01	15	-	15	05	-	05	20
TOTAL			21	320	-	320	105	-	105	425

Vocational training programmes for Rural Youth

Crop Enterprise /	Identified Thrust Area	Training title*	Month	Duration (days)	No. of SC/ST participants						G. Total
					M	F	T	M	F	T	
Pulses	Summer Pulses	Seed production of Summer Pulses	April 2022	04	15	-	15	05	-	05	20
Paddy	Seed Production	Seed production of Scented Paddy & Basmati Paddy	June 2022	04	15	-	15	05	-	05	20
Wheat	Seed production	Seed production of Wheat	October 2022	04	15	-	15	05	-	05	20
Fertilizer	Production	Production of Vermicompost	December 2022	04	15	-	15	05	-	05	20
TOTAL				16	60	60	20	20	80		

Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
January, 2022	EF	Utilization of ICT for Agricultural Information Dissemination	01	15	15	05	05	20		
January, 2022	EF	Crop Production in <i>Zaid</i>	01	15	15	05	05	20		
February, 2022	EF	Production and use of organic inputs	01	15	15	05	05	20		
February, 2022	EF	Green fodder production for summer	01	15	15	05	05	20		
April 2022	EF	Soil & Water Conservation	01	15	15	05	05	20		
June 2022	EF	Management of Paddy	01	15	15	05	05	20		
August, 2022	EF	Production and Utilization of audio-visual aids	01	15	15	05	05	20		
September, 2022	EF	Production of organic inputs & role of bio fertilizer	01	15	15	05	05	20		
October, 2022	EF	Seed production of newly high yielding varieties of Wheat	01	15	15	05	05	20		
November, 2022	EF	Integrated Nutrients Management in Rabi Cereals	01	15	15	05	05	20		
November, 2022	EF	Integrated Nutrient management wheat	01	15	15	05	05	20		
November, 2022	EF	Identification and Utilization of Rural Leadership for Agricultural Extension	01	15	15	05	05	20		
TOTAL				12	180	180	60	60	240	

ANNUAL ACTION PLAN

KVK, AURAIYA

(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
Krishi Vigyan Kendra, Village & Post – Gwari Block -Achhalda, District Auraiya (U.P.) 206241	Office	FAX	kvkauraiya1@gmail.com	auraiya.kvk4.in
		FAX		
		-		

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

Address	Telephone		E mail	Website
	Office	FAX		
Directorate of Extension Chandra Shekhar Azad University of Agriculture & Technology, Kanpur			dirextcsau@gmail.com	

1.2.b. Status of KVK website : Running

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 : NA



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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Anant Kumar		9760940402	kvkauraiya1@gmail.com

1.4. Year of sanction: 2007

1.5. Staff Position (as on 01 September 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary (SC/ST/OBC / Others)	Mobile No.	Email id	Please attach recent photograph	
1.	Senior Scientist & Head	Dr. Anant Kumar	Senior Scientist & Head	Agri. Extension	37,600 - 39100	9000	47800	03.12.2018	Permanent	General	9410852089	dr_anantkumar@rediffmail.com	
2.	SMS	Sh. Brij Vikash	SMS (Animal Science)	Animal Science	15,600 - 39100	5400	29110	24.03.2008	Permanent	General	9045432191	brijvikas@gmail.com	
3.	SMS	Dr. Indra Pal Singh	SMS (Horticulture)	Horticulture	15,600 - 39100	5400	29110	01.10.2008	Permanent	General	9412185577	ipsingh19@rediffmail.com	
4.	SMS	SMS	Vacant		15,600 - 39100	5400	-	-	-	-	-	-	-
5.	SMS	Dr. Rashmee Yadav	SMS (Home Science)	Home Science	15,600 - 39100	5400	21630	21.12.2018	Permanent	General	9473564329	rsm000786@gmail.com	
6.	SMS	SMS	Vacant		15,600 - 39100	5400	-	-	-	-	-	-	-
7.	SMS	SMS	Vacant		15,600 - 39100	5400	-	-	-	-	-	-	-
8.	Prg-Asstt	Sh. Upendra Kumar Singh	Programme Assistant (Computer)	Computer	9300 - 34800	4200	18740	15.03.2008	Permanent	General	9453884628	upendrakvk@gmail.com	
9.	Prg-Asstt	Vacant	Programme Assistant (Farm Mana		9300 - 34800	4200							

			ger)										
10.	Prg-Asstt	Sh. Ankur Jha	Programme Assistant (Lab Technician) / T-4	Plant Protection	9300 – 34800	4200	15210	22/09/2015	Permanent	General	09889442991	Jhaankur11@gmail.com	
11.	Admin	Sh. Jaswant Singh	Office Superintendent-cum-Accountant	Account	9300 – 34800	4200	18740	10.03.2008	Permanent	General	9897915332	js4singh@gmail.com	
12.	Admin	Sh. Vivek Kumar Sengar	Jr. Stenographer		5200 – 20200	2400	10210	6.12.2018	Permanent	General	8059719703	vivekkv041218@gmail.com	
13.	Aux	Sh. Narendra Kumar Pal	Driver (Tractor)		5200 – 20200	2000	11740	17.03.2008	Permanent	General	9412853073	nkpalkvk@gmail.com	
14.	Aux	Sh. Amrit Pal	Driver (Jeep)		5,200 – 20,200	2000	8720	6.12.2018	Permanent	General	9536696715	Amritpalkvk@gmail.com	
15.	Supp	Sh. Kuldeep Singh	Supporting staff		5200 – 20200	1800	9740	14.03.2008	Permanent	H.C/General	8954038477	ksyadav1976@gmail.com	
16.	Supp	Vacant	Supporting staff		-	-	-						

1.6. Total land with KVK (in ha) : 20.67 ha

S. No.	Item	Area (ha)
1.	Under Buildings	
2.	Under Demonstration Units	
3.	Under Crops	20.679
4.	Horticulture	
5.	Pond	
6.	Others if any	

-

1.7. Infrastructural Development:

A) Buildings -NA

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	-	-	-	-	-	-	-
2.	Farmers Hostel	-	-	-	-	-	-	-
3.	Staff Quarters (6)	-	-	-	-	-	-	-
4.	Demonstration Units (2)	-	-	-	-	-	-	-
5.	Fencing	-	-	-	-	-	-	-
6.	Rain Water harvesting system	-	-	-	-	-	-	-
7.	Threshing floor	-	-	-	-	-	-	-
8.	Farm godown	-	-	-	-	-	-	-
	Other	-	-	-	-	-	-	-
9.	IFS model	-	-	-	-	-	-	-
10.		-	-	-	-	-	-	-

B) Vehicles-NA

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status

C) Equipments& AV aids-NA

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Trolley			
Computer with Accessories			
Fax Machine			
Generator			
Digital Camera (Sony)			
Computer 1			

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

Sl.No.	Date
1. Scientific Advisory Committee	Date will be decided by ICAR- ATARI, Kanpur

2. DETAILS OF DISTRICT**General census and Agricultural and allied census**

Auraiya district situated in central Uttar Pradesh. The creation took place on Sept. 17, 1997. The District constituted with 3 Tehsil (Auraiya, Ajimal&Bidhuna) and 7 Blocks (Arwakatra, Bidhuna, Achhalda, Sahar, Ajitmal, Bhagya Nagar and Auraiya). KVK established in June 2007 at Parwaha village in Bhagya Nagar block of Auraiya District.

District Auraiya is located in the central plain zone (zone V) of Uttar Pradesh on Kanpur – Etawah Highway (NH-2). It is bounded on the north by the district of Kannauj; western border adjoins Tehsil - Bharthana of Etawah district and the Gwalior. The east frontier marches with the district of Kanpur Dehat and along the south lie Jalaun. The district lies between 26.21⁰ to 27.01⁰ north latitude and 78.45⁰ to 79.45⁰ east longitude and forms a part of the Kanpur division. The total areas of the District Auraiya is 2054 km² and support the population of 1.179 million people as well more than 6.80 lakhs of the livestock. The soils of District are clay, loam, sandy loam and sandy. The soils broadly affected by salinity, sodicity and ravines. In low laying beds of clay the water is collect during the rains and rice crop can be grown easily in these areas. The average annual rainfall in district is about 792 mm. The temperature varies from 3⁰C to 46⁰C.

Based on SREP report, groups approach survey, soil, topography extent & feasibility of irrigation and cropping pattern, the District can be divided in to 4 agro ecological situations.

S.No.	Name of AES	Name of Representative Village	Name of Block Covered
1.	AES – I	Madhapur	i. Auraiya ii. Ajitmal
2.	AES – II	Naglapathak	i. Bhagyanagar ii. Sahar
3.	AES – III	Udaipur	i. Arwakatra ii. Bidhuna
4.	AES – IV	Aunto	i. Achhalda

Important features of District farming system.

(i) Agriculture is a prime sector of District. The main crops of district are Paddy, wheat, Bajra, pulses crop and mustard in all AES.

(ii) In the district horticulture is also important feature, in this enterprise mango, aonla, guava, papaya, potato tomato, garlic & petha are important crops

(iii) Cow, buffaloes and goat are main milch of district.

Profile of the District

S. No.	Particulars	Details
1.	Geographical area (km ²)	2016
2.	Population as per 2011 census Male Female	13,79,545 7,40,040 6,39,505
3.	Population Density (km ²)	684
4.	Sex Ratio (2011)	856
5.	Decades population growth rate	16.91
6.	Literacy rate (%) Male Female	78.95 86.11 70.61
7.	No of Tehsil	03
8.	No. of Developmental blocks	07
9.	No. of Nayay Panchayats	75
10.	No. of Gram Panchayats	441
11.	No. of village No. of habitant villages No. of inhabitant villages	841 776 65
12.	No. of Veterinary hospitals	12
13.	No. of Artificial insemination centres	21
14.	No. of primary health centres	06
15.	Agriculture Net cultivated area (ha)	1,41,218

	Area sown more than once (ha)	76,349
	Net irrigated area (ha)	1,10,275
16.	Agriculture production (mt.) (2005-06)	21699.96
	Food grain (mt.)	5676.5
	Sugarcane (mt.)	1739.5
	Oilseeds (mt.)	11731.12
	Potato (mt.)	84641
17.	Weather	
	Annual Rainfall (mm)	819.00
	Temperature (°C)	
	Minimum	2.2
	Maximum	44.4
18.	Average size of land holding (ha)	0.84
19.	Cropping intensity (%)	164

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

S. No	Farming system/enterprise
1	Agriculture is a prime sector of District. The main crops of district are Paddy, wheat, Bajra, pulses crop and mustard in all AES.
2	In the district horticulture is also important feature, in this enterprise mango, aonla, guava, papaya, potato tomato, garlic & petha are important crops
3	Cow, buffaloes and goat are main milch of district.

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	Central Plain Zone (Zone-IV)	Tremendous flooded during the rainy seasons and miseries to the human and animal population.

b) Topography

S. No.	Agro ecological situation	Characteristics
1	AES – I	Araiya lies entirely in trance gangetic plain, but its physical features vary considerably and are determined by the rivers which cross it. The area of Etawah and Auraiya districts is divisible into four portions of district natural characteristics. The first of these consists of the country lying north-east of the Senger river, which runs across it from west to east almost parallel to the Yamuna, it includes the northern portions of tahsils Etawah and Bharthana. The second tract lies south of the Senger and extends as far as the high lands immediately overlooking the Yamuna. It comprises a slightly undulating switch of country covering portions of Etawah and Bharthana and the bulk of a Auraiya Tehsil of Auraiya District. The tract includes the parts of some tahsils that adjoins the river Yamuna. Beyond the Yamuna, stretching from the borders of tahsil Bah in Agra to the confluence of the Sindh, Kuwari, Chambal and Yamuna rivers, lies the high and broken country formerly known as 4 Janibrast. These
2	AES – II	
3	AES – III	
4	AES – IV	

		tracts differ from each other in a very marked degree though each presents general conformity within its own limits.
--	--	--

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Clay	The soils are broadly affected by salinity, sodicity and ravines. Besides these are found every where low-lying beds of clay in which water collects during the rains and rice can be grown.	141218
2	Clay loam		
3	Loam		
4	Sandy loam		
5	Sandy		

2.4. Area, Production and Productivity of major crops cultivated in the district (2021-22)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Paddy	49897	48094	29.68
2	Wheat	103862	403345	38.83
3	Bajra	31169	71519	22.95
4	Maize	8840	23691	27.6
5	Gram	6132	12537	20.45
6	Mustard	16061	27247	16.96
7	Toriya	3701	3775	10.20
8	Pigeon pea	3395	4833	14.01

Source: District agriculture department.

2.5. Weather data (2021)

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
January, 2021	-	22	08	-
February, 2021	-	27	11	-
March, , 2021	-	33	15	-
April, 2021	-	41	23	-
May, 2021	-	39	25	-
June, 2021	-	38	27	-
July, 2021	-	33	25	-
August, 2021	-	32	25	-
September, 2021	-	33	24	-
October, 2021	-	34	19	-
November, 2021	-	30	19	-
December, 2021	-	22	09	-

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	9771	4.935 (000Mt.)	6.03 Lt.
<i>Indigenous</i>	78282	17.584(000Mt.)	2.076 Lt.
Buffalo	232799	95.175(000Mt.)	3.675 Lt.
Sheep	16276	7.009 (000Kg. wool)	1.05 Kg. wool
Goats	245794	16.446(000Mt.)	0.703 Lt.
Pigs	9715		
<i>Crossbred</i>			
<i>Indigenous</i>			
Rabbits	240		
Poultry			
Hens	45511		
<i>Desi</i>			
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
Auraiya	Bhagyan Nagar	Gwari, Keshampur Ban kepurwa, Banarpur Haziypur, Aruchikapurwa Jamuha, Vasundhara Kakor, Parghaipur Taiyabpur, Singanpur Kutubpur, JasakaPurwa Kutharra, Gadekapurwa Ray singhkapurwa, Samadhankapurwa Bahadurpur, Juaa Makhanpur, Dasaraura Sabupur, FatepurLaxmi Bharrapur, Bindpur Sehudpur Bihari, KanhaikaPurwa Atta, Mudhi Ranipur	Paddy, Wheat, Maize, Jowar, Mung, Urd, Mustard, Gram, Vegetables, Guava, Animal Husbandary	Low crop productivity Low yield of milk, Non- descript Animal	Soil reclamation, Suitable cropping system, IPM & IPNM technology, Salt tolerant varieties, Introduction high yielding varieties, A.I., Deworming, Timely vaccination, Balance ration, Entrepreneurship for rural youth
	Auraiya	Chichauli, Dhamseni, Budhadana, Jaura, MallahanPurwa, Ayana	Paddy, Maize, Jowar, Bajra, Mustard, Gram, Wheat, Mung, Urd, Vegetables, Guava, Animal Husbandry	Low crop productivity Low yield of milk, Non- descript Animal	Soil reclamation, Suitable cropping system, IPM & IPNM technology, Salt tolerant varieties, Introduce HYV, A.I., Deworming, Timely vaccination, Balance ration Entrepreneurship for rural youth

Ajjetmal	Ajeetmal	Navalpur, Ballapur, Durjanpurawa, Bhikhepur, Ratnipur, Admapur	Paddy, Maize, Jowar, Bajra, Mustard, Gram, Wheat, Mung, Urd, Vegetables, Guava, Animal Husbandry	Low crop productivity Low yield of milk, Non- descript Animal	Soil reclamation, Suitable cropping system, IPM & IPNM technology, Salt tolerant varieties, Introduce high yielding varieties A.I., Deworming, Timely vaccination, Balance rations Entrepreneurship for rural youth.
Bidhuna	Sahar	Jawaharpur, Lachiamau, Kanmau, Murlipurva, karaunda, Ghasa ka purwa, Kasaha, Purwa Fakire. Aseni, Parsadpurwa, KanchausiGanva, Dhikiyapur	Paddy, Maize, Jowar, Bajra, Mustard, Gram, Wheat, Mung, Urd, Vegetables, Guava, Animal Husbandry	Low crop productivity crop session wise Low yield of milk, Non- descript Animal	Soil reclamation, Suitable cropping system, IPM & IPNM technology, Salt tolerant varieties, Introduce high yielding varieties A.I., Deworming, Timely vaccination, Balance rations Entrepreneurship for rural youth.
Bidhuna	Acchalda	Pata, Kachpura, Kamara, Ramgarh, Hamirpur, Hajiyapur, Merakhpur, PurwaUzzene, PurwaBharamal, Malikpur, RuruganjHarchanpur Dakhnai ChharonKePurwa	Paddy, Maize, Jowar, Bajra, Mustard, Gram, Wheat, Mung, Urd, Vegetables, Guava, Animal Husbandry	Low crop productivity Low yield of milk, Non- descript Animal	Soil reclamation, Suitable cropping system, IPM & IPNM technology, Salt tolerant varieties, Introduce high yielding varieties A.I., Deworming, Timely vaccination, Balance rations Entrepreneurship for rural youth.
	Bidhuna	Dhanwali	Paddy, Maize, Jowar, Bajra, Mustard, Gram, Wheat, Mung, Urd, Vegetables, Guava, Animal Husbandry	Low crop productivity Low yield of milk, Non- descript Animal	Soil reclamation, Suitable cropping system, IPM & IPNM technology, Salt tolerant varieties, Introduce high yielding varieties A.I., Deworming, Timely vaccination, Balance rations Entrepreneurship for rural youth.
	Arwakatra	Umrain,Gulabpur	Paddy, Maize, Jowar, Bajra, Mustard, Gram, Wheat, Mung, Urd, Vegetables, Guava, Animal Husbandry	Low crop productivity Low yield of milk, Non- descript Animal	Soil reclamation, Suitable cropping system, IPM & IPNM technology, Salt tolerant varieties, Introduce high yielding varieties A.I., Deworming, Timely vaccination, Balance rations Entrepreneurship for rural youth.

2.8 Priority thrust areas

S. No.	Crop /Enterprises	Thrust area
1.	All crops	Reclamation of sodic soil and conservation of soil through integrated approach.
2.	Rain water harvesting	Watershed development due to ravines and undulating land
3.	All crops	Disease and pest management through IPM.
4.	Organic farming	Nutrient management and quality food production through IPNM, SSNM and organic farming.
5.	All crops	Introduction of suitable salt tolerant and high yielding varieties of rice, wheat, barley, mustard, maize, bajra, jowar, oilseed, pulses, vegetables, fruits etc.
6.	Cropping system	Introduction of suitable cropping system for different AES.
7.	Wheat	Promotion of zero tillage technology for sowing of wheat.
8.	Vegetable & Flowers	Promotion of scientific technologies for vegetable & flower production.
9.	Fodder production	To promote green fodder production round the year for livestock.
10.	Fisheries	Fish farming in low lying areas and unutilized ponds with integrated approach.
11.	SHG's	Formation of self help groups (SHGs), Mahilamandals&kisan club.
12.	Entrepreneurship	To develop opportunities for rural youth in agriculture based employment i.e. Vermi composting, Fish farming, Mushroom production, Beekeeping, Seed production, Vegetable and fruit nursery production etc.
13.	Entrepreneurship	To develop women's technical awareness skills-preparation of Jam , Jelly, Pickles, Candle making and stitching.
14.	Vaccination	Vaccination and deworming of animals.
15.	Resource conservation	To create awareness about drudgery reducing implement during farm activities.
16.	Milk production	Promotion of balance ration for higher milk production.

3. TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha) / No.	Number of Farmers
12	60	54.0 / 140	375

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2000	125	25685

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
200	20000	-	300

3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Integrated Nutrient management	Cabbage	Low yield of sesame due to imbalance use of fertilizer	Assessment of NPK fertilizer on yield of Cabbage	-	-	-	Field visit	Fertilizer
2	Integrated Nutrient management	Mustard	Low yield of mustard due to imbalance fertilizers	Assessment of NPKS fertilizer on yield of mustard	-	-	-	Field visit	Fertilizer
3	Varietal Evaluation	Paddy	Low yield in sodic soil	Assessment of salt tolerant variety of Paddy	-	-	-	Field visit	Seed
4	Varietal Evaluation	Okra	Low yield & no. nutritive value	Assessment of High yielding variety and High nutritive value	-	-	-	Field visit	Seed & Pesticides
5	Varietal Evaluation	Cowpea	Low yield of Cowpea	Assessment of High yielding variety	-	-	-	Field visit	Seed & Pesticides

6	Disease Management	Goat (Kids)	High incidence of ecto and endo parasitic infestation in goat kid resulting in pre-natal mortality and poor growth performance of kids.	Evaluation of Control measure of Pre-natal mortality in goat kid through Deworming at proper time.	-	-	-	Field visit	Dewormers
7.	Varietal Evaluation	Berseem	Low Yield due to local variety	Assessment of high yielding fodder variety of Berseem	-	-	-	Field visit	Seed + Bio-fertilizer
8	Drudgery Reduction	Vegetables	High level of drudgery among farm women	Assessment of Drudgery among farm women	-	-	-	Field visit	Hand operated vegetable transplanter
09	Bio-fortified Daliya	nutritional security	malnutrition	varietal Evaluation of Bio-fortified wheat variety DBW-187	-	-	-	Field visit	Bio-fortified Daliya

10	Backyard poultry kaddaknath breed	Nutritional security	income generation	Evaluation of nutritional security	-	-	-	-	-
11	Pest Management	Cucumber	Fruit fly in Cucumber	Assessment of pesticides for Fruit fly in Cucumber	-	-	-	Training field visit field day	Chemical Insecticide
12	Cropping System	Wheat DBW-222	Low yield	-	HYV	Cultivation technical of Wheat		Training field visit field day	Seed
13	Cropping System	Sponge Gourd-(PusaSneha)	Low yield	-	High yielding variety	Cultivation technical of Sponge Gourd		Training field visit field day	Seed
14	Pest Management	Paddy	Low yield	-	Pest Management	IPM		Training field visit field day	Insecticide
15	Cropping System	Cowpea-KashiKanchan	Low yield	-	High yielding variety	Cultivation technical of Cowpea		Training field visit field day	Seed
16	Cropping System	Bottle gourd Kashi Ganga	Low yield	-	High yielding variety	Cultivation technical of Bottle Gourd		Training field visit field day	Seed
17	Cropping System	Chilli-KashiAnmol	Low yield	-	High yielding variety	Cultivation technical of Chilli		Training field visit field day	Seed

18	Cropping System	Paddy CSR-46	Sodic land	-	Sodic soil HYV	Cultivation technical of Paddy	-	Training field visit field day	Seed
19	Cropping System	Wheat KRL-210	Low yield	-	HYV	Cultivation technical of Wheat in Sodic Land		Training field visit field day	Seed
20	Berseem	BB2	Low yield	-	Green fodder production around the Year	Green fodder production		Training field visit field day	Seed
21	Fodder Production	Oat JHO-822	Low yield	-	Green fodder production around the Year	Green fodder production		Training field visit field day	Seed
22	Nutritional Garden	Nutritional Garden	-	-	Performance Nutritional Garden	Performance Nutritional Garden		Training field visit field day	Seed + Seedlings
23.	Bio-fortified crop	Karan Vandna DBW-187	Low Yield low nutrition level	-	High Yielding Bio-fortified Variety	Performance Bio-fortified Variety		Training field visit field day	Yield & nutritive variety
24	Nutrient Management	Buffalo	Low production of milk	-	Increase in milk production through mineral mixture and dewormer	Increase in milk production through mineral mixture and dewormer	-	Training field visit field day	Mineral mixture and Dewormer

25	Nutrient Management	Buffalo	Low production of milk and post calving repeat breeding in buffalo	-	Increase in milk production and control of post calving repeat breeding in buffalo through feeding of UMMB	Increase in milk production and control of post calving repeat breeding in buffalo through feeding of UMMB	-	Training field visit field day	UMMB and Dewormers
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3.1 Technologies to be assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flowers	Plantation crops	Tuber Crops	Other	TOTAL
Varietal Evaluation	01		01		02					01	05
Seed / Plant production											
Weed Management	01										01
Integrated Crop Management											
Integrated Nutrient Management		02									02
Integrated Farming System											
Mushroom cultivation											
Drudgery reduction					02						02
Farm machineries											
Value addition											
Integrated Pest Management					01						01
Integrated Disease Management											
Resource conservation technology											
Small Scale income generating enterprises											
Child care											
TOTAL	02	02	01		05					01	11

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flowers	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 to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management	01							01
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL	01							01

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

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

OFT-1

1	Crop/ Enterprise	Cabbage
2	Title of On Farm Trail.	Assessment of Micro nutrients on yield of Cabbage
3	Problem diagnosed	Low yield of Cabbage due to micro nutrients
4	Farming situation	Irrigated
5	Production systems and thematic area.	INM
6	Farmers practices	No using balance fertilizer
7	Details of technologies selected for assessment /refinement.	T1 farmers practice no use of Boron and Molybdenum as Micro nutrient. T2 Application of 12kg Borax and 2kg Ammonium molybdate /ha along with Recommended dose of Fertilizer
8	Source of technology	IIVR, Varanasi
9	Critical input	Micro nutrients
10	No. of farmers	05
11	Performance indicators.	
	i. Technical	i) Weight of head in g ii) Grain yield /ha
	ii Economic	i) Cost of cultivation Rs/ha ii) Gross return Rs/ha iii) Net profit Rs./ha
	iii Social	iv) BCR i) Availability & Adoption of technology

OFT-2

1	Crop/ Enterprise	Mustard
2	Title of On Farm Trail.	Assessment of NPKS fertilizer on yield of mustard
3	Problem diagnosed	Low yield of mustard due to imbalance fertilizers
4	Farming situation	
5	Production systems and thematic area.	INM
6	Farmers practices	No use of balance fertilizers
7	Details of technologies selected for assessment /refinement.	T1 Farmerspractices (not usingbalancefertilizer) T2 NPKs 120,60,6040 kg./ha
8	Source of technology	Chandra Shekhar Azad University of Agriculture and Technology, Kanpur
9	Critical input	Fertilizers
10	No. of farmers	05
11	Performance indicators.	
	i. Technical	i) No. of Plant/ m2 ii) No of branches/m2 iii) Grain yield /ha
	ii Economic	i) Cost of cultivation Rs/ha ii) Gross return Rs/ha iii) Net profit Rs./ha
	iii Social	iv) BCR
		i) Availability & Adoption of technology

OFT -3

1	Crop/ Enterprise	Paddy
2	Title of On Farm Trail.	Assessment of salt tolerant variety of Paddy
3	Problem diagnosed	Low yield in sodic soil
4	Farming situation	Paddy-Wheat
5	Production systems and thematic area.	Local Variety
6	Farmers practices	Kranti
7	Details of technologies selected for assessment /refinement.	T1 Farmers practices (Kranti) T2 CSR-46
8	Source of technology	CSSRI Karnal
9	Critical input	Seed
10	No. of farmers	05
11	Performance indicators.	
	i. Technical	i) No. of Plant/ m ² ii) No of tillers/m ² iii) Grain yield /ha
	ii Economic	i) Cost of cultivation Rs/ha ii) Gross return Rs/ha iii) Net profit Rs./ha iv) BCR
	iii Social	i) Availability & Adoption of technology

OFT-4

1	Crop/ Enterprise	Okra
2	Title of On Farm Trail.	Assessment of High yielding variety and High nutritive value
3	Problem diagnosed	Low yield & no. nutritive value
4	Farming situation	Irrigated
5	Production systems and thematic area.	Maze or Bajra- Potato
6	Farmers practices	Local Ankur seed
7	Details of technologies selected for assessment /refinement.	T1- LocalAnkur T2
8	Source of technology	ICAR-IIVR, Varanasi
9	Critical input	Seed & Pesticides
10	No. of farmers	05
11	Performance indicators.	
	i. Technical	Plant High (cm) per plant yield No. of plants length of pods ©
	ii Economic	i) Cost of cultivation Rs/ha ii) Gross return Rs/ha iii) Net profit Rs./ha iv) BCR
	iii Social	i) Availability & Adoption of technology

OFT-5

1	Crop/ Enterprise	Cow pea
2	Title of On Farm Trail.	Assessment of High yielding variety
3	Problem diagnosed	Low yield
4	Farming situation	
5	Production systems and thematic area.	Bajra – Potato High yielding variety
6	Farmers practices	Local-N.S. 52
7	Details of technologies selected for assessment /refinement.	T1 Local-N.S. 52 T2 Kashi Nidhi
8	Source of technology	ICAR-IIVR, Varanasi
9	Critical input	Seed Pesticides
10	No. of farmers	05
11	Performance indicators.	
	ii. Technical	i) Plant Hight (cm) ii) Per plant yield iii) Length pads (cm)
	ii Economic	i) Cost of cultivation Rs/ha ii) Gross return Rs/ha iii) Net profit Rs./ha iv) BCR
	iii Social	i) Availability & Adoption of technology

OFT-6

Crop/Enterprise	Goat (Kids)
Title of On Farm Trail.	Evaluation of Control measure of Pre-natal mortality in goat kid through Deworming at proper time.
Problem diagnosed	High incidence of ecto and endo parasitic infestation in goat kid resulting in pre-natal mortality and poor growth performance of kids.
Farming situation	Hose Held Requirement
Production System and Thematic Area	Disease management
Farmers' Practices	No Deworming
Details of Technologies selected for Assessment/Refinement	T ₁ Farmers practice (No Deworming) T ₂ Use of different dewormer at proper time (Improved Practice) A. Albomar syrup @ 5.0 / Kids at the age of 10 days B. Piperazine @ 8.0 ml/ Kids at the age of 30-35 days C. Nilworm @ 15 mg/Kg, body weight at the age of 60-55 days D. Destodine tablet @ 1 tab./ Kids at the age of 90-95 days
Source of technology	CIRG, Makhdoom, Mathura
No. of Farmers	05
No. of Kids	20 (10 Kids in each treatment)
Critical Input	Dewormers
<p align="center">Performance indicators</p> <p align="center">1.Technical</p> <p align="center">2. Economic</p> <p align="center">3. Social</p>	<ul style="list-style-type: none"> • Kids Mortality (%) • Body wt. in kg • Health problem • Cost of input Rs./ Kids • Total return Rs./Animal • Net Return Rs./Animal • BCR • Availability and adoptability • Availability & Adoption of technology

OFT-7

1	Crop/ Enterprise	Berseem
2	Title of On Farm Trail.	Assessment of high yielding fodder variety of Berseem
3	Problem diagnosed	Low Yield due to local variety
4	Farming situation	Irrigated
5	Production systems and thematic area.	Fodder Production
6	Farmers practices	Local variety of Berseem
7	Details of technologies selected for assessment /refinement.	T ₁ - Farmers practice (Local Variety) T ₂ - B. B. -3
8	Source of technology	IGFRI Jhansi
9	Critical input	Seed and Bio-fertilizer
10	No. of farmers	05
11	Performance indicators.	
	i. Technical	(i) No of fodder cutting (ii) Length of fodder (cm) (iii) Yield of Green Fodder (q./ha.)\
	ii Economic	(i) Cost of Cultivation (Rs. / ha.) (ii) Total Return (Rs. / ha.) (iii) Net Return (Rs./ha.) (iv) BCR
	iii Social	Availability&Adoptabilityof Technology

OFT-8

Crop/Enterprise	Working Farm Women
Title of on-farm trail	Assessment of Drudgery among farm women
Problem diagnosed	High level of drudgery among farm women
Farming Situation	Adopting traditionally designed tools
Production System and Thematic Area	Location specific drudgery reducing technologies
Farmer's Practices	Safety of workers during the performance of activities
Details of Technologies selected for Assessment/Refinement	T1- Traditional T2- Vegetable trans planter
Source of technology	ANGRU, Hyderabad
No. of Farmers	05
Critical Input	Hand operated vegetable trans planter
<p>Performance indicators</p> <p>1. Technical</p> <p>2. Economic</p> <p>3. Social</p>	<p>Safety of workers during the performance of activities</p> <p>1:Work efficiency / hrs 2:Save money 3:BCR</p> <p>Acceptability</p>

OFT -09

Crop/ enterprise	Value added products of wheat Bio fortified varieties	
Tital of on farm trail	Evaluation of value added product of wheat dalia trough prepared by bio-fortified variety of wheat (DBW-187 KARAN VANDANA) for comfort of malnutrition in children	
Problem diagnosed	Problem of malnutrition among children and lack of awareness of about Bio fortified varieties of wheat (DBW-187 KARAN VANDANA)	
Details of technologies selected for assessment/refinement	T₁	Traditional dalia
	T₂	Recommended practice use of dalia prepared by biofortified variety of wheat (DBW-187 KARAN VANDANA)
Source of technology	IIWBR KARNAL	
No of children's	10	
Critical input	Prepared dalia for 180 days	
Performance indicator <ul style="list-style-type: none"> 1. Technica 1. Economic 2. Social 	Physical indicator – BMI of children Adoptability of technology	

OFT-10

Crop/ enterprise	Backyard poultry kaddaknath breed	
Tital of on farm trail	Evaluation of kadaknath breed in backyard	
Problem diagnosed	Rearing of deshi breed of poultry in back yard	
Details of technologies selected for assessment/refinement	T ₁	Farmers practice desi breed of poultry in backyard
	T ₂	Kadaknath breed in back yard poultry
Source of technology	Jhabua, MP	
No of cildrens	05	
Critical input	chick & feed	
Performance indicator		
1. Technical	<ol style="list-style-type: none"> 1. body weight at the time of egging and time of sale 2. Nutritional value of egg 3. age of first egging 4. no. of egg in year 	
2. Economic	<ol style="list-style-type: none"> 1. cost of production rs/ back yard 2. Total return rs/ back yard 3 net return rs/ backyard 4. BCR 	
3. Social	<ol style="list-style-type: none"> 1. acceptabilty& adoptability 	

OFT-11

Crop/Enterprise	Paddy
Title of on-farm trial	Assessment of fungicide for Sheath Blight in Paddy Crop
Problem diagnosed	Sheath Blight in Paddy Crop
Production System and Thematic Area	Irrigated, Pest Management
Farmers' Practices	Bavistin
Details of Technologies selected for Assessment/Refinement	T1- Bavistin farmers Practice T2- Hexaconazole Chemical
Source of technology	NCIPM, New Delhi
No. of Farmers	5
Critical Input	Chemical
Performance indicators	
1. Technical	1. No of Infected Leaves Per plant in Mt. Sq. 2. No of Plants Infected in Mt. Sq.
2. Economic	1. Yield (Grains) q/ha. 2. Cost of cultivation Rs./ha.
3. Social	3. CBR 1. Acceptability & Adoptability

3.2 Frontline Demonstrations-

A. Details of FLDs to be organized -

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/demon.	Parameters identified
1	Wheat	DBW-222	Cropping System	High Yielding Variety	Seed	Rabi 2023	20.0	50	Yield
2	Sponge guard	Pusa Sneha	Cropping System	High Yielding Variety	Seed Pesticide	Zaid 2023	2.0	20	Yield
3	Cow pea	Kashi Kanchan	Cropping System	High Yielding Variety	Seed Pesticide	2023	2.0	20	Yield
4	Bottle Gourd	Kashi Ganga	Cropping System	High Yielding Variety	Seed Pesticide	2023	2.0	20	Yield
5	Chili	Kashi Anmol	Cropping System	High Yielding Variety	Seed Pesticide	2023	2.0	20	Yield
6	Paddy	CSR-46	Cropping System	High Yielding Variety	Seed	2023	8.0	20	Yield
7	Wheat	KRL-210	Cropping System	High Yielding Variety	Seed	2023	8.0	20	Yield
8	Berseem	BB-2	Fodder Production	High Yielding Variety	Seed	2023	4.0	20	Fodder Yield
9	Oat	JHO-822	Fodder Production	High Yielding Variety	Seed	2023	4.0	20	Fodder Yield
10	Kitchen Garden	Vegetable	Nutrition Security	Round year vegetables production	Seed	2023	-	20	Yield
11	Bio-fortified crop	Karan vandhna DBW-187	Nutrition Security	High Yielding Bio-fortified 1 Variety	Seed	2023	-	20	Yield & nutritive variety
					Total				

Sponsored Demonstration

Crop	Area (ha)	No. of farmers

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	14	Jan 2023	600
2	Farmers Training	14	Dec 2023	400
3	Media coverage	20		
4	Training for extension functionaries	04		100

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / Indicators

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / Indicators
Cow & Buffalo	All (Indigenous and improved)	50	50	Mineral Mixture and Dewormer	Milk production
Buffalo	All (Indigenous and improved)	20	20	UMMB and Dewormers	Control of repeat breeding and increasing milk production in post calving buffalos
	Total	70	70		

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

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Nursery management	01	13	02	15	03	02	05	20
a) Vegetable Crops								
Production of low volume and high value crops	01	13	02	15	03	02	05	20
Protective cultivation (Green Houses, Shade Net etc.) TPS Cultivation	01	13	02	15	03	02	05	20
b) Fruits								
Cultivation of Fruit	01	13	02	15	03	02	05	20
Management of young plants/orchards	01	13	02	15	03	02	05	20
III Soil Health and Fertility Management								
Soil fertility management	04	52	08	60	12	08	20	80
Soil and Water Conservation								
Integrated Nutrient Management	01	13	02	15	03	02	05	20
Production and use of organic inputs	02	26	04	30	06	04	10	40
Soil and Water Testing	01	13	02	15	03	02	05	20
IV Livestock Production and Management								
Dairy Management	01	13	02	15	03	02	05	20
Feed management	03	39	06	45	09	06	15	60
Production of quality animal products								
V .Home Science/Women Empowerment								
Household food security by kitchen gardening and nutrition gardening	01	00	15	15	00	05	05	20
Design and development of low/minimum cost diet	01	00	15	15	00	05	05	20
Designing and development for high nutrient efficiency diet	01	00	15	15	00	05	05	20
Value addition	02	00	30	30	00	10	10	40
Location specific drudgery reduction technologies	01	00	15	15	00	05	05	20
VI Agril. Engineering								
VII Plant Protection								
Integrated Pest Management	03	39	06	45	09	06	15	60
VIII Fisheries								
X Capacity Building and Group Dynamics								
Leadership development								

Group dynamics	03	39	06	45	09	06	15	60
TOTAL	29	299	136	435	69	76	146	580
(B) RURAL YOUTH								
Mushroom Production	02	26	04	30	06	04	10	40
Bee-keeping	02	26	04	30	06	04	10	40
Integrated farming								
Seed production	02	26	04	30	06	04	10	40
Production of organic inputs	03	39	06	45	09	06	15	60
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture	02	26	04	30	06	04	10	40
Sericulture								
Protected cultivation of vegetable crops	01	13	02	15	03	02	05	20
Value addition	01	00	15	15	00	05	05	20
Production of quality animal products								
Dairying	01	13	02	15	03	02	05	20
Sheep and goat rearing	01	13	02	15	03	02	05	20
Poultry production	01	13	02	15	03	02	05	20
Rural Crafts	01	00	15	15	00	05	05	20
Other (Flower Cultivation)	01	13	03	15	03	02	05	20
Candle Making	01	00	15	15	00	05	05	15
TOTAL	19	208	78	285	48	47	95	375
(C) Extension Personnel								
Productivity enhancement in field crops	04	80	00	80	20	00	20	100
Integrated Pest Management	06	120	00	120	30	00	30	150
Integrated Nutrient management	01	20	00	20	05	00	05	25
Rejuvenation of old orchards	01	20	00	20	05	00	05	25
Protected cultivation technology	01	20	00	20	05	00	05	25
Management in farm animals	04	80	00	80	20	00	20	100
Low cost and nutrient efficient diet designing	03	60	00	60	15	00	15	75
SRI/SWI/Drum Seeder	02	40	00	40	10	00	10	50
FPO	01	20	00	20	05	00	05	25
TOTAL	23	460	0	460	115	0	115	575
Grand Total On Campus Trainings	82	1110	236	1345	265	145	410	1750

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants		Grand Total
		Others	SC/ST	

		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Nursery management	01	13	02	15	03	02	05	20
a) Vegetable Crops								
Production of low volume and high value crops	06	78	12	90	18	12	30	120
b) Fruits								
Cultivation of Fruit	01	13	02	15	03	02	05	20
Management of young plants/orchards	01	13	02	15	03	02	05	20
III Soil Health and Fertility Management								
Soil fertility management	05	65	10	75	15	10	25	100
Soil and Water Conservation								
Integrated Nutrient Management	03	39	06	45	09	06	15	60
Soil and Water Testing	02	26	04	30	06	04	10	40
Livestock Production and management								
Dairy Management	04	52	08	60	12	8	20	80
Disease Management	02	26	04	30	06	04	10	40
V Home Science/Women empowerment								
Designing and development for high nutrient efficiency diet	03	00	45	45	00	15	15	60
Storage loss minimization techniques	02	00	30	30	00	10	10	40
Value addition	02	00	30	30	00	10	10	40
VII Plant Protection								
Integrated Pest Management	10	130	20	150	30	20	50	200
X Capacity Building and Group Dynamics								
Leadership development	02	26	04	30	06	04	10	40
Group dynamics	01	13	02	15	03	02	05	20
Formation and Management of SHGs(HS)	01	13	02	15	03	02	05	20
Importance of PMFBY	01	13	02	15	03	02	05	20
Total	47	520	185	705	120	115	235	940

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								
Nursery management	02	26	04	30	06	04	10	40
a) Vegetable Crops								
Production of low volume and high value crops	07	91	14	105	21	14	35	140
Protective cultivation (Green Houses, Shade Net etc.)	01	13	02	15	03	02	05	20
Other								
b) Fruits								
Cultivation of Fruit	02	26	04	30	06	04	10	40
Management of young plants/orchards	02	26	04	30	06	04	10	40
III Soil Health and Fertility Management								
Soil fertility management	09	117	18	135	27	18	45	180
Soil and Water Conservation								
Integrated Nutrient Management	04	52	08	60	12	08	20	80
Production and use of organic inputs	02	26	04	30	06	04	10	40
Soil and Water Testing	02	26	04	30	06	04	10	40
Livestock Production and management								
Dairy Management	05	65	10	75	15	20	35	100
Disease Management	02	26	04	30	06	04	10	40
Feed management	03	39	06	45	09	06	15	60
Production of quality animal products								
Home Science Women empowerment								
Household food security by kitchen gardening and nutrition gardening	01	00	15	15	00	05	05	20
Design and development of low/minimum cost diet	01	00	15	15	00	05	05	20
Designing and development for high nutrient efficiency diet	04	00	45	45	00	20	20	60
Value addition	04	00	60	60	00	20	20	80
Location specific drudgery reduction technologies	01	00	15	15	00	05	05	20
VII Plant Protection								
Integrated Pest Management	13	169	26	195	39	26	65	260
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
X Capacity Building and Group Dynamics								
Leadership development	02	26	04	30	06	04	10	40
Group dynamics	04	52	08	60	12	08	20	80
Formation and Management of SHGs	01	13	02	15	03	02	05	20
Other (Crop issues SWI)	01	13	02	15	03	02	05	20
PMFBY	01	13	02	15	03	02	05	20

Total	76	919	321	1240	289	191	380	1620
(B) RURAL YOUTH								
Mushroom Production	02	26	04	30	06	04	10	40
Bee-keeping	02	26	04	30	06	04	10	60
Seed production	02	26	04	30	06	04	10	40
Integrated Farming (Medicinal)	01	13	02	15	03	02	05	20
Value addition	01	00	15	15	00	05	05	20
Production of quality animal products								
Dairying	01	13	02	15	03	02	05	20
Sheep and goat rearing	01	13	02	15	03	02	05	20
Poultry production	01	13	02	15	03	02	05	20
Rural Crafts	01	00	15	15	00	05	05	20
Other (Flower Cultivation)	01	13	03	15	03	02	05	20
Candle Making	01	00	15	15	00	05	05	15
TOTAL	19	208	78	285	48	47	95	375
(C) Extension Personnel								
Productivity enhancement in field crops	04	80	00	80	20	00	20	100
Integrated Pest Management	06	120	00	120	30	00	30	150
Integrated Nutrient management	01	20	00	20	05	00	05	25
Rejuvenation of old orchards	01	20	00	20	05	00	05	25
Protected cultivation technology	01	20	00	20	05	00	05	25
Management in farm animals	04	80	00	80	20	00	20	100
Low cost and nutrient efficient diet designing	03	60	00	60	15	00	15	75
SRI/SWI/Drum Seeder	02	40	00	40	10	00	10	50
FPO	01	20	00	20	05	00	05	25
TOTAL	23	460	0	460	115	0	115	575
G. Total	118	1587	399	1985	352	238	630	2570

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	350	50	400	25	25	50	375	75	450
KisanMela	10	8000	2000	10000	400	150	550	8400	2150	10550
KisanGhoshthi	05	200	40	240	10	0	10	210	40	250
Exhibition	10	4000	1500	5500	300	150	450	4350	1650	6000

Film Show	10	400	150	550	10	0	10	410	150	560
Farmers Seminar	01	100	25	125	0	0	0	100	25	125
Workshop	01	50	10	60	0	0	0	50	10	60
Group meetings	5	80	20	100	0	0	0	80	20	100
Lectures delivered as resource persons	01	2200	200	2400	200	05	205	2400	205	2605
Newspaper coverage	01	-	-	-	-	-	-	-	-	-
Radio talks	10	-	-	-	-	-	-	-	-	-
TV talks	05	-	-	-	-	-	-	-	-	-
Popular articles	05	-	-	-	-	-	-	-	-	-
Extension Literature	10	-	-	-	-	-	-	-	-	-
Advisory Services	01	100	50	150	0	0	0	100	50	150
Scientific visit to farmers field	01	400	50	450	0	0	0	400	50	450
Farmers visit to KVK	01	800	200	1000	0	0	0	800	200	1000
Diagnostic visits	01	300	0	300	0	0	0	300	0	300
Exposure visits	2	50	0	50	0	0	0	50	0	50
Ex-trainees Sammelan	03	150	50	200	0	0	0	150	50	200
Soil health Camp	01	100	25	125	0	0	0	100	25	125
Animal Health Camp	04	200	50	250	30	0	30	230	50	280
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	05	180	0	180	0	0	0	180	0	180
Farm Science Club Conveners meet	01	80	20	100	0	0	0	80	20	100
Self Help Group Conveners meetings	05	45	30	75	0	0	0	45	30	75
Mahila Mandals Conveners meetings	5	0	60	60	0	0	0	0	60	60
Celebration of important days (specify)	03	100	50	150	0	0	0	0	0	150
Any Other (Specify)	-	-	-	-	-	-	-	-	-	-
Total	125	19435	48300	24265	1025	345	1370	20410	5125	25685

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Paddy	CSR-46 & NDR-2065	20.0
			30.0
	Wheat	DBW-222	40.0
		DBW-187 HD-2967	70.0 10.0
OILSEEDS	Mustard	RH-749 RH-725	20.0
PULSES	Green gram	Shikha Virat	05.0 05.0
VEGETABLES			
OTHERS (Specify)			
		Total	200.0

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Papaya	Pusa Dwarf,	500
		PusaNanha&Pusa Delicious	
VEGETABLES			
	Cauliflower		4500
	Cabbage		5000
	Tomato		5000
	Brinjal		5000
		Total	20000

3.6. Literature to be Developed/Published

(A) KVK News Letter

Date of start : Jan2022- December, 2022

Number of copies to be published :

(B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	05
2	Technical reports	02
3	News letters	12
4	Training manual all discipline	02
5	Popular article	05
6	Extension literature	05
	Total	31

(C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	01		

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

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
 - i) Social economic
 - ii) Bio-Physical
- f. Good Action Photographs

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

Rural Youth

In-service personnel

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) -05
- ii. No. of farm families selected per village :50
- iii. No. of survey/PRA conducted :02
- iv. No. of technologies taken to the adopted villages 05
- v. Name of the technologies found suitable by the farmers of the adopted villages: 05
- 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 :NA

Status of establishment of Lab:

1. Year of establishment :

2. List of equipments purchase with amount

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

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	300	3000	05	-
Water				
Plant				

Total	300	3000	05	-
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4.0 LINKAGES

4.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1. CSAUAT, Kanpur	Participation in meeting, training programmes.
2. NDAUT, Faizabad	Procurement of seeds, Aonla plants,
3. IIPR, Kanpur	Procurement of seeds training programme and demonstration.
4. IARI, New Delhi	Procurement of seeds.
5. CSSRI, Regional Research Station, Lucknow	Procurement of seeds training programme and demonstration.
6. Central Institute for Sub-tropical Horticulture, Rahman Khera, Lucknow	Farm development and technical guidance.
7. DRDA, Auraiya	By providing fund for establishment of Food processing unit for training women's and SHGs.
8. NBRI, Lucknow	Technical guidance to farm development.
9. State Department of Plant Protection	Training Programme, joint diagnostic survey and implementation.
10. Department of Agriculture	Training Programme & Demonstration.
11. Directorate of maize research, New Delhi	Procurement of the hybrid maize parental line
12. GBPUAT, Pantnagar	Procurement of seeds.
13. Department of Animal Husbandry	Joint diagnostic survey & implementation.
14. BAIF	Joint implementation.
15. Department of Horticulture	For plantation on farm
16. Forest Department	Joint survey & farm development
17. U.P.BSN, Auraiya	To provide training programmes.
18. Doordarshan & ETV, Uttar Pradesh	For coverage and live telecast of KVK activities.
19. U.P. Seed Development Corporation, Lucknow	To promote quality seed production.
20. Central Integrated pest management Center, Lucknow	To execute I.P.M. programmes in different crops.
21. Central Institute for Research on Goat, Makhdoom, Farah, Mathura	Training Programme, joint diagnostic survey and implementation.
22. All 537ndia radio, Lucknow	For recording and live telecast of KVK activities.
23. DDM NABARD, Etawah	For promote the kisan club & Promotion of SRI in Paddy cultivation
24. GAIL, Pata, Auraiya	Promotion of Beekeeping, Vermicompost and other activities.
25. Eastern Region Research Institute, ICAR complex, Patna	For Research trial

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage
1	Training	
2	Demonstration	

4.3 Give details of programmes under National Horticultural Mission : No

S. No.	Programme	Nature of linkage
1		
2		

4.4 Nature of linkage with National Fisheries Development Board : NO

S. No.	Programme	Nature of linkage
1		
2		

5.0 Utilization of hostel facilities : Yes

S. No.	Programme	No. of days
1		
2		
3		
4		
	Total	

Training Programme

i) Farmers & Farm women(On Campus)

Date	Clientel e	Title of the training programme	Duratio n in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
Soil Science										
May	PF	Green manuring for increasing crop production	01	13	02	15	03	02	05	20
June	PF	Production of Blue green Algae	01	13	02	15	03	02	05	20
June	Pf	Role of Biofertilizer in Kharif crop	01	13	02	15	03	02	05	20
July	PF	Soil and Water testing	01	13	02	15	03	02	05	20
July	PF	NADEP compost	01	13	02	15	03	02	05	20
Horticulture										
April	PF	Canopy Management in Guava	01	13	02	15	03	02	05	20
May	PF	High density planting in Mango, Guava & Papaya	01	13	02	15	03	02	05	20
June	PF	Integrated farming system in Horticulture crops.	01	13	02	15	03	02	05	20
July	PF	Production technology of Bell pepper (Capsicum)	01	13	02	15	03	02	05	20
Livestock prod.										
February	PF	Hay and Silage making for fodder conservation	01	13	02	15	03	02	05	20
March	PF	Green fodder production around the year	01	13	02	15	03	02	05	
May	PF	Feeding of Sahjan for improving growth rate of Goat	01	13	02	15	03	02	05	20
October	PF	Management of heifers for timely insemination	01	13	02	15	03	02	05	20
Agriculture Extension										
May	PF	Importance of FPO	01	13	02	15	03	02	05	20
May	PF	Importance of Bio fertilizer	01	13	02	15	03	02	05	20
June	PF	Paddy cultivation through SRI	01	13	02	15	03	02	05	20
June	PF	Paddy cultivation through DSR	01	13	02	15	03	02	05	20
September	PF	Importance of Kisan club	01	13	02	15	03	02	05	20
October	PF	Importance of farmers interest group	01	13	02	15	03	02	05	20
Home Science										
January	PF	Dietary Management of Anemia	01	00	15	15	00	05	05	20
March	PF	Drudgery reduction techniques for enhancing work efficiency	01	00	15	15	00	05	05	20
May	PF	Value addition of Fruits	01	00	15	15	00	05	05	20

July	PF	Food security through kitchen garden at house hold level	01	00	15	15	00	05	05	20
September	PF	Preparation of Low cost nutritious for School going children	01	00	15	15	00	05	05	20
November	PF	Value addition of Aonla	01	00	15	15	00	05	05	20
Plant Protection										
April	PF	IPM in Fruit & Shoot Borer in Brinjal Crop	01	13	02	15	03	02	05	20
May	PF	IPM in Pigeon Pea Crop	01	13	02	15	03	02	05	20
Sep	PF	Integrated Pest Management in Chickpea Crop	01	13	02	15	03	02	05	20

i) Farmers & Farm women (Off Campus)

J	Clientel e	Title of the training programme	Durati on in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Soil Science										
February	PF & FW	Integrated nutrients management in Moong (summer)	01	13	02	15	03	02	05	20
April	PF & FW	Green manuring for increasing crop production	01	13	02	15	03	02	05	20
May	PF & FW	Importance of vermicompost in organic farming	01	13	02	15	03	02	05	20
May	PF & FW	NADEP compost preparation techniques	01	13	02	15	03	02	05	20
June	PF & FW	Production of Blue green Algae	01	13	02	15	03	02	05	20
June	PF & FW	Role of Biofertilizer in Kharif crop	01	13	02	15	03	02	05	20
October	PF & FW	Soil and Water testing	01	13	02	15	03	02	05	20
November	PF & FW	Methods to test the chemical fertilizer	01	13	02	15	03	02	05	20
Horticulture										
January	PF	Production technology of sponge gourd & Bitter gourd	01	13	02	15	03	02	05	20
January	PF	Cultivation practices of muskmelon & water	01	13	02	15	03	02	05	20
February	PF	Cultivation practices tuberse	01	13	02	15	03	02	05	20

March	PF	Post Harvest management and value addition in Aonla& Guava	01	13	02	15	03	02	05	20
July	PF	Production technology of early season cauliflower	01	13	02	15	03	02	05	20
August	PF	Microbial consortium for sustainably vegetable production	01	13	02	15	03	02	05	20
September	PF	Safe waiting periods to minimize risk pesticide Residues in vegetables	01	13	02	15	03	02	05	20
October	PF	Cultivation practices of Garlic& Onion	01	13	02	15	03	02	05	20
November	PF	Production tech. ofChilli	01	13	02	15	03	02	05	20
December	PF	Rejuvenation of senile Orchards	01	13	02	15	03	02	05	20
Live Stock Production.										
Jan.	PF	Clean milk production	01	13	02	15	03	02	05	20
March	PF	Management of milch animals during pre and post calving	01	13	02	15	03	02	05	20
April	PF	Control of endo-ecto parasite	01	13	02	15	03	02	05	20
June	PF	Care of newly born calves kids and lamb	01	13	02	15	03	02	05	20
July	PF	Mastitis and milk fever and its control	01	13	02	15	03	02	05	20
December	PF	Detection of heat and proper time of insemination	01	13	02	15	03	02	05	20
Agriculture Extension										
Jan	PF	Importance of PFMY	01	13	02	15	03	02	05	20
Feb.	PF	Importance of Beekeeping in oil seed crop production	01	13	02	15	03	02	05	20
April	PF	Importance of FPO	01	13	02	15	03	02	05	20
June	PF	Importance of Kisan Club	01	13	02	15	03	02	05	20
July	PF	Importance of SHGs.	01	13	02	15	03	02	05	20
October	PF	Wheat cultivation through SWI	01	13	02	15	03	02	05	20
December	PF	Importance of FPO	01	13	02	15	03	02	05	20
Home Science										
February	PF	Preparation of nutritious foods for children	01	00	15	15	00	05	05	20
March	PF	Storage techniques of green leafy Vegetables	01	00	15	15	00	05	05	20
April	PF	Grain storage technique at household level	01	00	15	15	00	05	05	20
June	PF	Preparation of beverages by seasonal Fruits for Health	01	00	15	15	00	05	05	20
August	PF	Preparation of Milk products	01	00	15	15	00	05	05	20
October	PF	Minimization of nutriments loss in processing	01	00	15	15	00	05	05	20
December	PF	Management of anemia through locally available vegetables	01	00	15	15	00	05	05	20
Plant Protection										
January	PF	IPM In Vegetable Crops	01	13	02	15	03	02	05	20
Feb	PF	IPM In Cucurbitaceae Crop	01	12	03	15	03	02	05	20
Feb	PF	Pest Management in Zaid Pulses	01	12	03	15	03	02	05	20

		Crops								
June	PF	IPM In Maize Crop	01	12	03	15	03	02	05	20
June	PF	IPM In Lady Finger Crop	01	12	03	15	03	02	05	20
July	PF	IPM In Rice Crop	01	12	03	15	03	02	05	20
July	PF	Pest Management in Citrus Crops	01	12	05	17	05	02	07	24
August	PF	Pest Management in Orchard Crops	01	12	05	17	05	02	07	24
Oct.	PF	IPM In Mustard Crop	01	12	03	15	03	02	05	20
November	PF	Management of fruit and shoot Borer in Vegetable crops	01	13	02	15	03	02	05	20

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Beekeeping	Beekeeping	Management of Beekeeping	Jan.	05	13	02	15	03	02	05	20
Poultry	Self-employment generation	Poultry Farming	Feb.	05	13	02	15	03	02	05	20
Vermicompost	Vermicompost	Vermicompost production tech.	May	05	13	02	15	03	02	05	20
Handicraft	Handicraft for self employment	Macramé work for self employment	May	05	00	15	15	00	05	05	20
BGA	Decrease in paddy production due to heavy use of chemical fertilizers	Production of BGA for Entrepreneurship development	June	05	13	02	15	03	02	05	20
Dairy	Dairy Management	Dairy Farming	June	05	13	02	15	03	02	05	20
Vermicompost	Soil health Deterioration	Production of vermin-compost for employment generation	August	05	13	02	15	03	02	05	20
Organic farming	Low quality products	Organic vegetables production	September	05	13	02	15	03	02	05	20
Vegetables	Self employment generation	Cultivation of commercial flowers medicinal crops	September	05	13	02	15	03	02	05	20
Candle	Candle Making	Candle Making for self employment	September	05	00	15	15	00	05	05	20
Biopesticides	Self employment generation	Importance of Bio-pesticides in Agriculture Crops	October	05	13	02	15	03	02	05	20
Vegetables	Self employment generation	Seed production of potato & Garlic	October	05	13	02	15	03	02	05	20

Mushroom	Mushroom cultivation	September	October	05	13	02	15	03	02	05	20
Mushroom	Mushroom cultivation	Feb.	October	05	13	02	15	03	02	05	20
Cereals	Availability of poor quality seed	Cereals crop seed production technology	October	05	13	02	15	03	02	05	20
Beekeeping	Beekeeping	Management of Beekeeping	October	05	13	02	15	03	02	05	20
Beekeeping	Beekeeping	Management of Beekeeping	November	05	13	02	15	03	02	05	20
Goat	Goatery	Goat rearing	November	05	13	02	15	03	02	05	20
Wheat	Wheat	Seed production of wheat	November	05	13	02	15	03	02	05	20
Value addition	Fruits vegetables	Value addition of Fruits & vegetables	December	05	00	15	15	00	05	05	20

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
February	EF	Scientific cultivation of cucurbits	01	20	00	20	05	00	05	25
February	EF	IPM in Summer Pulses Crops	01	20	00	20	05	00	05	25
February	EF	Scientific cultivation of Summer Pulses	01	20	00	20	05	00	05	25
February	EF	Nutritional security through locally available green leafy vegetables	01	00	20	20	00	05	05	25
February	EF	Preparation of nutritious food products locally available food grains for children	01	00	20	20	00	05	05	25
March	EF	Artificial insemination	01	20	00	20	05	00	05	25
April	EF	Pulses production technology in zaid season	01	20	00	20	05	00	05	25
May	EF	Planting and Layout of Guava, Bel&Aonla orchards	01	20	00	20	05	00	05	25
May	EF	Paddy cultivation through SRI	01	20	00	20	05	00	05	25
June	EF	Integrated Pest Management in Kharif Crops	01	20	00	20	05	00	05	25

July	EF	IPM in Orchards Crop	01	20	00	20	05	00	05	25
July	EF	Production technology in kharif season crops	01	20	00	20	05	00	05	25
August	EF	Management of milch animals for higher production	01	20	00	20	05	00	05	25
September	EF	Preparation of high nutrient diet for children	01	20	00	20	05	00	05	25
Oct.	EF	Integrated Pest Management in Oilseed & Pulses Crops	01	20	00	20	05	00	05	25
Nov	EF	Wheat Cultivation through SWI	01	20	00	20	05	00	05	25
Nov	EF	Nutrient Management in Kharif Crops	01	20	00	20	05	00	05	25
November	EF	Importance of FPO	01	20	00	20	05	00	05	25
November	EF	Production technology in rabi season crops	01	20	00	20	05	00	05	25
December	EF	Detection of heat and proper time insemination	01	20	00	20	05	00	05	25

iv) Sponsored programme :as per Sanctioned

Discipline	Sponsoring agency	Clientel e	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programme											

ANNUAL ACTION PLAN

KVK-II RAEBARELI

(January-December-2023)

1. GENERAL INFORMATION ABOUT THE KVK-2

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

Address	Telephone		E mail	Website
	Office	FAX		
KRISHI VIGYAN KENDRA, PALTIKHEDA, SARENI, RAEBARELI-2			kvkraebareli2@gmail.com	

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

Address	Telephone		E mail	Website
	Office	FAX		
Chandra Sekhar Azad University of Agriculture &Tech. Kanpur	0535-2001732	0535-2001732	kvkraebareli2@gmail.com	

1.2.b. Status of KVK website : No

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

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

1.3. Name of the Senior Scientist and Head with phone & mobile No :

Name	Telephone / Contact		
	Office	Mobile	Email
DR. R. P. N. SINGH		7355919771	kvkraebareli2@gmail.com

1.4. Year of Sanction : September, 2021

1.5. Staff Position (as on 30th August, 2022)

Sl. No.	Sanction Post	Name of the incumbent	Designation	Discipline
1	2	3	4	5
1	1	DR. R P N SINGH	Office incharge/ Scientist	Agriculture Extension
2	1	DR. A K TIWARI	Scientist	Plant Protection
3	1	Dr. R. P SINGH	Scientist	Agriculture Extension

1.6. Total land with KVK (in ha) : 9.30 ha.

S. No.	Item	Area (ha)
1	Under Buildings	00
2.	Under Demonstration Units	0.8
3.	Under Crops	8.0
4.	Horticulture	0.5
5.	Ponds	-
6.	Others (if any)	00

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

a) Soil type

S. No	Agro Ecological Situation	Characteristics
1.	AES-I	Light brown sandy loam to sandy, generally structure less, poor in water holding capacity and organic matter, moderately alkaline, restricted drainage.
2.	AES-II	Light gray brown at surface to pale brown at lower depth, poor to average water holding capacity neutral in reaction and poor in organic matter.
3.	AES-III	Light gray to light brownish gray, sandy loam, average water holding capacity, neutral in reaction, slightly calcareous, low in organic matter content, impeded drainage and prone to salinity in the water logged areas.
4.	AES-IV	Brown at surface and lighter brown, sandy loam, average water holding capacity, neutral non-calcareous, fair drainage.
5.	AES-V	The colour varies from gray to grayish brown at the surface to slightly light at lower depths. Light texture at surface but becoming heavier below, average water holding capacity, neutral in reaction.
6.	AES-VI	Surface soil gray in colour which darkens below, becoming gray again in the third horizon. Texture is clay loam at surface and heavier below, average water holding capacity, neutral in reaction.

b) Topography

S. No.	Agro ecological situation	Characteristics
1	AES-I	Surface soils poor in lime content but the middle layer is calcareous, medium in soluble salts. Carbonates & sulphates practically absent.
2	AES-II	Generally non calcareous with fair drainage, medium in soluble salt contents with predominance of bicarbonates and chlorides.

3	AES-III	Average in soluble salts but injurious carbonates are absent.
4	AES-IV	Low in soluble salts mainly comprising of bicarbonates and chlorides of sodium.
5	AES-V	Lower layers moderately calcareous. High soluble salts that increase with depth.
6	AES-VI	Medium water soluble salts comprising mainly bicarbonates and chlorides of sodium.

2.3 Soil types

Sl. No	Soil type	Characteristics	Area (ha)
1	Ganga Khadar	1.Light brown sandy loam to sandy, generally structure less, poor in water holding capacity and organic matter, moderately alkaline, restricted drainage, surface soils poor in lime content but the middle layer is calcareous, medium in soluble salts. Carbonates & sulphates practically absent.	14935
2	Ganga Recent Alluvim	2.Light gray brown at surface to pale brown at lower depth, poor to average water holding capacity neutral in reaction and poor in organic matter. Generally non calcareous with fair drainage, medium in soluble salt contents with predominance of bicarbonates and chlorides.	14548
3	Ganga Flat	3.Light gray to light brownish gray, sandy loam, average water holding capacity, neutral in reaction, slightly calcareous, low in organic matter content, impeded drainage and prone to salinity in the water logged areas, average in soluble salts but injurious carbonates are absent.	108593
4	Sai Upland	4.Brown at surface and lighter brown, sandy loam, average water holding capacity, neutral non-calcareous, fair drainage, low in soluble salts mainly comprising of bicarbonates and chlorides of sodium.	5986
5	Sai Low Land	5.The colour varies from gray to grayish brown at the surface to slightly light at lower depths. Light texture at surface but becoming heavier below, average water holding capacity, neutral in reaction but lower layers moderately calcareous. High soluble salts that increase with depth.	126597
6	Sai Flat	6.Surface soil gray in colour which darkens below, becoming gray again in the third horizon. Texture is clay loam at surface and heavier below, average water holding capacity, neutral in reaction and medium water soluble salts comprising mainly bicarbonates and chlorides of sodium.	193175

2.4. Area, Production and Productivity of major crops cultivated in the district (2021-22)

S. No	Crop	Area (ha)	Production (Metric ton)	Productivity (Q /ha)
1	Wheat	192613	484322	29.42
2	Rice	81783	182942	25.31
3	Gram	6455	6162	9.8
4	Pea	3085	3982	12.98
5	Arhar	6051	5125	8.24
6	Lentil	331	282	8.92
7	Urd	10462	5062	5.81
8	Moong	1296	593	3.87
9	Mustard	8214	6012	7.84
10	Til	2621	535	2.62
11	Ground nut	1160	1297	12.88
12	Potato	5093	122832	263.41

Source : Department of Agriculture - Raebareilly

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

Category	Population	Production	Productivity
Cattle			
<i>Cross bred</i>	22430		
<i>Indigenous</i>	514832		
Buffalo	332352		
Sheep	681		

<i>Cross bred</i>	36832		
<i>Indigenous</i>	298812		
Goats	127375		
Pigs	12660		
<i>Crossbred</i>	115843		
<i>Indigenous</i>	712		
Poultry			
Duck	4562		
<i>Turkey and others</i>	4823		
Category	Area (ha)	Production (Q.)	Productivity
Fish (Reservoir)	239.00	5212.00	21.51

*Statcal report

2.7.Details of Operational area / Villages (2022-23)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Lalganj RBL	Lal Ganj	Pure Purana	Rice, Moong, Til, Wheat, Vegetables	No proper control of pest and diseases and imbalance use of nutrient without bio-fertilizer.	Popularization of Vermi compost, NADEP to nurish the soil and as a part of IPNM. Popularization of line sowing.
2	Lal Ganj	Lal Ganj	Saray Bairiya	Til, Gram, Mustard, Rice, fruits, animal husbandry. Wheat	No proper control of pest and diseases and imbalance use of nutrient without bio-fertilizer.	Popularization of Vermi compost, NadeP to nurish the soil and as a part of IPNM. Popularization of improved variety of cereals, oilseed & Pulses with line sowing, introduction of cross breed cattle.
3	Lal Ganj	Kheeron	Nihastha	Moong, Gram, Rice, Wheat, Vermi, Fruits	No proper control of pest and diseases and imbalance use of nutrient without bio-fertilizer and	Popularization of Vermicompost, NadeP to nurish the soil and as a part of IPNM. Popularization of hybrid rice, Scented rice, line sowing.
	Lal Ganj	Sareni	Dulhapur	Urd, Moong, Gram, Rice, Wheat, Vermi, Fruits	Imbalance use of nutrient without bio-fertilizer, No proper control of pest and diseases	Popularization of improved high yielding variety.
4	Sadar	Sataon	Pure Ummed	Til, Mustard Chickpea, Lentil, Horticulture	No proper control of pest and diseases and imbalance use of nutrient without bio-fertilizer.	Popularization of improved high yielding variety.
5	Sadar	Sataon	Ashanadpur	Til, Urd, Rice, Lentil, Wheat	Imbalance use of nutrient without bio-fertilizer, No proper control of pest and diseases	Popularization of improved high yielding variety.

6	Maharaj Ganj	Bachharawan	Rajamau	Til, Urd, Rice, Lentil, Wheat	Imbalance use of nutrient without bio-fertilizer, No proper control of pest and diseases	Popularization of improved high yielding variety.
7	Maharaj Ganj	Bachharawan	Kasrawan	Til, Urd, Rice, Lentil, Wheat	Imbalance use of nutrient without bio-fertilizer, No proper control of pest and diseases	Popularization of improved high yielding variety.

2.8 Priority thrust area

1. To introduce latest HYV/ Hybrids of different crops according to the agro-climatic condition of the district
2. To Increase the Seed Replacement Ratio
3. To promote the use of bio-input and bio-agents for improving soil fertility
4. Popularization of commercial cultivation of Fruits, Vegetables and Flowers in the district
5. Promotion of Protected nursery raising technique through low-tunnel poly house.
6. Introduction of cross breed cattle
7. Popularization of Barbari breed of goat for resource poor families
8. Knowledge of safe grain storage to be imparted to the rural women/ Child care and nutrition need emphasis/ Kitchen gardening

3. TECHNICAL PROGRAMME

3.A. Details of targeted mandatory activities by KVK- (2023)

OFT		FLD	
1		2	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
12	60	70	270

Training		Extension Activities	
3		4	
Number of Courses	Number of Participants	Number of Activities	Number of Participants
100	2000	125	4440

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples (Nos)
(5)	(6)	(7)	(8)
200.0	21000	-	1000

Development of Soil Health	Quality Seed	No. of saplings	No. of fingerlings
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card (Nos.)	distributed (Q.)	distributed (Nos)	distributed (Nos)
(9)	(10)	(11)	(12)
5000	30	20000	0

No. of Livestock & Poultry strains distributed (Nos.)
(13)
50

➤ **Units to be develop at KVK-2023-24**

1. Goat Unit.
2. Mango Mother block unit.
3. Citrus Mother block unit.
4. Crop cafeteria (oilseed -pulses).
5. 3000 plants of wood, flower and fruits will be planted during July 2023.
6. Training/Awareness programme for Jal Shakti Jal Mission will be conducted during 2023-24.
7. Cluster Front Line Demonstrations on Oilseed and Pluses during Kharif,2023 and Rabi 2023-24 will be conducted on 60 ha. Area.

3.2. FRONTLINE DEMONSTRATIONS

A. Details of FLDs to be organized –

3.2.1. CLUSTER FRONTLINE DEMONSTRATION ON OILSEEDS AND PULSES

Sl. No.	Crop	Thematic area	Technology for demo	Critical inputs	Season & year	Area (ha)	No. of Farmers / Demo.	Parameters identified
Kharif – 2023								
1	G.nut	Varietal Evaluation +Nutrient mgt.	HYV+ Nutrient Management+ Plant Protection Measures	Var- ICGV-&93468 (AVTAR) + Sulphur + Plant Protection Chemicals	<i>Kharif</i> 2023	10	25	Yield & C:B ratio
2	Sesame	Varietal Evaluation +Nutrient mgt.	HYV+Nutrient Management+ Plant Protection Measures	Var-Pragati/ Tarun/ RT 351 + Sulphur + Plant Protection Chemicals	<i>Kharif</i> 2023	10	25	Yield & C:B ratio
3	Urd	Varietal Evaluation + Nutrient mgt.	HYV+ Nutrient Management+ Plant Protection Measures	Var.- AU-2/ Shekhar/ Shikha Sulphur + Plant Protection Chemicals	<i>Kharif</i> 2023	20	50	Yield & C:B ratio
4	Moong	Varietal Evaluation + Nutrient mgt.	HYV+ Nutrient Management+ Plant Protection Measures	Var.- Virat/Samrat + Sulphur + Plant Protection Chemicals	<i>Kharif</i> 2023	20	50	Yield & C:B ratio
Rabi – 2023-24								
5	Mustard	Varietal Evaluation + Nutrient mgt.	HYV+ Nutrient Management+ Plant Protection Measures	Var-CS-60/58/ Peetambari Sulphur + Plant Protection Chemicals	<i>Rabi</i> 2023-24	50	125	Yield & C:B ratio
6	Chick pea	Varietal Evaluation + Nutrient mgt	HYV+ Nutrient Management+ Plant Protection Measures	Var- GNG1581/ Udai +Sulphur + Plant Protection Chemicals	<i>Rabi</i> 2023-24	20	50	Yield & C:B ratio
7	Lentil	Varietal Evaluation + Nutrient mgt	HYV+ Nutrient Management+ Plant Protection Measures	Var- KLS-218/PL 08 +Sulphur + Plant Protection Chemicals	<i>Rabi</i> 2023-24	20	50	Yield & C:B ratio
8	Pea	Varietal Evaluation + Nutrient mgt	HYV+ Nutrient Management+ Plant Protection Measures	Var- KMPR-522 +Sulphur + Plant Protection Chemicals	<i>Rabi</i> 2023-24	20	50	Yield & C:B ratio
Zaid – 2023								
9	Moong	Varietal Evaluation + Nutrient mgt	HYV+Nutrient Management + Plant Protection Measures	Var- Azad-2 +Sulphur + Plant Protection Chemicals	<i>Zaid</i> 2023	10	25	Yield & C:B ratio

10	Urd	Varietal Evaluation + Nutrient mgt	HYV+ Nutrient Management+ Plant Protection Measures	Var- Shikha +Sulphur + Plant Protection Chemicals	Zaid 2023	10	25	Yield & C:B ratio
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3.2.2 OTHER THAN OILSEEDS AND PULSES

SL. No.	Crop/ Variety	Thematic Area	Technology for demonstration	Critical Inputs	Seasons & Year	Area (ha)	No. of Farmers /demo.	Parameters identified / Profit/ Others
1.	Rice	RCT	Direct sowing of Rice through Drum Seeder	Seed & Fertilizer	Kharif 2023	4.0	10	Yield & C:B ratio
2.	Rice	IPM	Management of fals smut disease in rice.	Bio-pesticides / Pesticide <i>Pheromontrap.</i>	Kharif 2023	4.0	5	Yield & C:B ratio
3.	Rice	ICM	System of rice intensification (SRI)	Seed & FYM	Kharif 2023	2.0	5	Yield & C:B ratio
4.	Rice	Varietal	Cultivation of Scented Rice Var. PS-5	Seed & Fertilizer	Kharif 2023	2.0	5	Yield & C:B ratio
5.	Wheat	Varietal	Introduction of variety suitable for late sown condition	Seed of var. K-9533(Naina)/ K-9162(Gangotri)	Rabi 2023-24	4.0	10	Yield & C:B ratio
6.	Wheat	INM	Integrated nutrient management in Wheat	Seed of var. K-1008 (Sekhar New) & Biofertilizer	Rabi 2023-24	2.0	5	Yield & C:B ratio
7.	Wheat	ICM	Line sowing of wheat through seed drill	Seed of varK-9107 (Deva)	Rabi 2023-24	4.0	10	Yield & C:B ratio

3.2.3 HORTICULTURAL CROP

SL. No.	Crop/ Variety	Thematic Area	Technology for demonstration	Critical Inputs	Seasons & Year	Area (ha)	No. of Farmers /demo.	Parameters identified / Profit/ Others
1	Strawberry	INM	NPK 19:19:19 , 0:52: 34 and 0:0:60, Mulching,	Vareity- Winter Dawn , Mixed fertilisers	Rabi 2023-24	0.5	5	Yield & C:B ratio
2	Tomato	High yielding variety	Raised Bed and use of Shade net.	Hybrid- Arka Abhed	Rabi 2023-24	1.0	10	Yield & C:B ratio
3	Ashvgan dha	High yielding variety	Nutrient management and packaging	Cim-Pusthi	Kharif 2023	0.5	10	Yield & C:B ratio
4	Broccoli	INM	Foliar application of nutrients	Variety Pusa Broccoli 1	Rabi 2023-24	0.5	10	Yield & C:B ratio

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.	Sorgum/ Sudan	Green fodder production in kharif	Green fodder production	Seed	Kharif 2023	0.50	13	Yield of green fodder

2.	Barseem/ BB-3	Green fodder production in Rabi	Green fodder production	Seed	Rabi 2023-24	0.25	12	Yield of green fodder
3.	Lucerne/ NB -121	Green fodder production in Rabi	Green fodder production	Seed	Rabi 2023-24	0.25	05	Yield of green fodder
4.	Nappier grass	Green fodder production	Green fodder production	Rood Slip	Rabi / Kharif 2023-24	0.25	10	Yield of green fodder

3.2.5 HOME SCIENCE:

Sl. No.	Crop	Objective	Technology For demo.	Critical Inputs	Seasons & Year	Area (ha)	No. of Farmers /demo.	Para meters identified
1.	Kitchen Gardening- Vegetable	To demonstrate the performance of HYV in Kitchen Gardening- Vegetable	HYV of Vegetable	Var. + fertilizers	Rabi 2023-24	0.2	4	Yield & C:B ratio
2.	Lemon	To prepare of lemon squash	Lemon, chemical etc.	Lemon, chemical	Kharif-Rabi 2023-24	-	10	C:B ratio

Sponsored Demonstration

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

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	15	February	800
2	Farmers Training	10	January	300
3	Media coverage	16	March	-
4	Training for extension functionaries	5	February	100

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
-	-	-	-	-	-	-

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Vaccination n of HS and FMD disease	Jersey Haryana	40	400	HS disease vaccine	Occurrence of disease
Sorghum	HC-308	10	0.25	Seed	Green fodder production
Barseem	Vardan	10	0.25	Seed	Green fodder production
Napier grass	Root Slips	10	0.01	Root slips	Green fodder production
Deworming in goats	Barbary	20	200	Medicines	Observation of diarrhea

3.3. TRAININGS

A ON CAMPUS

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I. Crop Production								
Integrated cropping system	3	80	18	98	10	5	15	113
Seed production	3	80	15	95	30	15	45	140
Nursery management	2	50	15	65	9	6	15	80
Water management	3	60	15	75	18	22	40	115
II. Horticulture								
a) Vegetable Crops								
Prod. of low volume and high value crops	3	75	20	95	15	5	20	115
Nursery raising	3	130	20	150	18	10	28	178
Protected cultivation	2	70	10	80	7	5	12	92
b) Fruits								
Layout and management of orchard	3	80	10	90	20	10	30	120
III. Livestock Production and Management								
Dairy management	3	80	15	95	20	12	32	127
Disease management	2	55	10	65	12	8	20	85
Feed management	3	80	25	105	30	10	40	145
Production of quality animal products	1	20	-	20	5	-	5	25
IV. Home Science/Women empowerment								
Rural craft	2	-	70	70	-	20	20	90
Storage loss minimization techniques	2	-	35	35	-	15	15	50
Value addition	2	-	30	30	-	15	15	45
V. Plant Protection								
Integrated Pest Management	3	70	10	80	10	5	15	95
Integrated Disease Management	2	40	5	45	8	2	10	55
Bio control of pest and diseases	2	45	5	50	10	-	10	60
VI. Capacity Building and Group Dynamics/ Agril. Extn.								
Formation and management of SHGs	-	-	-	-	-	-	-	-
TOTAL(A)	37	860	308	1168	194	110	352	1520
(B) RURAL YOUTH								
Seed production	2	45	10	55	10	5	15	70
Training and pruning of orchard	2	70	15	85	15	5	20	105
Mushroom production	2	40	10	50	10	5	15	65
Poultry production	2	45	5	50	15	6	21	71
Sheep and goat rearing	2	40	15	50	12	8	20	70
Value addition	2	50	-	50	15	-	15	65
Employment generation	2	65	10	75	12	8	20	95
Income generation	1	20	2	22	6	2	8	30
TOTAL(B)	15	375	67	442	95	39	134	576
(C) Extension Personnel								
Productivity enhancement in field crops	2	50	-	50	12	2	14	64
Integrated Pest Management	2	70	10	80	10	2	12	92
Mushroom production	2	45	2	47	12	3	15	62
Rejuvenation of old orchard	2	40	15	50	6	4	10	60
Protected cultivation technology	1	25	-	25	6	2	8	33
Formation and management of SHGs	1	22	5	27	5	1	6	33
Information networking among farmers	2	45	6	51	5	2	7	58
Management in farm animals	2	75	-	75	15	2	17	92
Livestock feed and fodder production	2	80	-	80	10	5	15	95
Women and child care	2	45	5	50	10	2	12	62
TOTAL(C)	18	497	43	540	91	25	116	656
TOTAL(A+B+C)	70	1732	418	2150	380	174	602	2752

B. OFF CAMPUS

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I. Crop Production								
Integrated cropping system	2	30	5	35	10	5	15	50
Seed production	2	25	10	35	15	2	17	52
Nursery management	2	50	5	55	15	5	20	75
Water management	2	55	10	65	10	3	13	78
II. Horticulture								
a) Vegetable Crops								
Prod. of low volume and high value crops	2	30	10	40	15	7	21	61
Nursery raising	2	25	10	35	15	5	20	55
Protected cultivation	2	20	15	35	12	7	19	54
b) Fruits								
Layout and management of orchard	2	26	5	31	15	5	20	51
III. Livestock Production and Management								
Dairy management	2	45	15	60	12	5	17	77
Disease management	2	30	5	35	10	5	15	50
Feed management	2	25	15	40	10	5	15	55
Production of quality animal products	1	20	5	25	5	2	7	32
IV. Home Science/Women empowerment								
Rural craft	2	-	40	40	-	10	10	50
Storage loss minimization techniques	2	-	45	45	-	8	8	48
Value addition	2	-	42	42	-	10	10	52
V. Plant Protection								
Integrated Pest Management	3	70	10	80	10	5	15	95
Integrated Disease Management	2	40	5	45	8	2	10	55
Bio control of pest and diseases	1	20	5	25	5	-	5	30
TOTAL(A)	29	381	237	618	144	84	227	845
(B) RURAL YOUTH								
Seed production	1	30	3	33	8	5	13	46
Training and pruning of orchard	2	40	2	42	5	1	6	48
Mushroom production	1	20	5	25	5	-	5	30
Poultry production	1	22	5	27	3	1	4	31
Sheep and goat rearing	2	35	5	40	5	2	7	47
Value addition	1	22	2	24	6	-	6	30
Employment generation	1	40	5	45	5	2	7	52
Income generation	2	35	10	45	10	2	12	57
TOTAL(B)	11	244	37	281	47	13	60	341
(C) Extension Personnel								
Productivity enhancement in field crops	2	30	15	45	10	3	13	58
Integrated Pest Management	2	60	8	68	12	3	15	83
Mushroom production	1	22	5	27	3	1	4	31
Rejuvenation of old orchard	1	20	3	23	5	1	6	29
Protected cultivation technology	1	22	5	27	5	2	7	33
Formation and management of SHGs	2	35	-	35	10	5	15	50
Information networking among farmers	1	20	2	22	4	1	5	27
Management in farm animals	2	35	5	40	10	2	12	50
Livestock feed and fodder production	2	30	10	40	8	5	13	53
Women and child care	2	40	-	40	8	3	11	51
TOTAL(C)	16	314	53	367	75	26	101	468
TOTAL(A+B+C)	56	939	327	1266	266	123	388	1654

CONSOLIDATED TABLE (ON AND OFF CAMPUS)

hematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
(A) Farmers & Farm Women									
I. Crop Production									
Integrated cropping system	5	110	23	133	20	10	30	163	
Seed production	5	95	35	130	45	17	62	192	
Nursery management	4	100	20	120	24	11	35	155	
Water management	5	115	25	140	28	25	53	193	
II. Horticulture									
a) Vegetable Crops									
Prod. of low volume and high value crops	5	105	30	135	30	12	42	177	
Nursery raising	5	155	30	185	33	15	148	333	
Protected cultivation	4	90	25	115	19	12	31	146	
b) Fruits									
Layout and management of orchard	5	106	15	121	35	15	50	171	
III. Livestock Production and Management									
Dairy management	5	125	30	155	32	17	49	204	
Disease management	4	85	15	105	22	13	35	140	
Feed management	5	105	40	145	40	15	55	200	
Production of quality animal products	2	60	15	75	20	12	32	107	
IV. Home Science/Women empowerment									
Rural craft	4	-	110	110	-	30	30	140	
Storage loss minimization techniques	4	-	80	80	-	23	23	103	
Value addition	4	-	72	72	-	25	25	97	
V. Plant Protection									
Integrated Pest Management	6	150	20	170	20	5	25	195	
Integrated Disease Management	6	145	5	150	15	5	20	170	
Bio control of pest and diseases	3	50	5	55	15	5	20	75	
VI. Capacity Building and Group Dynamics/ Agril. Extn.									
Formation and management of SHGs	-	-	-	-	-	-	-	-	
Group dynamics	-	-	-	-	-	-	-	-	
Importance of planning of crops	-	-	-	-	-	-	-	-	
TOTAL(A)	64	1251	565	1821	348	252	700	2521	
(B) RURAL YOUTH									
Seed production	3	75	13	93	18	10	28	116	
Training and pruning of orchard	4	110	17	127	20	6	26	153	
Mushroom production	3	60	15	75	15	5	20	95	
Poultry production	3	75	20	95	17	10	27	117	
Sheep and goat rearing	4	75	20	95	17	10	27	117	
Value addition	3	72	2	74	21	-	21	95	
Employment generation	3	105	2	107	17	10	27	147	
Income generation	3	55	15	70	16	4	20	87	
TOTAL(B)	26	619	94	718	142	52	194	912	
(C) Extension Personnel									
Productivity enhancement in field crops	3	80	15	95	22	3	27	122	
Integrated Pest Management	3	130	18	148	22	3	27	175	
Mushroom production	2	67	7	74	15	2	19	93	
Rejuvenation of old orchard	3	60	18	78	11	3	16	89	
Protected cultivation technology	2	57	5	62	11	4	15	66	
Formation and management of SHGs	2	57	5	62	15	4	21	83	
Information networking among farmers	4	64	8	73	9	3	12	85	
Management in farm animals	3	110	5	65	25	4	29	142	
Livestock feed and fodder production	4	100	6	120	18	3	22	148	
Women and child care	4	85	8	90	10	3	23	116	
TOTAL(C)	30	810	192	1002	158	26	184	1186	
TOTAL(A+B+C)	120	2680	854	3534	648	333	981	4515	

3.4 Extension Activities (including activities of FLD Programmes)

Nature of Extension Activity	No. of Activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field day	10	350	20	370	30	0	30	380	20	400
Kissan Ghosthi	6	200	10	210	30	0	30	230	10	240
Kissan Mela	1	600	70	670	25	15	40	625	85	710
Film Show	2	180	20	200	10	0	10	190	20	210
Exhibition	2	190	25	115	40	15	55	230	40	270
Method Demonstration	0	0	0	0	0	0	0	0	0	0
Group Meeting	2	70	20	90	10	5	15	80	25	105
Newspaper Coverage	20	0	0	0	0	0	0	0	0	0
Radio Talks	5	0	0	0	0	0	0	0	0	0
TV Talks	4	0	0	0	0	0	0	0	0	0
Popular Articles	10	0	0	0	0	0	0	0	0	0
Advisor Services	6	250	50	300	10	0	10	260	50	310
Scientific visit to farmers field	16	700	60	760	20	0	20	720	60	780
Farmers visit to KVK	35	750	40	890	30	5	35	780	45	825
Self Help Group Conveners Meetings	4	140	30	170	10	0	10	150	30	180
Animal Health Camp	2	350	35	385	20	5	25	370	40	410
Total	125	3780	380	4160	235	45	280	4015	425	4440

3.5 Target for Production and supply of Technological Products (2023-24)

Seed Materials

Crop	Variety*	Qty Targeted (q)	Distributed to the farmers (Nos.)
Paddy	Pant-12	50	Seed sent to University
Wheat	DBW-17	100	Seed sent to University
Til	Pragati	10	Seed sent to University
Mustard	Pitambari	10	Seed sent to University
Urd	Shekhar-1	10	Seed sent to University
Gram	Avarodhi	10	Seed sent to University
Total		190	

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Distribution to the farmers (Nos.)
FRUITS	Papaya	Pusa Dwarf	600	40
	Aonla	Narendra Aonla-7	200	20
	Lemon	Kagji	200	20
	Beal	CISH B-1	100	10
	Guava	Lalit, Allahabad Sfeda	100	10
SPICES				
VEGETABLES				
	Tomato	NS-585, Arka Rakshak	5000	50
	Brinjal	T-3	4000	40
	Cauliflower	NS-133	2000	20
	Broccoli	Aria	1000	20
	Capsicum	US-1147	1000	20
	Chilli	Azad Chili-1	4000	40
FOREST SPECIES				
	Teak	-	2000	40
ORNAMENTAL CROPS	Rose	Kalkatiya	500	50
	Crotan	-	200	20
		Total	20900	400

Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO FERTILIZER				
1.	Vermi Compost	-	-	250
2.	Nadep Compost	-	-	250

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, Periodicity, number of copies to be published etc.)- Yet to be come

(B) Literature to be developed /published

S. No.	Topic	Number	No. of Journal/ Literature
1	Research Papers	1	1
2	Technical Reports	2	
3	News Letter	-	-
4	Training manual all discipline	1	1
5	Popular articles	3	3
6	Extension literature	8	8
	TOTAL	15	13

(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		

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

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
 - i) Social economic
 - ii) Bio-Physical
- f. Good Action Photographs

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

a) Lesson Plan

Rural Youth

a) Demonstration

In-service personnel

a) Lesson Plan

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT : PRA/Field level observations/ Farmer group discussions

For FLD : New variety/technology/ Poor yield at farmers level/ Existing cropping system.

3.10 Field activities

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

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1.Year of establishment : September 2021

2.List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	All equipment needed for soil lab	-	

3.Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	650	3500	12	-
Water	-	-	-	-
Plant	-	-	-	-
Total	650	3500	12	-

4. Linkages

4.1 Functional linkage with different organization

S.No.	Name of Organization	Nature of Linkages
1.	State Department of Agriculture	Joint Diagnostic Survey, Participation in meeting, Conduction training programme, joint Implementation
2.	Uttar Pradesh Sodic Land Development Corporation (UPLDC)	Participation in meeting., conducting training programme, joint Implementation
3.	State Department of Horticulture	Participation in meeting, Conducting training programme
4.	State Department of Forest	Participation in Van Mahotsava and environment day
5.	State Department of Animal Husbandry	Animal vaccination & artificial insemination camps
6.	Water Sector Restructuring Project (WSRP)	Participation in meeting, conducting training programme,
7.	District Rural Development Authority (DRDA)	Conducting Training Programme Contribution received for infra-structural development
8.	Kshetriya Gramya Vikas Sansthan	Participation in meeting, Conduction training Programme
9.	Jila Vigyan Club	Conducting training Programme
10.	Allahabad Bank	Conducting training Programme
11.	KRIBHKO/IFFCO/IFFDC	Participation in Training
12.	District cane department	Participation in Training
13.	Department of fisheries	Training and Exhibition

4.2.Details of linkage with ATMA

a. Is ATMA implemented in your district : Yes

S.No.	Programme	Nature of Linkages	Remark
1.	Training Programme	Participation in meeting, Conducting trailing programme of department horticulture, Agriculture, Animal Husbandry, Fisheries, Jial Vigyan Club, Allahabad Bank, KRIBHKO, IFFCO, CANE Department and Department of Forest.	-
2.	AES (Agro-Ecological Situation)	Irrigated	-
3.	Front line Demonstration (FLD)	Advised to farmers.	-

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Training Programmes	Training as expert
2	Farmers Fair	Lecture delivered

4.4 Nature of linkage with National Fisheries Development Board :

5.0 Utilization of Hostel facilities

Months	No. of Programmes	Trainee days (days stayed)
-	-	-

6.0 Convergence with departments : Good

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

8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities : Interactive and good.

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 (2021-22)

S. No.	Name of Programme	Detailed Technical Achievements	Physical (infrastructural achievement)
1	TSP Project	-	-
2	ARYA Project	-	-
3	CFLD-NFSM Project	-	-
	i. Kharif season	Target achieved in Til, Moong and Urd	-
	ii. Rabi season	-	
	iii. Summer season		
4	CSISA Project		
5	NICRA Project		
6	Soil Health Card		
7	Other (please specify)		
	Total		



भाकृअनुप – कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान

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