कार्य योजना
ACTION PLAN
2023

बाँदा कृषि एवं प्रौद्योगिकी विवि के कृषि विज्ञान केंद्र
KVKs OF BUA&T, Banda

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

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

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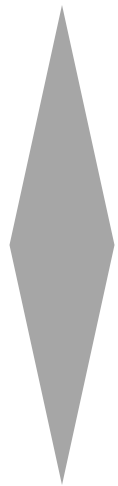

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Kanpur

CONTENTS

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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, Lakhaimpur Kheri, Hardoi, Sitapur, Gorakhpur, Prayagraj

KVKS AT A GLANCE

KVKs in Uttar Pradesh at a Glance

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

Host wise list of KVKs with their establishment year

S.N.	Name of the KVK	Year of establishment	S.No.	Name of the KVK	Year of establishment
	NDUA&T, Faizabad (25)				
1	Bahraich	1983	14	Chandauli	2005
2	Ballia	1989	15	Jaunpur-I	2005
3	Basti	1984	16	SantKabir Nagar	2009
4	Mau	1989	17	Ambedkar Nagar	2010
5	Varanasi	1989	18	Amethi	2018
6	Siddharthnagar	1992	19	Bahraich-II	2018
7	Faizabad	2004	20	Gonda-II	2018
8	Gorakhpur	2004	21	Sultanpur-II	2018
9	Maharajganj	2004	22	Jaunpur-II	2018
10	Sonbhadra	2004	23	Ghazipur-II	2018
11	Azamgarh-I	2004	24	Shravasti	2020
12	Barabanki	2004	25	Azamgarh-II	2021
13	Balrampur	2005			
	CSAUA&T, Kanpur (15)				
26	Raebareli	1984	33	Firozabad	2004
27	Fatehpur	1989	34	Lakhimpur Kheri	2005
28	Aligarh	1992	35	Farrukhabad	2005
29	Kannauj	2004	36	Hardoi-I	2005
30	Etawah	2004	37	Mahamaya Nagar	2009
31	Mainpuri	2004	38	Kasganj	2018
32	Kanpur Dehat	2004	39	Auraiya	2007
			40	Raebareli-II	2021
	BUAT, Banda (7)				
41	Jhansi	1984	45	Lalitpur	2005
42	Mahoba	2004	46	Banda	2007
43	Hamirpur	2005	47	Prayagraj-II	2021
44	Jalaun	2005			
	SVPUA&T, Meerut (20)				
48	Bijnor	1992	58	Moradabad-I	2005
49	Rampur	1992	59	Gautam Budha Nagar	2005
50	Badaun-I	1992	60	Bulandshahar	2004
51	Saharanpur	1992	61	Badaun-II	2018
52	Ghaziabad	1992	62	Sambhal	2018
53	Sahajahanpur	1994	63	Shamli	2018
54	Meerut	1994	64	Amroha	2018
55	Muzaffarnagar-I	1994	65	Hapur	2018
56	Pilibhit	1998	66	Muzaffarnagar-II	2019
57	Baghpat	2004	67	Moradabad-II	2020

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

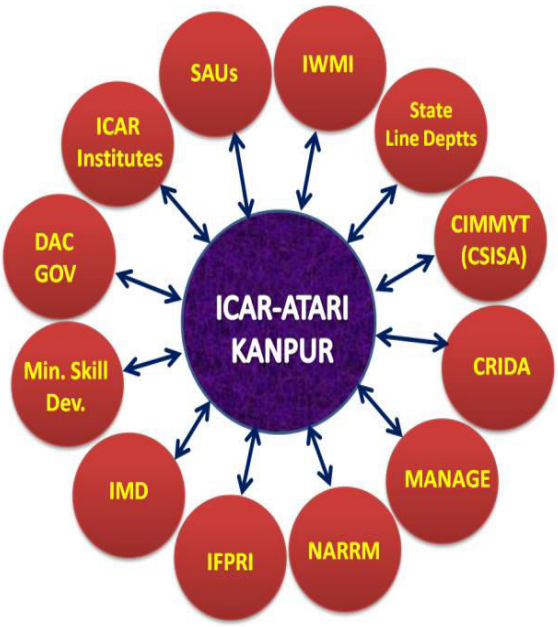
Projects and Special programmes

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

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

Functional Linkage with State, National & International Organizations

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



Summary Report of Action Plan 2023: BUAT

S.N.	Name of KVK	OFT		FLD		Training		Extension Activities		Seed Production in (Qtl.)	Planting Materials in (No.)	Live Stock (No.)		Fish seed prod. (Nos)	Soil Samples (No.)	Development of soil health cards(No.)	No. of Sampling Distribution
		No of OFTs	No of farmers	Area (ha)	No of Farmers	No of Courses	No of Participants	No of Activities	No of Participants			No of unit	No of Farmers				
1.	Jhansi	11	49	225	769	100	2124	200	20027	200	20000	0	0	0	0	0	0
2.	Mahoba	5	35	100	250	20	500	220	8000	500	10000	0	0	0	200	0	0
3.	Hamirpur	13	131	11	250	112	2271	370	9310	1234	20000	0	0	0	0	0	0
4.	Jalaun	10	30	28	266	100	2500	368	2722	200	20000	0	0	0	0	0	0
5.	Lalitpur	12	150	40	250	100	2500	200	6500	200	20000	0	0	2500	500	0	0
6.	Banda	12	110	37.6	195	99	2429	280	10479	200	20000	0	0	0	300	1200	0
7.	Prayagraj-2	9	38	84	874	100	2370	210	6985	310	20000	0	0	0	1000	0	0
	Total	72	543	525.6	2854	631	14694	1848	64023	2844	130000	0	0	2500	2000	1200	0

ANNUAL ACTION PLAN

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krshi Vigyan Kendra, Bharari, Jhansi	-	-	kvkjhansi@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Vice Chancellor, Banda Univ. of Agric. & Tech., Banda	-	(05192) 232305	vc.buat@gmail.com

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Nishi Roy	-	9415587899	kvkjhansi@gmail.com

1.4. Year of sanction: 1984

Staff Position on (30th Sept.2022)

	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Programme Coordinator /Assoc. Prof.	Dr Nishi Roy	Head/Professor	Home Science	144200-218200 (205600)	1992	Permanent	General
2	Subject Matter Specialist	Vacant	SMS (Agri. Ext.)	-	-	-	-	-
3	Subject Matter Specialist	Dr. Atik Ahmad	SMS (S.C.)	Soil Science	56100-177500 (63100)	21-12-2017	Permanent	OBC
4	Subject Matter Specialist	Dr. Adesh Kumar	SMS (PP)	Plant protection	56100-177500 (63100)	12-12-2017	Permanent	OBC
5	Subject Matter Specialist	Dr Arpan Upadhay	SMS (Ani .Sci.)	Animal Science	56100-177500 (63100)	11-12-2017	Permanent	Gen.
6	Subject Matter Specialist	Dr Vimal Raj Yadav	SMS (Agro)	Agronomy	56100-177500 (63100)	15-12-2017	Permanent	OBC
7	Subject Matter Specialist	Vacant	SMS (Hort..)	-	-	-	-	-
8	Programme Assistant	Vacant	Programme Assistant	-	-	-	-	-
9	Computer Programmer/ Programme Assistant	Sri A.K. Solanki	Programme Assistant / Computer Programmer	Computer & Soil & Water Conservation	47600-151100 (70000)	22-09-2001	Permanent	OBC
10	Farm Manager	Miss Richa Vishwakarma	Farm Manager	Agriculture	35400-112400 (39900)	28-12-2017	Permanent	OBC
11	Assistant	Sri Gaurav Kumar	Assistant	-	35400-112400 (39900)	2017	Permanent	SC
12	Jr. Stenographer / Comp. Operator	Sri Ram Kishor	Com. Opre. /Jr. Steno.	Computer	29200-92300 (46800)	2003	Permanent	SC
13	Driver	Moh. Safeek	Jeep Driver	--	25500-81100 (35300)	2005	Permanent	OBC
14	Driver	Sri Lakhendra	Tractor Driver	--	35400-112400 (49000)	1992	Permanent	OBC
15	Supporting staff	Vacant	Attendant	--	-	-	-	-
16	Supporting staff	Sri Bhajju	Attendant	--	18000-56900 (27200)	2008	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	17.0
4.	Orchard/Agro-forestry	0.75
5.	Others (specify)	0.25
Total		**20.0**

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	Yes	324.00				
2.	Farmers Hostel	ICAR						
3.	Staff Quarters (6)	ICAR	Under construction					
4.	Demonstration Units (2)	ICAR						
5	Fencing	ICAR	No					
6	Rain Water harvesting system	ICAR	No					
7	Threshing floor	ICAR	Yes					
8	Farm godown	ICAR	Yes					

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor (Power Track)	2009	350000	-	Working
Motor Cycle 2	1983	20000	50000	Not working , replaceable
Bolero(Jeep)	2007	500000	122456	working

C) Equipments& AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Inverter	2005	10000	Working
Cultivator	1987	10000	Non Working
Disc Harrow	1990	15000	Non Working
Zero Seed Drill	2001	16000	Non Working
Trolley	-	-	Not Available
Rotavator	-	-	Not available
Stabilizer	-	-	Not available
Xerox Machine	1998	50000	Non working
Computer	2011	31000	Working (Outdated)
Laser Printer	2011	19000	Working (Need replacement)
Inkjet Printer (Scanner)	2004	9500	Working
UPS	1998	2500	Working
VCR	1990	4500	Non Working
Sound System	1990	10000	Non Working
Camera	1987	-	Working
TV	1998	-	Working
Digital Camera	2003	18000	Working
VCD/DVD Player	2003	4500	Working
Slide Projector	1998	-	Working
OHP	1998	-	Working
LCD Projector	2007	100000	Working
Inverter Microtek	2017	4915	Working
Computer 03	2017	131448	Working
Laptop 01	2017	75134	Working
Printer 01	2017	37427	Working
K-yan Projector	2017	177646	Working
Battery 01	2017	15620	Working
Air Conditioner 01	2017	59419	Working
Hard Disk	2017	6319	Working
UPS 01	2017	2527	Working
Video Camera	2017	79082	Working
LCD Projector	2017	44411	Working
TV	2017	85576	Working

1.8.(A). Details of SAC meeting* conducted in the year

Sl.No.	*Date*
1	4.9.2023

2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1.	AES – 1 (Rakar irrigated/ rainfed) important farming systems are: Groundnut - Wheat + few plants of local guava + cow / buffalo (3 - 4) is the farming system popular with resource rich farmers and groundnut - wheat/gram/linseed + cow (local 6 - 8 animals) is The farming system popular with resource poor farmers.
2.	AES - 2 (Parwa irrigated / rain fed) the farming systems are: groundnut - wheat / brinjal + goat / buffalo (3 - 4) animals with resource rich farmers and groundnut - wheat + cow / goat (6 - 8) animals with resource poor Farmers.
3.	AES - 3 (Kabar irrigated / rainfed) Resource rich farmers follow soybean / paddy - wheat / pea + cow / graded buffalo (3 - 4) and resource poor farmers follow paddy – Wheat / gram + cow (6 - 8) farming system.
4.	AES - 4 (Mar irrigated / rainfed) Resource rich farmers follow - soybean / urd - mustard / gram + cow / graded buffalo and resource poor farmers follow paddy-mustard + gram + cow / graded buffalo / goat (6 - 8) animals farming system.
5.	AES - 5 (Totally rainfed) The farmers with or without resources keep their land fallow in kharif and cultivate wheat / gram / linseed / lentil in rabi. They mostly rear goat and sheep but do not have options for horticulture. Most of them earn from wages.

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

S. No	Agro-climatic Zone	Characteristics
1.	AES – 1	Raker irrigated / rainfed
2.	AES - 2	Parwa irrigated / rainfed
3.	AES – 3	Kabar irrigated / rainfed
4.	AES – 4	Mar irrigated / rainfed
5.	AES – 5	Totally rainfed

SWOT Analysis of each Agro-Ecological Situations of Jhansi district
AES-I (Red Soils Rainfed)

Strength	Weakness	Opportunities	Threats
• Light soil well drained due to slope • More forest area is available • Most of the area is surrounded by city and town • Possibilities of natural water harvesting in gullies, nalas and reservoir is more	• Water holding capacity is very low • Nutritional status of soil is very low • Sever soil erosion in rainy season • Soil depth is very low • Irrigation water is very less. • Land holding is very small • Grazing / browsing of crops by stray cattle/goats.	• Possibilities of plantation of aonla, citrus and ber are more on these soils • Possibilities of Agri-Silvi-pastoral system. • Possibilities of growing sesamum, urd and groundnut is more on these soils. • Opportunities of watershed programme is very much through people participation • Possibilities of organic farming and production • Conservation farming through bench terraces on highly sloping areas is best opportunity of these soils. • Possibilities of animal based farming like improved goat, sheep breed in grassland with agro-forestry system	• Variation of climate • Population pressure • Poverty level • Soil health

AES-II (Red Soils Irrigated)

Strength	Weakness	Opportunities	Threats
• Light soil well drained due to slope • More forest area is available • Most of the area is surrounded by city and town • Possibilities of natural water harvesting in gullies, nalas and reservoir is more • Irrigation water is available	• Water holding capacity is very low • Nutritional status of soil is very low • Sever soil erosion in rainy season • Soil depth is very low • Irrigation water is very less. • Land holding is very small • Grazing / browsing of crops by stray cattle/goats.	• Possibilities of vegetable cultivation, medicinal plants, fruits, MPTS for fuel, fodder and livelihood • Possibilities of plantation of aonla, citrus and ber are more on these soils • Possibilities of Agri-Silvi-pastoral system. • Possibilities of growing sesamum, urd and groundnut in kharif and chickpea, durum wheat, linseed and mustrd crop in rabi season is more on these soils with irrigation facilities. • Possibilities of fodder, legume, grass production for good animal husbandry projects. • Opportunities of watershed programme is very much through people participation • Possibilities of organic farming and production • Runoff farming on conservation farming through bench terraces on highly sloping areas is best opportunity of these soils. • Possibilities of animal based farming like improved goat, sheep breed in grassland with agro-forestry system	• Variation of climate • Population pressure • Poverty level • Soil health • Marketing

AES-III (Black/Yellow Soils Rainfed)

Strength	Weakness	Opportunities	Threats
• Light soil well drained due to slope • Possibilities of natural water harvesting in gullies, nalas and reservoir is more • Big land holding is present	• Water holding capacity is very low • Nutritional status of soil is very low • Sever soil erosion in rainy season • Groundwater is very deep • Irrigation facilities are not available • Forest plant density is very poor • Field size are very big without bunding • Grazing/browsing of crops by stray cattle/goat	• Possibilities of vegetable cultivation, medicinal plants, fruits, MPTS for fuel, fodder and livelihood • Possibilities of plantation of aonla, citrus and ber are more on these soils • Possibilities of Agri-Silvi-pastoral system. • Possibilities of growing sesamum, urd and groundnut in kharif and chickpea, durum wheat, linseed and mustrd crop in rabi season is more on these soils with irrigation facilities. • Possibilities of fodder, legume, grass production for good animal husbandry projects. • Opportunities of watershed programme is very much through people participation • Possibilities of organic farming and production • Runoff farming on conservation farming through bench terraces on highly sloping areas is best opportunity of these soils. • Possibilities of animal based farming like improved goat, sheep breed in grassland with agro-forestry system • Possibilities of cottage industries like Dona/pattal, Daliya etc.	• Variation of climate • Population pressure • Poverty level • Annapratha • Undulating land • Soil health • Marketing

AES-IV (Black/Yellow Soils Irrigated (Canal)

Strength	Weakness	Opportunities	Threats
• Plant area with fertile land • Irrigation water is available by canal system • Resource rich farming community	• Drainage problem • Field size is very large without bunding • Rill and sheet erosion in rainy season going to be problem for the area. • Trees population is fields • Grazing/browsing of crops by stray cattle/goat	• Possibilities of vegetable cultivation and other crops like wheat, sugarcane and paddy • Possibilities of high yielding varieties and hybrid of different vegetable and crops like wheat, paddy, pea • chickpea etc. • Possibilities of good milk projects. • Possibilities of animal based farming like improved goat, sheep breed in grassland with agro-forestry system • Possibilities of food preservation units' vegetable during pickle etc.	• Variation of climate • Population pressure • Annapratha • Undulating land • Soil health • Marketing

2.3 Land Use Pattern

Particulars	Area "000 ha"
Total Geographical area	501.32
Forest	34.49
Waste Land	16.179
Other than cultivated area	44.49
Cultivable waste and alkaline land	32.045
Pastures	0.68
Bushes	1.56
Current Fallow	21.972
Other Fallow	8.056
Agricultural Land	370.51
Area Sown	565.397
Kharif	212.17
Rabi	349.91
Zaid	3.315
Cropping Intensity	163.73

2.4 Irrigated Area with Different Sources:

S.No.	Description	Area (ha)
1	Canal	121.078
2	Well	113.491
3	Tube well	36.7
4	Ponds	35.249
5	Others	2.988

2.5 Soil types

S. No	Soil type	Characteristics	Area in ha (000)
1	Rakar	Coarse & gravelly texture, reddish to brownish in colour. Depth varies from few inches to about two feet with parent rock. The productivity of soil is poor.	56.687 (13.68)*
2	Parwa	Loam to sandy in texture. Colour varies gray to brownish and deep red to reddish gray. Medium depth (40-75cm). These soils are although poor in organic matter but quite productive.	161.643 (53.35)
3	Kabar	Coarse grained in texture. & black in colour. These soils are deep & parent rock lies at greater depth. These soils retain sufficient moisture, which on drying cracks & small fissure develop.	46.89 (13.68)
4	Mar	Soils are black in colour, fine texture & considerable deep. These	77.77 (18.24)

		soils are prone to great extent of swelling and contracting during wet & period. Poor physical conditions due to their peculiar characteristics & behavior towards moisture.	

- Figure. In parenthesis denotes the percentage of total area.

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

S. No	Crop	Area (ha)	Production (Qt.)	Productivity (Q /ha)
1.	Wheat	149640	394006	26.33
2	Barley	5091	12289	24.14
3.	Gram	29135	29399	10.09
4.	Pea	30394	37962	12.49
5.	Lentil	25957	21570	8.31
6.	Mustard	9717	8181	8.42
7.	Linseed	658	396	6.02
8.	Maize	1255	501	3.99
9.	Jowar	799	787	9.85
10	Urd	48255	3426	0.71
11	Moong	5711	388	0.68
12	Til	107171	3429	0.32
13	Groundnut	20262	16736	8.1
14	Rice	8485	20076	23.66
15	Soybean	787	65	0.83

2.7. Weather data Jan, 2022- Sep, 2022)

Month / Year	Rainfall (m.m.)	Temperature (^{0} C)	
		Maximum	Minimum
Jan, 22	0	25	6
Feb, 22	0	28	9
Mar, 22	0	35	17
Apr, 22	41.0	21	41
May, 22	43.2	23.3	43.2
Jun, 22	59.6	40	20
July, 2022	289.5	38	18
Aug., 2022	216.1	35	18
Sept., 2022	328.4	37	25

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

Category	Population	Production	Productivity
Cattle			
Crossbred/ Indigenous	3,11,801	56,944 MT.	1.99 kg
Buffalo	1,87,387	70,547 MT.	3.23 kg
Sheep			
Crossbred/ Indigenous	0,54,116	55,974 MT wool	0.96 kg
Goats	2,18,818	18,182 MT	0.66 kg
Pigs *Crossbred/ Indigenous*	0,14,004	---	---
Rabbits			
Poultry			
Hens	1,87,146	65,051 Lakh eggs	149.4 eggs/ bird/yr
Turkey and others			
Category	**Area**	**Production**	**Productivity**
Fish	13000 (ha)	672Q/ month	16.66 Q/ ha.

2.9 Details of Operational area / Villages (2020-21)

Sl.No.	Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Jhansi	Babina	Dikholi, Punavli kalan, Bajna Simiriya	Groundnut, Wheat Sesame	Low productivity	Dry farming an integrated approach Use of Bio-agents & Organic farming, Animal health & care, Value Addition, Post Harvest Management
2.	Jhansi	Babina	Bajna, Baroda, Raksha Hasari Chamraua, Dhikauli Kanchanpur	Wheat, G.nut , Urd Papaya &Vermi culture, Cattle & Goat	Low productivity	Dry farming an integrated approach, Soil fertility improvement, IPM Use of Bio-agents & Organic farming .
3.	Jhansi	Baragaon	Garhmau, Padri/Rampura / Birguan / Gandhi nagar / Mawai Gird / Ishagarh Bhojla, Behta, Budha, Ambabai Lakara, Kesavpur Baruasagar Gopalpura	Wheat, Til, Maize Vegetables & Cattle	Low productivity	Use of Bio-agents & Organic farming Watershed management Vegetable production, Orchard & Agro-forestry Animal health & care
4.	Moth	Chirgaon	Siya, Pawai, PahariBujurg, Pipara, Jariyai	Gram, Lentil, Pea Green manuring	Low productivity	Use of Bio-agents & Organic farming Watershed management
5.	Mauranipur	Mauranipur	Bhadarwara Churara	Durum Wheat, Gram, Linseed Sorghum, Cattle &Goat	Low productivity	Dry farming an integrated approach Value addition Goat farming, Animal health & care
6.	Garautha	Gursarai	Pasara, Todi Fatehpur	Wheat, Gram, Linseed Sorghum, Cattle & Goat	Low productivity	Dry farming an integrated approach Value addition Goat farming, Animal health & care
7	Moth	Moth	Kayala, Dibiyapur Pawai	Mustard	Low Productivity	Dry farming an integrated approach Value addition Goat farming, Animal health & care

2.9.1 Priority / Thrust areas

1.	Improved varieties, integrated nutrient management and weed management, integrated crop management, soil fertility improvement and cropping system.
2.	Vegetable production, orchard and agro-forestry
3.	Soil and water conservation, watershed management, Climate change
4.	Goat farming
5.	Use of bio-agents, integrated pest management & organic farming
6.	Value addition, rural craft and post harvesting technology
7.	Animal health and care (vaccination, de-worming and feeding)
8.	Agro-forestry and green fodder management
9.	Off-season and protected vegetable cultivation
10.	Dry farming an integrated approach
11.	Improvement of existing breed of animals
12.	Entreprenunership development
13.	Post Harvest Technology

3. TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

OFT		FLD and CFLD	
1		2	
Number of OFTs	Number of Farmers	Number of FLDs	Number of Farmers
11	49	18	769

Training		Extension Activities	
3		4	
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2124	200	20027

Seed Production (Qtl.)	Planting material (Nos.)
200	20000

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	Urd	Low yield du use of local/p yielding varie	Evaluation of improved/high yielding variety of Urd	-	-	-	Field day Literature	Use of improved variety IPU 13-1
2	INM	Groundnut	Imbalance nutrient manageme nt in	Assessment of sulphar application in groundnut	-	Nutrient manage ment		Field day Literature	Sulphar
3	INM	Chickpea	Imbalance nutrient manageme nt in Black gram	*Rhizobium*, PSB @ 10gm/kg seed and soil treatment with *Trichoderma* @ 5kg/ ha and foliar spray of micronutrients	-	Nutrient manage ment		Field day Literature	Bio-agents and micro nutrients
4	Varietal evalution	Wheat	Low yield du use of local/p yielding varie	Evaluation of improved/high yielding variety of wheat	-	-	-	Field day Literature	Use of improved variety Karan Vandana
5	IPM	**Brinjal**	Yield loss due to Fruit and Shoot borer of Brinjal	Assessment of IPM module tools to control of fruit and shoot borer of Brinjal	-	-	-	Field day Literature	Pheromone Trap@12/acre Water Trap@6/acre Solar Light Trap@1/acre Neem oil spray@4% Spray of Chlorantraniliprole (10%) + Lambdacyhalothrin (5%) Zc @0.1%

6	IPM	**Okra**	Yield loss due to Yellow vein mosaic disease and fruit borer pest	Assessment of IPM module tools to control of Yellow vein mosaic disease and fruit borer	-	-	-	Field day Literature	Pheromone Trap@12/acre Yellow/Blue sticky sheet @16/acre Solar Light Trap@1/acre Neem oil spray@4% Spray of Chlorantraniliprole (10%) + Lambdacyhalothrin (5%) Zc Imidacloprid @0.05%
7	IDM	**Blackgram**	Low yield due to Foliar fungal diseases of blackgram	Assessment of fungicide for management of foliar fungal diseases (Anthracnose and Cercospora leaf spot) of blackgram	-	IDM in black gram	-	Field day Literature	Spray of Propiconazole fungicide@ 1 ml/lit
8	IDM	Chickpea	Yield loss due to Insect pest (pod borer) and disease (wilt) in chickpea	Assessment of IPM module tools to control of insect and diseases in chickpea crop	-	IDM in chickpea	-	Field day Literature	Tebuconazole@2gram/kg
9	IDM	Cucumber	Yield loss due to Insect pest and disease in Cucumber	Assessment of IPM module tools to control of cucumber pest	-	-	-	Field day Literature	Tebuconazole
10	Nutrition management	Buffalo	Nutritional imbalance in ration of buffaloes	Assessment of feeding of bypass fat on production and fertility in buffaloes	-	Nutrition management in dairy animals	-	-	Bypass fat
11	Poultry production	**Poultry**	Poor growth rate of birds	Effect of supplementation of Moringa oleifera leaf powderon growth performance of broilers	--	Nutrition management in poultry	-	-	moringa powder

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**
Integrated Nutrient Management	-	1	1	-	-	-	-	-	-	**2**
Integrated Pest Management	-	-	2	-	2	-	-	-	-	**4**
Integrated Disease Management	-	-	-	-	1	-	-	-	-	**1**
TOTAL	1	2	4	-	3	-	-	-	-	**9**

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
TOTAL	**-**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Nutrition Management	-	1	-	-	-	-	-	**1**
Production and Management	1	-	-	-	-	-	-	**1**
TOTAL	2	-	-	-	-	-	-	**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
TOTAL	-	-	-	-	-	-	-	-

Details of On Farm Trial (OFT)

1. OFT-1

Crop / Enterprise	Urd	
Title of on farm trial	Evaluation of improved/high yielding variety of Urd	
Problem diagnosed	Low yield due to use of local/poor yielding variety	
Farmers' Practices	Use of local/poor yielding variety of urd	
Details of technologies selected for assessment/refinement	T_1	Farmer practices (use of local/poor yielding variety)
	T_2	Use of improved variety IPU 13-1
Source of technology	IIPR, Kanpur	
Plot size	1.0 ha	
No. of farmers	05	
Total cost	Rs. 2500/-	
Critical input	Seed	
Performance indicators: (i) Technical (ii) Economic (iii) Social	yield (q/ ha) Cost of cultivation (Rs./ha), Net Return (Rs./ha), Gross Return (Rs./ha), Benefit: cost ratio Farmers Acceptability	

Details of On Farm Trial (OFT)

2. OFT-2

Crop / Enterprise	Wheat	
Title of on farm trial	Evaluation of improved/high yielding variety of wheat	
Problem diagnosed	Low yield due to use of local/poor yielding variety	
Farmers' Practices	Use of local/poor yielding variety of wheat	
Details of technologies selected for assessment/refinement	T_1	Farmer practices (use of local/poor yielding variety)
	T_2	Use of improved variety Karan Vandana
Source of technology	IIWBR, Karnal	
Plot size	1.0 ha	
No. of farmers	05	
Total cost	Rs. 4500/-	
Critical input	Seed	
Performance indicators: (i) Technical (ii) Economic (iii) Social	yield (q/ ha) Cost of cultivation (Rs./ha), Net Return (Rs./ha), Gross Return (Rs./ha), Benefit: cost ratio Farmers Acceptability	

Details of On Farm Trial (OFT)

OFT-03

Crop/Enterprise	**Sesame**	
Title of On-farm trial	Integrated Nutrient Management in sesamum for Improved production and soil health management	
Problem diagnose	Poor soil fertility	
Farming situation	Rainfed	
Production system and thematic area	Soil health management	
Details of technologies selected for assessment/refinement	T1: Farmer practice- Normal FYM T2: 2 percent nano urea spray and Zinc sulphate 25 kg /ha	
No. of farmers	05	
Critical input	Seed, Nano urea, zinc sulphate	
Performance indicator	Technical	a. Growth Parameters, soil testing Yield q/ha
	Economic	a. Net Return b. Cost Benefit Ratio
	Social	Farmers acceptance and Feedback

Details of On Farm Trial (OFT)

OFT-4

Crop/Enterprise	Field pea	
Title of On-farm trial	Integrated Nutrient Management in field pea for Improved production and Soil health management	
Problem diagnose	Poor soil fertility	
Farming situation	Irrigated	
Production system and thematic area	Soil health management	
Details of technologies selected for assessment/refinement	T1: Farmer practice- Normal FYM T2: 10t FYM Treated with Halo PSB and *Rhizobium* culture +75% NPK STBR	
Source of Technology	CSSRI (RRS), Lucknow	
No. of farmers	05	
Critical input	Halo *PSB* and *Rhizobium* culture	
Performance indicator	Technical	a. Soil microbial analysis and soil analysis , Growth Parameters c. %Yield d. Yield q/ha
	Economic	a. Net Return b. Cost Benefit Ratio
	Social	Farmers acceptance and Feedback

Details of On Farm Trial (OFT)

OFT -5

1	Crop/Enterprise	: Buffaloes
2	Title of on-farm trial	: Assessment of feeding of bypass fat on production and fertility in buffaloes
3	Problem diagnosed	: Nutritional imbalance in ration of buffaloes
4	Farming situation	: Mixed Farming System
5	Production system and thematic area	: Feed management
6	Farmers' practices	: Imbalanced ration feeding to animals
7	Details of technologies selected for assessment/refinement Treatments	: T_1 : Farmer practice (Imbalanced ration feeding) : T_2 : Farmer practice + Bypass fat (50 g two tomes a day)
8	Source of technology	IVRI, Bareilly
9	No. of animals	05 (for three months)
10	No. of farmers	: 04 (for three months)
11	Critical input	: Bypass fat
12	Performance indicators Observation to be recorded	Daily Milk yield (L) Estrous cycle regularity Economics : B: C ratio Social: Farmers reaction & Feedback
13	Cost of input	1600.0
14	Total cost	Rs. 6400.0

OFT-6

1.	**Crop/Enterprise**	: **Poultry**
2.	**Title of on-farm trial**	: Effect of supplementation of Moringa oleifera leaf powderon growth performance of broilers
3.	**Problem diagnosed**	: Poor growth rate of birds
4.	**Farming situation**	: Irrigated
5.	**Production system and thematic area**	: Nutrition management
7.	**Details of technologies selected for assessment/refinement Treatments**	: T_1 Farmer practices (Basal diet) : T_2 Basal diet + 0.2 % moringa powder
8.	**Source of technology**	: DPR, Hyderabad
9.	**No. of farmers**	: 05
10	**Critical input**	: Moringa powder.
11.	**Performance indicators Observation to e recorded**	Weekly body weight
12.	**No. of birds**	: 200
13	**Total cost**	: Rs. 2000

OFT 7

1.	**Crop/Enterprise**	:**Brinjal**
2.	**Title of on-farm trial**	: Assessment of IPM module tools to control of fruit and shoot borer of Brinjal
3.	**Problem diagnosed**	: Yield loss due to Fruit and Shoot borer of Brinjal
4.	**Farming situation**	: Irrigated
5.	**Production system and thematic area**	: IPM
6.	**Farmers' practices**	: Not follow IPM methods
7.	**/p[Details of technologies selected for assessment/refinement** **Treatments**	: T_1 Farmer practices : T_2 • Pheromone Trap@12/acre • Water Trap@6/acre • Solar Light Trap@1/acre • Neem oil spray@4% • Spray of Chlorantraniliprole (10%) + Lambdacyhalothrin (5%) Zc @0.1%
8.	**Source of technology**	: ICAR-NCIPM, New Delhi India
9.	**No. of farmers**	: 04
10	**Critical input**	: Pheromone trap, water trap, solar trap, neem oil and insecticide
11.	**Performance indicators** **Observation to e recorded**	1) Trapped adults with different trap 2) Fruit infestation % 3) Yield q/ha 4) Social: Farmers reaction & Feedback
12.	**Area**	: 0.40 ha
13	**Cost of input**	: Rs. 4000
14	**Total cost**	: Rs. 16000

OFT8

1.	**Crop/Enterprise**	: **Okra**
2.	**Title of on-farm trial**	: Assessment of IPM module tools to control of Yellow vein mosaic disease and fruit borer
3.	**Problem diagnosed**	: Yield loss due to Yellow vein mosaic disease and fruit borer pest
4.	**Farming situation**	: Irrigated
5.	**Production system and thematic area**	: IPM
6.	**Farmers' practices**	: Not follow IPM methods
7.	**Details of technologies selected for assessment/refinement** **Treatments**	: T_1 Farmer practices : T_2 • Pheromone Trap@12/acre • Yellow/Blue sticky sheet @16/acre • Solar Light Trap@1/acre • Neem oil spray@4% • Spray of Chlorantraniliprole (10%) + Lambdacyhalothrin (5%) Zc • Imidacloprid@0.05%
8.	**Source of technology**	: ICAR-NCIPM, New Delhi India
9.	**No. of farmers**	: 03
10	**Critical input**	: Pheromone trap, water trap, solar trap, neem oil and insecticide
11.	**Performance indicators** **Observation to e recorded**	• Disease incidence % • Trapped adults with different trap • Fruit infestation % • Yield q/ha • Social: Farmers reaction & Feedback
12.	**Area**	: 0.40 ha
13	**Cost of input**	: Rs. 4000
14	**Total cost**	: Rs. 12000

OFT 9

1.	**Crop/Enterprise**	: **Blackgram**
2.	**Title of on-farm trial**	: Assessment of fungicide for management of foliar fungal diseases (Anthracnose and Cercospora leaf spot) of blackgram
3.	**Problem diagnosed**	: Low yield due to Foliar fungal diseases of blackgram
4.	**Farming situation**	: Rainfed
5.	**Production system and thematic area**	: IDM
6.	**Farmers' practices**	: No spray of any chemical
7.	**Details of technologies selected for assessment/refinement Treatments**	: T_1 No spray of any chemical : T_2 Spray of Propiconazole fungicide@ 1 ml/lit
8.	**Source of technology**	: NCIPM, Delhi
9.	**No. of farmers**	: 04
10	**Critical input**	: Fungicide
11.	**Performance indicators Observation to e recorded**	1) Disease incidence % 2) Yield q/ha 3) Social: Farmers reaction & Feedback
12.	**Area**	: 0.4 ha
13	**Cost of input**	: Rs. 1000
14	**Total cost**	: Rs. 4000

OFT 10

1.	**Crop/Enterprise**	: **Chickpea**
2.	**Title of on-farm trial**	: Assessment of IPM module tools to control of insect and diseases in chickpea crop
3.	**Problem diagnosed**	: Yield loss due to Insect pest (pod borer) and disease (wilt) in chickpea
4.	**Farming situation**	: Irrigated
5.	**Production system and thematic area**	: IPM/IDM
6.	**Farmers' practices**	: Not follow IPM methods
7.	**Details of technologies selected for assessment/refinement Treatments**	: T_1 Farmer practices : T_2 • Seed treatment withTebuconazole@2gram/kg seed • Soil application of Trichoderma@5kg /acre with 5q compost manure • Pheromone Trap@12/acre • Solar Light Trap@1/ha • Neem oil spray@4%
8.	**Source of technology**	: ICAR-NCIPM, New Delhi India
9.	**No. of farmers**	: 04
10	**Critical input**	: Trichoderma formulation, Tebuconazole fungicide Pheromone trap, solar trap, neem oil.
11.	**Performance indicators Observation to e recorded**	• Disease Incidence % • Trapped adults with different trap • Pod infestation % • Yield q/ha • Social: Farmers reaction & Feedback
12.	**Area**	: 0.40 ha
13	**Cost of input**	: Rs. 3500
14	**Total cost**	: Rs. 14000

OFT 11

1.	**Crop/Enterprise**	: **Cucumber**
2.	**Title of on-farm trial**	: Assessment of IPM module tools to control of cucumber pest
3.	**Problem diagnosed**	: Yield loss due to Insect pest and disease in Cucumber
4.	**Farming situation**	: Irrigated
5.	**Production system and thematic area**	: IPM/IDM
6.	**Farmers' practices**	: Not follow IPM methods
7.	**Details of technologies selected for assessment/refinement** **Treatments**	: T_1 Farmer practices : T_2 • Seed treatment withTebuconazole@2gram/kg seed • Soil application of Trichoderma@5kg /acre with 5q compost manure • Fruit fly trap@12/acre • Yellow sticky sheet • Neem oil spray@4% • Metalyxl+Mancozeb fungicide @0.25% • Azoxystrobin+Tebuconazole@0.1%
8.	**Source of technology**	: ICAR-NCIPM, New Delhi India
9.	**No. of farmers**	: 04
10	**Critical input**	: Trichoderma formulation, Tebuconazole fungicide Fruit fly trap, neem oil, yellow stiky sheet and fungicides for foliar application
11.	**Performance indicators Observation to e recorded**	• Disease Incidence and severity % • Trapped adults with different trap • fruit infestation % • Yield q/ha • Social: Farmers reaction & Feedback
12.	**Area**	: 0.40 ha
13	**Cost of input**	: Rs. 2500
14	**Total cost**	: Rs. 10000

3.2 Frontline Demonstrations

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

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers / demonstration	Parameters identified
1.	Sesame	Weed Management	Quizalofop ethyl	Weedicide	Kharif 2023	4.0	10	Yield, % increase in yield C:B ratio
2.	Field pea	Weed Management	Metribuzin	Weedicide	Rabi 2023-24	4.0	10	Yield, % increase in yield C:B ratio
3.	Cauliflower	Varietal Evaluation	Kashi Gobhi – 25	Seedlings	Rabi	1.0	05	yield / C:B ratio
4.	Groundnut	INM	Application of sulphar	Sulphar	*Kharif*, 2023	6	15	Yield , Soil analysis, Net return, CB Ratio

5.	Chickpea	INM	*Rhizobium*, PSB @ 10gm/kg seed and soil treatment with *Trichoderma* @ 5kg/ ha and foliar spray of micronutrients	Bio-agents and micro nutrients	*Rabi*, 2023-24	6	15	Yield , Soil analysis, Net return, CB Ratio
6	Blackgram	IPM	Use of IPM tools (yellow sticky trap, neem oil and insecticide) to control of mosaic disease vector	Yellow sticky trap, neem oil and insecticide	Kharif 2022	04	10	Disease Incidence % and Yield
7	Groundnut	IDM	Use of seed treatment with fungicide (Tebuconazole) to control of collar rot disease of groundnut	Fungicide (Tebuconazole)	Kharif 2022	50	125	Disease Incidence % and Yield
8	Chickpea	IPM	Use of IPM tool (Pheromone trap) for control of chickpea pod borer	Pheromone trap	Rabi 2020-23	40	100	Trapped insect, caterpillar (L/m^2) and yield
9	Cucumber	IPM	Use of fruit fly trap for cucumber fruit fly management	Fruit fly Trap trap	Zaid 2023	10	60	Trapped insect, damaged fruit and yield
10	Kitchen Garden (150 Sq.M.)	Nutritional Security	Improved Varieties of Vegetable Crops	Seed/Seedlings	Kharif 2023 Rabi-2023-24	50 50	50 50	Yield/Nutritional Requirement

B. Extension and Training activities under FLDs

S.No.	Activity	No. of activities	Month	Number of participants
1	Field days	12	Sept., Oct, Feb. & March	1200
2	Farmers Training	10	Aug., Sept., Oct.-Nov	250
3	Media coverage	16	Aug., Sept., Oct. & Nov.	10
4	Training for extension functionaries	02	Aug., Sept., Oct. &Nov.	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	* Data on parameter in relation to technology demonstrated	
							Demon.	Local check
-	-	-	-	-	-	-	-	-

** Field efficiency, labour saving etc.*

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Critical inputs	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated	
						Demon.	Local check
Poultry	Chabro/RIR/Sonali	10	200	Chicks	Weekly body weight Mortality rate	-	Poultry
Buffaloes	Murrah, Bhadawari, Tharparkar, Gir, ND	10	10	Barseem (Var Vardhan) Fodder seed	Daily milk yield	-	Buffaloes

** Milk production, meat production, egg production, reduction in disease incidence etc.*

(iii) Other Enterprises

Enterprise	Variety/ breed/Species /others	No. of farmers	No. of Units/ area	Critical inputs	Performance parameters / indicators	Data on parameter in relation to technology demonstrated	
						Demon.	Local check
Fodder	Hybrid Napier Grass	10	10	Hybrid Napier Grass root slips	yield / C:B ratio	-	-
-		-	-	-	-	-	-

D. Cluster Demonstration of Oilseed and Pulses under NFSM (2023-24)

Sl. No.	**Crop**	**Thematic area**	**Technology for demonstration**	**Critical inputs**	***Season and year***	**Area (ha)**	**No. of farmers/ demonstration**	**Parameters identified**
1.	Urd	Varietal	Improved variety	Seed, rhizobium culture, weedicide	Kharif-2023	20	50	% yield increase, yield, B:C ratio
2.	Til	Varietal	Improved variety	Seed, Bentonitesulphur,weedicide	Kharif-2023	20	50	% yield increase, yield, B:C ratio
3.	groundnut	Varietal	Improved variety	Seed, Bentonitesulphur,weedicide	Kharif-2023	20	50	% yield increase, yield, B:C ratio
4.	Chickpea	Variety	RVG-202 / JG-14	Seed Rhizobium culture Insecticide	*Rabi 2023-24*	10	25	% yield increase, yield, B:C ratio
5.	Field pea	Variety	IPF4-9/IPFD 10-12	Seed Rhizobium culture weedicide	*Rabi*	20	50	% yield increase, yield, B:C ratio
6	Mustard	Variety	Giriraj/RH-749	Seed, bentonitrsulphur, insecticide	*2023-24*	20	50	% yield increase, yield, B:C ratio

E. Extension and Training activities under CFLDs NFSM

S.No.	Activity	No. of activities	Month	Number of participants
1	Field days	6	Sept., Oct, Feb. & March	400
2	Farmers Training	10	Aug., Sept., Oct.-Nov	180
3	Media coverage	15	Aug., Sept., Oct. & Nov.	10
4	Training for extension functionaries	02	Aug., Sept., Oct. &Nov.	45

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

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	10	5	15	5	3	8	**23**
Resource Conservation Technologies	1	12	4	16	3	2	5	**21**
Integrated Farming	1	12	2	14	5	1	6	**20**
Water management	1	13	5	18	2	2	4	**22**
Seed production	1	11	4	15	3	2	5	**20**
Integrated Crop Management	2	25	7	32	8	4	12	**44**
Total	**7**	83	27	110	26	14	40	150
II Horticulture								
a) Vegetable & fruit Crops								
Off-season vegetables	01	10	03	13	05	02	07	20
Protective cultivation (Green Houses, Shade Net etc.)	01	10	03	13	05	02	07	20
Total	**02**	**20**	**06**	**26**	**10**	**04**	**14**	**40**
b) Fruits								
Management of young plants/orchards	01	10	03	13	05	02	07	20
Total	**01**	**10**	**03**	**13**	**05**	**02**	**07**	**20**
c) Ornamental Plants								
Total	-	-	-	-	-	-	-	-
d) Plantation crops								
Total								
e) Tuber crops								
Total								
f) Spices								
Production and Management technology	01	10	03	13	05	02	07	20
Total	**01**	**10**	**03**	**13**	**05**	**02**	**07**	**20**
g) Medicinal and Aromatic Plants								
Production and management technology	01	10	03	13	05	02	07	20
Total	**01**	**10**	**03**	**13**	**05**	**02**	**07**	**20**
Grand total (Horticulture)	**5**	**50**	**15**	**65**	**25**	**10**	**35**	**100**

III Soil Health and Fertility Management								
Soil fertility management	1	10	4	14	4	2	6	20
Soil and Water Conservation	1	10	3	13	4	4	8	21
Integrated Nutrient Management	1	12	3	15	4	1	5	20
Production and use of organic inputs	1	9	5	14	3	3	6	20
Management of Problematic soils	1	12	3	15	4	1	5	20
Micro nutrient deficiency in crops	1	12	3	15	4	1	5	20
Nutrient Use Efficiency	1	12	3	15	4	1	5	20
Soil and Water Testing	1	9	5	14	3	3	6	20
Total	**8**	**86**	**29**	**115**	**30**	**16**	**46**	**161**
IV Livestock Production and Management								
Dairy Management	1	10	02	12	06	02	08	**20**
Poultry Management	1	10	02	12	06	02	08	**20**
Disease Management	1	10	02	12	06	02	08	**20**
Feed management	2	20	04	24	12	04	16	**40**
Production of quality animal products	1	10	02	12	06	02	08	**20**
Total	**6**	**60**	**12**	**72**	**36**	**12**	**48**	**120**
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	20	04	24	12	04	16	**40**
Design and development of low/minimum cost diet	1	10	02	12	06	02	08	**20**
Designing and development for high nutrient efficiency diet	1	10	02	12	06	02	08	**20**
Minimization of nutrient loss in processing	2	20	04	24	12	04	16	**40**
Gender mainstreaming through SHGs	2	20	04	24	12	04	16	**40**
Value addition	2	20	04	24	12	04	16	**40**
Income generation activities for empowerment of rural Women	2	20	04	24	12	04	16	**40**
Location specific drudgery reduction technologies	2	20	04	24	12	04	16	**40**
Women and child care	1	10	02	12	06	02	08	**20**
Total	**15**	**150**	**30**	**180**	**90**	**30**	**120**	**300**
VI Agril. Engineering								
Total								
VII Plant Protection								
Integrated Pest Management	2	20	04	24	12	04	16	**40**
Integrated Disease Management	1	14	4	18	4	2	6	**24**
Bio-control of pests and diseases	2	20	04	24	12	04	16	**40**
Production of bio control agents and bio pesticides	2	20	04	24	12	04	16	**40**
Total	**7**	**74**	**16**	**90**	**40**	**14**	**54**	**144**
VIII Fisheries								
Integrated fish farming	1	10	02	12	06	02	08	**20**
Total	1	10	02	12	06	02	08	**20**

IX Production of Inputs at site								
Vermi-compost production	1	12	3	15	4	1	5	20
Organic manures production	1	12	3	15	4	1	5	20
Total	**2**	**24**	**6**	**30**	**8**	**2**	**10**	**40**
X Capacity Building and Group Dynamics								
Leadership development	1	15	1	16	5	0	5	**21**
Group dynamics	1	15	1	16	5	0	5	**21**
Formation and Management of SHGs	1	15	1	16	5	0	5	**21**
Mobilization of social capital	1	10	5	15	3	2	5	**20**
Entrepreneurial development of farmers/youths	1	15	1	16	5	0	5	**21**
WTO and IPR issues	1	13	3	16	4	2	6	**22**
Total	**6**	**83**	**12**	**95**	**27**	**4**	**31**	**126**
XI Agro-forestry								
Total	**57**	**620**	**149**	**769**	**288**	**104**	**392**	**1161**
XII Others (Pl. Specify)								
Grand Total								
(B) RURAL YOUTH								
Mushroom Production	1	5	3	8	5	2	7	15
Bee-keeping	1	5	3	8	5	2	7	15
Seed production	2	11	5	16	5	2	7	**23**
Planting material production	2	11	5	16	5	2	7	**23**
Vermi-culture	**1**	**8**	**4**	**12**	**6**	**2**	**8**	**20**
Value addition	1	5	3	8	5	2	7	15
Sheep and goat rearing	1	6	2	8	3	1	4	12
Para extension workers	**1**	10	2	12	6	2	8	**20**
TOTAL	**10**	**59**	**25**	**84**	**36**	**14**	**50**	**134**
(C) Extension Personnel								
Productivity enhancement in field crops	2	13	5	18	5	2	7	**25**
Integrated Pest Management	1	7	2	9	2	1	3	**12**
Integrated Nutrient management	2	18	5	23	8	1	9	32
Protected cultivation technology	02	08	02	10	03	02	05	15
Group Dynamics and farmers organization	**1**	15	-	15	4	-	4	**19**
Capacity building for ICT application	**1**	15	-	15	5	-	5	**20**
Livestock feed and fodder production	01	08	02	10	03	02	05	15
Production and use of organic inputs	**1**	15	3	18	6	3	9	
Gender mainstreaming through SHGs	-	14	6	20	5	3	8	
Any other (Pl. Specify)	-	16	6	22	6	2	8	
TOTAL	**11**	**18**	**117**	**35**	**8**	**43**	**156**	

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	5	66	26	92	29	18	47	139
Resource Conservation Technologies	4	53	22	75	20	10	30	105
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0
Integrated Farming	1	12	2	14	5	1	6	20
Water management	2	27	9	36	10	6	16	52
Seed production	1	11	4	15	3	2	5	20
Nursery management	0	0	0	0	0	0	0	0
Integrated Crop Management	5	70	22	92	25	12	37	129
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
Total	**18**	**239**	**85**	**324**	**92**	**49**	**141**	**465**
II Horticulture								
a) Vegetable Crops								
Nursery raising	01	10	05	15	07	03	10	25
Export potential vegetables	1	15	3	18	6	3	9	**27**
Protective cultivation (Green Houses, Shade Net etc.)	01	10	05	15	07	03	10	25
b) Fruits								
Cultivation of Fruit	01	10	05	15	07	03	10	25
Management of young plants/orchards	01	10	05	15	07	03	10	25
Export potential of ornamental plants	01	10	05	15	07	03	10	25
Propagation techniques of Ornamental Plants	01	10	05	15	07	03	10	25
d) Plantation crops								
e) Tuber crops								
f) Spices								
g) Medicinal and Aromatic Plants								
III Soil Health and Fertility Management								
Soil fertility management	1	12	8	20	6	4	10	**30**
Soil and Water Conservation	1	14	4	18	4	1	5	**23**
Integrated Nutrient Management	1	12	8	20	6	4	10	**30**
Production and use of organic inputs	1	12	8	20	6	4	10	**30**
Management of Problematic soils	1	12	3	15	4	4	8	**23**
Micro nutrient deficiency in crops	1	12	3	15	4	4	8	**23**
Nutrient Use Efficiency	1	12	8	20	6	4	10	**30**
Soil and Water Testing	1	12	3	15	4	4	8	**23**
IV Livestock Production and Management								
Dairy Management	2	20	10	30	16	04	20	**50**
Poultry Management	1	10	05	15	08	02	10	**25**
Disease Management	2	20	10	30	16	04	20	**50**
Feed management	1	10	05	15	08	02	10	**25**
Production of quality animal products	1	10	05	15	08	02	10	**25**

V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	20	10	30	16	04	20	**50**
Design and development of low/minimum cost diet	1	10	05	15	08	02	10	**25**
Designing and development for high nutrient efficiency diet	1	10	05	15	08	02	10	**25**
Minimization of nutrient loss in processing	1	10	05	15	08	02	10	**25**
Gender mainstreaming through SHGs	1	10	05	15	08	02	10	**25**
Storage loss minimization techniques	1	10	05	15	08	02	10	**25**
Value addition	1	10	05	15	08	02	10	**25**
Income generation activities for empowerment of rural Women	1	10	05	15	08	02	10	**25**
Location specific drudgery reduction technologies	1	10	05	15	08	02	10	**25**
Rural Crafts	1	10	05	15	08	02	10	**25**
Women and child care	1	10	05	15	08	02	10	**25**
Total	**12**	**120**	**60**	**180**	**96**	**24**	**120**	**300**
VI Agril. Engineering								
VII Plant Protection								
Integrated Pest Management	2	20	10	30	16	04	20	**50**
Integrated Disease Management	2	20	10	30	16	04	20	**50**
Bio-control of pests and diseases	1	10	05	15	08	02	10	**25**
Production of bio control agents and bio pesticides	2	20	10	30	16	04	20	**50**
VIII Fisheries								
IX Production of Inputs at site								
X Capacity Building and Group Dynamics								
Leadership development	1	10	5	15	3	2	5	**20**
Group dynamics	1	10	5	15	3	2	5	**20**
Formation and Management of SHGs	1	10	5	15	3	2	5	**20**
Mobilization of social capital	1	10	5	15	3	2	5	**20**
Entrepreneurial development of farmers/youths	**1**	10	5	15	10	0	10	**25**
WTO and IPR issues	1	13	5	18	3	2	5	**23**
XI Agro-forestry								
XII Others (Pl. Specify)								
TOTAL	**42**	**482**	**195**	**677**	**275**	**102**	**377**	**1057**
(B) RURAL YOUTH								
Production of organic inputs	5	11	4	15	8	5	13	28
Sheep and goat rearing	5	11	4	15	8	5	13	28
TOTAL	10	22	8	30	16	10	26	56
(C) Extension Personnel	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-

C Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	5	66	26	92	29	18	47	**139**
Resource Conservation Technologies	4	53	22	75	20	10	30	105
Water management	1	12	2	14	5	1	6	**20**
Seed production	2	27	9	36	10	6	16	52
Integrated Crop Management	1	11	4	15	3	2	5	**20**
Production of organic inputs	5	70	22	92	25	12	37	**129**
Total	**18**	**239**	**85**	**324**	**92**	**49**	**141**	**465**

II Horticulture									
a) Vegetable Crops									
Off-season vegetables	01	10	03	13	05	02	07		20
Nursery raising	01	10	05	15	07	03	10		25
Export potential vegetables	1	15	3	18	6	3	9		**27**
Protective cultivation (Green Houses, Shade Net etc.)	2	20	8	28	12	5	17		45
b) Fruits									
Cultivation of Fruit		01	10	05	15	07	03	10	25
Management of young plants/orchards		2	20	8	28	12	5	17	45
Export potential of ornamental plants		01	10	05	15	07	03	10	25
Propagation techniques of Ornamental Plants		01	10	05	15	07	03	10	25
d) Plantation crops									
e) Tuber crops									
f) Spices									
Production and Management technology		01	10	03	13	05	02	07	20
g) Medicinal and Aromatic Plants									
Production and management technology		01	10	03	13	05	02	07	20
Total		**12**	**125**	**48**	**173**	**73**	**31**	**104**	**277**
III Soil Health and Fertility Management									
Soil fertility management		2	22	12	34	10	6	16	50
Soil and Water Conservation		2	24	7	31	8	5	13	44
Integrated Nutrient Management		2	24	11	35	10	5	15	50
Production and use of organic inputs		2	21	13	34	9	7	16	50
Management of Problematic soils		2	24	6	30	8	5	13	43
Micro nutrient deficiency in crops		2	24	6	30	8	5	13	43
Nutrient Use Efficiency		2	24	11	35	10	5	15	50
Soil and Water Testing		2	21	8	29	7	7	14	43
IV Livestock Production and Management									
Dairy Management		3	30	12	42	22	6	28	**70**
Poultry Management		2	20	7	27	14	4	18	45
Disease Management		3	30	12	42	22	6	28	**70**
Feed management		3	30	9	39	20	6	26	65
Production of quality animal products		2	20	7	27	14	4	18	45
V Home Science/Women empowerment									
Household food security by kitchen gardening and nutrition gardening		4	40	14	54	28	8	36	90
Design and development of low/minimum cost diet		2	20	7	27	14	4	18	45
Designing and development for high nutrient efficiency diet		2	20	7	27	14	4	18	45
Minimization of nutrient loss in processing		3	30	9	39	20	6	26	65
Gender mainstreaming through SHGs		3	30	9	39	20	6	26	65
Storage loss minimization techniques		1	10	5	15	8	2	10	25
Value addition		3	30	9	39	20	6	26	65
Income generation activities for empowerment of rural Women		3	30	9	39	20	6	26	65
Location specific drudgery reduction technologies		3	30	9	39	20	6	26	65
Rural Crafts		1	10	5	15	8	2	10	25
Women and child care		2	20	7	27	14	4	18	45
Total		**27**	**270**	**90**	**360**	**186**	**54**	**240**	**600**
VI Agril. Engineering									
VII Plant Protection									
Integrated Pest Management		4	40	14	54	28	8	36	90
Integrated Disease Management		3	34	14	48	20	6	26	74
Bio-control of pests and diseases		3	30	9	39	20	6	26	65
Production of bio control agents and bio pesticides		4	40	14	54	28	8	36	90

VIII Fisheries								
Integrated fish farming	1	10	02	12	06	02	08	**20**
IX Production of Inputs at site								
X Capacity Building and Group Dynamics								
Leadership development	2	25	6	31	8	2	10	41
Group dynamics	2	25	6	31	8	2	10	41
Formation and Management of SHGs	2	25	6	31	8	2	10	41
Mobilization of social capital	2	20	10	30	6	4	10	40
Entrepreneurial development of farmers/youths	2	25	6	31	15	0	15	46
WTO and IPR issues	2	26	8	34	7	4	11	45
XI Agro-forestry								
XII Others (Pl. Specify)								
TOTAL	**81**	**916**	**306**	**1222**	**459**	**173**	**632**	**1857**
(B) RURAL YOUTH								
Mushroom Production	01	05	03	08	05	02	07	15
Bee-keeping	01	05	03	08	05	02	07	15
Seed production	2	11	5	16	5	2	7	**23**
Soil fertility management	2	11	4	15	8	5	13	28
Planting material production	2	11	5	16	5	2	7	**23**
Vermi-culture	**2**	**8**	**4**	**12**	**6**	**2**	**8**	**20**
Value addition	01	05	03	08	05	02	07	15
Dairying								
Sheep and goat rearing	02	12	4	16	6	2	8	24
Para extension workers	**1**	10	2	12	6	2	8	**20**
TOTAL	**10**	**59**	**25**	**84**	**36**	**14**	**50**	**134**
(C) Extension Personnel								
Productivity enhancement in field crops	2	13	5	18	5	2	7	**25**
Integrated Pest Management	1	7	2	9	2	1	3	**12**
Integrated Nutrient management	2	18	5	23	8	1	9	32
Protected cultivation technology	02	08	02	10	03	02	05	15
Group Dynamics and farmers organization	**1**	15	-	15	4	-	4	**19**
Capacity building for ICT application	**1**	15	-	15	5	-	5	**20**
Livestock feed and fodder production	01	08	02	10	03	02	05	15
Production and use of organic inputs	**1**	11	3	14	5	1	6	**20**
TOTAL	**11**	**99**	**18**	**117**	**35**	**8**	**43**	**156**

Annexure – I: Details of Training Programme

i) Farmers & Farm women

1. On Campus

Date	Clientele	**Title of the training programme**	**Duration in days**	Number of participants						**Grand Total**
				Others			**Number of SC/ST**			
				Male	**Female**	**Total**	**Male**	**Female**	**Total**	
Crop Production										
21-22 May	PF	Importance of Natural Farming	2	10	5	15	5	3	8	**23**
5-6 July	PF	Production techniques in Kharif Oilseeds (Groundnut, Sesamum)	2	12	4	16	3	2	5	**21**
16-17 July	PF	Production techniques in Kharif Pulses (Mung, Urd)	2	11	3	14	4	2	6	**20**

26-27 July	PF	Production techniques in kharif cereals (Maize, sorghum)	2	14	4	18	4	2	6	**24**
24-25 Oct.	PF	Production techniques in rabi Oilseeds (Mustard, Linseed)	2	12	2	14	5	1	6	**20**
5-6 Nov.	PF	Production techniques in rabi Pulses (Chickpea, Field pea)	2	13	5	18	2	2	4	**22**
16-17 Nov.	PF	Production techniques in rabi cereals(wheat, Barley)	2	11	4	15	3	2	5	**20**
Horticulture										
May. 12	PF	Production techniques of Safed Musli	02	10	03	13	05	02	07	**20**
June 15	PF	Management of young fruit plants/orchard (Guava & Citrus)	02	10	03	13	05	02	07	**20**
Aug 23	PF	Awareness about organic inputs in vegetable production from Seed treatments to Harvesting	02	10	03	13	05	02	07	**20**
Sept.25	PF	Garlic Production Technology	02	10	03	13	05	02	07	**20**
Feb. 12	PF	Production Technology of Off season vegetables (Cucurbits)	02	10	03	13	05	02	07	**20**
Live Stock Production										
10 Jan	PF	Breed improvement in farm animals	02	10	02	12	06	02	08	20
12 Feb	PF	Control of FMD in farm animals	02	10	02	12	06	02	08	20
17 Apr	PF	Vaccination in farm animals	02	10	02	12	06	02	08	20
18 May	PF	Balanced ration preparation from locally available resources for dairy animals	02	10	02	12	06	02	08	20

04 Jul	PF	Prevention and control of ecto and endo parasites in farm animals	02	10	02	12	06	02	08	20
2 Oct	PF	Backyard poultry farming	02	10	02	12	06	02	08	20

Home Science										
9 April	FW	Drudgery reduction in house hold techniques	**2**	10	5	15	5	3	8	**23**
17 July	FW	Skill training on preservation of tomato under house holds condition.	**2**	12	4	16	3	2	5	**21**
11 August	FW	Low cost nutrient dishes for school going children	**2**	11	3	14	4	2	6	**20**
12 Sep.	FW	Products making from soybean	**2**	14	4	18	4	2	6	**24**
22 October	FW	Value addition of groundnut	**2**	12	2	14	5	1	6	**20**
12 November	FW	Fruit squash making	**2**	13	5	18	2	2	4	**22**
Plant Protection										
9 April	PF	IPM/IDM in pulse crop	**2**	10	5	15	5	3	8	**23**
17 July	PF	IPM/IDM in solanaceous crops	**2**	12	4	16	3	2	5	**21**
11 August	PF	IPM/IDM in cucurbits	**2**	11	3	14	4	2	6	**20**
12 Sep.	PF	IPM/IDM in wheat	**2**	14	4	18	4	2	6	**24**
22 October	PF	Role of *Trichoderma* and *Beauveriabassiana* in IPM	**2**	12	2	14	5	1	6	**20**
12 November	PF	IPM/IDM in fruit crops	**2**	13	5	18	2	2	4	**22**
16 November	PF	Bee Keeping	**2**	13	5	18	2	2	4	**22**

Agriculture Extension (Capacity Building and Group Dynamics)									
Feb 6	PF/FW	Need & importance of SHG for income generation	2	10	5	15	3	2	5	**20**
March 11	PF/FW	Reform through Contract Farming: Sharing successful story to motivate farmers	2	15	1	16	5	0	5	**21**
May 9	PF/FW	Importance and need of farmers field school	2	10	5	15	3	2	5	**20**
June 4	PF/FW	Mobile and Web applications in agriculture	2	14	3	17	5	2	7	**24**
July 8	PF/FW	Kisan Rath Apps	2	10	5	15	3	2	5	**20**
Dec. 15	PF/FW	Farmers Producer Organization	2	13	3	16	4	2	6	**22**
Soil Science										
08 Jan.	PF	Balanced Fertilizer Management Techniques	2	10	4	14	4	2	6	20
10 March	PF	Awareness program – application of balance fertilizer	2	10	3	13	4	4	8	21
17 June		Importance of Green manuring for soil health management	2	12	3	15	4	1	5	20
19 July	PF	Rainwater conservation technique in Bundelkhand soil	2	9	5	14	3	3	6	20
15 Sep	PF	Management of salt affected soil in bundelkhand	2	12	3	15	4	1	5	20
15 June	PF	Importance of Green manuring for soil health management	2	12	3	15	4	1	5	20

1.Off Campus

Date	Clientele	Title of the training programme	Duration in days	Number of participants						Grand Total
				Others			Number of SC/ST			
				Male	Female	Total	Male	Female	Total	
Crop Production										
8 Jan.	PF	Irrigation water management in rabi cereals (Wheat, Barley)	1	14	4	18	8	4	12	**30**
22 Apr.	PF	Importance of summer deep ploughing	1	15	3	18	6	3	9	**27**
18 June	P F	Crop residue management	1	14	6	20	5	3	8	**28**
3 Aug.	PF	Integrated nutrient management in Kharif oilseeds(Groundnut , sesamum) and pulses (urd, mung)	1	16	6	22	6	2	8	**30**
9 Aug.	PF	Integrated weed management in Kharif oilseeds(Groundnut , sesamum) and pulses (urd, mung)	1	15	5	20	5	4	9	**29**
21 Oct	PF	Integrated nutrient management in rabi Oilseeds (Mustard, Linseed)	1	14	7	21	4	2	6	**27**
30 Oct.	PF	Integrated nutrient management in rabi Pulses (Chickpea, field pea)	1	13	6	19	7	3	10	**29**
5 Nov.	PF	Integrated nutrient management in rabi cereals(wheat, Barley)	1	14	5	19	6	3	9	**28**
15 Nov.	P F	Integrated weed management in rabi Oilseeds (Mustard, Linseed)	1	12	8	20	6	4	10	**30**
25 Nov.	PF	Integrated weed management in rabi Pulses (Chickpea, field pea)	1	15	3	18	7	2	9	**27**
6 Dec.	PF	Integrated weed management in rabi cereals (wheat, Barley)	1	14	5	19	6	5	11	**30**
Horticulture										
April 25	PF	Major diseases of Guava & citrus and its control measures	01	10	05	15	07	03	10	25

May 10	PF	Production technology of safedmusli	01	10	05	15	07	03	10	25
June 12	PF	Remedies for flower & fruit drop in fruit plants	01	10	05	15	07	03	10	25
July 15	PF	Nursery production of vegetables.	01	10	05	15	07	03	10	25
Aug. 18	PF	Cultivation practices of Marigold with intercropping system	01	10	05	15	07	03	10	25
Sept. 12	PF	Rabi Onion production technology	01	10	05	15	07	03	10	25
Oct. 25	PF	Production technology of Garlic	01	10	05	15	07	03	10	25
Nov. 07	PF	Rose cultivation	01	10	05	15	07	03	10	25
Jan. 15	PF	Protected cultivation of cucurbitaceous vegetable	01	10	05	15	07	03	10	25
March 07	PF	Major application in Ginger & Turmeric production	01	10	05	15	07	03	10	25
Live Stock Production										
15 Feb	PF	Balanced ration feeding of livestock	1	10	05	15	08	02	10	**25**
10 Mar	PF	Hygienic milk production	1	10	05	15	08	02	10	**25**
12 May	PF	Vaccination in farm animals	1	10	05	15	08	02	10	**25**
16 Jun	PF	Prevention and control of ecto and endo parasites in farm animals	1	10	05	15	08	02	10	**25**
09 Aug	PF	Control of mastitis in dairy animals	1	10	05	15	08	02	10	25
10 Sep	PF	Control of FMD in farm animals	1	10	05	15	08	02	10	**25**
07 Oct	PF	Round the year fodder production	1	10	05	15	08	02	10	**25**
12 Dec	PF	Care and management of sheep and goats	1	10	05	15	08	02	10	**25**

Home Science										
13 May	FW	Drudgery reduction in house hold techniques	1	10	05	15	08	02	10	**25**
7 June	FW	Skill training on preservation of tomato under house hold condition.	1	10	05	15	08	02	10	**25**
17 July	FW	Low cost nutrient dishes for school going children	1	10	05	15	08	02	10	**25**
12 August	FW	Products making from soybean	1	10	05	15	08	02	10	**25**
22 Sep.	FW	Value addition of groundnut	1	10	05	15	08	02	10	25
12 October	FW	Fruit squash making	1	10	05	15	08	02	10	**25**

Vocational Training Programme for Rural Youth:

Date	Clientele	Title of the training programme	Duration in days	Number of participants						Grand Total
				Others			Number of SC/ST			
				Male	Female	Total	Male	Female	Total	
Crop Production										
10-14 Jun.	RY	Seed production techniques in kharif Oilseeds (Sesame, Groundnut)	**05**	6	3	9	2	1	3	**12**
15-19 Oct.	RY	Seed production techniques in rabi Pulses (Field pea, Chickpea)	**05**	5	2	7	3	1	4	**11**
Horticulture										
August 21-25	RY	Vegetable seed production (Onion, Garlic, Tomato, Okra, Chilli)	**5**	05	03	08	05	02	07	**15**
Oct 27	RY	Nursery / Planting material production (Vegetables)	**5**	10	05	15	07	03	10	**25**
Live stock Production										
20Jan	RY	Scientific goat farming	**05**	8	2	10	4	1	5	**15**
Home Science										
27-31 Jan.	RY	Seasonal fruits and vegetable preservation, packing and marketing	**5**							
Soil Conservation										
10-14 Jan.	RY	Different methods of vermi compost production	**05**	6	2	8	2	1	3	**11**
Plant Protection										
25 Nov.	RY	Button mushroom production	**5**	05	03	08	05	02	07	15
22 Oct	RY	Bee keeping production	**5**	05	03	08	05	02	07	15
Agriculture Extension (Capacity building and Group dynamics)										
18 December	RY	Entrepreneurship development through sericulture	**5**	10	2	12	6	2	8	**20**

iii) Training Programme for Extension Functionaries:

Date	Clientele	Title of the training programme	Duration in days	Number of participants						Grand Total
				Others			Number of SC/ST			
				Male	Female	Total	Male	Female	Total	
Crop Production										
8-9 Jul.	EF	Integrated crop management in Kharif crops	**2**	6	3	9	3	1	4	**13**
Plant Protection										
17 June	PF	IPM/IDM in pulse crop	**1**	10	5	15	5	3	8	**23**
15 July	PF	IPM/IDM in solanaceous crops	**1**	12	4	16	3	2	5	**21**
25 July	PF	IPM/IDM in cucurbits	**1**	11	3	14	4	2	6	**20**
15 Oct.	PF	IPM/IDM in wheat	**1**	14	4	18	4	2	6	**24**
5 Feb.	PF	Role of *Trichoderma* and *Beauveriabassiana* in IPM	**1**	12	2	14	5	1	6	**20**
14 March	PF	IPM/IDM in fruit crops	**1**	13	5	18	2	2	4	**22**
11 April		Bee Keeping	**1**	13	5	18	2	2	4	**22**
Soil Science										
15 Feb.	PF	Possibilities of organic farming in Bundelkhand region	1	12	8	20	6	4	10	**30**
16 April	PF	NADEP compost preparation techniques	1	14	4	18	4	1	5	**23**
3June	PF	Integrated crop management in ground nut and soybean crops	1	12	8	20	6	4	10	**30**
22 July	PF	Balanced Fertilizer Management Techniques	1	12	8	20	6	4	10	**30**
28 Oct	PF	Soil test based nutrient application	1	12	3	15	4	4	8	**23**
15 Nov	PF	Efficient use of irrigation water	1	12	3	15	4	4	8	**23**
26 Dec	PF	Organic vegetable production technology	1	12	8	20	6	4	10	**30**
Agriculture Extension (Capacity Building and Group Dynamics)										
Jan.. 4	PF/FW	Development of entrepreneurial skill among farmers through seed production	1	17	-	17	5	-	5	**22**
Feb 9	PF/FW	Farmer Field School	**1**	15	3	18	5	2	7	**25**
July 12	PF/FW	Empowerment of rural woman through SHG	1	10	5	15	3	2	5	**20**
Sept. 7	PF/FW	Sensitization of farmers towards WTO and IPR issues	**1**	0	12	12	0	10	10	**22**
Oct. 23	PF/FW	Application of ICT in agriculture	1	10	5	15	3	2	5	**20**
November 12	PF/FW	Role of Farmer Producer Organization	1	10	5	15	3	2	5	**20**

15-16 Sep.	EF	Need and Importance of Natural Farming	**2**	7	2	9	2	1	3	**12**
Horticulture										
Sept. 27-28	EF	Production technology & post harvest management of Onion	**2**	08	02	10	03	02	05	**15**
Dec 12	EF	Production technology & post harvest management of Garlic	01	10	05	15	07	03	10	**25**
Live stock Production										
05 Jun.	EF	Advanced feeding technologies of farm animals	**1**	8	2	10	4	1	5	**15**
Home Science										
11-12 Nov.	EF	Utilization of soybean & its product preparation	**2**	8	2	10	4	1	5	**15**
Soil Conservation										
6-7 Aug.	EF	Techniques of Balanced Fertilizer Management	**1**	12	2	14	5	-	5	**19**
22-23 Dec.	EF	soil health managements for increasing crop production	**1**	11	3	14	5	1	6	**20**
Plant Protection										
12 March	EF	IPM/IDM in moong bean	1	7	2	9	2	1	3	**12**
13 Oct.	EF	IPM/IDM in chickpea	01	10	05	15	07	03	10	25
Agriculture Extension (Capacity building and Group dynamics)										
15 Oct.	EF	Awareness among extension personnel for daily updates	**2**	15	-	15	4	-	4	**19**
19 December	EF	Capacity building of extension personnel on use of ICT in Agriculture	**2**	15	-	15	5	-	5	**20**

iv) Sponsored Training Programmes

S. No.	Title	Thematic area	*Duration*	Client PF/ RY/ EF	No. of courses	No. of participants							Sponsoring agency
						Male		Female		Total			
						Other	SC/ ST	Other	SC/ ST	Others	SC/ ST	Total	
1.	Latest technologies for pulses production	INM & IPM	02	PF/EF	04	200	150	50	75	250	225	475	IWDP/ ATMA
2.	Seed Production of *kharif* pulses and oilseeds (Urd, moong and til)	Seed Production	02	PF/EF	05	200	50	50	50	250	100	350	IWDP/ ATMA
3.	Fertilizer management in fruit plant orchard	INM	02	PF/EF	03	100	50	50	50	150	100	250	NHM
4.	Balance diet for rural women and children	-do-	02	PF women	02	-	-	50	50	100	50	100	NGO
5.	Integrated crop management in pulses	ICM	02	PF/EF	05	150	75	25	15	175	90	265	ATMA
6.	Integrated crop management in kharif oilseeds	ICM	02	PF/EF	05	150	75	25	15	175	90	265	ATMA
7	Seed production technologies for gram, pea and lentil	INM&IPM	02	PF/EF	04	400	200	50	75	450	275	725	IWDP
8	Durum wheat cultivation techniques	Seed Production	02	PF/EF	04	200	50	50	50	250	100	350	IWDP/ ATMA
9	Seed production technologies of rapeseed and linseed	Seed Production	05	PF/EF	05	100	50	50	50	150	100	250	IWMP
10	Recent advances in wheat production technologies	ICM	03	PF/EF	05	100	50	50	50	150	100	250	IWDP
11	Integrated nutrient management in rabi crops	IPNM	04	PF/EF	04	100	50	50	50	150	100	250	IWMP/ ATMA
12	Fertilizer management in fruit plant orchard	INM	02	PF/EF	02	100	50	50	50	150	100	250	IWMP
13	Seed production technologies for gram, pea and lentil	INM&IPM	02	PF/EF	04	400	200	50	75	450	275	725	IWDP
14	Durum wheat cultivation techniques	Seed Production	02	PF/EF	04	200	50	50	50	250	100	350	IWDP/ ATMA
15	Seed production technologies of rapeseed and linseed	Seed Production	05	PF/EF	05	100	50	50	50	150	100	250	IWMP

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	6	320	97	417	30	15	45	350	112	462
Kisan Mela	1	200	50	250	10	-	10	210	50	260
Kisan Ghosthi	4	320	30	350	25	-	25	345	30	375
Exhibition	1	270	20	290	30	-	30	300	20	320
Film Show	1	450	45	495	15	-	15	465	45	510
Method Demonstrations	3	45	10	55	30	-	30	75	10	85
Farmers Seminar	2	85	10	95	-	-	0	85	10	95
Workshop	1	70	5	75	10	5	15	80	10	90
Group meetings	3	60	30	90	10	5	15	70	35	105
Lectures delivered as resource persons	30	3500	200	3700	60	30	90	3560	230	3790
Newspaper coverage	30	5000	1500	6500	60	20	80	5060	1520	6580
Radio talks	5	100	50	150	90	10	100	190	60	250
TV talks	2	270	50	320	20	10	30	290	60	350
Popular articles	10	760	300	1060	60	15	75	820	315	1135
Extension Literature	7	400	30	430	25	-	25	425	30	455
Advisory Services	4	20	-	20	5	-	5	25	0	25
Scientific visit to farmers field	31	700	190	890	40	15	55	740	205	945
Farmers visit to KVK	30	350	90	440	-	-	0	350	90	440
Diagnostic visits	4	150	20	170	20	-	20	170	20	190
Exposure visits	4	60	10	70	10	-	10	70	10	80
Ex-trainees Sammelan	4	650	200	850	30	-	30	680	200	880
Soil health Camp	2	100	10	110	10	-	10	110	10	120
Animal Health Camp	2	80	10	90	10	-	10	90	10	100
Agri mobile clinic	-	-	-	0	-	-	0	0	0	0
Soil test campaigns	2	22	3	25	10	-	10	32	3	35
Farm Science Club Conveners meet	2	900	300	1200	30	-	30	930	300	1230
Self Help Group Conveners meetings	4	800	40	840	15	-	15	815	40	855
MahilaMandals Conveners meetings		3	40	80	120	-	5	5	40	85	125

Celebration of important days (specify)	2	80	20	100	10	5	15	90	25	140
Total	**200**	**15802**	**3400**	**19202**	**665**	**135**	**800**	**16467**	**3535**	**20027**

Target for Production and supply of Technological products

SEED MATERIALS

	Crop	**Variety**	**Quantity (qtl.)**
CEREALS	Wheat	**DBW-187**	**330.00**
OILSEEDS			
	Mustard	RH-749/ Giriraj	8
PULSES			
	Field Pea	IPFD-12-2/ IPFD-9-2	32.00
VEGETABLES			
	Tomato	Hybrid	Seedlings
	Brinjal	Hybrid	Seedlings
	Chilli	Hybrid	Seedlings
FLOWER CROPS			
	Nil		
OTHERS (Specify)			
	Nil		

PLANTING MATERIALS

Sl. No.	**Crop**	**Variety**	**Quantity (Nos.)**
FRUITS			
	Papaya	Red leady	100
SPICES	Onion	ALR	30000
VEGETABLES			
	Cauliflower	Hybrid	3000
	Tomato	Hybrid	3000
	Chliies	Hybrid	3000
	Broccoli	Hybrid	1500
FOREST SPECIES			
ORNAMENTAL CROPS			
	Marigold	-	1000
PLANTATION CROPS	Nil	-	
Others (specify)	Drumstick	PKM-1	200

Bio-products

Sl. No.	**Product Name**	**Species**	**Quantity**	
			No	**(kg)**
BIOAGENTS				
1	Trichoderma	Trichoderma spp.		200
2	*Rhizobium*	*Rhizobium*		100
BIOFERTILIZERS				
1.	Vermicompost	*Eisiniafoetida*	02	10000
2	NADEP			20000
BIO PESTICIDES				
1	Dasparni arkl	Cow dung+Urine+Neemleaves+Water each 15 lit & 2kg Gurh		500 lit.
2	Pesticides	Cow urine + Tobacco + Garlic		50 lit

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos	Kg
Cattle	Nil	**Sahiwal and Tharpakar**	**4 adult and 2 calf)**	**-**
SHEEP AND GOAT	Nil	**Bundelkhandi**	**7 adult and 2 kids)**	**-**
POULTRY	Nil	**-**	**-**	**-**
FISHERIES	Nil	**-**	**-**	**-**
Others (Specify)	Nil	**-**	**-**	**-**

3.5. Literature to be Developed/Published

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

(B) Literature developed/published

Item	Number/ copies
Research papers	05
Technical reports	08
News letters	04
Technical bulletins	04
Popular articles	25
Extension literature	04
Others (Pl. specify)	01
TOTAL	**51**

(C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the program me	Number
1.	CD	Integrated Pulse Production	1
2.	CD	Vermi-compost	1
3.	CD	Value addition	1

Success stories/Case studies identified for development as a case: 04

Indicate the specific training need analysis tools/methodology followed for

Identification of courses for farmers/farm women

- PRA / Bench mark survey
- According to Agro Ecological condition
- Feedback from district officials

Rural Youth

- Through Ex trainees meet
- Considering wide area problem
- Discussion with rural youth of villages
- Based on rural need

In-service personnel

- Feedback from district line departments
- Based on specific need of participants
- Changing AES

Indicate the methodology for identifying OFTs/FLDs

- PRA
- Bench mark surveys

Matrix ranking

- Feedback from district line departments

Field activities

1. Name of villages identified for adoption with block name:

S.No.	Name of Village	Name of Block
1.	Chokri, Pawai, Pahari, Amara	Chirgaon
2.	Bamrauli, Samthar	Moth
3.	Dhikoli, Ghisauli, Badaura	Babina
4.	Padri, Dunara, Mawai Gird	Baragaon
5.	Baragaon, Ranipur	Mauranipur
6.	Dalbatia, Uldan, Amanpura	Bangra
7.	Todi Fatehpur, Basari	Gursarai
8.	Bamaur, Kakarbai	Bamaur

2. No. of farm families selected per village 100
3. No. of survey/PRA to be conducted: 20

3.11. Activities of Soil and Water Testing Laboratory

1. Year of establishment: 2005-06
2. List of equipments purchased:

Sl. No	Name of the Equipment	Qty.	Condition
1	Visible Range Spectrophotometer	01	Working
2	Economy Bench pH Meter Cyberscan	01	Working
3	Physical Balance CTG0602	01	Working
4.	Conductivity Meter EcoscanEitech	01	Working
5.	Analytical Balance Apex	01	Not Working
6-	Rotary Flask Mac	02	Not Working
7-	Water Still “Labco” Distillation	05	Not Working
8-	Hot Plat	10	Working
9-	Electric Oven Temp star	01	Working
10-	Kjeldhal Digestion Mahindra	02	Working
11.	Digital Flame Photometer	01	Not Working
12-	Grinder REMI	05	Working
13-	Glass ware & others	-	Working
14.	Chemicals	-	Working

3. Details of samples analyzed so far:

Details	No. of Samples	No. of Farmers (SHC)	No. of Villages	Amount realized
Soil Samples	200	2000	25	-
Water Samples	-	-	-	-
Total	200	2000	25	-

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
BUAT, Banda	Technical input , supervision, monitoring & evaluation
UP Council of Agriculture Research Lucknow.	Technical & finance
IFFCO, KRIBHCO, NFL & Khaitan Chemicals	Participation in SAC & Training Programme
Dept. of Agriculture ,Animal Husbandry, Forest Horticulture, Fisheries & Soil conservation	Participation in SAC, Diagnostic survey demonstration &input availability & Field work coordination.
IGFRI Jhansi	Technical support, Field level co ordination. Participation in SAC
CAFRI , Jhansi	Technical support, Field level co ordination. Participation in SAC
NABARD Jhansi	Technical support
NGOs , Marg Sri, Pragatipath, BIRD, BOADS Jhansi etc.	Technical support & Demonstration etc.

5.3 Details of linkage with ATMA / NFSM

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

S. No.	Programme	Nature of linkage
1.	ATMA / NFSM	Training, technical advices

5.4 Give details of programmers implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage
1.	NHM	Training and technical advice

DETAILS OF ACTION PLAN OF KVKs DURING 2023
(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
Krishi Vigyan Kendra, Belatal, Mahoba -210 423 U.P.	Office	FAX	**kvkmahoba@gmail.com**	Mahoba.kvk4.in

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

Address	Telephone		E mail	Website
	Office	**FAX**		
Vice Chancellor, Banda University of Agriculture and Technology, Banda - 210 001	05192- 232305	05192- 232305	**vc.buat@gmail.com**	Buat.edu.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 :

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

Name	Telephone / Contact		
	Office	**Mobile**	**Email**
Dr. Mukesh Chand, Sr. Scientist cum Head	Belatal, Mahoba	9451333378	kvkmahoba@gmail.com

1.4. Year of sanction: Nov., 2004

1.5. Staff Position (as on June ,2021)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	(SC/ST /OBC/	Mobile No.	Email id	Please attach recent photogr
1	Programme Coordinator	DrMukesh Chand	Senior Scientist cum Head	Soil Science	37400-67000		46400	10.12.2017	Permanent	Gen	9451333378	kvkmahoba@gmail.com	
2	Subject Matter Specialist	Dr Amrita Singh	SMS	Home Science	15600-39100		21000	16.12.2017	Permanent	Gen	9457695428	amritalko@gmail.com	
3	Subject Matter Specialist	DrBrijeshPandey	SMS	Horticulture	15600-39100		21000	23.01.2018	Permanent	Gen	9430955950	mr.brijeshpande@gmail.com	
4	Subject Matter Specialist	- vacant -	SMS	Agri. Extension									
5	Subject Matter Specialis	- vacant -	SMS	Plant Pathology									

	t												
6	Subject Matter Specialist	- Vacant -	SMS	Agronomy									
7	Subject Matter Specialist	- Vacant -	SMS	Animal Husbandry									
8	Programme Assistant	Mr. Gufran	Lab tech./farm manager		35400		35400	26.12.2017	Permanent	OBC	7376354294	gufranggg72@gmail.com	
9	Farm Manager	- Vacant -											
10	Computer Programmer	Ms. Alka Mishra	Prog. Ass.(Com.)	-	35400		35400	14.12.2017	Permanent	Gen	8795870309	mishra.alka4@gmail.com	
11	Accountant / Superintendent	Mr. SaurabhShukla	Office Assistant		35400		35400	11.12.2017	Permanent	Gen	9005339706	shuklasaurabh.banda94@gmail.com	
12	Stenographer	Mr. Ashish Dixit	Stenographer-III		25500		25500	11.12.2017	Permanent	Gen	9918238531	dashish455@gmail.com	
13	Driver	Mr. Rahul Mishra	Driver		21700		21700	11.12.2017	Permanent	Gen	8858231264	rahulmishra4580@gmail.com	
14	Driver	Mr. Shriramyadav	Driver		21700		21700	11.12.2017	Permanent	OBC	8953616139	raam74992@gmail.com	
15	Supporting staff	Mrs. Ankita Nigam	Supporting staff					25-06-2022	Permanent	Gen	8299389394	avinash.mskjuat@gmail.com	
16	Supporting staff	vacant											

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.30
2.	Under Demonstration Units	2.20
3.	Under Crops	7.0
4.	Horticulture	0.50
5.	Pond	-
6.	Others if any	-
	Total	**11.00**

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR						not completed
2.	Farmers Hostel	ICAR		-		-	-	completed
3.	Staff Quarters (6)	ICAR	Construction start from 2010 as per norms only constructed plinth level					
4.	Demonstration Units (2)	ICAR	Two Demonstration Unit Construction start from 2010 as per norms likely to be completed					
5	Fencing							completed
6	Rain Water harvesting system		2018					completed
7	Threshing floor							completed
8	Farm godown							completed
9	Seed Hub plant		2019		50.0	2017		completed
10								

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Marshal Jeep	2001	-	110000	Very old, need to be replaced
Tractor	-	-	-	Working condition
Motor Cycle	2010	-	3200	Working condition

C) Equipments& AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Photo Copy Machine	2001	62000.00	Unusable
Computer + Printer	13.08.2007	42838.00	Unusable
Computer+Printer	31.03.2018	52000.00	usable
Computer + Laptop +camera	13.03.2019	130000.00	usable
Over Head Projector	2001	13000.00	Not in use
Almirah (6)	2001	18210.00	Good
Other			
Tractor Trolley (one)	2001	40000.00	Unusable
Cultivator (one)	2001	9000.00	Unusable
Labeler (one)	2001	6000.00	Good
Zero till machine (one)	2001	24000.00	Reliable
Harrow (one)	2001	12500.00	Reliable
Computer Table (Two)	2001	11960.00	Reliable
Printer Table (one)	2001	2445.00	Reliable
Computer Chair with Arm (Two)	2001	4776.00	Reliable
Computer Chair Without Arm (Two)	2001	3400.00	Reliable
Chief Executive Table (one)	2001	3820.00	Reliable
Executive Table (Eight)	2001	20384.00	Reliable
Official Chair (Five)	2001	2990.00	Reliable
Other Chair (Seventy Four)	2001	24790.00	Reliable

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

Sl.No.		Date
1.	Scientific Advisory Committee	20 Oct., 2023

2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Fallow – Gram + Mustard, Urd – Wheat + Mustard, Sesame – Pea, Fallow – Pea, Groundnut – Wheat, Pigeon pea – Sorghum, Groundnut – Gram, Pea/Gram – Sugarcane and some vegetable are cropping sequence.
2	People keep poor buffaloes and deshi cow with 5-6 goats
3	Poor fruit and agro forestry based farming systems are adopted by farmers.

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
	Zone VI	1. The most covered area with Vindhyan hills and is also a part of Central India. 2. Net cultivated land 238749 ha 3. Cropping intensity 142.0 per cent 4. Forest 15.4 per cent.

b) Topography

S. No.	Agro ecological situation	Characteristics
1	Mahoba having three Tehseels namely Mahoba, Charkhari and Kulpahar is covered in most of the areas with Vindhyans Hills.	Farming system of the district is mostly influenced by the soil types, rainfall and irrigation facilities. These are mono-cropping system and about 75% area is being left fallow during Kharif season. During winter season, about 58% area is sown as rainfed. Important vegetables like tomato, brinjal are grown as cash crops near pump sets of wells and periphery of ponds. Livestock is the backbone of farming systems hence unimproved breeds and poor nutritional management causes low productivity.
2		

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Parwa	These soils are deep to very deep textured rich in nutrient and poor in bases with a preordered of calcium in the surface.	43%
2	Rakar	Skeletal litchis assortments and skeletal litchis soils and coarse to medium in texture with more than 35% gravels. Coarse to medium in texture poor inorganic matters, nutrients status and bases they supports rainfed crops are moderately eroded.	7%
3	Kabar	In local parlance these soil called Kabar at present they supporting various Rabi and Kharif crops. Mostly wheat, barley, Jowar, Arhar etc. These soil are very	44%

		deep light blackish brown to yellowish brown and radish brown to medium black in colour.	
4	Mar	These soil are very deep dark black (the colourchroma less than one) having lower chroma they slightly eroded at places support very good kharif and Rabi crops, mostly Jowar and Wheat locally called Mar. Soil having very good water holding capacity.	6%

2.4. Area, Production and Productivity of major crops cultivated in the district (2019-20)

S.No	Crop	Area (ha)	Production (Q)	Productivity (Q. /ha)
1	Wheat	83112	2119360	25-27
2	Barley	9089	229950	26-32
3	Gram	87855	70723	8-05
4	Pea	33100	26811	8-10
5	Lentil	34810	22452	6-45
6	Mustard /Rai	16205	53980	8-70
7	Linseed	8764	6179	7-05
8	Pigeon pea	2655	29364	11-06
9	Sesame	47430	4506	0-95
10	Groundnut	12000	8868	7-39
11	Black gram	59230	1955	0-33
12	Green Gram	11240	0641	0-57

Source: District agriculture department.

2.5. Weather data

Month	Rainfall (mm)	Temperature	Relative Humidity (%)	
		Maximum	Maximum	Minimum
January	9.67	20.5	6.2	73.4
February	0.0	34.1	17.8	61.2
March	13.47	36.6	19.8	50.1
April	5.47	37.4	21.3	34.0
May	18.93	43.2	26.3	40.3
June	58.40	36.7	27.2	52.9
July	94.20	32.9	26.2	76.0
August	146.87	20.5	24.2	82.9
September	25.0	33.2	22.3	71.5
October	0.0	28.3	21.0	63.9
November	2.0	26.2	19.2	72.6
December	0.0	21.2	13.6	74.8

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

Category	Population	Production	Productivity
Cattle	2,28,027		
Buffalo	1,36,008		
Sheep	14,580		
Goats	1,62,623		
Pigs	21371		
Crossbred	370		
Indigenous	21001		
Rabbits	-		

Poultry			
Hens			
Desi	65285		
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	
1	Kulpahar	Jaitpur	Thurat Mangraul Kala, Mangaroul Khurd	Urd, Moong, Arhar, Til, Gram, Pea, Wheat, Mustard, Brinjal and Animal Husbandry	Rainfed farming. Broad Casting, No use of organic manure, seed treatment Lack of quality seed.	Availability, distribution and production of quality seed. Use of NADEP and Vermi-compost
2	Kulpahar	Jaitpur	Pathari SugiraKhairatiya Bharwara	Groundnut, Urd, Moong, Arhar, Til, Gram, Pea, Wheat, Mustard, Brinjal and Animal Husbandry	Rainfed farming. Imbalance use of fertilizer, Late sowing, No use of weedicide, seed treatment Lack of quality seed.	Introduction of bio-fertilize & fertilizer. scheduling of Irrigation Availability, distribution and production of quality seed. Use of NADEP and Vermi-compost
3	Kulpahar	Panwari	Devganpura Pathakpura Churari Charua Panwari	Groundnut, Urd, Moong, Arhar, Til, Gram, Pea, Wheat, Mustard, Brinjal and Animal Husbandry	Rainfed farming. Imbalance use of fertilizer, Late sowing, No use of weedicide, seed treatment Lack of quality seed, No use of hybrid varieties of vegetable crops	Availability, distribution and production of quality seed. Use of NADEP and Vermi-compost

2.8 Priority thrust areas

- ❖ Introduction of high yielding, short duration and drought tolerant varieties of pulses, oilseeds, cereals and vegetables.
- ❖ Watershed management in rainfed areas and promotion of resource conservation technologies
- ❖ Integrated farming for judicious use of farm resources, employment and income generation especially for marginal and small farmers through diversification of agriculture.
- ❖ Popularization of Vermi& NADEP compost and green manuring to nourish the soil and as part of integrated plant nutrient management, awareness to soil testing and soil health management.
- ❖ Formation and mobilization of farmers and farm women groups.
- ❖ Production and productivity improvement through IPM and IDM approach
- ❖ Increase livestock productivity by implementing Feed management, Breed Improvement, and health care, Educating farmers about ill effects of "annaPratha".
- ❖ Promotion of protected cultivation practices in horticultural crops.
- ❖ Availability of Quality seed Pulses and planting material
- ❖ Reduction of post harvest losses and promotion of Value addition of agricultural and horticultural products .

- ❖ Drudgery reduction , Mal nutrition for empowerment of rural women.

3. TECHNICAL PROGRAMME

4. A. Details of targeted mandatory activities by KVK

OFT		CFLD/ FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
5	35	100	250
Training		**Extension Activities**	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
20	500	220	8000
Seed Production (Qtl.)	**Planting material (Nos.)**	**Fish seed prod. (Nos)**	**Soil testing**
(5)	(6)	(7)	(8)
500	10000	-	200

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									

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
Seed / Plant production					1					
Integrated Crop Management					1					
Drudgery reduction		1								
Value addition	1				1					
TOTAL	**1**	**1**			**3**					**5**

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
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
TOTAL								

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
TOTAL								

B. Details of On Farm Trial

OFT-1

	Crop / Enterprise		Acid lime
1	Title of on farm trial		Assessment of effect of PGR and chemicals on hast bahar management in Acid lime
2	Problem diagnosed		Very low yield in hast bahar
3	Farmers' Practices		**T_1**- No bahar management
4	Details of technologies selected for assessment/refinement		**T_2**- Hast Bahar management by foliar spray of 50ppm GA_3 in June, 1000ppm Cycocel in Sepetember and 1% KNO_3 in October month
5	Source of technology		Dr. YSR Horticultural University, Tirupati, A.P.
6	Plot size		4 plants at each farmer's field
7	No. of farmers		5
8	Total cost		Rs.5000/-
9	Critical input		GA_3, Cycocel, KNO_3
10	Performance indicators: (i) Technical (ii) Economic (iii) Social		Fruit weight (g), No. of fruit/tree, Yield (Qtl./ha.) Gross return, Net return, B:C ratio Acceptability

OFT - 2

1	Crop/Enter prizes	:	Groundnut
2	Title of on farm trial	:	Assessment of groundnut stripper for drudgery reduction among farm women.
3	Problem Diagnosed	:	High level of drudgery among farm women, consumption of time and labour cost insepration of groundnut pod from stalk.
4.	Farming situation	:	Kharif, Rainfed
5.	Production system and thematic area	:	Location specific drudgery reduction technology
6.	Existing practice	:	T_1 – Farmers practice (hand separation of groundnut pod)
7.	Details of technologies selected for assessment/refinement	:	T_2 – Groundnut stripper
8.	Source of technology	:	MPUAT, Rajasthan
9.	No. of family(Infants)	:	7
10.	Critical input/ expected budget	:	Groundnut stripper
11.	Performance indicators Technical: Economic: Social:	:	• Time n tool factor (energy expenditure, heart rate etc.) • Cost of labour, B:C ratio • Acceptability of ergonomically designed tool

OFT-3

1	Crop/Enter prizes	:	Moringa leaf powder based iron supplement
2	Title of on farm trial	:	Effect of Moringa leaf powder in treating iron deficiency Anemia (IDA) among women of reproductive age group
3	Problem Diagnosed	:	Prevalence of iron deficiency Anemia (IDA) in women of Bundelkhand region (reproductive age group 15-45 years)
4.	Farmer situation	:	Routine diet with insufficient iron supplement
5.	Production system and thematic area	:	Women and child care
6.	Existing practice	:	T_1–Routine diet with insufficient iron supplement
7.	Details of technologies selected for assessment/refinement	:	T_2 –Mixture of moringa leaf powder (80%) + Jaggery (20%)
8.	Source of technology	:	Vydehi Institute of Madical Science and Research, Banglore, Karnataka
9.	No. of women	:	40
10.	Critical input/ expected budget	:	Mixture of moringa leaf powder + Jaggery(Rs. 20,000)
11.	Performance indicators Technical: Economic: Social:	:	• Hemoglobin level (gms) • Cost of prepared iron supplement • Acceptability of prepared iron supplement

OFT – 4

	Crop/ Enterprises		Cucurbits
1	Title of on farm trial		Assessment of plug-tray nursery rising of cucurbits in soilless media.
2	Problem Diagnosed		Direct sowing in field and its management involve more economic cost
3	Farming situation		Irrigated
4	Production system and thematic area		Nursery raising for early producing of summer cucurbit
5	Farmers practice		T_1- Direct sowing
6	Details of technologies selected for assessment/refinement		T_2- plug-tray nursery rising and transplanting
7	Source of technology		IARI, New Delhi
8	No. of farmers		13
9	Area		1 ha.
10	Critical input and cost		Plastic Plug-tray, coco-pith, seed, perlite, vermi-compost Rs. 6000.00
	Performance indicators Technical: Economic: Social:		➢ Days to attain 5-7 leaf stage, Survival percentage, Days to first picking, Yield (q/ha.) ➢ B:C ratio ➢ Acceptability

OFT-5 (UnderTSP Program)

1. Crop/Enterprise	Wheat flour and MoringaOleifera leaf powder
2- Title of On Farm Trial	Enrichment of wheat flour with moringaoleifera leaf powder to combat malnutrition
3- Problem Diagnosed	Prevalence of Malnutrition in children /women of Schedule Tribe community
4- Farmers Practices	T1- Wheat Flour (100%)
5- Details of Technologies	T2- Wheat Flour: MoringaOleifera leaf powder (95:5) T3- Wheat Flour: MoringaOleifera leaf powder (93:7) T4- Wheat Flour: MoringaOleifera leaf powder (90:10)
6- Source of Technology	University of Agricultural Science, Bangalore
7- No. of Farm Women	15
8- Critical Input	Wheat Flour, MoringaOleifera leaf powder and MoringaOleifera plant
9- Cost	Rs.3000
10- Performance Indicator Technical	Nutrient content Hemoglobin level before and after intervention Anthropometric measurement (height and weight) Sensory evaluation
Social	Acceptability and Adoption of technology

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/ demonstration	Parameters identified
(A)	**Oilseed Crops**								
1	Sesame	GT-06	ICM/ Varietal evaluation	Improved Seed	Seed, fungicide, insecticide	*Kharif*, 2023	10	25	Yield & **B** : C ratio
2	Mustard	RH-749	ICM/ Varietal evaluation	Improved Seed	Seed, fungicide, insecticide	*Rabi*, 2023-24	20	50	Yield & **B** : C ratio
(B)	**Pulse Crops**								
3	Black gram	IPU 2-43	ICM/Varietal evaluation	Improved Variety	Seed, fungicide, insecticide	Kharif2023	10	25	Yield & **B** : C ratio
4	Moong	Shikha	ICM/Varietal evaluation	Improved Variety	Seed, fungicide, insecticide	Kharif,2023	10	25	Yield & **B** : C ratio
5	Pigeon pea	IPA-203	ICM/Varietal evaluation	Improved Variety	Seed, fungicide, insecticide	Kharif, 2023	10	25	Yield & **B** : C ratio
6	Chickpea	RBG-202	ICM/Varietal evaluation	Seed treatment with FIR	Seed, fungicide, insecticide	*Rabi*, 2023-24	10	25	Yield & **B** : C ratio
7	Field pea	IPFD 12-2	ICM/Varietal evaluation	Improved Variety	Seed, fungicide, insecticide	*Rabi*, 2023-24	10	25	Yield & **B** : C ratio
8	Lentil	IPL-315	ICM/Varietal evaluation	Improved Variety	Seed, fungicide,	*Rabi*, 2023-24	10	25	Yield & **B** : C ratio

					insecticide				
(C)	**Other than Oil seed & Pulses**								
9.	Kharif onion	L-883	Varietal Evaluation	L-883	Seedling	Kharif 2023	1	11	Yield & Economics
10.	Tomato	ArkaSamrat	Varietal Evaluation	ArkaSamrat/ ArkaAbhed	Seedling	Kharif 2023	1	25	Yield & Economics
11.	Wheat	K 1317	Varietal evaluation	Use of drought tolerant and short duration	Seed	*Rabi*, 2023-24	10	25	Yield & **B** : C ratio
12.	Barley	BHS-400	Varietal evaluation	Use of drought tolerant and short duration	Seed	*Rabi*, 2023-24	10	25	Yield & **B** : C ratio
13.	Oat	JHO-822	Varietal evaluation	Improved Variety		*Rabi*, 2023-24	1	10	Yield & **B** : C ratio
14.	Barseem	Bundel Barseem-3	Varietal evaluation	Improved Variety	Bundel Barseem-3	*Rabi*, 2023-24	1	10	Yield & **B** : C ratio
15.	Seasonal vegetables		Household food security.	Kitchen garden	Seeds and seedlings	*Rabi, Kharif*and Summer, 2023	1.0	50	Nutritional gain. Economical gain. **B** : C ratio
(D)	**livestock production and management**								
18	Buffalo		Disease Management	Deworming	Dewormer	Before and After Rainy Season	-	20	Health in untreate animals Health in treatec animals **B** : C ratio
19	Goat		Feeding Management	Nutrient Management	Mineral Mixture	During Milking stage of Animal	-	20	Milk yield in untreated anima and Milk yield ir treated animal. **B** : C ratio
					Total		**115.0**	**421**	

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	8	Round the year	150
2	Farmers Training	5	Round the year	155
3	Media coverage	10	Round the year	-
4	Training for extension functionaries	2	Round the year	80

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / Indicators
Grubber weeder	Vegetables	Rabi 2023	10	-	Grubber weeder	Time n tool factor (energy expenditure,

						heart rate etc.)

(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):

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	25		25	25		25	50
Water management	1	15		15	10		10	25
Integrated Crop Management	6	90		90	60		60	150
II Horticulture								
a) Vegetable Crops								
Off-season vegetables	2	30		30	20		20	50
Exotic vegetables like Broccoli	1	15		15	10		10	25
Protective cultivation (Green Houses, Shade Net etc.)	1	15		15	10		10	25
b) Fruits								
c) Ornamental Plants								
d) Plantation crops								
e) Tuber crops								
f) Spices								
g) Medicinal and Aromatic Plants								
III Soil Health and Fertility Management								
Soil fertility management	1	15		15	10		10	25
Soil and Water Conservation	1	15		15	10		10	25
Integrated Nutrient Management	1	15		15	10		10	25
Production and use of organic inputs	1	15		15	10		10	25
Soil and Water Testing	1	15		15	10		10	25
IV Livestock Production and Management								
Dairy Management	1	15		15	10		10	25
Rabbit Management/goat	1	15		15	10		10	25
Disease Management	2	30		30	20		20	50
Feed management	1	15		15	10		10	25
Production of quality animal products	1	15		15	10		10	25
V Home Science/Women empowerment								
Designing and development for high nutrient efficiency diet	2		30	30		20	20	50
Value addition	4		60	60		40	40	100
Income generation activities for empowerment of rural Women	1		15	15		10	10	25
Rural Crafts	1		15	15		10	10	25
VI Agril. Engineering								
VII Plant Protection								
Integrated Pest Management in vegetables	1	15		15	10		10	25
Integrated Disease Management in Zaid crops	1	15		15	10		10	25

Pest and disease management through biocontrol agents	1	15		15	10		10	25
Production technique of bio control agents and bio pesticides	1	15		15	10		10	25
VIII Fisheries								
IX Production of Inputs at site								
X Capacity Building and Group Dynamics								
Group dynamics	3	45		45	30		30	75
Formation and Management of SHGs	1	15		15	10		10	25
Mobilization of social capital	1	15		15	10		10	25
Entrepreneurial development of farmers/youths	1	15		15	10		10	25
WTO and IPR issues	1	15		15	10		10	25
XI Agro-forestry								
XII Others (Pl. Specify)								
TOTAL	**45**	**550**	**120**	**670**	**375**	**80**	**455**	**1125**
(B) RURAL YOUTH								
Technical training of Mushroom production	1	10	5	15	7	3	10	25
Seed production	1	10	5	15	7	3	10	25
Vermi-culture	1	15		15	5		5	20
Protected cultivation of vegetable crops	1	15		15	5		5	20
Dairying	1	10		10	5		5	15
Tailoring and Stitching	1		10	10		5	5	15
Rural Crafts								
TOTAL	**6**	**53**	**20**	**73**	**31**	**11**	**42**	**115**
(C) Extension Personnel								
Integrated Pest Management	1	15		15	5		5	20
Rejuvenation of old orchards	1	15		15	5		5	20
Protected cultivation technology	1	15		15	5		5	20
Capacity building for ICT application	1	15		15	5		5	20
Management in farm animals	1	15		15	5		5	20
Low cost and nutrient efficient diet designing	1		20	20		10	10	30
Any other (Pl. Specify) organic farming	1	15		15	5		5	20
TOTAL	**7**	**90**	**20**	**110**	**30**	**10**	**40**	**150**
G. Total	**58**	**693**	**160**	**853**	**436**	**101**	**537**	**1390**

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	4	60		60	40		40	100
Resource Conservation Technologies	1	15		15	10		10	25
Water management	1	15		15	10		10	25
Seed production	1	15		15	10		10	25
Integrated Crop Management	3	45		45	30		30	75
Fodder production	1	15		15	10		10	25
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	1	15		15	10		10	25
Protective cultivation (Green Houses, Shade Net etc.)	1	15		15	10		10	25

b) Fruits								
Training and Pruning	1	15		15	10		10	25
Layout and Management of Orchards	2	30		30	20		20	50
Cultivation of Fruit	1	15		15	10		10	25
Management of young plants/orchards	1	15		15	10		10	25
Rejuvenation of old orchards	1	15		15	10		10	25
c) Ornamental Plants								
d) Plantation crops								
e) Tuber crops								
f) Spices								
g) Medicinal and Aromatic Plants								
Nursery management	1	15		15	10		10	25
Production and management technology	1	15		15	10		10	25
III Soil Health and Fertility Management								
Soil and Water Testing	1	15		15	10		10	25
IV Livestock Production and Management								
Dairy Management	4	60		60	40		40	100
Poultry Management	1	15		15	10		10	25
Disease Management	4	60		60	40		40	100
Feed management	1	15		15	10		10	25
Production of quality animal products	1	15		15	10		10	25
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1		15	15		10	10	25
Design and development of low/minimum cost diet	1		15	15		10	10	25
Minimization of nutrient loss in processing	1		15	15		10	10	25
Gender mainstreaming through SHGs	1		15	15		10	10	25
Storage loss minimization techniques	1		15	15		10	10	25
Location specific drudgery reduction technologies	1		15	15		10	10	25
Women and child care	3		45	45		30	30	75
VI Agril. Engineering								
VII Plant Protection								
Integrated pest management in zaid vegetables	1	15		15	10		10	25
Safe storage of grains	1	15		15	10		10	25
Integrated pest management in summer vegetables	1	15		15	10		10	25
Disease management in summer vegetables	1	15		15	10		10	25
Importance of seed treatment in Kharif crops	1	15		15	10		10	25
IDM/IPM in kharif pulses	1	15		15	10		10	25
IPM/IDM in Kharif oilseeds crop	1	15		15	10		10	25
Preparation and use of Neem based products	1	15		15	10		10	25
Importance of soil and seed treatment in Rabi pulses	1	15		15	10		10	25
VIII Fisheries								

IX Production of Inputs at site								
X Capacity Building and Group Dynamics								
Leadership development	1	15		15	10		10	25
Group dynamics	3	45		45	30		30	75
Mobilization of social capital	3	45		45	30		30	75
XI Agro-forestry								
XII Others (Pl. Specify)								
TOTAL	**58**	**735**	**135**	**870**	**490**	**90**	**580**	**1450**

B) Consolidated (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	6	90		90	60		60	150
Resource Conservation Technologies	1	15		15	10		10	25
Water management	2	30		30	20		20	50
Seed production	1	15		15	10		10	25
Integrated Crop Management	9	135		135	90		90	225
Fodder production	1	15		15	10		10	25
Total	**20**	**300**		**300**	**200**		**200**	**500**
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	30		30	20		20	50
Off-season vegetables	1	15		15	10		10	25
Nursery raising	1	15		15	10		10	25
Exotic vegetables like Broccoli	1	15		15	10		10	25
Export potential vegetables	1	15		15	10		10	25
Protective cultivation (Green Houses, Shade Net etc.)	2	30		30	20		20	50
b) Fruits								
Training and Pruning	1	15		15	10		10	25
Layout and Management of Orchards	1	15		15	10		10	25
Management of young plants/orchards	1	15		15	10		10	25
Rejuvenation of old orchards	1	15		15	10		10	25
Micro irrigation systems of orchards	1	15		15	10		10	25
Plant propagation techniques	1	15		15	10		10	25
c) Ornamental Plants								
d) Plantation crops								
e) Tuber crops								
f) Spices								
g) Medicinal and Aromatic Plants								
Total	**14**	**210**		**210**	**140**		**140**	**350**
III Soil Health and Fertility Management								
Soil fertility management	1	15		15	10		10	25
Soil and Water Conservation	1	15		15	10		10	25
Integrated Nutrient Management	1	15		15	10		10	25
Production and use of organic inputs	1	15		15	10		10	25

Soil and Water Testing	2	30		30	20		20	50
Total	**6**	**90**		**90**	**60**		**60**	**150**
VI Livestock and management								
Dairy Management	5	75		75	50		50	125
Poultry Management	1	15		15	10		10	25
Rabbit Management /goat	1	15		15	10		10	25
Disease Management	6	90		90	60		60	150
Feed management	2	30		30	20		20	50
Production of quality animal products	2	30		30	20		20	50
Total	**17**	**255**		**255**	**170**		**170**	**425**
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1		15	15		10	10	25
Design and development of low/minimum cost diet	1		15	15		10	10	25
Designing and development for high nutrient efficiency diet	2		30	30		20	20	50
Minimization of nutrient loss in processing	1		15	15		10	10	25
Gender mainstreaming through SHGs	1		15	15		10	10	25
Storage loss minimization techniques	1		15	15		10	10	25
Value addition	4		60	60		40	40	100
Income generation activities for empowerment of rural Women	1		15	15		10	10	25
Location specific drudgery reduction technologies	1		15	15		10	10	25
Rural Crafts	1		15	15		10	10	25
Women and child care	3		45	45		30	30	75
Total	**34**		**495**	**495**		**330**	**330**	**825**
VI Agril. Engineering								
VII Plant Protection								
Integrated Pest Management	4	60		60	40		40	100
Integrated Disease Management	5	75		75	50		50	125
Bio-control of pests and diseases	2	30		30	20		20	50
Production of bio control agents and bio pesticides	2	30		30	20		20	50
Total	**13**	**195**		**195**	**130**		**130**	**325**
VIII Fisheries								
IX Production of Inputs at site								
X Capacity Building and Group Dynamics								
Leadership development	1	15		15	10		10	25
Group dynamics	6	90		90	60		60	150
Formation and Management of SHGs(HS)	1	15		15	10		10	25
Mobilization of social capital	4	60		60	40		40	100
Entrepreneurial development of farmers/youths	1	15		15	10		10	25
WTO and IPR issues	1	15		15	10		10	25
Total	**14**	**210**		**210**	**140**		**140**	**350**
XI Agro-forestry								
XII Others (Pl. Specify)								
TOTAL	**100**	**1500**		**1500**	**1000**		**1000**	**2500**
(B) RURAL YOUTH								

Mushroom Production	1	10		10	5		5	15
Seed production	1	10		10	5		5	15
Vermi-culture	1	10		10	5		5	15
Protected cultivation of vegetable crops	1	10		10	5		5	15
Nursery Management of Horticulture crops	1	10		10	5		5	15
Dairying	1	10		10	5		5	15
Rural Crafts	1		10	10		5	5	15
TOTAL	**7**	**70**		**70**	**35**		**35**	**105**
(C) Extension Personnel								
Integrated Pest Management	1	15		15	5		5	20
Rejuvenation of old orchards	1	15		15	5		5	20
Protected cultivation technology	1	15		15	5		5	20
Capacity building for ICT application	1	15		15	5		5	20
Management in farm animals	1	15		15	5		5	20
Women and Child care	1		15	15		5	5	20
Any other (Organic Farming)	1	15		15	5		5	20
TOTAL	**7**	**90**	**15**	**105**	**30**	**5**	**35**	**140**
Grant Total	**114**	**1445**	**235**	**1680**	**925**	**150**	**1075**	**2755**

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	13	200	50	250	23	5	28	223	55	278
KisanMela	1	250	50	300	30	10	40	280	60	340
KisanGhosthi	3	300	50	350	25	5	30	325	55	380
Exhibition	2	150	50	200	10	2	12	160	52	212
Film Show	2	200	50	250	5	2	7	205	52	257
Group meetings	10	120	10	130	8	2	10	128	12	140
Lectures delivered as resource persons	50	1250	250	1500	100	25	125	1350	275	1625
Newspaper coverage	30									
Radio talks	7									
TV talks	5									
Popular articles	10									
Extension Literature	10									
Advisory Services										
Scientific visit to farmers field	50	400	50	450	60	20	80	460	70	530
Farmers visit to KVK	1	550	200	750				550	200	750
Diagnostic visits	5	15	5	20	5	1	6	20	6	26
Exposure visits	2	50	10	60	5	1	6	55	6	61
Ex-trainees Sammelan	1	200	25	225	7	1	8	207	26	233
Soil health Camp	2	150	50	200	10	2	12	160	52	212
Animal Health Camp	2	70	20	90	10	5	15	80	25	105
Soil test campaigns	2	100	10	110	10	2	12	110	12	122

Farm Science Club Conveners meet	1	15		15	2		2	17		17
Self Help Group Conveners meetings	2		50	50	2	2	4	2	52	54
Celebration of important days (specify)	6	600	100	700	30	10	40	630	110	740
PPV&FRA workshop	1	200	50	250	10	2	12	210	52	262
Partheniumawareness week	1	200	50	250	10	2	12	210	52	262
SwachhataPakhwara	1	500	100	600	10	2	12	510	102	612
Total	**220**	**5520**	**1230**	**6750**	**372**	**101**	**473**	**5892**	**1326**	**7218**

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Wheat	Raj.-4120, K-1317	20
	Barley	BHS-400	10
OILSEEDS	Sesame	Pragati, RT-351	20
PULSES	Pigeon pea	TJT-501, IPA-203	50
	Black gram	IPU 2-43	100
	Green gram	IPM 2-3, Shikha	100
	Field pea	Aman, IPFD12-2	300
	Chick pea	JG-14/ RVG 202/RVG-203	400
VEGETABLES			
OTHERS (Specify)			
		Total	**1000**

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Papaya	Red lady/ PusaNanha	500
	Karonda	Purple	500
SPICES			
VEGETABLES	Tomato	Hybrids	4000
	Brinjal	Hybrids	4000
	Chilli	Hybrids	2000
	Cabbage	Hybrids	2000
	Cauliflower	Hybrids	2000
	Broccoli	Hybrids	400
	Onion	Bhima Super, Bhima Dark Red, N-53, ALR, L 883	30000
FOREST SPECIES			
ORNAMENTAL CROPS			
		Total	45400

Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1	Enriched vermin compost	Jai Gopal		500
2	Jeevamrit (l)			500

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle	Male/ Female	Sahiwal, Tharparkar	5	1
GOAT	Male/ Female	Bundelkhandi	6	1
SHEEP				
POULTRY	Male/ Female	Kadaknath		1
Pig farming				
FISHERIES				

4.6. Literature to be Developed/Published

(A) KVK News Letter

Date of start : 01.07.2017

Number of copies to be published : 2000

(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	
5	Popular article	6
6	Extension literature	5
	Total	**20**

(C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	CD	Extension activity	2

3.7. Success stories/Case studies identified for development as a case. - 02

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

Need assessment is based on observation PRA (Participatory rural appraisal) and household survey method. In PRA a multidisciplinary team of scientist gathered information and establishment rapport with the local community.

PRA is a methodology for interacting with villagers, under standing them and learning for them. It can form a basis for need assessment it can touch upon the problems faced by villagers in running of programmes with identification of problems, operation of projects. The following PRA method has been used in need analysis

a) Primary and Secondary data review
b) Direct observation
c) Social and resource mapping
d) Transact walk.
e) Semi-structured interview.
f) Historical transact.
g) Ranking and scouring.

After the identification of training needs, it is prioritized and selected for specific action as part of training programmes.

-In-service personnel

Before the development and organized training programme for extension personnel training needs was assessed. Firstly, analysis the job of extension functionaries what actually the the extension worker is doing and what job should be done by him keeping in view the specific knowledge and skill required for performing his role. Secondly, Task and skill also be analyzed before the training programme.

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT :

Before identifying OFT programmes, existing problems of farmers in defined area will be diagnosed. After that we study the farmer's circumstances and farmer's practices. After those problems and their causes will be analyze and list out the possible solutions. Screen out possible solutions on the basis of their feasibility, sustainability and farming system compatibility.

For FLD :

Identification of FLD agreement, knowledge about surrounding area, villages and farms, farming situation, resources , cropping system, productivity of measures crop, major issues and problems will be collected through PRA tools. Exchange information with local extension worker, then proven technology selected that suitable to fit in the existing farming situation of the area. We also consult the researchers who are responsible for release of technology.

3.10 Field activities

i. Name of villages identified/adopted with block name (from which year) -
   1. Lamaura, Block- Jaitpur (2018- 19)
   2. Koniya, Block- Panwari (2018-19)

ii. No. of farm families selected per village : 50

iii. No. of survey/PRA conducted : 02

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment :

2. List of equipments purchase with amount

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	20	
Water				
Plant				
Total	**1000**	**1000**	**20**	

4.0 LINKAGES

4.1 Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1.	Department of Agriculture, Mahoba	Training
2.	Department of Horticulture, Mahoba	Training
3.	IFFCO, (CORDET),	Soil Testing
4.	CSAUA&T, Kanpur	Seed
5.	ICAR-Indian Institute of Pulses Research, Kanpur	Seed
6.	Pan Research Centre, Mahoba	Training & planting material

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage
1		
2		

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1		
2		

4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		
2		

5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1		
2		
	Total	

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 :

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
Jan	PF	Integrated Weed Management For Pulse Crop	1	25		25	10		10	25
May	PF	Improved cultivation techniques of urd	1	25		25	10		10	25
June	PF	Improved cultivation techniques of till	1	25		25	10		10	25
July	PF	Integrated Weed Management in Moong	1	25		25	10		10	25
Aug	PF	Importance of Integrated farming		25		25	10		10	25

		system								
Sept.	PF	Improved cultivation techniques of chickpea	1	25		25	10		10	25
Oct.	PF	Improved cultivation techniques of Field Pea	1	25		25	10		10	25
Nov	PF	Scientific cultivation technique of Wheat	1	25		25	10		10	25
Dec	PF	Cultivation technique of Mustard	1	25		25	10		10	25
Horticulture										
January	PF	Advance production technology of Cucurbits & okra in Zaid season	1	25		25	10		10	25
June	PF	Production & storage technology of Kharif onion for Bundelkhand region.	1	25		25	10		10	25
Sept.	PF	Scientific cultivation techniques of solanaceous vegetables	1	25		25	10		10	25
Livestock production.										
Jan	PF	Deworming in animals	1	15		15	10		10	25
March	PF	Hay and silage making	1	15		15	10		10	25
May	PF	Goat Farming	1	15		15	10		10	25
July	PF	Modern dairy farming	1	15		15	10		10	25
Sept	PF	Control of ecto&endo parasites in animals	1	15		15	10		10	25
Nov	PF	Milk and Milk products	1	15		15	10		10	25
Agril. Extension.										
Feb	PF	Participation seed production technology	1	25		25	10		10	25
May	PF	Motivational training of SHGs members	1	25		25	10		10	25
June	PF	Awareness about improved agricultural technologies	1	25		25	10		10	25
July	PF	Formation of FIG's and its role of rural development	1	25		25	10		10	25
Sept.	PF	Importance of KCC and bank loan to economic empowerment of villagers	1	25		25	10		10	25
Oct..	PF	Needs of Protection of Plant Varieties and Farmers Right	1	25		25	10		10	25
Nov.	PF	Entrepreneurial development of farmer/ youth	1	25		25	10		10	25
Home Science										
Jan	FW	Development of nutrient rich pickle and other products from seasonal fruits and vegetables	1		25	25		10	10	25
February	FW	Vegetable preservation techniques for off season consumption	1		25	25		10	10	25
April	FW	Small scale income generating enterprise through diyabatti making	1		25	25		10	10	25
May	FW	Development of Protein and energy rich diet for school going children	1		25	25		10	10	25
July	FW	Design and development of iron rich diet for women	1		25	25		10	10	25

Sep.	FW	Nutritive products of linseed	1		25	25		10	10	25
Nov	FW	Value addition of groundnut and its products	1		25	25		10	10	25
Dec	FW	Craft from waste material for income generation	1		25	25		10	10	25
Plan protection										
February	PF	Production technique of bio control agents and bio pesticides	1	25		25	10		10	25
April	PF	Integrated Pest Management in summer vegetables	1	25		25	10		10	25
June	PF	Integrated Disease Management in Kharif crops	1	25		25	10		10	25
August	PF	Pest and disease management through biocontrol agents	1	25		25	10		10	25
Soil Health										
April	PF	Importance of soil testing in crop production	1	25		25	10		10	25
June	PF	Rain water management	1	25		25	10		10	25
July	PF	Improvement of soil fertility through green manuring	1	25		25	10		10	25
Oct.	PF	INM in rabi pulses	1	25		25	10		10	25
Nov.	PF	Production of organic manures	1	25		25	10		10	25

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
Jan.	PF	Integrated weed management in Wheat	1	25		25	10		10	25
Feb	PF	Irrigation management For Pulses	1	25		25	10		10	25
April	PF	Integrated weed management in Urd	1	25		25	10		10	25
May	PF	Integrated weed management in moong	1	25		25	10		10	25
June	PF	Scientific cultivation technique of Groundnut	1	25		25	10		10	25
July	PF	Scientific cultivation technique of fodder production	1	25		25	10		10	25
Sept.	PF	Improved cultivation techniques in mustard	1	25		25	10		10	25
Oct.	PF	Improved seed Production Technology of Pulses	1	25		25	10		10	25
Nov.	PF	Integrated weed management for pulses	1	25		25	10		10	25
Dec.	PF	Scientific cultivation technique of Barley	1	25		25	10		10	25
Horticulture										
Jan.	PF	Scientific production technology of Papaya	1	25		25	10		10	25
Feb.	PF	Management of young plants/orchards	1	25		25	10		10	25
Feb.	PF	Post Harvest cleaning, grading and sorting of fruits & vegetables (FPO)	1	25		25	10		10	25
April	PF	Training on Bahar treatment in fruit	1	25		25	10		10	25

		crops								
May	PF	Establishment of New Orchard with drip irrigation systems	1	25		25	10		10	25
June	PF	Production technology of Medicinal & Aromatic crops	1	25		25	10		10	25
July	PF	Management of cucurbits & okra during Kharif season	1	25		25	10		10	25
Aug.	PF	Nutrient management of vegetable crops	1	25		25	10		10	25
Aug.	PF	Cultivation technique of Marigold (FPO)	1	25		25	10		10	25
Sep.	PF	Production technology of legume vegetables	1	25		25	10		10	25
Sep.	PF	Nursery management of vegetables crops	1	25		25	10		10	25
Oct.	PF	Scientific Cultivation of cole crops	1	25		25	10		10	25
Nov..	PF	Nutrient management of fruit crops	1	25		25	10		10	25
Dec.	PF	Preparation & application of liquid organic manures of Horticulture crop	1	25		25	10		10	25
Live Stock Production.										
January	PF	Clean milk production	1	15		15	10		10	25
February	PF	Cleaning and Sanitation of dairy farm	1	15		15	10		10	25
March	PF	Disease management of dairy animals	1	15		15	10		10	25
April	PF	Poultry Production	1	15		15	10		10	25
May	PF	Management of heat stroke	1	15		15	10		10	25
June	PF	Summer management of dairy animals	1	15		15	10		10	25
July	PF	Vaccination in animals and its economical importance	1	15		15	10		10	25
August	PF	Role of probiotic ruminant.	1	15		15	10		10	25
October	PF	Anoestrus in buffalo and its solution	1	15		15	10		10	25
November	PF	Artificial insemination in animals	1	15		15	10		10	25
December	PF	Quality improvement of roughages by urea treatment	1	15		15	10		10	25
Agril. Extension										
April	PF	Leadership development	1	25		25	10		10	25
May	PF	Awareness about govt. scheme related to farming communities	1	25		25	10		10	25
June	PF	Motivational training of FIGs members	1	25		25	10		10	25
July	PF	Awareness & care in use of kisan credit card	1	25		25	10		10	25
Sept	PF	Importance of sanitation in plant and human health	1	25		25	10		10	25
Oct.	PF	Participatory seed production technology	1	25		25	10		10	25
Nov.	PF	Awareness of effect of excessive use of chemicals for human beings	1	25		25	10		10	25
Home science										
Jan	FW	Nutritional requirement for pregnant and lactating mother	1		25	25		10	10	25
March	FW	Importance of Poshakthali for human health	1		25	25		10	10	25
April	FW	Methods to prevent nutrient loss during cooking	1		25	25		10	10	25

May	FW	Development of low-cost nutritious recipes from locally available food resources	1		25	25		10	10	25
June	FW	Grain storage technique at household level	1		25	25		10	10	25
August	FW	Awareness and nutritional management for adolescent girls to prevent Anemia	1		25	25		10	10	25
Sep.	FW	Drudgery reduction technologies in agriculture for women	1		25	25		10	10	25
October	FW	Importance of nutritional garden	1		25	25		10	10	25
Nov	FW	Leadership development among women folk	1		25	25		10	10	25
Plant Protection										
March	PF	Integrated pest management in zaid vegetables	1	25		25	10		10	25
May	PF	Safe storage of grains	1	25		25	10		10	25
June	PF	Integrated pest management in summer vegetables	1	25		25	10		10	25
July	PF	Disease management in summer vegetables	1	25		25	10		10	25
August	PF	Importance of seed treatment in Kharif crops	1	25		25	10		10	25
September	PF	IDM/IPM in kharif pulses	1	25		25	10		10	25
October	PF	IPM/IDM in Kharif oilseeds crop	1	25		25	10		10	25
November	PF	Importance of soil and seed treatment in Rabi pulses	1	25		25	10		10	25
December	PF	Preparation and use of Neem based products	1	25		25	10		10	25
Soil health										
May	PF	Importance of soil testing technology in crop production	1	25		25	10		10	25

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Entrepreneurship development	RY	Entrepreneurship development among women through Stitching and Tailoring	Aug	6		10	10		5	5	15
Cattle	RY	Scientific Dairy Farming	Jun	5	10		10	5		5	15
Propagation of Fruit crops	RY	Propagation of horticulture crops	July	5	8		8	7		7	15
Protected Cultivation Technology	RY	Protected Cultivation Technology	Sept	5	10		10	5		5	15
Vermi and NADEP compost	RY	Preparation of vermiand NADEP compost	Aug	5	10		10	5		5	15
Income generating activity	RY	Technical training of mushroom production	Oct.	5	10		10	5		5	15

Seed production technology	RY	Seed Production Technology Of Field crop	Dec	6	10	-	10	5		5	15

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
Jan	Animal Husbandry	Disease management of dairy animals	1	15	-	15	5	-	5	20
May	Horticulture department/ Agriculture department employees	Layout & designing of new Orchard	1	15	-	15	5	-	5	20
Aug.	Aganwadi workers /Swasthasakhi	Low cost nutritious diet for prevention of malnourishment among children	1	-	15	15	-	5	5	20
Sep	Dept. of Agriculture	Use of bio pesticide in plant protection	1	15	-	15	5	-	5	20
Oct.	EF/NGO/Agriculture Dept.	Role of ICT in Agricultural development	1	15	-	15	5	-	5	20
Nov	Horticulture Dept.	Protected cultivation technology of horticulture crop	1	15	-	15	5	-	5	20
Dec	Dept. of Agriculture	Organic Farming	1	15	-	15	5	-	5	20

iv) Sponsoredprogramme

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

Action Plan of KVKs for Knowledge Systems and Homestead Agriculture Management in Tribal Areas (KSHAMTA) for the Year 2022-23

Name of KVK:KrishiVigyan Kendra, Belatal, Mahoba
Percentage of Tribal Population in District:0.07% (647) as per Census, 2011
Number of tribal dominated villages in District: Nil (04 villages with tribal population)

Particulars	**Percentage of Tribal Population**	
	More than 50%	**25-50%**
No of Village		
04	-	Only 0.07 %

Village-wise categories of farmers and their resources:

Name of Village	**Categories of farmers on the basis of land holding**	**No. of farmers**	**Major production systems followed**	**Categories-wise Availability of production resources**
Mahoba Nagar	Land less	52	Hawkers	Resource poor
Kabrai	Land less	10	Hawkers	Resource poor
Shri Nagar	Land less	435	Hawkers	Resource poor
Ajnar	Land less	35	Black smith	Resource poor

Brief Agro-eco system analysis of the villages:
In Mahoba district there are four places namely Mahoba Nagar (Alampura), Kabrai, Ajnar and Shri Nagar, where tribal population are found. They were Bhotia and Tharu tribes locally known as *Kuchbadhia* , which comes under Jaitpur and Kabrai blocks of the district. Now- a- days there are 300 families' residing in temporary huts in these four pockets. All the families are land less, living with below poverty line and live with very few resources. Scarcity of water is one of the major problems for the people. Some families were rearing only goat. Most of the tribes engaged in street selling of goods like water melon, dry fruits, dal, khurpi, spade,sickle, axe etc. and collecting junk materials here and there is one of the major sources of income for their livelihood of the villagers, some are baggers and wage workers as per availability of work.Farming system of the district is mostly influenced by the soil types, rainfall and irrigation facilities. Generally practice mono-cropping system and about 75% area is being left fallow during *Kharif* season and about 58% area is sown as rainfed during winter season. Important vegetables like tomato, brinjal and cucurbits are grown as cash crops near by wells and periphery of the ponds. Livestock is the backbone of farming systems hence unimproved breeds of animals and poor nutritional management causes low productivity.

Important proven Technologies identified by KVK/SAU/ICAR Institute for dissemination in Tribal Communities and farmers
(Technologies each in area of farm machinery, value addition, horticulture, employment generation, crop science, NRM, animal husbandry and other areas with detailed impact of those technologies etc.)

Thematic area	**Technology with details**
Crop diversification	All are landless
NRM (Climate resilient technologies)	All are landless
NRM (Water saving technologies)	All are landless
Hi tech Horticulture	All are landless
Farm Machinery/ Community storage	All are landless
Entrepreneurship/ Employment Generation/ Nutrition	**Goatery as an Enterprise :** KVK will be Organize training programs for farmers and farm women in groups namely goat farm management and establishes model demonstration farm for goats for proper marketing. Farm women organize goat exhibition for promotion of goat farming under supervision of KVK. **Mushroom Production :**

	Training of Farm women of Self-Help Group in low cost oyster mushroom production. **Backyard Poultry :** KVK will Organize training and demonstration programmes, it will be demonstrated in large number of farmers as a subsidiary source of income. Introduction of good quality breeds of birds by the KVK will motivated farmers to adopt it. **Sale Counters** : selling of goods like water melon, dry fruits and Agricultural implements like khurpi, spade, sickle, axe, pulses, besan (gram flour) etc. at their residing places.
Processing and Value Addition	Training and establishment of pulse processing units, Handy crafts from date palm, Bamboo, palash material etc.
Animal Sciences and Fisheries	**1. Technology identified in goatery** • Construction of raised platform for goats • Scheduled vaccination through master trainers. • Regular Deworming • Supplementary feed.
Others- Nutri garden	Nutri garden in grow bags will facilitates landless farmers to get fresh vegetables from homestead agriculture.

Action plan and budget estimate for year 2022-23

S.NO.	Items/Activities	Units	No. of Programs Conducted/ Quantity (as per Activity)	No. of Beneficiaries (No. of Participants)	Budget Rs. in Lakh
1	Trainings (capacity building/skill Develop. etc.)	No.	12	240	0.20
	On Farm Trials (OFTs)	No.	1	30	0.50
3	Front Line Demonstrations (FLDs) and other demonstrations (Nutritional garden, Backyard poultry & Mushroom cultivation)	No.	4	70	2.70
4	Awareness camps, exposure visits etc.	No.	6	180	1.20
5	Input Distribution				
5.1	Seeds (field crop) Production	Quintal			0.00
5.2	Fish spawns/finger lings	No.			0.00
5.3	Livestock strains and fingerlings produced for farmer (under FLD)	No.	1000	20	2.10
5.4	Planting material produced for farmer (under FLD)	No.	2000	20	0.50
6	Services/Facilitation				
6.1	Testing samples of soil and water				
6.2	Promotion of agri/entrepreneurship	No.	9	9	9.00
6.3	Natural farming				0.00
6.3.1	No. of Demonstration				

6.3.2	No. Trainings				
6.3.3	No. of Awareness Programs				

Community assets to be created through KVK Interventions

Sr. No.	Activity proposed	Community Assets proposed to be created		Location (Village and Block)	No of targeted beneficiaries to be benefited	Details of equipment's with cost (₹)	Total Financial allocation (₹)		% of contribution to Total Financial allocation by community (₹)	
		Name	Number				Capital	General	Capital	General
1	**Sell Counter** (Providing platform for trained farmers for selling their products)	Selling their products	2	Shrinagar, Alampura, Mahoba	20 Families	***Gumti*iron made, weighing balance, weights**	120000.00	--	00.00	00.00
2	Flour mill unit	Flour mill	1	Alampura, Mahoba	10	Flour mill unit	100000.00	30000.00	00.00	00.00
3	Agarbati and dhoopbati making	Mechanical unit for agarbatti and dhoopbatti	3	Kabrai, Ajnar, Alampura, Shrinagar, Mahoba	30	Manual agarbatti making machine, dhoopbattimolds, sealing machine, mixture and storage container etc.	200000.00	200000.00	00.00	00.00
4	Diya making	Manual diya making machine	3	Kabrai, Ajnar, Alampura, Shrinagar, Mahoba	30	Manual diya making machine, molds, mixture and storage 4container etc.	150000.00	100000.00		
5	Back Yard Poultry	Chicks & cage	5 cage & 1000 chicks	Kabrai, Mahob, Srinagar	25	Chicks, feed & Iron cage etc.	60000.00	150000.00	00.00	00.00
Total							**630000.00**	**480000.00**	00.00	00.00

Nutritional Sensitive Agriculture

Particulars	Number	Cost/unit	Total cost (₹)
Homestead nutrition garden (Nutri garden in grow bags) for round the year (zaid, kharif and rabi seasons)	20	2500.00	50,000.00
Promotion of Mushroom cultivation & its consumption	10	1000.00	10000.00
Total	**30**	**-**	**60,000.00**

Scientists looking the project: Dr.Mukesh Chand, Dr. Amrita Singh and Dr. BrijeshPandey, KVK, Belatal, Mahoba

Summary of 02 Villages adapted by KVK for DFI:

Name of the KVK	Name of Villages	Block & Tehsil of Village	Total Population of Village	No of Farmer Family in the Village	Distance of Village from KVK	Distance between both Villages
Mahoba	Lamaura	Jaitpur, Kulpahar	1716	276	04	30.2
	Kauniya	Panwari, Kulpahar	740	148	26.2	30.2

Detail Information of 02 Villages adapted by KVK for DFI:

S.N.	Particular	Detail information in r/o Village1	Detail information in r/o Village2
1	Name of KVK	**KrishiVigyan Kendra, Mahoba**	**KrishiVigyan Kendra, Mahoba**
2	Name of villages to be adopted by KVK	**Lamaura**	**Kauniya**
3	Number of farmers to be targeted	**20**	**20**
4	Area of agriculture land (ha):	**286**	**233**
5	Area of irrigated land (ha):	**100**	**163**
6	Number of water body:	**02**	**04**
7	Area of water body (ha):	**50**	**4**
8	Number of different livestock animals:	**640**	**1100**
9	Soil status:	**Low to medium fertility status**	**Low to medium fertility status**
10	Average nutrients (nitrogen, phosphorous, potash, etc.) used:	**Nitrogen- High Phosphorous- Medium Potash- Low Micro Nutrient- Nil**	**Nitrogen- High Phosphorous- Medium Potash- Low Micro Nutrient- Nil**
11	Major diseases occurred in crops:	**YMV and Cercospora leaf spot in moong and Urd, Phillody in sesame, Tikka disease in Groundnut, Leaf curl disease in Chilli and tomato, Wilt in Chickpea**	**YMV and Cercospora leaf spot in moong and Urd, Phillody in sesame, Tikka disease in Groundnut, Leaf curl disease in Chilli and tomato, Wilt in Chickpea, Red rot in sugarcane**
12	Major diseases occurred in livestock:	**FMD, PPR in Goat, Black Quarter**	**FMD, HS, PPR in Goat, infertility in animals**
13	Post-harvest management/ value addition followed, if any:	**Nil**	**Nil**

14	Marketing channels of products:	**Direct sell in local mandi**		**Direct sell in local mandi**	
15	Agro-based industries, if any:	**Nil**		**Nil**	
16	Average income of the farmer:	**46000-50000**		**25000-30000**	
17	Average yield of livestock:	**Cow-1.2 lit./day, Buffalo-5-6 lit./day**		**Cow-1.0 lit./day, Buffalo-5-6 lit./day**	
18	Average yield of fisheries:	**Started in current season**		**N/A**	
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**
		Sesame	**3.0**	Sesame,	**3.2**
		Wheat	**5.2**	Wheat	**5.8**
		Chick Pea	**10.5**	Chick Pea	**11.0**
		Field Pea	**13.5**	Field Pea	**14.2**
		Urd bean	**5.2**	Urd bean	**5.0**
		Moong bean	**4.8**	Moong bean	**4.9**
		Mustard	**6.5**	Mustard	**7.0**
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**
		IIPR/ IGFRI		**IIPR/IGFRI**	
21	**Possibility of involving private sectors for CSR funds (TCS, WIPRO, Reliance Industries, Bill &Millinda Gates Foundation, Dhanuka Group, Surya Foundation, Mahindra & Mahindra, etc.):**	**Name of Private Sector**	**Likely Helps to be Taken**	**Name of Private Sector**	**Likely Helps to be Taken**
		Dhanuka		**Dhanuka**	
22	**Name of other partners to be involved (State Deptt./ Central govt. Deptt./ PSU/ NGO/ Private org.):**	**Name of the Departments**	**Likely Helps to be Taken**	**Name of the Departments**	**Likely Helps to be Taken**
		State Department/ NGO/Central Govt.		**State Department/ NGO/Central Govt.**	
23	**FPO formed or not? (YES/NO)**	**Yes**		**No**	
24	**Major interventions planned for Villages**	**List of Interventions**		**List of Interventions**	
		Levelling and bunding of agricultural land		Levelling and bunding of agricultural land	
		Use of drought tolerant varieties of pulses and oilseeds		Use of drought tolerant varieties of pulses and oilseeds	
		Popularisation of precise irrigation methods (Drip and Sprinkler)		Popularisation of precise irrigation methods (Drip and Sprinkler)	

		Production and use of organic inputs/ Crop residue management (eg. Vermi-compost, NADEP and Green manuring through *Dhaincha*)	Production and use of organic inputs/ Crop residue management (eg. Vermi-compost, NADEP and Green manuring through *Dhaincha*)
		Demonstration of IFS module and Income generating activities in dairy sector (Goatry and Backyard Poultry)	Demonstration of IFS module and Income generating activities in dairy sector (Goatry and Backyard Poultry)
		Breed Improvement and Feed management (Green Fodder, Mineral mixture) with vaccination	Breed Improvement and Feed management (Green Fodder, Mineral mixture) with vaccination
		Organising training programmes, Awareness camp and Exposure visits	Organising training programmes, Awareness camp and Exposure visits
		Feed management (Green Fodder, Mineral mixture) and vaccination	Feed management (Green Fodder, Mineral mixture) and vaccination

Prakratik kheti

S.No	Details	Activities
1	Starting Year	2021-22-
2	Selection of the farmers	50(2 Cluster) Cluster 1: Village Dadri Cluster2: Village Kunata (25 Framers in each village)
3	Training Programs	02 programs on jaivikKheti
4	Distribution of seeds, worms, sprayers etc	Seed, Kitchen garden kit, Planting material, sprayers , Worms, etc.
5	Certification of Organic Farmers	Under progress (PGS System)
6	Villages Selected under Jaivik Corridor	8 Villages (02 villages in each block)
7	On acre trail under organic farming at the center	KVK, Belatal, Mahoba
8	Economics of the trail	-

ANNUAL ACTION PLAN
of
Krishi Vigyan Kendra, Hamirpur
(January, 2023 to December, 2023)

3. TECHNICAL PROGRAMME

3. A. Details of targetted mandatory activities by KVK

OFT		FLD	
Number of OFTs	**Number of Farmers**	**Area of FLDs (ha.) /no.**	**Number of Farmers**
13	131	11.0/150	250
Training		**Extension Activities**	
Number of Courses	**Number of Participants**	**Number of activities**	**Number of participants**
112	2271	370	9310
Seed Production (Qtl.)		**Planting material (Nos.)**	
Seed Hub- 1234.0 **KVK Farm** 182.0		**20000**	

3.2 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	Vegetables	LPM	TOTAL
Varietal Evaluation		01	01	02		**04**
Drudgery reduction	01					**01**
IPM			02			**02**
RCT	02					**02**
Nutritional Security	01					**01**
LPM					**02**	**02**
TOTAL	**04**	**01**	**03**	**02**	**02**	**12**

Details of On Farm Trial
On Farm Testing (OFT) –01

Discipline: Agronomy **Season:** ***Summer***
Crop/ enterprise: Green Gram **No. of Trial: 04**
Farming Situation: Rainfed **Area / No. : 0.4 ha**

Thematic Area	Agronomic evaluation
Problem diagnosed	Low yield due to delay in sowing and wheat residue burining
Title of OFT	Assessment of conservation tillage in summer green gram
Farmers Practice (T_1)	Sowing of green gram through conventional tillage
Technology to be Demonstrated (T_2)	Direct sowing of green gram by happy seeder
Source of Technology	Panjab Agriculture University, Ludhiana
Year of release	2019
Critical input	Seed @ 2kg

Parameter observation	Technical i) No of branches/plant ii) No. pod per plant iii) No. of seed per pod iv) Yield kg/ha Economic i) Cost of cultivation Rs./ha ii) Gross return Rs./ha iii) Net profit Rs./ha iv) B:C Ratio Social i) Availability & Adoption of technology

On Farm Testing (OFT) –02

Discipline: Agronomy **Season:** ***Kharif***
Crop/ enterprise: Pigeon pea **No. of Trial: 05**
Farming Situation: Rainfed **Area / No. : 1.0 ha**

Thematic Area	Agronomic evaluation
Problem diagnosed	Lower productivity and profitability in Pigeonpea cultivation due to imbalance application of nutrients
Title of OFT	Assessment of micronutrients and NAA application in pigeonpea
Farmers Practice (T_1)	Application of D.A.P@ 60 kg/ha
Technology to be Demonstrated (T_2)	RDF(20:40:20 NPK, kg/ha)+Micronutrient 2ml/ha+NAA(25ppm) at flowering
Source of Technology	Bihar agriculture university, Sabour, Bihar
Year of release	2020
Critical input	Pigeon pea seed @ 3 kg + Micronutrient 2ml/ha + NAA(25ppm)
Parameter observation	Technical i) No. of branches/plant ii) No. pod per plant iii) No. of seed per pod iv)Pigeonpea yield kg/ha Economic i) Cost of cultivation Rs./ha ii) Gross return Rs./ha iii) Net profit Rs./ha iv) B:C Ratio Social i) Availability & Adoption of technology

On Farm Testing (OFT) –03

Discipline: Agronomy **Season:** ***Rabi***
Crop/ enterprise: Chickpea **No. of Trial : 04**
Farming Situation: Rainfed **Area / No. : 0.4 ha**

Thematic Area	Agronomic evaluation
Problem diagnosed	Low yield of chickpea due to Asphodelus tenuifolius
Title of OFT	**Assessment of early post- emergence herbicide in chickpea crop**
Farmers Practice (T_1)	No herbicide application
Technology to be Demonstrated (T_2)	Application of Oxyfluorfen @ 200 g/ha at 8 DAS
Source of Technology	**ARS, Mandor, Jhodhpur**
Year of release	2021

No. of farmers	05
Critical input	Seed @ 10 kg + oxyfluorfen @ 80 g
Parameter observation	**Technical** i) No. of Plants per m^2 and weeds per m^2 ii) No of pod bearing branches per plant iii)No. of pod per plant iv)No. of seeds per pod v) Grain yield q /ha **Economic** i) Cost of cultivation Rs./ha ii) Gross return Rs./ha iii) Net profit Rs./ha iv) B:C Ratio **Social** i) Availability & Adoption of technology

On Farm Testing (OFT) –04

Discipline: Horticulture **Season: Kharif**
Crop/ enterprise: Kharif Onion **Area:0.2 ha**
Farming Situation: Irrigated **No. of Trial: 08**

Thematic Area	:	Varietal evaluation
Problem diagnosed	:	Low yield due to use of local variety
Area Affected (in ha)	:	70% (area)
Title of OFT	:	Assessment of *Kharif* onion variety : Bhima Super
Technology to be Demonstrated	:	Varietal replacement, var. Bhima Super
Source of Technology and Year of release		NHRDF, New Delhi and DOGR, Pune (M.H.) Year: 2014
Farmers Practice (T_1)	:	**Local old variety -** N-53 (Color- Dark red, Storability- Maximum 45 days, Avg. Bulb weight 45-50 gram)
Technology (T_2)	:	**Improved variety** - Bhima Super (Color- Dark red, Storability - Maximum 3 months, Avg. Bulb weight 80-90 gram) + RDF N:P:K:S-100:50:80:20 kg/ha
Parameter observation	:	**Technical** i) No. of Bulb/ m^2 ii) Bulb diameter in cm iii) Average bulb weight iv) Yield q/ha v) TSS **Economic** i) Cost of cultivation Rs/ha ii) Gross return Rs/ha iii) Net profit Rs./ha iv) B:C Ratio **Social** i) Availability & Adoption of technology

On Farm Testing (OFT) –05

Discipline: Horticulture **Season: Rabi**
Crop/ enterprise: Tomato **Area: 0.1 ha**
Farming Situation: Irrigated **No. of Trial: 10**

Thematic Area	:	Varietal evaluation
Problem diagnosed	:	Low yield due to use of old variety and poor management of crop
Area Affected (in ha)	:	60% (area)
Title of OFT	:	Assessment of Tomato Variety –Kashi Chayan/Aman
Technology to be Demonstrated	:	Varietal replacement, Variety- Kashi Chayan/Aman
Source of Technology		**Indian Institute of Vegetable Research, Varanasi**
Year of release		2018 and 2013
Farmers Practice (T_1)	:	Localvariety/Hybrid - PusaRubi and Avilash{Character- Late maturity, **ToLCV (Tomato Leaf curl Virus)** Susceptible, Average fruit weight 45 and 60 g}
Technology (T_2)	:	**Kashi Chayan/Aman variety - Early maturity, ToLCV(Tomato Leaf curl Virus) resistant, Average fruit weight 80 gm + RDF N:P:K-120:80:50 kg/ha**
Parameter observation	:	**Technical** i) Plant Height ii) No. of fruits/plant iii) Fruit diameter iv) Average fruit weight v) Yield q/ha v) TSS **Economic** i) Cost of cultivation Rs./ha ii) Gross return Rs./ha iii) Net profit Rs./ha iv) B:C Ratio **Social** i) Availability & Adoption of technology

On Farm Testing (OFT) - 06

Discipline: Plant Protection **Season: Zaid/Rabi**
Crop/ enterprise: Brinjal **Area: 0.1 A**
Farming Situation: Rainfed **No. of Trial: 10**

Thematic Area	:	Integrated Pest Management (IPM)
Problem diagnosed	:	Infestation of insect pests causes heavy yield losses in brinjal
Title of OFT	:	Assessment of IMP module for management of brinjal shoot and fruit borer.
Farmers Practice (T_1)	:	Application of non-specific insecticides injudiciously
Recommended practices (T_2)	:	Application of **Emamectin benzoate 05.00SG@ 200.0 g/ha** in 500L of water
Technology to be Assessed (T_3)	:	**IPM module** having components as recommended cultural practices + weed management + monitoring of insect with pheromone trap + need based application of target specific insecticides **Emamectin benzoate 05.00SG@ 200.0 g/ha** in 500L of water)
Source of Technology	**:**	ICAR-NCIPM, New Delhi
Critical input	:	Pheromone trap and EMAMECTIN BENZOATE 5% SG @ 10g a.i./ha
Total cost	:	Rs. 10,000/-

Parameter observation	:	**Technical** i) No. of insecticide application ii) Percent fruit damage **Economic** i) Cost of cultivation Rs./ha ii) Gross return Rs./ha iii) Net profit Rs./ha iv) B:C Ratio **Social** i) Feedback of the farmers

On Farm Testing (OFT)-07

Discipline: Plant Protection **Season: Rabi**
Crop/ enterprise: Tomato **Area: 1.0 A**
Farming Situation: Rainfed **No. of Trial: 10**

Thematic Area	:	Integrated Disease Management (IDM)
Problem diagnosed	:	Leaf curl disease of tomato reduces the yield of crop up to maximum extent
Title of OFT	:	Assessment of disease management module for tomato leaf curl disease
Farmers Practice (T_1)	:	Application of nonspecific agro-chemicals injudiciously
Recommended practices (T_2)	:	Application of **Carbofuran 03.00% CG @ 40kg/ha**
Technology to be Assessed (T_3)	:	**IPM module** having components as recommended cultural practices for crop + weed management + monitoring of vector with yellow sticky trap + need based application of target specific insecticides (Carbofuran 03.00% CG @ 40.0 kg/ha)
Source of Technology	**:**	ICAR-IIVR, Varanasi
Year of Release	**:**	2015
Critical input	**:**	Yellow Sticky Trap and Carbofuran
Total cost	**:**	Rs. 10,000/-
Parameter observation	:	**Technical** i) No. of insecticide application ii) Percent disease incidence **Economic** i) Cost of cultivation Rs./ha ii) Gross return Rs./ha iii) Net profit Rs./ha iv) B:C Ratio **Social** i) Feedback of the farmers

On Farm Testing (OFT) – 08

Discipline: Animal Science
Season: *Kharif* **Farming Situation: Irrigated**
Enterprise: Goat **No. of Trial: 10**

Thematic Area	:	Animal Nutrition
Problem diagnosed	:	Poor growth rate, Low Body weight, low FCR, Mineral deficiency, Low milk yield
Title of OFT	:	Assessment of low cost balance concentrate feeding with supplementation of minerals mixture on goats
Farmers Practice (T_1)	:	T1 Sani feeding along with minerals mix not in practice

Technology (T_2)	:	100 gm concentrate feed plus 20 gm agromin forte M.M given / day/ animal
No. of Animals		20
No. of farmers/ location		10
Critical input		100 gm concentrate feed plus 20 gm agromin forte M.M given / day/ animal
Total cost		4500
Source of Technology	:	CAZRI, Jodhpur, Year 1998
Parameter observation	:	Body weight gain, Milk yield, B:C ratio

On Farm Testing (OFT) - 09

Discipline: Animal Science

Season: *Rabi* **Farming Situation: Irrigated**

Crop: Berseem **No. of Trial: 10**

Category of enterprises	Fodder
Title of OFT	Assessment of BL-44 variety of Berseem
Problems diagnose	Low yield of local variety
Technology Option	T_1 – Local variety (FP) T_2 – BL-44 (Assessment)
Source of technology	PAU, Ludhiana (Punjab)
Area	1 ha
No. of farmers	10
Critical input	Berseem seed
Cost	Rs 6000
Parameter recording	No. of cuttings ,Yield q/ ha & B:C ratio

On Farm Testing (OFT) -10

Discipline: Home Science **Season: Rabi**

Crop/ enterprise: Nutritional Security **No. of Trial: 10**

Thematic Area	:	Nutritional Security
Problem diagnosed	:	Malnutrition in women and children
Title of OFT	:	Enrichment of wheat flour with moringa oleifera leaf powder to combat malnutrition
Farmers Practice (T_1)	:	T1- Wheat Flour (100%)
Technology to be demonstrated (T_2)	:	T2- Wheat Flour: Moringa Oleifera leaf powder (95:5) T3- Wheat Flour: Moringa Oleifera leaf powder (93:7) T4- Wheat Flour: Moringa Oleifera leaf powder (90:10)
Source of Technology	:	University of Agricultural Science, Bangalore
Year		2018
Critical Input		Moringa Oleifera leaf powder and Moringa Oleifera plant
Expenditure		Rs. 3000/ trial
Parameter observation		**Technical:** Nutrient content Hemoglobin level before and after intervention Anthropometric measurement (height and weight) Sensory evaluation **Economic:** Performance in Household Activity **Social-** Acceptability and adoptability

On Farm Testing (OFT) -11

Discipline: Home Science **Year: 2023**
Crop/ enterprise: Drudgery reduction **Season: Kharif**
Farming Situation: Irrigated **No. of Trial: 10**

Thematic Area	:	Protective clothing/ Drudgery reduction
Problem diagnosed	:	Exposure to husk, dust, sun rays and face health problems like itching, irritation , cut and sores.
Title of OFT	:	Protective cloths for farm women during harvesting , threshing and winnowing activities of chickpea.
Farmers Practice (T_1)	:	T1- Use old shirt to cover their body and pallu of their saree or dupatta to cover their head and face.
Technology to be demonstrated (T_2)	:	T2- Use of protective clothes (apron,mask,gloves,plain glasses, and shoes)
Source of Technology	:	GBPUAT, Pantnagar
Year		2015
Critical Input		Apron, mask, hand gloves, plain glasses, and shoes
Expenditure		Rs.3000/-
Parameter observation		Suitability , Comfortability and work efficiency

On Farm Testing (OFT) -12

Discipline: Agriculture Extension
Crop/ enterprise: NRM **Season: 2023**
Farming Situation: Irrigated **No. of Farmers: 15**

Thematic Area	:	Rice- Wheat-Rice & Natural Resource management
Problem diagnosed	:	Crop stubble burning due to poor management
Title of OFT	:	Sustainable management of paddy stubble by PUSA bio-decomposer over other ways.
Farmers Practice	:	T1 – Stubble burning/ Convectional ways to manage stubble
Technology to be demonstrated		T2- Pusa Bio-decomposer use to manage stubble
Source of Technology		IARI, PUSA, New Delhi.
Year of Technology		2019
No. of trail/Rep.		03
Critical Input		PUSA Bio-decomposer
Total cost		100
Parameter observation	:	**Technical** i) Organic matter content in Soil. ii) Duration of decomposition. Understanding of the information **Social** i) Farmer's Acceptability

On Farm Testing -13

Discipline: Agriculture Extension
Crop/ enterprise: TOT **Season: Throughout Year**
Farming Situation: Rainfed/Irrigated **No. of Farmers: 25**

Thematic Area	:	Information of Technology
Problem diagnosed	:	Lack of Information about agricultural Technologies at rural level
Title of OFT	:	Assessment of Rural Library for updating the knowledge at village level.
Farmers Practice	:	Farmers use traditional information sources.
Technology to be demonstrated	:	KrishakJagat,Kheti,Krishakdoot, KrishakBharati,Krishi chayanika, Krishak Vandana

Source of Technology	:	RVSKVV, Gwalior
Year of Technology		2018
NO. of trail/Rep.		05
Critical Input		Agricultural Magazines
Total cost		4000
Parameter observation	:	**Technical** i) Knowledge level & Education ii) Need and time based information iii) Understanding of the information iv) Applicability of information **Social** i) Availability & Adoption of information technology ii) Feedback & Farmers reaction

Front Line Demonstration (FLD) -01

Discipline: Agronomy **Year:** 2023
Crop/ enterprise: Pear millet **Season: *Kharif***
Farming Situation: Rainfed **No. of Demonstration: 10** **Area / No. : 4.0 ha**

Thematic Area	Nutrient management
Problem diagnosed	Low yield due to poor nutrient management
Title of Front Line Demonstration	Response of zinc application in pearl millet
Farmers Practice (T_1)	Application of Urea @ 25 kg/ha
Technology to be demonstrated (T_2)	**Nutrient application-** Zinc @ 20 kg/ha (RDF-N:P:K- 60:30:20)
Source of Technology	C.S.Azad University of Agriculture and Technology, Kanpur (U.P.)
Year	2014
No. of farmers	10
Critical input	Seed @ 1.5 Kg+ 4 kg Zinc sulphate
Parameter observation	**Technical** i) No. of tillers /plant ii) Lenth of ear iii) No. of leaves per plant iv) Yield kg/ha **Economic** i) Cost of cultivation Rs./ha ii) Gross return Rs./ha iii) Net profit Rs./ha iv) B:C Ratio **Social** Feedback from the farmers

Front Line Demonstration (FLD) -02

Discipline: Agronomy **Year:** 2023
Crop/ enterprise: Wheat **Season: *Rabi***
Farming Situation: Rainfed **No. of Demonstration: 10** **Area / No. : 4.0 ha**

Thematic Area	Resource conservation
Problem diagnosed	Yield reduction due to delay in sowing and problem of rice residue management
Title of Front Line Demonstration	Response of wheat crop under conservation tillage
Farmers Practice (T_1)	Conventional tillage
Technology to be demonstrated (T_2)	Sowing of wheat with Happy seeder/Super seeder
Source of Technology	Panjab Agriculture University, Ludhiana
Year	2009
No. of farmers	10
Critical input	Seed @ 40 kg
Parameter observation	**Technical** i) No. of Plants per m^2 ii) No of tillers per plant iii)No. of ears per plant iv)No. of seeds per ear v) Grain yield q /ha **Economic** **i**) Cost of cultivation Rs./ha ii) Gross return Rs./ha iii) Net profit Rs./ha iv) B:C Ratio

Front Line Demonstration (FLD) -03

Discipline : Horticulture **Season :*Kharif***
Crop/ enterprise : Bottle Guard **No. of Demonstration : 12**
Farming Situation: Irrigated **Area / No. : 02 ha**

Thematic Area	:	Varietal Evaluation
Problem diagnosed	**:**	**Low yield due to use of old variety/ hybrid –Saritha**
Title of Front Line Demonstration	**:**	**Demonstration of bottle guard improved variety – Kashi Ganga**
Farmers Practice (T_1)	:	**Old Variety / Hybrid** – Saritha (Character- Late maturity, Low yield – 280q/ha)
Technology to be demonstrated (T_2)	:	**Kashi Ganga –** Medium Fruit Size, Average fruit weight 600-800gm/ fruit, Resistant against Downey mildew, Yield 520q / ha + RDF N:P:K- 80:60:60 kg/ha
Source of Technology		**Indian Institute of Vegetable Research, Varanasi**
Year of release:		2010
Parameter observation	:	**Technical** i) Days taken for First Fruiting ii) No. of fruits/ plant iii) Average fruit weight iv)Yield q /ha v) TSS **Economic** i) Cost of cultivation Rs./ha ii) Gross return Rs./ha iii) Net profit Rs./ha iv) B:C Ratio **Social :** Feedback of the farmers

Front Line Demonstration (FLD) -04

Discipline : Horticulture **Season :*Rabi***
Crop/ enterprise : Vegetable Pea **Area / No. 1.0 ha**
Farming Situation: Irrigated **No. of Demonstration : 10**

Thematic Area	**:**	Varietal evaluation
Problem diagnosed	**:**	**Low yield due to use of old variety-Arkle**
Title of Front Line Demonstration	**:**	**Demonstration of Vegetable Pea Variety-Kashi Nandini**
Farmers Practice (T_1)	**:**	**Old variety – Arkle** (Character- Low production, Pod size -Small, Yield 50-60q/ha)
Technology to be demonstrated (T_2)	**:**	**Improved Variety-Kashi Nandini** - Pod Size- Medium, Yield 100-110 q/ha + RDF N:P:K-25:60:60 kg/ha
Source of Technology		**Indian Institute of Vegetable Research, Varanasi**
Year of release		2009 and 2010
Parameter observation	**:**	**Technical** i) No. of Pod / Plant ii) No. of Grains/Pod iii) Yield q /ha iv) TSS **Economic** i) Cost of cultivation Rs./ha ii) Gross return Rs./ha iii) Net profit Rs./ha iv) B:C Ratio **Social :** Feedback of the farmers

Front Line Demonstration (FLD) -05

Discipline: Plant Protection
Crop/ enterprise: Seeds **Season: *Zaid***
No. of Demonstration: 20 **Area / No. : 20**

Thematic Area	:	Insect Pest Management
Problem diagnosed	:	Significant losses of crop produce (seeds) in storage due to infestation of insect-pests
Title	:	Demonstration of super grain bags for management of insect-pests in storage
Farmers Practice	:	Use of storage structure with some inert materials and insecticides
Technology to be demonstrated	:	Use of super grain bag for storage of seeds
Source of Technology	:	Pest Control India, Lucknow
Year of Release	:	2014
Critical input	:	Super grain bag

Parameter observation		**Technical** i) Percent insect pests infestation **Economic** i) Cost of cultivation Rs./ha ii) Gross return Rs./ha iii) Net profit Rs./ha iv) B:C Ratio **Social** i) Feedback of the farmers

Front Line Demonstration (FLD)-06

Discipline: Plant Protection **Year: 2023**
Crop/ enterprise: Chickpea **Season: *Rabi***
No. of Demonstration: 20 **Area / No. : 20**

Thematic Area	:	Insect Pest Management
Problem diagnosed	:	Infestation of insect pests reduces the yield of agricultural/horticultural crops
Title	:	Demonstration solar light trap for management of nocturnal insects infesting the agricultural/horticultural crops
Farmers Practice	:	Application of insecticides
Technology to be demonstrated	:	IPM Module having components as recommended cultural practices for crop + weed management + monitoring of nocturnal insects with solar light trap + need based application of target specific recommended insecticides
Source of Technology	:	ICAR-NCIPM, New Delhi
Year of Release	:	2020
Critical input	:	Solar Light trap
Parameter observation		**Technical** i) No. of insecticide application ii) Percent fruit damage **Economic** i) Cost of cultivation Rs./ha ii) Gross return Rs./ha iii) Net profit Rs./ha iv) B:C Ratio **Social** i) Feedback of the farmers

Front Line Demonstration (FLD) -07

Discipline: Animal Science
Season: *Kharif* **Farming Situation: Irrigated**
Crop/ enterprise: Sorghum **No. of Demonstration: 15**

Thematic Area	:	Feed and Fodder Management
Problem diagnosed	**:**	**Low yield due to use of indigenous variety**
Title of Front Line Demonstration	:	**Demonstration of high yielding sorghum variety (MP Chari-6) for green fodder**
Farmers Practice (T1)	:	Indigenous variety (MP Chari-6), Character-Less number of cutting, low production
Technology to be demonstrated (T2)	**:**	**MP Chari - High Yielding 80-100 tones, high tolerance to drought and excessive rain fall, multi-cuts, suitable for hay and silage making**

No. of Area		1.0 ha
No. of farmers/ location		15
Critical input		5 kg sorghum variety MP Chari
Total cost		6000/-
Source of technology		Jawahar Lal Nehru Krishi Vishwavidyalaya Jabalpur
Year of Release		1985
Parameter observation	:	**Technical** i) No. of cuttings ii) Yield q/ ha iii) Milk Yield lit./ day iv) SNF and fat %, **Economic** i) Cost of cultivation Rs./ha ii) Gross return Rs./ha iii) Net profit Rs./ha iv) B:C Ratio **Social** Feedback of the farmers

Front Line Demonstration (FLD) -08

Discipline: Animal Science

Season: *Rabi* **Farming Situation: Irrigated**

Crop/ enterprise: Buffaloes **No. of Demonstration: 10**

Thematic Area	:	Animal Nutrition Management
Problem diagnosed	:	Mineral deficiency, uterine problems
Title of Front Line Demonstration	:	**Demonstration of Probiotics *Saccharomyces cerevisiae* and liquid feed supplementation Ostovet feeding in buffaloes**
Farmers Practice (T1)	:	Not practices in area : Poor body growth, low milk yield
Technology to be demonstrated (T2)	:	(30 gms Yeast Culture probiotics + 100 ml in Liquid feed mineral mixture /d/ animal)-Production of volatile fatty acids, Reduction of methane production, Decreased ammonia concentration, stability of the pH, Increase in total anaerobic flora)
No. of Animals		10 buffaloes selected as second lactating
No. of farmers/ location		15
Critical input		30 gms Yeast Culture probiotics + 100 ml in Liquid feed mineral mixture /d/ animal)
Total cost		7500
Source of technology		NDRI, Karnal
Year of Release		2005
Parameter observation	**:**	**Technical** i) Milk Yield lit/ Day ii) Fat % iii) SNF % **Economic** i) Cost of Rearing Rs./ha ii) Gross return Rs./ha iii) Net profit Rs./ha iv) B:C Ratio **Social** Feedback of the farmers

Front Line Demonstration (FLD) -09

Discipline: Home Science
Crop/ enterprise: fruits and vegetables **Season: Round the year**
Farming Situation : Irrigated **No. of Demonstration: 50**

Thematic Area	**:**	Food and Nutritional Security
Problem diagnosed	**:**	Malnutrition due to lack of vegetables in daily routine diet
Title	**:**	Round year production / availability of seasonal vegetables through nutritional garden for food and nutritional security
Farmers Practice	**:**	Irregular cultivation and improper management
Technology to be demonstrated	**:**	Round year production (Rabi, Kharif & Zaid) / availability of seasonal vegetables (Green leafy, Fruits, Beans, Root & Tubers) through proper layout, provide good quality seed and planting materials
Source of technology	**:**	IIVR, Varanasi
Year	**:**	2004
Critical Input	**:**	Vegetables Seed and Seedlings
Expenditure	**:**	Rs. 300 per demonstration
Parameter observation	**:**	**Technical** : i) Availability of vegetables gram/ day ii) Requirements fulfilled (%) **Economic**: i) Cost of cultivation ii) B:C Ratio **Social** : Feedback of the farmers

Front Line Demonstration (FLD) -10

Discipline: Home Science
Crop/ enterprise: Drudgery reduction **Season: Rabi**
Farming Situation : Irrigated **No. of Demonstration: 10**

Thematic Area	**:**	Drudgery reduction
Problem diagnosed	**:**	Low work efficiency , high drudgery and Health Hazards in Milking
Title	**:**	Enhancing work efficiency, reducing drudgery and health hazards of farm women involved in Dairy
Farmers Practice	**:**	T1-Traditional method by hand
Technology to be demonstrated	**:**	T2- Revolving stool
Source of technology	**:**	CIAE, Bhopal
Year	**:**	2012
Critical Input	**:**	Revolving stool
Expenditure	**:**	Rs. 2000 per demonstration
Parameter observation	**:**	**Technical** : **Physiological Cost of work.** (a) Heart Rate (b) Energy Expenditure Rate (c) Energy Consumption Rate (d) Muscular Stress **Economic:** **a)** Out Put- per hour **b)** Labour Saving- Per Man Days **Social:** Feedback of farmers

Front Line Demonstration (FLD) -11

Discipline: Agricultural Extension
Crop/ enterprise: NRM **Season: *Kharif***
Farming Situation: Rainfed **No. of Demonstration: 50** **Area / No. : 50 unit**

Thematic Area	:	Natural Farming
Problem diagnosed	:	Communication Gap, Knowledge Gap, Unskilled
Title of FLD	:	Technical Bulletin on "Use of Natural Farming Techniques"
Farmers Practice	:	Farmers receiving information from Input Dealer or fellow friends.
Technology to be demonstrated	:	Technical Bulletin on "Use of Natural Farming Techniques"
Source of Technology	:	DKMA, New Delhi
Year of Technology		2018
NO. of trail/Rep.		01
Critical Input		Technical Bulletin on "Use of Natural Farming Techniques"
Total cost		4000
Parameter observation	:	**Technical** i) Knowledge, Attitude and Skill of farmers **Social** i) 1. Adoption of technologies identified ii) Feedback & Farmers reaction

Front Line Demonstration (FLD) -12

Discipline: Agricultural Extension
Crop/ enterprise: wheat **Season: *Rabi***
Farming Situation: Rainfed **No. of Demonstration: 10** **Area / No. : 5 ha**

Thematic Area	:	Varietal replacement of wheat
Problem diagnosed	:	Low yield due to old variety
Title of Front Line Demonstration	:	Demonstration of high yielding variety **–DBW 187 (Karan Vandana) of wheat**
Farmers Practice (T_1)		Variety**:** PVW343, Duration- 155 days, Yield 40-45 q/ha
Technology to be demonstrated (T_2		HYV, DBW 187 -Duration- 120-140 days, yield 64.70 q/ha
Source of Technology		NDRI, Karnal.
Year of release		2018
Parameter observation	:	**Technical** i) No. of seed per spike ii) Grain yield q /ha **Economic** i) Cost of cultivation Rs./ha ii) Gross return Rs./ha iii) Net profit Rs./ha iv) B:C Ratio **Social** Feedback of the farmers

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	10	January to December 2023	400
2	Farmers Training	10	January to December 2023	400
3	Media coverage	15	January to December 2023	Mass

5. Training (Including the sponsored and FLD training programmes)

A) **Consolidated table (ON + OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						
		SC/ST			Others			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	01	03	02	05	15	05	20	25
Resource Conservation Technologies	01	03	02	05	12	03	15	20
Cropping Systems	03	09	06	15	45	15	60	75
Crop Diversification	02	10	00	10	40	00	40	50
Integrated Farming	01	03	02	05	15	05	20	25
Seed production	01	03	02	05	15	05	20	25
Varietal evaluation	02	04	00	04	16	00	16	20
Integrated Crop Management	01	03	02	05	15	05	20	25
Fodder production	01	02	00	02	08	00	08	10
Production of organic inputs	01	03	02	05	15	05	20	25
a) Vegetable Crops								
Production of low volume and high value crops	06	18	12	30	84	26	110	140
Nursery raising	02	06	04	10	27	08	35	45
Protective cultivation (Green Houses, Shade Net etc.)	01	03	02	05	15	05	20	25
b) Fruits								
Layout and Management of Orchards	03	09	06	15	39	11	50	65
Rejuvenation of old orchards	01	03	02	15	12	03	15	20
f) Spices								
Production and Management technology	02	03	02	05	27	08	35	45
IV Live Stock Management								
Dairy Management	04	20	00	20	60	10	70	90
Poultry Management	01	05	00	05	15	00	15	20
Disease Management	05	17	08	25	75	20	95	120
Feed management	05	22	00	22	68	10	78	100
Production of quality animal products	02	06	04	10	30	10	40	50

V Food security and Women empowerment										
Household food security by kitchen gardening and nutrition gardening				03	00	20	20	00	75	75	95
Design and development of low/minimum cost diet				02	00	10	10	00	30	30	40
Designing and development for high nutrient efficiency diet				01	00	05	05	00	15	15	20
Minimization of nutrient loss in processing				01	00	05	05	00	20	20	25
Storage loss minimization techniques				01	00	05	05	00	20	20	25
Post harvest technology Value addition				04	00	20	20	00	70	70	90
Location specific drudgery reduction technologies				03	00	10	10	00	50	50	60
Women and child care				02	00	10	10	00	40	40	50
VI Agril. Engineering										
Integrated Pest Management	07	21	14	35	105	20	125			160
Integrated Disease Management	01	02	00	02	18	00	18			20
Bio-control of pests and diseases	08	24	12	36	120	25	150			190
Production of bio control agents and bio pesticides	01	02	00	02	18	00	18			20
Bio-fertilizer production / use	01	03	02	05	15	05	20			25
Organic manures production	01	03	02	05	15	05	20			25
Small tools and implements	01	03	02	05	12	03	15			20
X Capacity Building and Group Dynamics										
Leadership development	01	05	00	05	15	00	15			20
Group dynamics	03	15	00	15	45	00	45			60
Formation and Management of SHGs	01	05	00	05	15	00	15			20
Mobilization of social capital	05	25	00	25	75	00	75			100
Entrepreneurial development of farmers/youths	02	08	02	10	30	05	35			45
TOTAL	**100**	**291**	**195**	**476**	**1170**	**534**	**1714**			**2190**
(B) RURAL YOUTH										
Production of organic inputs	02	05	05	10	10	10	20			30
Propagation Technique of Horticultural crops	01	05	00	05	10	00	10			15
Repair and maintenance of farm machinery and implements	01	05	00	05	10	00	10			15
Nursery Management of Horticulture crops										
Value addition	01	00	05	05	00	10	10			15
Production of quality animal products										
Dairying	01	05	00	05	10	00	10			15
Tailoring and Stitching	01	00	05	05	00	10	10			15
Others										
i) Gardener Training										
TOTAL	**07**	**20**	**15**	**35**	**40**	**30**	**70**			**105**
© Extension Personnel										
Soil and water conservation	01	05	00	05	15	00	15		20	
Integrated Pest Management	01	05	00	05	15	00	15		20	
Protected cultivation technology	01	05	00	05	15	00	15		20	
Livestock feed and fodder production	01	05	00	05	15	00	15		20	
Household food security	01	00	05	05	00	15	15		20	

Production and use of organic inputs	01	05	00	05	15	00	15	20
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
Total	**06**	**25**	**5**	**30**	**75**	**15**	**90**	**120**
Grand Total	**112**	**336**	**215**	**541**	**1285**	**579**	**1874**	**2415**

Details of Training Programmes

(i) Farmers & Farm women

S.N.	Month	Cliental	Title of Training Programme	Duration (Days)	Venue Off/On Campus	No. of Participants						
						SC/ST			No. of others			Grand Total
						M	F	Total	M	F	Total	
Agronomy												
1	January	PF & FW	Introduction of Equipment and Tools for Intensive Crop Production	2	On Campus	03	02	05	12	03	15	20
2	February	PF & FW	*Insitu* green mannuring methods	1	Off Campus	04	03	07	14	03	17	25
3	March	PF & FW	Strategies to improve soil fertility and health	2	On Campus	03	02	05	12	03	15	20
4	April	PF & FW	Integrated crop management practices for maximizing yield in pulses	1	Off Campus	04	03	07	14	03	17	25
5	April	PF & FW	Demonstration of soil sampling method	1	Off Campus	04	03	07	14	03	17	25
6	May	PF & FW	Moisture conservation technology and practices	2	On Campus	03	02	05	12	03	15	20
7	May	PF & FW	Use of Bio fertilizer in crops	1	Off Campus	04	03	07	14	03	17	25
8	June	PF & FW	Intercropping of cereals with pulses to enhance productivity and soil fertility	2	On Campus	03	02	05	12	03	15	20
9	July	PF & FW	Weed management practices in *Kharif* crops	1	Off Campus	04	03	07	14	03	17	25
10	August	PF &	Low input cost	2	On	03	02	05	12	03	15	20

		FW	technology to enhance farmer's income		Campus							
11	September	PF & FW	Production technology of *Rabi* Pulses and mustard	1	Off Campus	04	03	07	14	03	17	25
12	September	PF & FW	Integrated nutrient management	1	Off Campus	04	03	07	14	03	17	25
13	October	PF & FW	Quality seed production technology	2	On Campus	03	02	05	12	03	15	20
14	November	PF & FW	Scientific Cultivation of Wheat	1	Off Campus	04	03	07	14	03	17	25
15	December	PF & FW	Integrated farming system	1	Off Campus	04	03	07	14	03	17	25
Total						**54**	**39**	**93**	**198**	**45**	**243**	**345**
Horticulture												
1	January	PF & FW	Advances production technology of bulb crops	01	Off Campus	03	02	05	13	05	17	22
2	January	PF & FW	Care and Management of Mango Orchards	02	Off Campus	03	07	10	12	03	15	25
3	February	PF & FW	Post-harvest management of Horticultures crops	02	On Campus	03	02	05	12	03	15	20
4	March		Advance Production technology of summer vegetable crops		Off Campus	03	03	06	12	04	16	22
5	April	PF & FW	Training on Bahar treatments in fruit crops.	01	Off Campus	03	02	05	15	05	20	25
6	May	PF & FW	Layout and establishment of new orchards with Drip Irrigation System	01	On Campus	01	01	02	15	05	20	22
7	June	PF & FW	Natural farming in Horticultural crops.	01	Off Campus	03	02	05	15	05	20	25
8	July	PF & FW	Nursery management of vegetable crops for Kharif.	01	On Campus	03	02	05	15	05	20	25
9	July	PF & FW	Advance Production technology of Cucurbitaceous Crops	01	Off Campus	03	02	05	15	05	20	25
10	August	PF & FW	Scientific Production technology of Cole Crops	02	Off Campus	03	05	08	12	03	15	22
11	September	PF & FW	Scientific Production Technology of Guava	01	On Campus	03	02	05	15	05	20	25
12	October	PF & FW	Advance Production technology of Spices crops	02	Off Campus	03	04	07	12	03	15	22
13	November	PF & FW	Production Technology of Marigold	01	On Campus	03	02	05	10	05	15	20
14	November	PF & FW	Care and Management of Citrus fruit crops	01	Off Campus	01	02	03	15	05	20	22
15	December	PF & FW	Care and management of vegetable Pea	02	Off Campus	03	04	05	12	03	15	22
16	December	PF & FW	Advance Production Technology of Broccoli	02	On Campus	03	02	05	12	05	17	22

Total						**44**	**44**	**86**	**212**	**69**	**280**	**366**
Plant Protection												
1	January	PF & FW	Integrated sucking insect-pest management of pulses.	1	Off Campus	03	02	05	15	05	20	25
2	February	PF & FW	Integrated sucking insect-pest management of oilseeds.	2	On Campus	05	00	05	15	00	15	20
3	March	PF & FW	Management of pod borers in pulses	1	Off Campus	03	02	05	15	05	20	25
4	April	PF & FW	Role of summer ploughing in pest management	01	Off Campus	05	00	05	15	00	15	20
5	April	PF & FW	Management of store grain pest	O1	Off Campus	05	00	05	15	00	15	20
6	May	PF & FW	Management of field crickets in summer moong	01	On Campus	05	00	05	15	00	15	20
7	June	PF & FW	Collection and preparation of NSKE	O1	Off/On Campus	05	00	05	15	00	15	20
8	July	PF & FW	Importance of monitoring in pest management in kharif crops	01	On Campus	05	00	05	15	00	15	20
9	August	PF & FW	Management of capsule borer in sesame	O1	Off Campus	05	00	05	15	00	15	20
10	September	PF & FW	Conservation of natural enemies in rabi crops	O1	Off Campus	05	00	05	15	00	15	20
11	September	PF & FW	Integrated pest management in mustard crop	01	On Campus	05	00	05	15	00	15	20
12	October	PF & FW	Integrated insect-pest management of lentil	01	Off Campus	05	00	05	15	00	15	20
13	October	PF & FW	Storage pest management in Kharif pulses	O1	Off Campus	05	00	05	15	00	15	20
14	November	PF & FW	Management of mealy bug in fruit orchard	01	Off Campus	05	00	05	15	00	15	20
15	December	PF & FW	Management of aphid in mustard	01	On Campus	05	00	05	15	00	15	20
Total						**71**	**4**	**75**	**225**	**10**	**235**	**310**
Animal Science												
1	January	PF & FW	Importance of deworming in livestock and poultry.	01	Off Campus	03	02	05	15	05	20	25
2	February	PF &	Management of livestock in	02	On Campus	05	00	05	15	00	15	20

		FW	winter seasons.									
3	March	PF & FW	Breeding strategies for improving livestock and poultry.	01	Off Campus	03	02	05	15	05	20	25
4	April	PF & FW	Calf Management & disease Management practices.	01	Off Campus	03	02	05	15	05	20	25
5	May	PF & FW	Improved dairy farming for women farmers	01	Off Campus	03	02	05	15	05	20	25
6	May	PF & FW	Scientific goat production and management.	01	Off Campus	03	02	05	15	05	20	25
7	June	PF & FW	Importance of vaccination for prevention of infectious diseases.	01	Off Campus	03	02	05	15	05	20	25
8	June	PF & FW	Care and management of livestock and poultry during summer season.	02	Off Campus	03	02	05	15	05	20	25
9	July	PF & FW	Preparation of balanced ration for dairy animals.	02	On Campus	05	00	05	15	00	15	20
10	August	PF & FW	Training on production and preservation for year around availability of quality fodder.	01	Off Campus	03	02	05	15	05	20	25
11	August	PF & FW	Care and management of newly born calves.	02	On Campus	05	00	05	15	00	15	20
12	September	PF & FW	Management of infertility in dairy animals.		On Campus	05	00	05	15	00	15	20
13	October	PF & FW	Control of mastitis in dairy animals.	01	Off Campus	03	02	05	15	05	20	25
14	November	PF & FW	Preparation of Urea Molasses Mineral lick Block for dairy animals.	01	Off Campus	03	02	05	15	05	20	25

15	December	PF & FW	Importance of vaccinations for livestock and poultry.	02	On Campus	05	00	05	15	00	15	20
Total						**55**	**20**	**75**	**225**	**50**	**275**	**350**
Agriculture Extension												
1	January	PF & FW	Information related to crop protection in Rabi crops by ICT	01	Off Campus	05	00	05	15	00	15	20
2	January	PF & FW	Group Management Techniques	01	Off Campus	05	00	05	15	00	15	20
3	February	PF & FW	IFS is the key approach for doubling farming income	01	Off Campus	05	00	05	15	00	15	20
4	March	PF & FW	Agricultural Market Problems and Solutions	01	Off Campus	05	00	05	15	00	15	20
5	April	PF & FW	Importance of social media and Print media in Transfer of agriculture technology.	01	Off Campus	05	00	05	15	00	15	20
6	May	PF & FW	FPO Awareness and Utilization	01	On Campus	05	00	05	15	00	15	20
7	May	PF & FW	. Climate Change - Understanding and Risk Management	01	On Campus	05	00	05	15	00	15	20
8	June	PF & FW	Information System in Agriculture through Mobile App	01	Off Campus	05	00	05	15	00	15	20
9	June	PF & FW	Role of Extension Education in Agricultural Awareness	01	Off Campus	05	00	05	15	00	15	20
10	July	PF & FW	Importance of NRM in Bundelkhand region	01	On Campus	05	00	05	15	00	15	20
11	August	PF & FW	Information related to crop protection in	01	Off Campus	05	00	05	15	00	15	20

			Kharif crops by ICT									
12	August	PF & FW	Self Help Group - Management and Problem Solving	01	Off Campus	05	00	05	15	00	15	20
13	September	PF & FW	Farming Management by Farmer Group	01	Off Campus	05	00	05	15	00	15	20
14	September	PF & FW	FPO Awareness and Utilization	01	On Campus	05	00	05	15	00	15	20
15	October	PF & FW	Climate Change Damage and Risk Management in Rabi Crops	01	On Campus	05	00	05	15	00	15	20
16	October	PF & FW	Kisan Sarthiapp- Utility and Uses	01	On Campus	05	00	05	15	00	15	20
17	November	PF & FW	Natural Farming- Topic Introduction and Benefits	01	Off Campus	05	00	05	15	00	15	20
18	November	PF & FW	Crop Protection Measures in Climate Change	01	Off Campus	05	00	05	15	00	15	20
19	December	PF & FW	Use of farm machinery	01	Off Campus	05	00	05	15	00	15	20
20	March	PF & FW	Custom Hiring	01	Off Campus	05	00	05	15	00	15	20
Total						**100**	**0**	**100**	**300**	**0**	**300**	**400**

Home Science												
1	January	PF & FW	Post harvest management of green leafy vegetables	02	On Campus	00	05	05	00	15	15	20
2	February	PF & FW	Awareness on health and hygiene	01	Off Campus	00	05	05	00	20	20	25
3	February	PF & FW	Nutritional kitchen gardening for nutritional security and income generation of farm women	02	On Campus	00	05	05	00	15	15	20
4	March	PF & FW	Grain storage technique at household level	01	Off Campus	00	05	05	00	20	20	25
5	April	PF & FW	Drudgery reduction techniques for enhancing work efficiency	01	Off Campus	00	05	05	00	20	20	25
6	May	PF & FW	Preparation of beverages by seasonal Fruits for Health	02	On Campus	00	05	05	00	15	15	20
7	May	PF & FW	Food security through kitchen garden at household level	01	Off Campus	00	05	05	00	20	20	25
8	June	PF & FW	Value addition of locally available Fruits	01	Off Campus	00	05	05	00	20	20	25
9	July	PF & FW	Preparation of Low cost nutritious food for School going children	02	On Campus	00	05	05	00	15	15	20
10	August	PF & FW	Management of Malnutrition through germinated grains	01	Off Campus	00	05	05	00	20	20	25
11	September	PF & FW	Awareness on Drudgery reducing farm implements for enhancing work efficiency	01	Off Campus	00	05	05	00	20	20	25
12	October	PF & FW	Minimization of nutriments loss during processing of food products	01	Off Campus	00	05	05	00	20	20	25
13	October	PF & FW	Preparation of nutritious foods from green leafy vegetables for children	02	On Campus	00	05	05	00	15	15	20
14	November	PF & FW	Value addition of Aonla	02	On Campus	00	05	05	00	15	15	20
15	December	PF & FW	Value addition of locally available grains	01	Off Campus	00	05	05	00	20	20	25
Total						**00**	**75**	**75**	**0**	**270**	**270**	**345**
Grand Total (96 Courses)						**324**	**182**	**504**	**1160**	**444**	**1603**	**2116**

ii)Vocational Training Programmes for Rural Youth

Crop/enterprises	Identified thrust area	Training title	Duration (Days) / Venue	No. of participants			SC/ST Participants		
				Male	Female	Total	Male	Female	Total
Agronomy									
Enterprises April	Income generation	Seed Production	05	10	00	10	05	00	15
Horticulture									
Enterprises July	Skill development	Vegetative propagation of Horticultural crops	05	10	00	10	05	00	15
Enterprises July	Skill development	Vegetative propagation of Horticultural crops	05	10	00	10	05	00	15
Plant Protection									
Enterprises October	Skill development	Scientific Beekeeping	05	10	00	10	05	00	15
Animal Science									
LPM July	Income generation	Scientific Goat Farming	05/ Off/ On Campus	10	00	10	05	00	15
Agri. Extension									
Enterprises June	Income generation	Role of custom hiring center to enhance income	05 / On Campus	00	10	10	05	00	15
Home Science									
Value addition (December)	Income generation	Income generation through Value addition of Aonla	05 / On Campus	00	10	10	00	05	15
Value addition (March)	Income generation	Income generation through Stitching of garments	10 / On Campus	00	10	10	00	05	15
Grand Total				**50**	**30**	**80**	**30**	**10**	**120**

(i) **Training Programme for Extension Functionaries**

Month	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agronomy										
May	**EF**	Efficient soil and water conservation technologies under *bundelkhand* region	01	On Campus	15	00	15	05	00	05
Horticulture										
June	EF	Layout, designing to establishment of new orchards.	01	On Campus	15	00	15	05	00	05
February	EF	Off season vegetable production through natural ventilated polyhouse under protected condition	01	On Campus	15	00	15	05	00	05
Plant Protection										
September	EF	IPM in pulses and oilseeds	01	On Campus	15	00	15	05	00	05
Animal Husbandry										
July	EF	New approaches for enhancing the productivity of livestock	01	On campus	15	00	15	05	00	05
Agriculture Extension										
Oct.	EF	Administration and Management models to improve organizational behavior.	01	On campus	15	00	15	05	00	05

Home Science										
June	EF	Food Security through Kitchen Garden	01	On campus	0	20	20	0	05	05
September	EF	Low – cost nutrient rich diet for children and women.	01	On campus	0	20	20	0	05	05
Total					**75**	**40**	**115**	**25**	**05**	**35**

(ii) FLD Training Programmes

Month	Cliental	Title of Training Programme	Duration in Days	Venue Off/On Campus	No. of Participants						
					SC/ST			No. of others			Grand Total
					M	F	Total	M	F	Total	
Agronomy											
July	PF	Response of zinc application in pearl millet	01	On campus	02	00	02	08	00	08	10
October	PF	Response of wheat crop under conservation tillage	01	On campus	02	00	02	08	00	08	10
Horticulture											
July	PF	Scientific cultivation of Vegetable Bottle Guard	01	On campus	02	00	02	08	00	08	10
Oct	PF	Scientific cultivation of vegetable pea	01	On campus	02	00	02	08	00	08	10
Plant Protection											
July	PF	Importance of Seed Treatment	01	On campus	02	00	02	18	00	18	20
Nov	PF	Integrated Pest Management	01	On campus	02	00	02	18	00	18	20
Animal Science											
May	PF	Round year Fodder production	01	On campus	02	00	02	08	00	08	10
Sep	PF	Feed technology	01	On campus	02	00	02	08	00	08	10
Home Science											
Feb.	PF	Drudgery reduction	01	On campus	00	00	00	00	10	10	10
June	PF	Nutritional Kitchen Garden	01	On Campus	00	20	20	00	30	30	50
Agriculture Extension											
July	PF	Use of Natural Farming Techniques	01	On campus	00	00	00	50	00	50	50
Nov	PF	Techniques of Wheat Production	01	On Campus	00	00	00	10	00	10	10
Total					**16**	**20**	**26**	**144**	**40**	**176**	**210**

6. 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	300	75	375	25	0	25	325	75	400
Kisan Mela	01	1000	200	1200	40	10	50	1025	210	1225
Kisan Ghosthi	07	200	40	240	10	0	10	210	40	250
Exhibition	04	1050	50	1100	10	5	15	1050	55	1105
Film Show	06	400	150	550	10	0	10	410	150	560
Demonstrations	12	310	30	340	0	0	0	310	30	340
Farmers Seminar	01	125	25	150	0	0	0	125	25	150
Workshop	01	50	10	60	0	0	0	50	10	60
Group meetings	02	80	20	100	0	0	0	80	20	100
Lectures delivered as resource persons	30	1200	200	1400	200	05	205	1400	205	1605
Newspaper coverage	75	0	0	0	0	0	0	0	0	0
Radio talks	06	0	0	0	0	0	0	0	0	0
TV talks	06	0	0	0	0	0	0	0	0	0
Popular articles	10	0	0	0	0	0	0	0	0	0
Extension Literature	06	0	0	0	0	0	0	0	0	0
Advisory Services	40	100	30	130	0	0	0	100	30	130
Scientist visit to farmers field	98	400	50	450	0	0	0	400	50	450
Farmers visit to KVK	05	800	200	1000	0	0	0	800	200	1000
Diagnostic visits	24	300	0	300	0	0	0	300	0	300
Exposure visits	02	50	0	50	0	0	0	50	0	50
Ex-trainees Sammelan	01	150	50	200	0	0	0	150	50	200
Soil Health Camp	01	400	100	500	0	0	0	400	100	500
Animal Health Camp	01	200	50	250	30	0	30	270	50	320
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	04	180	0	180	0	0	0	180	0	180
Farm Science Club Conveners meet / Kisan club	05	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	02	0	60	60	0	0	0	0	60	60
Celebration of important days (specify)	05	100	50	150	0	0	0	0	0	150
Total	**370**	**7520**	**1440**	**8960**	**325**	**20**	**345**	**7760**	**1410**	**9310**

7. Target for Production and supply of Technological products

Seed Hub For the Year 2023

Name of the crop	Variety	Category of the seed (FS/CS/TL)	Farm Field		Farmers Field		Total	
			Area sown (ha)	Production (qtls)	Area covered (ha)	Production (qtls)	Area sown (ha)	Production (qtls)
Kharif								
Greengram	Sikha/ Virat	FS-II	0.8	4.0	-	-	0.8	4.0
Rabi								
Fieldpea	IPFD12-2	FS-II/CS	3.5	77.0	52.0	780.0	55	840.0
Chickpea	JG-36	FS-II/CS	0.8	8.0	25.0	300.0	25.4	308.0
Lentil	IPL316	FS-II/CS	0.8	12.0	4.0	58.0	4.8	70.0
Zaid								
Green gram	Sikha/ Virat	FS-II/CS	2.0	12.0	-	-	2.0	12.0
						Grand Total		**1234.0**

KVK Farm during Year 2023

Name of the crop	Variety	Category of the seed (FS/CS/TL)	Farm Field	
			Area sown (ha)	Production (qtls)
Kharif				
Dhaincha (Seed Production)	PS-1	CS/TL	2.0	8.0
Dhaincha (Green manuring)	-	TL	4.0	-
Til	GT 06	CS	1.5	4.0
Rabi				
Wheat	DBW- 187	FS	3.6	165.0
Mustard	RH 725	FS	0.4	4.0
Coriander	ACR-I	TL	0.4	1.0
Zaid				
		Grand Total	**11.9**	**182.0**

Planting Materials

S. No.	Crop	Variety	Quantity (Nos.)
FRUITS (Saplings)	Drum Stick	Old	1000
SPICES (Seedlings)	Onion	Agri Found Dark Red, Bhima Super, Agri Found Light Red	20000
	Chilli	Kashi Anmol	1000
VEGETABLES (Seedlings)	Brinjal	Old green	1000
	Couliflower	Kashi Ageti, Agrim Sabour	1000
	Tomato	Kashi Aman	3000
	Broccoli	KTS-1	1000
	Others	-	1000
Total			**29000**

Bio-products

Product Name	Species	Quantity (q)
Vermicompost	Jaigopal	25.00

Livestock Proposed

Livestock	Type	Breed	Quantity (No./kg)
Cattle	Dual	Tharparker	01No.
Goat	Dual Purpose	Jakhrana	10 No.
Poultry	Dual Purpose	Kadaknath	100 no.

Literature to be Developed/Published

(i) Literature developed/published

Item	Number
Research papers	06
Technical reports	08
Technical bulletins	02
Popular articles	12
Extension literature	06
Book	03
Book Chapter	06
Others (Pl. specify) Hindi magazine (Half Yearly)	01

(ii) Details of Electronic Media to be Produced

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

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

Indicate the specific training need analysis tools/methodology followed for

- Identification of courses for farmers/farm women – **Survey**
- Rural Youth – **According to need based requirement**
- In service personnel- **According to Old area problem**
- Indicate the methodology for identifying OFTs/FLDs – **Survey**

Activities of Soil and Water Testing Laboratory: NA

(i) . **Targets of samples for analysis :**

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	200	500	18	-

LINKAGES

(i) 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.
10. Department of Agriculture	Training Programme & Demonstration.
12. GBPUAT, Pantnagar	Procurement of seeds.
13. Department of Animal Husbandry	Joint diagnostic survey & implementation.
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 India Radio, Lucknow	For recording and live telecast of KVK activities.
23. Agricultural Research Station, Junagadh Agricultural University, Dist. AMRELI-365601	Procurement of seeds.
24. VPKAS, Almora Uttrakhand	Procurement of seeds.
24. Hisar Agricultural University, Hisar Haryana	Procurement of seeds.
25.AICRP- Seasme, JNKVV Jabalpur M.P.	Procurement of seeds.

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ANNUAL ACTION PLAN (Jan 2023 to Dec, 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Rura mallu Jalaun:285001	Office 09415153240	FAX	kvkjalaun@gmail.com
	Facility not available		

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

Address	Telephone		E mail
	Office	FAX	
Banda University of Agriculture and Tech., Banda- 210001	05192-232307	05192-232305	**buat.dee@gmail.com**

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Rajeev Kumar Singh	T3/14 Officers Colony Orai, Jalaun (U.P.)	09415153240	kvkjalaun@gmail.com

1.4. Year of sanction: 2005

1.5. Staff Position (as on 01st Sept 2022)

SN	Designation	No of Sanctioned Posts	Name of Person	Pay Scale	Category	Date of Joining	Dated of Leaving
1	Programme Coordinator	1	Dr. Rajeev Kumar Singh	37400-67000 +9000	GEN	06.01.2001	-
2	SMS(Home Science)	1	Dr. Rajkumari	15600-39100 +5400	OBC	13.12.2017	-
3	SMS (Soil Science)	1	Vacant	15600-39100 +5400			-
4	SMS (Horticulture)	1	Vacant	15600-39100 +5400			-
5	SMS (Animal Husbandry)	1	Dr. Anuj Kumar Gautam	15600-39100 +5400	SC	14.12.2017	-
6	SMS(Plant Protection)	1	Dr. Rajanish Chandra Mishra	15600-39100 +5400	GEN	16.12.2017	-
7	SMS (Agri., Extn.)	1	Dr. Vister Joshi	15600-39100 +5400	GEN	28.12.2017	-
8	Farm Manager	1	Mr. Satish Kumar	9300-34800+4200	OBC	22.12.2017	-
9	OS/Accountant	1	Mrs. Khushbu Soni	9300-34800+4200	OBC	29.01.2018	-
10	Computer Programmer	1	Er. Brajesh Sharma	9300-34800+4200	GEN	16.12.2017	-
11	Programme Asstt.	1	Vacant	9300-34800+4200			-
12	Computer Operator /Steno	1	Mr. Kamal Narayan	5200-20200+2400	GEN	11.12.2017	-
13	Driver (Jeep)	1	Mr. Pankaj Kumar Shukla	5200-20200+2400	GEN	19.12.2017	-
14	Driver (Tractor)	1	Mr. Banarsi	5200-20200+2400	SC	07.05.2005	-
15	Attendant	1	Mr. Balak Ram	5200-20200+1900	SC	02.12.2005	-
16	Attendant	1	Mr. Shiv Dayal	5200-20200+1900	OBC	07.04.2007	-

1.6. Total land with KVK (in ha) : 23.06

S. No.	Item	Area (ha)
1	Under Buildings	1.95
2.	Under Demonstration Units	0.50
3.	Under Crops	19.00
4.	Orchard/Agro-forestry	1.11
5.	Others	0.50

1.7. Infrastructural Development:

A) Buildings

Sr.No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1	Administrative Building	ICAR	Completed	540.00	2851919.00	Feb.06	540.00	Almost Completed
2	Farmers Hostel		Under construction	305.00	440000.00	July-07	305.00	Under construction
3	Staff Quarters (6)		Under construction	400.00	1200000.00	July-07	400.00	Under construction
4	Demonstration Units (1) (Vermi)		Under construction	41.00	100000.00	July-07	41.00	Damaged
5	Fencing		-	-	-	-	-	-
6	Rain Water harvesting system		-	-	-	-	-	-
7	Threshing floor		-	-	-	-	-	-
8	Farm godown		Almost Completed	61.11	400000.00	July-07	61.11	Almost Completed

B) Vehicles(as on 01st Nov 2018)

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep- **UP 77 G 0091**	2006	2.51 Lakh	124920	Very poor condition
Tractor & Accessories **UP 78 AT 4327**, (Harrow, Cultivator, Trolly, Seed Drill, Levelor)	2005	2.0 Lakh	-	Poor Condition
Motor Cycle- **UP 92 G 0131**	2010	35000	31108	Very poor condition

C) Equipments & Audio Visual aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Photo Copy Machine	2007	35000	Not Working
Power stabilizer	2007	3500	Not Working
Computer, Printer, Scanner	2007	22000	Not Working
LCD Projector	2007	55000	Good Condition
UPS	2007	3500	Not Working

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

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken
1	MAY-2023 AND SEP- 2023			--

2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Due to mono cropping, Anna Pratha and non manageable condition of mar and kabar soil of the district. Mono cropping is the most common farming system. Mixed farming in the combination of agriculture and live stock is also quite common in all the areas.
2	Jowar-wheat, Bajra-wheat, Fallow-wheat, Fallow-chickpea, Fallow-fieldpea, Fallow-lentil, Soyabeen-wheat are the important crop rotations followed in different AESs. Mixed cropping are Sorghum+ Arhar, Barley+Gram+ Mustard is also common.
3	High resource farmers keep one graded buffalo and one or two cows. Whereas low resource farmers commonly have one or two buffalo+3-4 goats. Both high and low resource farmers keep milch animals for home consumption and also for sale. The share croppers also keep one or two desi buffaloes and 5-6 goats.
4	Tomato, onion, vegetable pea and chilies are important . Vegetable crop of the districts cultivated both by resource rich and resource poor farmers.
5	Few farmers have introduced mentha in the existing farming system of fallow-vegetable pea-mentha.
6	In the Mahewa and Kuthound block river bed farming system is also practiced especially by low resource and land less farmers.
7	In the lower and upper ravines Sorghum-wheat, Bajra-wheat, Fallow-wheat+Mustard, Arhar and Jowar are common cropping systems.
8	Artision well are found in the belt of river Pahuj in Madhogharh and Nadi Gaon block in the district. There are ample opportunities for intensification of vegetable cultivation and also diversification to other crops.
9	Bhadawari buffalows are found in ravines of Yamuna and Pahuj as name indicates Jamuna pari goat is found in the villages located in the ravines of Yamuna,
10	Highest net returns is obtained from vegetable pea followed by chickpea, field pea and wheat respectively,

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

S. No	Agro-climatic Zone	Characteristics
Zone VI Bundel Khand		
		Light brown loam to clay, generally structure less, average in water holding capacity and organic matter, moderately alkaline, restricted drainage, surface soil poor in lime content but the middle layer is calcareous, medium in soluble salts. Carbonates and sulphates practically absent . 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 salts content with predominance bicarbonates and chlorides. There are black soils with high water holding capacity, neutral in reaction, slightly calcareous low in organic matter content, impeded drainage and prone to salinity in the water logged areas and average to soluble salts. 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 . 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.

S. No	Agro ecological situation	Characteristics
1	**AES - I**	Light brown loam to clay, generally structure less, average in water holding capacity and organic matter, moderately alkaline, restricted drainage, surface soil poor in lime content but the middle layer is calcareous, medium in soluble salts. Carbonates and sulphates practically absent.
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. Generally non calcareous with fair drainage, medium in soluble salts content with predominance bicarbonates and chlorides.
3	**AES-III**	These are black soils with high water holding capacity, neutral in reaction, slightly calcareous low in organic matter content, impeded drainage and prone to salinity in the water logged areas and average to soluble salts.
4	**AES-IV**	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 .
5	**AES-V**	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.

2.3 Soil types

S. No	Soil type	Characteristics	Area in ha
1	**Parwa soils**	Light brown loam to clay, generally structure less, average in water holding capacity and organic matter, moderately alkaline, restricted drainage, surface soil poor in lime content but the middle layer is calcareous, medium in soluble salts. Carbonates and sulphates practically absent .	196000
2.	**Kawar Soils**	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 salts content with predominance bicarbonates and chlorides.	73700
3	**Mar soils**	These are black soils with high water holding capacity, neutral in reaction, slightly calcareous low in organic matter content, impeded drainage and prone to salinity in the water logged areas and average to soluble salts.	62700
4	**Rakar soils**	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 .	31442
5	**Yamuna Alluvium**	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.	20458

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

S. No	Crop	Area (ha)	Production (m.t.)	Productivity (q /ha)
(A)	**Cereal**			
1	**Wheat**	158550	211696	13.35
2	**Barley**	8524	7972	9.35
3	**Paddy**	1694	3004	17.33
4	**Jowar**	7949	6891	9.77
5	**Bajra**	14529	12620	8.69
6	**Maize**	4	4	9.23
	Total	**344866**	**345583**	**24.40**
(B)	**Pulses**			
1.	**Urd**	11412	4246	8.98
2.	**Moong**	1423	445	8.92
3.	**Lentil**	18613	9307	5.00
4.	**Gram**	37078	12847	3.46
5.	**Pea**	80664	74776	9.27
6.	**Arhar**	5352	1775	3.34
	Total	**154512**	**103396**	**21.70**
(C)	**Oilseed**			
1.	**Til**	69755	8371	1.2
2.	**Linseed**	220	130	5.89
3.	**Groundnut**	1	9	8.47

4.	**Sunflower**	0	0	0
5.	**Soyabean**	35	26	7.25
6.	**Mustard**	11371	3320	2.92
	Total	**81392**	**11856**	**25.73**
(D)	**Others**			
1.	**Sugarcane**	1276	51591	404.32
2.	**Potato**	456	10674	225.20
3.	**Onion**	205	-	-
4.	**Other veg.**	7316	-	-
5.	**Sanai**	93	99	3.95
6.	**Podder**	2261	-	-
7.	**Vegetable pea**	15000	1200000 (green pod)	80.00
8.	**Tomato**	150	25500	170.00
9.	**Turmeric**	2	5	24.80

Source- District Statistical Booklet (2016)

2.5. Weather data

Month	**Rainfall (mm)**	**Temperature ^{0} C**		**Relative Humidity (%)**
		Maximum	**Minimum**	

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

Category	**Population**	**Production**	**Productivity**
Cattle	**227684**	**-**	
Crossbred	**6669**	**-**	**-**
Indigenous	**221015**	**-**	**-**
Buffalo	**256282**	**-**	**-**
Sheep	**28912**	**-**	
Crossbred	**524**	**-**	**-**
Indigenous	**28388**	**-**	**-**
Goats	**267994**	**-**	**-**
Pigs	**24530**	**-**	**-**
Crossbred	**552**	**-**	**-**
Indigenous	**23978**	**-**	**-**
Rabbits	**-**	**-**	**-**
Poultry	**195889**	**-**	
Hens	195886	**-**	**-**
Desi	**-**	**-**	**-**
Improved	**-**	**-**	**-**
Ducks	**-**	**-**	**-**
Turkey and others	**865**	**-**	**-**
Horse and Donkey	**361**	**-**	**-**

Category	**Area**	**Production**	**Productivity**
Fish	**25 ha**	**1202 q/ha/yrs**	**27q/ha/yr**
Marine	**-**	**-**	**-**
Inland	**-**	**-**	**-**
Prawn	**-**	**-**	**-**
Scampi	**-**	**-**	**-**
Shrimp	**-**	**-**	**-**

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	Jalaun	Jalaun	(i) Nainpura **(DFI)** (ii) Harkka **(DFI)** (iii) Ruramallu (iv) Malakpura	Kharif & Rabi crops + vegetable + IFS Kharif & Rabi + OFT Kharif & Rabi + OFT	non availability of seeds, lack of appropriate technology and inadequate knowledge on the part of farmers. Imbalanced use of fertilizer, infestation of disease and pest and low market price of produce. In Livestock sector , the major problems are inadequate availability of green fodder, poor health services, low productivity, poor breeding services, and difficulties in loaning and marketing,	Quality seed production of different crop through farmer and organization of need based training, implementation of OFTs verification trial in production of cross breed cattle. Popularization of chebro breed of poultry, knowledge of diseases of animal is essential. Formation of SHGs and farm size club.
2	Orai	Dakore	(i) Gadhar (ii) Rura Addu (iii) Piya	Kharif & Rabi + OFT Kharif & Rabi + Nutrition garden Kharif & Rabi + Seed production		
3	Madhogarh	Madhogarh	Niranjanpur **(NICRA Village)** (i) Sisra Dogadhi	All related activities Kharif & Rabi + CFLD		

2.8 Priority thrust areas

S. No	Thrust area
Crop Production	
1	Testing different method of sowing in major crops (Sorghum, bajra etc,)
2	Popularization of hybrid varieties in different crop needs emphasis
3	Seed production of wheat, field pea, chickpea, lentil, barley, sesmum etc,
4	Popularization of wheat sowing with seed cum ferrti drill
5	Testing of balanced fertilizer in different crops.
6	Popularization of disease resistant varieties in all the major crops
7	Training of farmers, for effective use of water shed technology for Proper utilization of available rain water .
8	Promotion of seed village production programme.
9	Trials for the control of problem weeds like motha, kaans, parthenium spp, chhilwarim zaria etc.
10	Popularization of green manuring.
11	Awareness about sustainable agriculture.
12	Testing of suitable crop rotation for different soil.
13	Awareness about suitable cropping / forming systems.
14	Popularization of different suitable crop diversification.
15	Testing of low cost technology in different crops.
Soil Science	
1	Popularization of green manuring .
2	Popularization of Vermi and Nadep compost to nourish the soil and as part of integrated plant nutrient management .
3	Awareness about soil based application of micronutrients.
4	Popularization of Summer ploughing
5	Popularization of bio fertilizer and seed treatment .
6	Training and demonstration on application of micronutrients
7	Ensuring the availability of good quality micronutrients at reasonable prices.
8.	Awareness to soil fertility.

9.	Awareness to soil testing.
Horticulture	
1	Rain water management using watershed approach specially for vegetables.
2	Establishment of Amla and ber orchards in sodic land .
3	Popularization of commercial cultivation of flowers viz. rose, gladiolas, marigold etc.
4	Diversification for agro forestry.
Plant protection	
1	IPM in rice and wheat utilizing bio-agents like trichoderma, B.T. , NPV, Tricocard etc.
2	Popularization of integrated pest management (IPM) in control of pod borer.
3	Yellow vein mosaic management is most important in Urd and Moong.
4	Biopesticidal management of plant pests in vegetable and fruits.
5	Management of wilt in lentil and chickpea.
6.	Management of Aphid in mustard.
Agriculture Extension	
1	Collectivization of farmers to adopt sustainable agriculture technique.
2	Formation of self help groups (SHGs) of farmers and farm women.
3	Coordination with different line department.
4	Connecting famers with advance information communication technique.
5	Raising awareness among young farmers towards entrepreneurship.
6	Educating farmers regarding growing kharif crops.
Home Science	
1	Knowledge of safe grain storage to be imparted to the rural women
2	Child care and nutrition need emphasis.
3	Kitchen gardening knowledge to be imparted to women.
4	Vegetable and fruits preservation techniques need to be taught.
5	Cutting and tailoring are having vast potentialities for rural women.
Animal husbandry	
1.	To overcome the low productivity problems in livestock KVK emphasize animal nutrition and disease management in Live stock.
2.	Popularization of artificial insemination.
3.	Awareness for improved breeds of cow, goat and buffalo.
4.	Natural Farming

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**	
Targets	**Achievement**	**Targets**	**Achievement**	**Targets**	**Achievement**	**Targets**	**Achievement**
10	-	30	-	**11**		**266**	
				Til			
				4 ha		**10**	
				Wheat			
				14 ha		**35**	
				Field Pea			
				5 ha		**12**	
				Mung			
				5 ha		**12**	
				Livestock			
				3 Units		**3**	
				Backyard poultry			
				3 Units		**3**	
				Kitchen Garden			
				50 Units		**50**	
				Green Leafy Vegetables			
				10 Units		**10**	

				Oilseeds			
				50 Units		**50**	
				Lentil			
				50 Units		**50**	

Training				**Extension Activities**			
3				**4**			
Number of Courses		Number of Participants		Number of activities		Number of participants	
Targets	**Achievement**	**Targets**	**Achievement**	**Targets**	**Achievement**	**Targets**	**Achievement**
100		2500		**250**		**12882**	
				Field day			
				8		**507**	
				Kisan Mela			
				3		**844**	
				Kisan Ghosthi			
				5		**352**	
				Exhibition			
				4		**412**	
				Method Demons.			
				14		**42**	
				Group meetings			
				12		**565**	
				Lectures delivered as resource persons			
				150		**Mass**	
				News Paper coverage			
				150		**Mass**	
				Radio talks			
				4		**Mass**	
				TV talks			
				6		**Mass**	
				Popular articles			
				6		**Mass**	
				Extens. Literature			
				6		**Mass**	

Seed Production (Qtl.)		**Planting material (Nos.)**	
5		**6**	
Target	**Achievement**	**Target**	**Achievement**
200	**-**	**20000**	**-**

4. B. Abstract of interventions to be undertaken

S. N.	Thrust area	Crop/ Enterprise	Identified Problem	Intervention				
				Title of OFT if any	Title of FLD if any	Title of Training if any	Extension activities	Supply of seeds, planting materials etc.
1	Ridge sowing	Til	Mortality of crop due to high rainfall	Testing of Ridge Sowing in til crop to overcome the water lagging in heavy soil	--	Production of Til	Field visit training and field day	Seed

2	Varietal evaluation	Black gram	Loss of crop due to aberrant weather condition	Assessment of Short duration varieties of Black gram	-	Short duration varieties of black gram.	Field day & training	Seed
3	Varietal evaluation	Wheat	Low yield of wheat due to terminal heat condition at the time of maturity	Evaluation of short duration high yielding varieties of wheat	-	Improved varieties of Wheat.	Field day and field visit	Seed
4	IPM	Urd bean	Low yield of Urd bean due to heavy incidence of yellow mosaic disease (Av. Yield losses up to 15-20%)	Management of Yellow mosaic disease in Urd bean	--	Diseases in Urd crop	Training & Field visit	Seed and pesticides
5	IPM	Field pea	High cost to control pod borer as well as lethal effect of pesticides on human health and environment.	Assessment of biological control of pod borer for natural farming.	-	Integrated pest management	Field day, Field Visit & Training	Bramhastra and Agniastra
6	Feed management	Livestock	Less body growth due to unavailability of balance feed	Assessment of the effect of supplimentation of Moringa oleifera leaf powder on growth perforance of poultry (Adult)	-	Feed management in poultry	Field day, Field Visit & Training	Moringa leaf powder
7.	Green fodder production	Livestock	Low fodder production and low quality of fodder	Assessment of organic formulations of Jeevamrit on berseem crop	-	Green fodder production	Field day, Field Visit & Training	Pulse flour and Jaggery
8	Nutrition	Wheat flour and Moringa Oleifera leaf powder	Malnutrition in children and women	Enrichment of wheat flour with moringa oleifera leaf powder to combat malnutrition	-	Nutrition management in daily food	Field day, Field Visit & Training	Wheat Flour, Moringa Oleifera leaf powder and Moringa Oleifera plant
9	Drudgery reduction	Protective clothing	Exposure to husk, dust, sun rays and face health problems like itching, irritation , cut and sores.	Protective cloths for farm women during harvesting, threshing and winnowing activities of chickpea.	-	Importance of Protective clothing	Field day, Field Visit & Training	apron, mask, hand gloves, plain glasses, and shoes
10	Til-Mustard-Fellow	Mustard	Yield loss due to Aphid in Mustard/Rapeseed	ITK effect (Use of Putrefied buttermilk and Alum mixture on Mustard/Rapeseed to control Aphid.	-	Indigenous Technical Knowledge (ITK)	Field day,Field Visit & Training	Putrefied buttermilk and Alum mixture

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	Others	Tot Al
Varietal Evaluation	1		1							2
Integrated Crop Management		2								2
Drudgery reduction									1	1
Integrated Pest Management			1							1
Integrated Disease Management			1							1
High nutrient efficiency diet									1	1
TOTAL	1	2	3						2	8

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										
Weed Management										
Seed / Plant production										
Integrated Nutrient Management										
Integrated Pest Management										
TOTAL										0

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								
Nutrition Management		1						1
Feed and Fodder	1							1
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 to be furnished in the following format

OFT I (Crop Science)

1	Crop/ Enterprise	Til
2	Title of on-farm trials:	Testing of Ridge Sowing in til crop to overcome the water lagging in heavy soil
3	Problem diagnose :	Mortality of crop due to high rainfall
4	Farming Situation	Rainfed
5	Production sys. And them. Area	Ridge sowing
6.	Farmers practice	Flat sowing by broadcasting
7.	Details of tech. selec for assess./refinem.	Line sowing with ridge maker
8.	Source of technology:	BUAT, Banda
9.	No. of farmers	3
10	Critical input	Seed & Technology
11	Performance Indicators	
I	Technical	1. No of pods/plant 2.Grain yield q/ha
II	Economics	B:C ratio.
III	Social	Acceptability of farmer and their reactions

OFT II (Crop Science)

1.	Crop/ Enterprise	Black gram
2.	Title of on-farm trial:	Assessment of Short duration varieties of Black gram
3.	Problem diagnose :	Loss of crop due to aberrant weather condition
4.	Farming Situation	Irrigated
5.	Prod.sys. and them. Area	Varietal Evaluation
6.	Farmers practices	T1-Azad Urd-2
7.	Details of tech. selected for asses./ refine.	T2- IPU 11-2 T3- IPU 13-1 T4 – IPU 10-26
8.	Source of tech.	IIPR, Kanpur
9.	No. of farmers	3
10.	Critical input	Seed
11.	Performance Indicators	
I)	Technical	1. Days to maturity 2. Yield (q/ha)
II)	Economics	B: C ratio.
III)	Social	Acceptability of farmer and their reactions

OFT-III (Crop Science)

1.	Crop/Enterprise	Wheat
2.	Title of on-farm trial	Evaluation of short duration high yielding varieties of wheat
3.	Problem diagnosed	Low yield of wheat due to terminal heat condition at the time of maturity
4.	Farming situation	Irrigated
5.	Prod. System and thematic area	Varietal Evaluation
6.	Farmers' Practices	T1- local variety (PBW-343)
7.	Details of tech. selected for asses.refinement	T2 – Karan Vandana (DBW-187) T3- K-1317
8.	Source of technology	ICAR- IIWBR, Karnal & CSA Uni. Kanpur
9.	No. of farmers	3
10	Critical input	Seed
	i. Technical	1. Days to maturity 2. Yield (q/ha)
	ii. Economics	B:C ratio.
	iii. Social	Acceptability of farmer and their reactions

OFT-IV (Plant Protection)

1	Crop/ Enterprise	Urd bean
2	Title of on-farm trials	Management of Yellow mosaic disease in Urd bean
3	Problem diagnose	Low yield of Urd bean due to heavy incidence of yellow mosaic disease (Av. Yield losses up to 15-20%)
4	Farming Situation	Irrigated
5	Prod.Sys.and thema. area	Integrated pest management
6	Farmers practices	T1- Spraying of insecticide at the time of incidence of disease
7	Details of tech. selected for asses./ refin.	T2- Seed treatment with thiomethoxam 70ws @ 3 gm/ Kg seed T3- Spraying of Acetameprid 20 SP @ 0.20g /L T4-Flubendiamide 39.35 SC @ 0.20g/L
8	Source of tech.	University of Agricultural Sciences, Dharwad
9	No. of farmers	3
10	Critical input	Seed and pesticides
11	Performance Indicators	
I)	Technical	1.Whitefly population 2. Per cent Disease incidence 2. Grain yield (q/ha)
II)	Economics	B:C ratio.
III)	Social	Acceptability of farmer and their reactions

OFT-V (Plant Protection)

1	Crop/ Enterprise	Field pea
2	Title of on-farm trials	**Assessment of biological control of pod borer for natural farming.**
3	Problem diagnose	High cost to control pod borer as well as lethal effect of pesticides on human health and environment.
4	Farming Situation	Irrigated
5	Prod.Sys.and thema. area	Integrated pest management
6	Farmers practices	T1- Insecticide spray
7	Details of tech. selected for asses./ refin.	T2 – Bramhastra @ 2 lt of extract in 100 lt of water (20%) T3 – Agniastra@ 2 lt of extract in 100 lt of water (20%) (Two spray of T2 and T3 will be conducted)
8	Source of tech.	Acharya N. G. Ranga Agril. University, Lam, Guntur, Andhra Pradesh, India
9	No. of farmers	3
10	Critical input	Bramhastra and Agniastra
11	Performance Indicators	
I)	Technical	1. No. of larvae/ m^2 2. % Pod damage 3. Grain yield (q/ha)
II)	Economics	4. Application cost 5. B:C ratio.
III)	Social	Acceptability of farmer and their reactions

OFT-VI (Animal Science)

1.	Crop/Enterprise	Livestock
2.	Title of on-farm trial	Assessment of the effect of supplimentation of Moringa oleifera leaf powder on growth perforance of poultry (Adult)
3.	Problem diagnosed	Less body growth due to unavailability of balance feed
4.	Farming situation	Household requirement
5.	Production system and thematic area	Feed management
6.	Farmers' Practices	T1: Local available feed
7.	Details of tech.selected for asses./ refin.	T2 : (Moringa leaf powder and local available feed -70 gram/day/poultry)
8.	Source of technology	Directorate of Poultry Research, Hyderabad
9.	No. of farmers	3
10.	Critical input	Moringa leaf powder
11.	Performance of the technology with performance indicators i Technical	Body weight No. of egg production
	ii. Economics	B:C ratio
	iii.Social	Acceptability of farmer and their reactions

OFT-VII (Animal Science)

1.	Crop/Enterprise	Livestock
2.	Title of on-farm trial	Assessment of organic formulations of Jeevamrit on berseem crop
3.	Problem diagnosed	Low fodder production and low quality of fodder
4.	Farming situation	Livestock based farming
5.	Prod.Sys. and them.area	Green fodder production
6.	Farmers' Practice	T1 – Urea application
7	Details of technology selected	T2 - Jeevamrit (Cow dung- 10kg +Cow urine 10L+Jaggery 2kg + Flour of pulse – 2kg + Live soil(Healthy soil)- 1 kg + Water- 180L), (soil and foliar application – 5 times)
8.	Source of technology	Low cost Natural Farming by Aacharya Deovrat
9.	No. of farmers/trials	3
11.	Critical input	Pulse flour and Jaggery
	i. Technical	1. No. of cutting 2. Yield (q/ha)
	iii. Economics	1. Cost saving over farmer practice. 2. B: C ratio.
	ii. Social	Acceptability of farmer and their reactions

OFT-VIII (Home Science)

1. Crop/Enterprise	Wheat flour and Moringa Oleifera leaf powder
2- Title of On Farm Trial	Enrichment of wheat flour with moringa oleifera leaf powder to combat malnutrition
3- Problem Diagnosed	Malnutrition in children and women
4- Farmers Practices	T1- Wheat Flour (100%)
5- Details of Technologies	T2- Wheat Flour: Moringa Oleifera leaf powder (95:5) T3- Wheat Flour: Moringa Oleifera leaf powder (93:7) T4- Wheat Flour: Moringa Oleifera leaf powder (90:10)
6- Source of Technology	University of Agricultural Science, Bangalore
7- No. of Farm Women	3
8- Critical Input	Moringa Oleifera leaf powder
10- Performance Indicator	
Technical	1- Calculation of Nutrient content of 100g product. (C. Gopalan et. al.) 2- Anthropometric measurement (height and weight) 3- Sensory evaluation on 9 point Hedonic scale of product characteristics i.e. colour, texture, taste and appearance
Social	Adoption of technology

OFT- IX (Home Science)

1. Crop/Enterprise	Protective clothing
2- Title of On Farm Trial	Protective cloths for farm women during harvesting , threshing and winnowing activities of chickpea.
3-Problem Diagnosed	Exposure to husk, dust, sun rays and face health problems like itching, irritation , cut and sores.
4- Farmers Practices	T1- Use old shirt to cover their body and pallu of their saree or dupatta to cover their head and face.
5- Details of Technologies	T2- Use of protective clothes (apron,mask,gloves,plain glasses, and shoes)
6- Source of Technology	GBPUAT, Pantnagar
7- No. of Farm Women	3
8- Critical Input	apron, mask, hand gloves, plain glasses, and shoes
9- Performance Indicator	
i. Technical	Suitability , Comfortability and work efficiency
ii. Economics	Affordability
iii. Social	Adoption of technology

OFT- X (Ag. Extension)

1.	**Crop/Enterprise**	Mustard
2.	**Title of on-farm trial**	ITK effect (Use of Putrefied buttermilk and Alum mixture on Mustard/Rapeseed to control Aphid.
3.	**Problem diagnosed**	Yield loss due to Aphid in Mustard/Rapeseed
4.	**Farming situation**	Irrigated
5.	**Prod.Sys. and them.area**	Til-Mustard-Fellow
6.	**Farmers' Practice**	T1 – Use of Insecticide to control Aphid in Mustard/Rapeseed
7	**Details of technology selected**	T2 - Use of Putrefied buttermilk and Alum mixture to control Aphid population (ITK) Putrefied buttermilk (5% V/V) and Alum mixture (0.25 w/v) as indigenous/traditional way of management (used to control Aphid)
8.	**Source of technology**	Indigenous Technical Knowledge (ITK)
9.	**No. of farmers/trials**	3
10.	**Critical input**	Putrefied buttermilk and Alum mixture
	i. Technical	1. Insect Population per plant, percentage decline in Aphid 2. Yield (q/ha),
	iii. Economics	1. Cost saving over farming practices 2. B: C ratio.
	ii. Social	Farmer's acceptability

3.2 Frontline Demonstrations

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

S. No	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)	No. of farmers	Parameters identified
1	Til	IPNM	Nano Urea	Kharif	4	10	- Yield (q/ha) - B:C Ratio
2	Wheat	Heat resistance / Less duration	Variety (Karan Vandana DBW-187)	Rabi	10	25	Crop Duration & Yield
3	Wheat	Moisture conservation	PUSA Hydrogel	Rabi	4	10	No. of irrigation & Yield
4	Field Pea	Pod borer control	Novalueron 10 EC@0.7 ml/l	Rabi	5	12	Insect Infestation & Yield
5	Mung	Yellow vein mosaic disease control	Spraying of Acetameprid 20 SP @ 0.20g /L	Kharif	5	12	Insect, Disease Infestation & Yield
6	Livestock	Green fodder production	Chari (MP Chari)-Berseem (Vardan)-Maize (African tall)	Whole Year	3 Units	3 (Having more than 3 animals)	- Yield of fodder (q/year) - Milk production/ Animal
7	Backyard Poultry	To increase income of landless farmers	Dual breed [Broiler & layer]	Rabi	3 units	3	-Meat production -Eggs
8	Kitchen Garden	Nutritional security	Improved varieties	Kharif, Rabi, Zaid	50 Units	50	Yield

9	Green Leafy Vegetable (Spinach/ Fenugree leaves / Chickpea leaves)	Value addition	Sun drying technique (KMS treatment)	Rabi	10 Units	10	- Organoleptic evaluation (Color, Taste and texture evaluation)
10	Oilseeds	Natural Farming	Technical Bulletin on "Use of Natural Farming Techniques"	Kharif (2023)	50 units	50	- Knowledge, Attitude and Skill of farmers - Adoption of technologies identified
11	Lentil	Knowledge level of farmers	Package of Practice recommended by State universities	Rabi (2023-24)	50 units	50	- Knowledge, Attitude and Skill of farmers - Adoption of technologies identified

B. Extension and Training activities under FLDs

S.No.	Activity	No. of activities	Month	Number of participants
1	Field days	11	April –March	106
2	Farmers Training	11	April –March	300
3	Media coverage	11	April –March	Mass
4	Training for extension functionaries	2	April –March	60

Demand of crop wise Area (ha) for FLDs

Pulses

Crops	Area (ha)	No. of demonstrations
Til	4 ha	10
Backyard Poultry	3 Unit	3
Wheat	14 ha	35
Field Pea (Pod borer Control)	5 ha	12
Mung (Mosaic control)	5 ha	12
Lentil (Pamphlet)	50 Unit	50
Green Fodder	3 Unit	3
Nutritional gardening	50 Units	50
Oilseeds (Natural Farming)	50 Units	50
Green Leafy Vegetables	10 Units	10
Total	**28 ha + 166 Units**	**235**

Details of FLD on Enterprises

(i) Farm Implements

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Critical inputs	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated	
						Demon.	Local check
Nil							

** Milk production, meat production, egg production, reduction in disease incidence etc.*

(**iii) 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	
						Demon.	Local check
Mushroom	button mushroom	10	10	compost & spawn	yield	-	-
Apiary	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-
Vermi compost	-	-	-	-	-	-	-

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/ Control of parthenium hysterophorus in cropped and un copped land	1	22	06	28	7	4	11	39
Cropping Systems	1	18	8	26	5	6	11	37
Water management	2	20	5	25	4	5	9	34
Seed production	2	16	6	22	7	5	12	34
Integrated Crop Management	1	12	10	22	8	5	13	35
Fodder production	2	20	5	25	4	3	7	32
II Horticulture								
a) Vegetable Crops								
Nursery raising	2	12	5	17	6	5	11	28
Grading and standardization	1	10	5	15	4	3	7	22
b) Fruits								
Training and Pruning	2	12	10	22	5	4	9	31
Rejuvenation of old orchards/ un fruitfulness in fruit tree in old fruit trees and its control	1	16	6	22	6	3	9	31
c) Ornamental Plants								
Nursery Management	1	10	6	16	4	3	7	23
d) Plantation crops								
e) Tuber crops								
f) Spices								
g) Medicinal and Aromatic Plants								
Post harvest technology and value addition	2	12	9	21	7	5	12	33
III Soil Health and Fertility Management								
Soil fertility management/ organic farming preparation of Vermi and Nadep Compost	2	21	7	28	9	5	13	41
Soil and Water Conservation	1	18	6	24	8	5	13	37
Integrated Nutrient Management	1	12	5	17	7	6	13	30
Production and use of organic inputs	2	10	5	15	6	5	11	26
Nutrient Use Efficiency	2	12	9	21	8	6	14	35
Soil and Water Testing	1	10	5	15	4	3	7	22
IV Livestock Production and Management								
Dairy Management	01	22	08	28	7	4	414	39
Poultry Management	01	18	08	20	5	6	11	37
Disease Management	02	20	05	25	04	05	09	34
Natural Farming	02	16	06	22	7	5	12	34

V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	-	20	20	-	10	10	30
Designing and development for high nutrient efficiency diet	1	-	15	15	-	10	10	25
Storage loss minimization techniques	1	-	20	20	-	05	05	25
Value addition	2	05	40	45	02	08	10	55
Income generation activities for empowerment of rural Women	2	-	40	40	5	10	15	55
Rural Crafts	1	-	15	15	-	5	5	20
Women and child care	1	-	17	17	-	10	10	27
VI Agril. Engineering								
VII Plant Protection								
Integrated Pest Management / control of pod borer in pigeon pea	1	20	5	25	9	3	12	37
Integrated Disease Management	1	10	6	16	8	4	12	28
Bio-control of pests and diseases / Safe storage legume and cereals grain	1	16	6	22	6	3	9	31
VIII Fisheries								
IX Production of Inputs at site								
Seed Production	2	15	6	21	6	4	10	31
Vermi-compost production	2	12	5	17	7	5	12	29
X Capacity Building and Group Dynamics								
Leadership development	2	16	6	22	8	5	13	35
Group dynamics	1	8	6	14	5	4	9	23
Formation and Management of SHGs / FPIs	1	9	6	15	4	3	7	22
Mobilization of social capital	1	10	7	17	6	3	9	26
Entrepreneurial development of farmers/youths	1	12	8	20	5	3	8	28
XI Agro-forestry								
XII Others (Pl. Specify)								
TOTAL	**60**	**529**	**403**	**932**	**327**	**314**	**439**	**1371**
(B) RURAL YOUTH								
Mushroom Production/ cultivation	2	15	7	22	5	3	8	30
Integrated farming	1	12	8	20	7	4	11	31
Seed production / rice seed production technology	2	18	3	21	5	3	8	29
Production of organic inputs	2	16	6	22	4	3	7	29
Vermi-culture	2	15	5	20	6	4	10	30
Protected cultivation of vegetable crops	1	12	6	18	5	3	8	26
Nursery Management of Horticulture crops / cultivation of Mentha crop	2	15	3	18	4	3	7	25
Training and pruning of orchards	1	14	6	20	5	2	7	27
Natural Farming	1	12	5	17	3	2	5	22
Production of quality animal products	01	16	04	23	05	04	8	60
Dairying	01	12	6	18	5	3	8	26
Sheep and goat rearing	2	12	6	18	5	3	8	26
Para extension workers	1	12	8	20	7	4	11	31
Post Harvest Technology	2	14	8	22	7	5	12	34
TOTAL	**22**	**211**	**87**	**301**	**81**	**43**	**429**	**459**
(C) Extension Personnel								
Productivity enhancement in field crops	1	12	10	22	6	4	10	32
Integrated Pest Management	1	14	6	20	5	3	8	28
Integrated Nutrient management	1	16	6	22	5	3	8	30
Natural Farming	1	12	5	17	4	3	7	24
Formation and Management of SHGs / FPIs	1	13	7	20	6	2	8	28
Group Dynamics and farmers organization	1	12	9	21	6	2	8	29
Care and maintenance of farm machinery and implements	1	16	6	22	7	5	12	34
Management in farm animals	01	12	10	22	6	4	10	32
Livestock feed and fodder production	1	14	6	20	5	3	8	28
Production and use of organic inputs / Production and use of Nadep and vermin compost	1	30	5	35	8	3	11	46
TOTAL	**10**	**151**	**70**	**221**	**58**	**32**	**90**	**311**

A) OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management/ Control of parthenium hysterophorus in cropped and un copped land	1	22	06	28	7	4	11	39
Fertilizer management	1	18	8	26	5	6	11	37
Irrigation management	1	20	5	25	4	5	9	34
Seed production	1	16	6	22	7	5	12	34
Integrated Crop Management	1	12	10	22	8	5	13	35
Natural Farming	1	20	5	25	4	3	7	32
II Horticulture								
a) Vegetable Crops								
Nursery raising	1	12	5	17	6	5	11	28
Grading and standardization	1	10	5	15	4	3	7	22
b) Fruits								
Training and Pruning	1	12	10	22	5	4	9	31
Rejuvenation of old orchards/ un fruitfulness in fruit tree in old fruit trees and its control	1	16	6	22	6	3	9	31
c) Ornamental Plants								
Nursery Management	1	10	6	16	4	3	7	23
d) Plantation crops								
e) Tuber crops								
f) Spices								
g) Medicinal and Aromatic Plants								
Post harvest technology and value addition	1	12	9	21	7	5	12	33
III Soil Health and Fertility Management								
Soil fertility management/ organic farming preparation of Vermi and Nadep Compost	1	21	7	28	9	5	13	41
Soil and Water Conservation	1	18	6	24	8	5	13	37
Integrated Nutrient Management	1	12	5	17	7	6	13	30
Production and use of organic inputs	1	10	5	15	6	5	11	26
Nutrient Use Efficiency	1	12	9	21	8	6	14	35
Soil and Water Testing	1	10	5	15	4	3	7	22
IV Livestock Production and Management								
Dairy Management	1	21	7	28	9	5	13	41
Poultry Management	1	18	6	24	8	5	13	37
Disease Management	1	10	5	15	6	5	11	26
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	3	15	25	40	-	20	20	60
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet	1	5	15	20	-	10	10	30
Gender mainstreaming through SHGs	1	5	20	25	-	10	10	35
Storage loss minimization techniques	1	5	15	20	5	10	15	35
Value addition	3	10	30	40	-	25	25	65
Income generation activities for empowerment of rural Women	2	-	30	30	-	10	10	40
Rural Crafts	1	-	20	20	-	10	10	30
VI Agril. Engineering								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management / control of pod borer in pigeon pea	1	20	5	25	9	3	12	37
Integrated Disease Management	1	10	6	16	8	4	12	28
Bio-control of pests and diseases / Safe storage legume and cereals grain	1	16	6	22	6	3	9	31
VIII Fisheries								

IX Production of Inputs at site								
Seed Production	1	15	6	21	6	4	10	31
Vermi-compost production	1	12	5	17	7	5	12	29
X Capacity Building and Group Dynamics								
Leadership development	1	16	6	22	8	5	13	35
Group dynamics	1	8	6	14	5	4	9	23
Formation and Management of SHGs	1	9	6	15	4	3	7	22
Mobilization of social capital	1	10	7	17	6	3	9	26
Entrepreneurial development of farmers/youths	1	12	8	20	5	3	8	28
XII Others (Pl. Specify)								
TOTAL	**47**	**547**	**384**	**921**	**225**	**245**	**448**	**1389**
(B) RURAL YOUTH								
Mushroom Production/ cultivation	1	15	7	22	5	3	8	30
Integrated farming	1	12	8	20	7	4	11	31
Seed production / rice seed production technology	1	18	3	21	5	3	8	29
Production of organic inputs	1	16	6	22	4	3	7	29
Vermi-culture	1	15	5	20	6	4	10	30
Protected cultivation of vegetable crops	1	12	6	18	5	3	8	26
Natural Farming	1	16	6	22	8	3	11	33
Nursery Management of Horticulture crops / cultivation of Mentha crop	1	15	3	18	4	3	7	25
Training and pruning of orchards	1	14	6	20	5	2	7	27
Value addition	1	12	5	17	3	2	5	22
Dairying	1	15	5	20	6	4	10	30
Poultry production	1	16	6	22	4	3	7	29
Fish harvest and processing technology	1	16	6	22	8	3	11	33
Post-Harvest Technology	1	14	8	22	7	5	12	34
TOTAL	**14**	**206**	**80**	**286**	**77**	**45**	**122**	**408**
(C) Extension Personnel								
Productivity enhancement in field crops	1	12	10	22	6	4	10	32
Integrated Pest Management	1	14	6	20	5	3	8	28
Integrated Nutrient management	1	16	6	22	5	3	8	30
Rejuvenation of old orchards	1	12	5	17	4	3	7	24
Formation and Management of SHGs	1	13	7	20	6	2	8	28
Group Dynamics and farmers organization	1	12	9	21	6	2	8	29
Natural Farming	1	16	6	22	7	5	12	34
Management in farm animals	1	14	5	20	5	3	8	28
Livestock feed and fodder production	1	12	5	17	4	3	7	24
Production and use of organic inputs / Production and use of Nadep and vermi compost	1	30	5	35	8	3	11	46
TOTAL	**10**	**151**	**65**	**216**	**58**	**31**	**87**	**303**

Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	44	12	56	14	8	22	78
Cropping Systems	2	36	16	52	10	12	22	74
Water management	3	40	10	50	8	10	18	68
Seed production	3	32	12	44	14	10	24	68
Integrated Crop Management	2	24	20	44	16	10	26	70
Fodder production	3	40	10	50	8	6	14	64
II Horticulture								
a) Vegetable Crops								

Nursery raising	3	24	10	34	12	10	22	56
b) Fruits								
Training and Pruning	3	24	20	44	10	8	18	62
Rejuvenation of old orchards	2	32	12	44	12	6	18	62
c) Ornamental Plants								
Nursery Management	2	20	12	32	8	6	14	46
d) Plantation crops								
e) Tuber crops								
f) Spices								
g) Medicinal and Aromatic Plants								
Post harvest technology and value addition	3	24	18	42	14	10	24	66
III Soil Health and Fertility Management								
Soil fertility management	3	42	14	56	18	10	26	82
Soil and Water Conservation	2	36	12	48	16	10	26	74
Integrated Nutrient Management	2	24	10	34	14	12	26	60
Production and use of organic inputs	3	20	10	30	12	10	22	52
Nutrient Use Efficiency	3	24	18	42	16	12	28	70
Soil and Water Testing	2	20	10	30	8	6	14	44
IV Livestock Production and Management								
Dairy Management	2	43	13	56	16	9	24	80
Poultry Management	2	36	14	50	13	11	24	74
Rabbit Management	3	30	11	37	13	10	23	60
Feed management	2	16	6	22	7	5	12	34
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	5	15	45	60	0	30	30	90
Designing and development for high nutrient efficiency diet	2	5	30	35	0	20	20	55
Gender mainstreaming through SHGs	1	5	20	25	0	10	10	35
Storage loss minimization techniques	2	5	35	40	5	15	20	60
Value addition	5	15	70	85	2	33	35	120
Income generation activities for empowerment of rural Women	4	0	70	70	5	20	25	95
Rural Crafts	2	0	35	35	0	15	15	50
Women and child care	1	0	17	17	0	10	10	27
VI Agril. Engineering								
VII Plant Protection								
Integrated Pest Management	2	40	10	50	18	6	24	74
Integrated Disease Management	2	20	12	32	16	8	24	56
Bio-control of pests and diseases	2	32	12	44	12	6	18	62
VIII Fisheries								
IX Production of Inputs at site								
Seed Production	3	30	12	42	12	8	20	62
Vermi-compost production	3	24	10	34	14	10	24	58
X Capacity Building and Group Dynamics								
Leadership development	3	32	12	44	16	10	26	70
Formation and Management of SHGs	2	18	12	30	8	6	14	44
Mobilization of social capital	2	20	14	34	12	6	18	52
Entrepreneurial development of farmers/youths	2	24	16	40	10	6	16	56

XI Agro-forestry								
XII Others (Pl. Specify)								
TOTAL	**107**	**1066**	**788**	**1850**	**455**	**458**	**910**	**2760**
(B) RURAL YOUTH								
Mushroom Production	3	30	14	44	10	6	16	60
Integrated farming	2	24	16	40	14	8	22	62
Seed production	3	36	6	42	10	6	16	58
Production of organic inputs	3	32	12	44	8	6	14	58
Vermi-culture	3	30	10	40	12	8	20	60
Protected cultivation of vegetable crops	2	24	12	36	10	6	16	52
Repair and maintenance of farm machinery and implements	3	32	12	44	16	6	22	66
Nursery Management of Horticulture crops	3	30	6	36	87	6	14	50
Training and pruning of orchards	2	28	12	40	10	4	14	54
Value addition	2	24	10	34	6	4	10	44
Production of quality animal products	2	16	9	23	5	4	8	60
Dairying	2	27	11	38	11	7	18	56
Sheep and goat rearing	1	12	6	18	5	3	8	26
Poultry production	1	16	6	22	4	3	7	29
Para extension workers	1	12	8	20	7	4	11	31
Post Harvest Technology	3	28	16	44	14	10	24	68
TOTAL	**36**	**401**	**166**	**565**	**229**	**91**	**240**	**834**
(C) Extension Personnel								
Productivity enhancement in field crops	2	24	20	44	12	8	20	64
Integrated Pest Management	2	28	12	40	10	6	16	56
Integrated Nutrient management	2	32	12	44	10	6	16	60
Rejuvenation of old orchards	2	24	10	34	8	6	14	48
Formation and Management of SHGs	2	26	14	40	12	4	16	56
Group Dynamics and farmers organization	2	24	18	42	12	4	16	58
Care and maintenance of farm machinery and implements	2	32	12	44	14	10	24	68
WTO and IPR issues	2	26	16	42	11	7	18	60
Management in farm animals	1	12	5	17	4	3	7	24
Livestock feed and fodder production	1	14	6	20	5	5	8	28
Production and use of organic inputs	2	60	10	70	16	6	22	92
TOTAL	**20**	**302**	**135**	**437**	**114**	**63**	**177**	**614**

Please furnish the details of training programmes as Annexure in the proforma given below

i) Farmers & Farm women

Date	**Clientele**	**Title of the training programme**	**Duration in days**	**Venue (Off / On Campus)**	**Number of participants**			**Number of SC/ST**		
					Male	**Female**	**Total**	**Male**	**Female**	**Total**
May -23	Crop production	Nutrient and weed Management in kharif pulses	1	Off	12	8	20	6	3	9
Oct-23		Integrated weed nutrient management in chickpea	2	On	13	3	16	4	2	6
Nov-23		Seed treatment & weed management in wheat	2	On	12	3	15	3	2	5
Nov-23		Control of phalaris minor in wheat	1	Off	20	5	25	10	5	15
Dec-23		Nutrient management in late sown wheat	2	On	15	2	17	5	2	7

Feb-23		Introduction on groundnut in summer season	2	On	10	5	15	10	4	14
Mar-23		Integrated weed nutrient management in Zaid pulse	2	On	12	2	14	3	2	5
Mar-23		Control of Kaans and motha	1	Off	10	2	12	5	3	8
Apr-23	Soil Science	Deep summer ploughing in soil	2	On	10	5	15	7	6	13
May-23		Green manuring	2	On	11	4	15	12	3	15
Jun - 23		Integrated nutrient management in kharif pulses	2	On	12	3	15	6	2	8
Oct - 23		Use of rhizobium culture and PSB culture in rabi pulses	2	On	9	8	17	4	3	7
Jan-23		Production and use of organic input	2	On	8	5	13	6	3	9
Feb-23		Use of rhizobium culture in moog bean and urd bean crop	2	On	9	6	15	5	3	8
Oct - 23	Horticulture	Improved cultivation technique of cucurbits	1	On	11	3	14	8	2	10
Jan - 23		Layout planning of fruit plant	1	On	10	3	13	7	2	9
Feb-23		Cultivation techniques of early cauliflower	1	On	9	2	11	5	2	7
Apr-23	Extension	Motivation training to farm science member	1	On	11	3	14	7	2	9
Oct-23		Management of self help group	2	On	12	3	15	9	2	11
Nov-23		Awareness about improved agriculture	2	On	11	2	13	7	2	9
Jan-23		Formation of formers interest groip	1	On	13	2	15	8	2	10
Feb-23		Formation and Management of SHG	1	On	12	3	15	9	2	11
Apr-23	Plant protection	Control of pumbkin beatel in cucurbits crops	1	On	12	3	15	7	2	9
Oct - 23		Insect and pest management in chickpea	1	On	9	2	11	5	2	7
Feb-23		Integrated pest management in cucurbits	1	On	11	2	13	7	2	9
Jan-23	Home Science	Food Security Through Kitchen Gardening under Crop Cafeteria.	2	-	40	40	5	10	15	55
Feb-23		Fruit and Vegetation preservation.	2	-	20	20	-	10	10	30

Mar-23		Knitting of woolen Cloth for a babyhood	2	05	40	45	02	08	10	55
Apr-23	`	Awareness of Storage of Grain and Pulses.	1	-	20	20	-	05	05	25
May-23		Formation of Self Help Group.	1	-	22	25	-	06	04	21
Jul-23		Preparation of Candle making.	2	1	25	20	-	07	05	25
Oct-23		Management of Kitchen Gardening.	1	-	22	26	2	05	06	25
Dec-23		Preparation of Mixed Fruit Jam.	2	1	25	24	2	08	06	20
July-23	Animal Husbandry	Fodder production techniques.	1	On	22	26	2	5	6	25
Aug-23		Care of newly born calf of animals.	1	On	23	26	2	5	5	25
Sept-23		Feed and fodder management in animals.	1	On	21	25	20	7	5	28
Oct-23		Berseem & oat production techniques	1	On	1	25	20	7	5	25
Nov 23		Fodder conservation techniques	2	On	225	24	2	8	6	20
Dec 23		Poultry farming	2	On	25	24	2	8	6	20
Jan 23		Control of common disease in animal	1	On	25	23	3	8	6	20
Feb-23		Method milking in milch animals.	1	On	25	23	3	8	6	20
March -23		Method of clean milk production	1	On	25	23	3	8	6	20

ii) Vocational training programmes for Rural Youth

Identified Thrust Area	Training title*	Duration (days)	No. of Participants			SC/ST participants		
			Male	Female	Total	Male	Female	Total
Crop prod.	Quality seed prod. of chickpea	2	18	2	20	5	1	6
	Quality seed prod. of wheat	2	14	6	20	7	2	9
	Seed prod. of Urd and Moong	2	14	2	16	8	2	10
	Seed prod. of kharif pulses	2	12	2	14	8	2	10
Soil sci.	Preparation of vermi and nadep compost	2	13	2	15	7	1	8
Extension	Role of SHG in agriculture base employment	2	11	3	14	8	2	10
	Training of mushroom production technology	4	14	6	20	7	1	8
Plant protection	Preparation Of NPV by local methods	1	11	3	14	8	2	10
Home Science	Rural Crafts	1	-	20	20	-	10	10
Animal Husbandry	Para extension worker	2	13	2	15	7	1	8

*training title should specify the major technology /skill

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Apr-23	Crop Production	Management of Kaans and motha	1	On	24	4	28	8	1	9
June-23		Crop prod. tech of khrif pulses	1	On	22	2	24	7	1	8
Oct-23		Seed production technology of rabi pulses	1	On	35	5	40	5	0	5
Nov-23		Use of seed cum ferti drill late sown condition in wheat	1	On	30	2	32	7	1	8
Apr-23	Soil Sci.	Importance of soil testing and method of soil sampling	1	On	22	3	25	6	3	9
Jul-23		Role of bio-fertilizer and bio pesticide in healthy crop production	1	On	27	7	34	9	1	10
Oct-23		Use of rhizobium culture in pulses crop	1	On	25	3	28	6	1	7
Dec-23		Vermi compost production	1	On	28	2	30	2	1	3
Jan - 23	Horticulture	Production techniques of cucurbits	1	On	30	2	32	8	1	9
Feb-23		Cultivation techniques of early cauliflower	1	On	9	2	11	5	2	7
Jan - 23	Extension	Formation of formers interest	1	On	13	2	15	8	2	10
Feb-23		Formation and Management of SHG	1	On	12	3	15	9	2	11
Apri-23	Home Sci.	Nutritional gardening	1	On	0	14	14	0	9	9

Feb-23		Safe grain storage techniques under House hold condition	1	On	0	10	10	1	8	9
Oct. 23	Animal Husbandry	Paravates extension worker	1	On	0	10	10	1	8	9
Jan.-23		Sheep and goat rearing	1	On	0	10	10	1	8	9

iv) Sponsored Training Programmes

Sl. No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants							Sponsoring Agency
					PF/RY/EF		Male		Female		Total			
							Others	SC/ST	Others	SC/ST	Others	SC/ST	Total	
1	Integrated insect pest management in major grain crops			As per needs of line departments										
2	Seed production													
3	Weed management in kharif and rabi pulses													
4	Nadep and vermi compost production and their uses													
5	Introduction of sugarcane planter													
6	Add of organic carbon in soil													
Total														

3.4. Extension Activities (including activities of FLD programmes)

	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	8	360	45	405	87	15	102	447	60	507
Kisan Mela	3	677	178	855	76	13	89	753	191	944
Kisan Ghosthi	5	205	75	280	58	14	72	263	89	352
Exhibition	4	268	89	357	42	13	55	310	102	412
Film Show	0	0	0	0	0	0	0	0	0	0
Method Demonstrations	14	34	8	42	0	0	0	34	8	42
Farmers Seminar	0	0	0	0	0	0	0	0	0	0
Workshop	0	0	0	0	0	0	0	0	0	0

Group meetings	12	387	88	475	76	14	90	463	102	565
Lectures delivered as resource persons	30	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Newspaper coverage	20	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Radio talks	4	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
TV talks	5	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Popular articles	5	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Extension Literature	5	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Advisory Services	15	879	158	1037	156	67	223	1035	225	1260
Scientific visit to farmers field	15	1673	376	2049	223	67	290	1896	443	2339
Farmers visit to KVK	20	1567	215	1782	214	45	259	1781	260	2041
Diagnostic visits	20	890	90	980	45	15	60	935	105	1040
Exposure visits	20	589	67	656	115	45	160	704	112	816
Ex-trainees Sammelan	2	134	55	189	96	35	131	230	90	320
Soil health Camp	5	234	89	323	155	56	211	389	145	534
Animal Health Camp	5	180	34	214	156	12	168	336	46	382
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	4	135	34	169	67	16	83	202	50	252
Farm Science Club Conveners meet	15	141	9	150	0	0	0	141	9	150
Self Help Group Conveners meetings	10	240	12	252	89	78	167	329	90	419
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0
Celebration of important days (specify)	4	243	87	330	121	56	177	364	143	507
Any Other (Specify)	0	0	0	0	0	0	0	0	0	0
Total	**250**	**8836**	**1709**	**10545**	**1776**	**561**	**2337**	**10612**	**2270**	**12882**

3.5 Target for Production and supply of Technological products

SEED MATERIALS

	Quantity (qtl.)
Seed	200

PLANTING MATERIALS

Sl. No.	**Crop**	**Variety**	**Quantity (Nos.)**	**Value (Rs.)**	**Provided to No. of Farmers**
FRUITS					
SPICES					
VEGETABLES	**Brinjal**	**Hyb. Var**	**4000**		
	Tomato	**Hyb. Var**	**4500**		
	Cauli flower	**Hyb. Var**	**2500**		
	Chilli	**Hyb. Var**	**3500**		
	Cabbage	**Hyb. Var**	**2000**		
FOREST SPECIES					
ORNAMENTAL CROPS					
PLANTATION CROPS					
Others (specify)					

Bio-products

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
	Vermicompost		**07**	**4000**	**2400**	**KVK Farm**
BIOAGENTS						
BIOFERTILIZERS						
BIO PESTICIDES						

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos	Kg
Cattle				
SHEEP AND GOAT				
POULTRY				
FISHERIES				
Others (Specify)				

3.6. Literature to be Developed/Published

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

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers			4
Technical reports			10
News letters			5
Technical bulletins			15
Popular articles			10
Extension literature			20
Others (Pl. specify)	--		
TOTAL			**64**

(C) Details of Electronic Media Produced

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

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

Being done through PRA Method

3.9 Indicate the methodology for identifying OFTs/FLDs

3.10 Field activities

i. Name of villages identified for adoption with block name: Madri, Rura Jaitiya, Harkauti, Salabad, Birasani, Ramhetpura

ii. No. of farm families selected per village: 15

iii. No. of survey/PRA to be conducted : 10

3.10. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab :

1. Year of establishment :

2. List of equipments purchased with amount :

S. No	Name of the Equipment
1	
2	
Total	

3. Targets of samples for analysis:

Details	No. of Samples	No. of Soil Health cards	No. of Villages	Amount to be realized
Soil Samples	300	3000	15	
Water Samples				
Total				

4.0 LINKAGES

4.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1. State Department of Agriculture	Joint diagnostic survey, Participation in meeting, conducting training programme, joint implementation
2. State Department of Horticulture	Participation in meeting, conducting training programme,
3. State Department of Forest	Participation in Van Mahotasava and Environment day.
4. State Department of Animal husbandary	Animal vaccination and artificial insemination camps
5. Khetriya Gram Vikas Sansthan	Participation in meeting conducting training programme
6. KRIBHKO / IFFCO	Participation in meeting and training programme
7. National Food Security Mission	Participation in meeting and training programme / Crop production and protection
8. Agricultural Technology Management Agency.	Joint diagnostic survey, Participation in meeting, conducting training programme, joint implementation
9. R.K.V.Y.	Participation in Meeting and Farmer Trainings.
10.MANREGA	Participation Meeting and other Programmes.

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

4.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No **YES**

S. No.	Programme	Nature of linkage	Remarks
1	Training to the farmer	As a resource person	
2	Preparation of district plan	As a facilitator	
3.	Joint field visits	As a resource person	

4.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
1.	Training to the Farmers	As a Resource Person	

4.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
		NIL	

5.0 Utilization of hostel facilities

Accommodation available (No. of beds) : NA

Months	No. of programmes	Trainee days (days stayed)

DETAILS OF ACTION PLAN OF KVKs DURING 2023

(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
KVK,Khiriamishra, PO Bamorikalan, Lalitpur (UP)	Office	FAX	*kvklalitpur@rediffmail.com*	www.lalitpur4.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, BUAT, Banda	0512-2533843	0512-2533808	Buat.dee@gmail.com	

1.2.b. Status of KVK website:www.lalitpur4.in

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

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

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

Name	Telephone / Contact		
	Office	Mobile	Email
			kvklalitpur@rediffmail.com

1.4. Year of sanction: 2005

1.5 STATUS OF STAFF POSITION

Status of Staff Position (filled) of KVKs as on August, 2022

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline in which appointed	Scale of pay	Pay band	Grade pay	Date of joining	Present Category (Permanent/Temporary)	Category (SC/ST/OBC/General)	Mobile No.
1	Head										
2	SMS Home Sci. (One)	Dr. Sarita Devi	SMS	Home Science	56100-177300	5400	63100	15 December 2018	Permanent	SC	9026800801
3	SMS Agronomy (One)	Dr. Dinesh Tiwari	SMS	Agronomy	56100-177300	5400	63100	16 Dec. 2018	Permanent	General	7895653033
4	SMS Agri. Ext.(One)	Dr. Nitin Kumar Pandey	SMS	Ag. Extension	56100-177300	5400	73200	3 January. 2018	Permanent	General	8974060888
5	SMS Plant Protection (One)	Dr. Nitin Kachru Yadav	SMS	Plant Protection	56100-177300	5400	63100	17January 2018	Permanent	General	7065251523
6	SMS. Animal Sci.(One)	Dr. Maroof Ahmad	SMS	Animal Science	56100-177300	5400	67000	23 January. 2018	Permanent	General	8708824986
7	SMS Horticulture (One)	Dr. Archana Dikshit	SMS	Horticulture	56100-177300	5400	63100	2 Feb. 2018	Permanent	General	8800659605
8	Programme Assistant (Computer)										

9	Programme Assistant (Farm Manager/ Lab Technician)	Miss Radha Morya	Programme Assistant (Farm Manager/ Lab Technician)	-	35400-112400	4200	39900	14 December 2018	Permanent	General	9993586607
10	Office superintendent	Mr.Manoj Jain	Office superintendent	-	35500-112400	4200	50500	9May 2022	Permanent	General	9415588280
11	Progamme Assistant (Farm Manager/ Lab Technician)	Shri.Ghanshyam Yadav	Programme Assistant (Farm Manager/ Lab Technician)	-	35400-112400	4200	39900	9 May 2022	Permanent	OBC	9695703803
12	Stenographer III	Smt Anita Singh	Stenographer III	-	25500-81100	2400	28700	12 December 2018	Permanent	General	9005265948
13	Driver	Sri Kavindra Nath	Driver	-	21700-69100	2000	24500	14 December 2018	Permanent	SC	7347760228
14	Driver	Sri Benchu Lal Yadav	Driver	-	21700-69100	2000	24500	11 December 2018	Permanent	OBC	7526061970
15	Supporting Staff	Mr. Rajjan	Attendant	-	19900-63200	1900	31100	Dec. 2005	Permanent	OBC	9532143144
16	Supporting Staff	Mr. Kallu	Attendant		19900-63200	1900	31100	Dec. 2005	Permanent	OBC	8853580686

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	01.25
2.	Under Demonstration Units	00.50
3.	Under Crops	10.00
4.	Horticulture	01.25
5.	Water harvesting structure (50x30m and 100x50m)	01.25
6.	Uncultivated rocky land	06.08
	TOTAL	20.33

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		--	-- --	Constructed	--	Details are available with Construction Division of CSAU Kanpur
2.	Farmers Hostel	ICAR		--		N0	--	
3.	Staff Quarters (6)	ICAR		--	--	1+3+1=4	--	
4.	Demonstration Units (2)			--	--	Nursery	--	
5	Fencing			--	--	Partially	--	
6	Rain Water harvesting system			--	--	Not constructed	--	

7	Threshing floor			--	--	Not constructed	--	
8	Farm godown			--	--	Constructed	--	
	Other							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	2005	4,50,000	190000 Km.	Good
Tractor	2005	3,38,254	5300 hrs.	Good
Motorcycle	2010	50,000	40000 Km.	Thief

C) Equipments & AV aids

Name of the equipment	**Year of purchase**	**Cost (Rs.)**	**Present status**
Camera	purchased	--	Good
TV LED	Purchased	--	Good
LED Projector	purchased	--	Good
Digital Camera	Purchased	-	Good
Kyon	purchased	--	Good
Slid Projector	Not purchased	--	--
OHP	Not purchased	--	--

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

Sl.No.		Date
1.	Scientific Advisory Committee	5/9/2021

2. DETAILS OF DISTRICT

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

S. No	**Thrust area**	**Crop/ Enterprise**	**Identified Problem**
	Thrust area		
1.	Improved varieties	Wheat Pulses(Pea Gram , Lentil & Urd) Maize& Jowar	Low productivity Low productivity Low productivity
2.	Vegetable production, Orchard &Agro-forestry	Tomato Old Orchard	Low productivity Low productivity
3.	Watershed management	Watershed	Lack of awareness
4.	Composite fish culture	Fish Farming	Improper use of pond
5.	Goat farming	Goat rearing	Lack of awareness
6.	Use of Bio-agents & Organic farming.	Vermi compost	Lack of Knowledge
7.	Value addition & Post harvesting technology.	Multigrain flour, Moringa powder, Tomato powder	Lack of awareness
8.	Nutritional security	Kitchen garden	Lack of awareness
9.	Animal health & care	Cattle and buffalo	Lack of awareness

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

Agro - climatic Zone: Bundelkhand Zone (VI)

Agro - Ecological Situation:

Agro-ecological situation of the district were indentified through discussions with the consultant SIMA, KVKs and line department officers on climate, rainfall, vatriation in temperature topography, irrigation, soil type and its depth affected by erosion and how these factors affected the farming system within the the district. After sound discussion, the district was divided into two Agro-Ecological Situations (AESs) as AES-I is having red soil series as rakar and parwa (local name-Patli soils) with medium slope, AES-II black soil series as mar and kabar (local name-Malwa soils) with slight to medium slope.

In district Lalitpur, soil strata is rocky, terrain is undulating and slope ranges between (0.5 to 10%) and hillocks spreading here and there. Soils in the district are required in nature and formed in situ. Red soils originate from barren rock genesis granite and sometimes from sand supton. Black in contrast are formed partly in situ and partly transported with material like lime stone and trap.

Major Agro-Ecological Situations (AESs).

List of representative blocks covered under each Agro-Ecological Situation of the district.

Agro-Climatic Zone	Agro-Ecological Situation	Name of Blocks	Remarks
Bundelkhand zone – VI	AES-1 Red Soil Series Rainfed / Irrigated	Talbehet Bar Jakhoara	Rakar and Parawa soils, medium slop Rainfed /Irrigated
	AES-2 Black Soils Series Rainfed/ Irrigated	Mehroani Madawara Birdha	Mar and Kabar soils Slight to medium slop Irrigated / Rainfed

Information on Occurrence of Drought

Sl. No.	Name of the block	Occurrence of drought / flood / cyclone/ Heavy Rainfall	Severity M / S / VS	% Cropped area affected	% of farm families affected
1.	Talbehet	Drought/ Heavy RF	M	70-80	70-80
2.	Jakhoara	Drought/ Heavy RF	M	80-90	80-90
3.	Bar	Drought/ Heavy RF	M	70-80	70-80
4.	Birdha	Drought/ Heavy RF	M	80-90	80-90
5.	Mehroani	Drought/ Heavy RF	M	80-90	80-90
6.	Madawara	Drought/ Heavy RF	M	80-90	80-90

In the year 2019-20, during kharif sesason 80-90 % production loss occurred due to heavy rainfall. Due to these losses in production small and marginal farmers left their houses for mazdoori in different cities.

* % for mild = M, Severe = S, Very Severe = VS (As per GOI / States parameter)

Spread of AES in the District Lalitpur

Name of ACZ	Area in hac.	Name of AES	B1	B2	B3	B4	B5	B6
			A	A	A	A	A	A
ACZ-6 **Geogr. Area**	507500	**AES-I**	61957	96361	61481	7900	9100	7300
Net Sown Area	277994	**AES-II**	8050	9350	4720	63452	74638	103186
		Total	70007	105711	66201	71352	83738	110486

Note: AES-I… B1= Talbehet **AES-II…** B2= Jakhoara, B3= Bar B4= Mehroani, B5- Madawara B6= Birdha,

2.3 Soil types

S. No.	Type of Soil	Area Covered '000 ha
1.	Rakar	113.78
2.	Parwa	117.25
3.	Kabar	21.21
4.	Mar	2.98
	Total	**255.22**

Land Use Pattern

Particulars	***Area '000 ha.***
Total Geographical area	**519.30**
Forest	76.16
Waste land	14.88
Other than cultivated area	**41.42**
Cultivable waste	61.06
Pastures	**2.88**
Bushes	**0.68**
Current Fallow	3.81
Other Fallow	**14.58**
Agricultural Land	294.33
Land cultivated more than once	199.23
Area sown	521.94
Kharif	220.43
Rabi	295.89
Zaid	**5.62**
Crop intensity	190.2

Out of total Geographical area of the district 519.3 thousand ha. forest waste land and other than cultivated area constitute about 23.39% which indicates thepossibilities for further extension in cultivated area. Cultivable waste is also about 119179 ha. which is significant and further indicates additional opportunities of intensification and diversification of agriculture & related production systems. One of the important features of land utilization of the district is current fallow, which can be converted into production system.

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

Crops	Area (Ha.)	Productivity (Q/Ha.)
Jowar	1750	11.07
Maize	25280	13.09
Urd	178317	7.72
Moong	5556	6.39
G.Nut	6675	11.91
Til	12211	1.84
Soybean	10911	14.14
Wheat	180229	26.81
Gram	22327	14.70
Pea	64748	17.30
Lentil	21330	12.48
Mustard	8000	7.37

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

Category	Population
Cattle	739579
Buffalo	163746
Sheep & Goat	165930
Poultry	773511
Others	4028

2.6 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.	Lalitpur	Jakhora	Bharatpura, Khiriamisra, Bamhaurikala, Dawni, Maratikala, Jugpura, Silgan, Maheshpura, Patorkalan, Kakarua, Paraunda, Dailwara, Barkhiriya, Khetwash	Maize, Urdbean, Mustard, Lentil, Tomato, Dairy, Vegetables	Low Yield of Local varieties	Use of HYV
2.	Pali	Birdha	Berkhera, Pipariabansa, Paronda, Madna, Khaikhera, Simardha, Jakhlon, Piparai, Maikua, Amaukhera, Jahajpura, Nakwana, Nayagaon, Tenga, Jamuniya, Pali, Sagoria, Barod, Madaun, Bunt, Madana, Chrakodar, Khiriya, Dudhai, Balabehat, Aira	Urdbean, Til, Wheat, Lentil, Chickpea, Lobia(F), Vegetables	Low Yield of Local varieties	Use of HYV
3.	Talbehat	Talbehat	Talbehat	Maize, Chickpea, Turmeric, Vegetables	Low Yield of Local varieties	Use of HYV
4.	Mehroni	Mehroni	Masora, Khitwas,Turka, Kyulari,Bamauribahadur	Til, Fieldpea, Wheat	Low Yield of Local varieties	Use of HYV

5.	Talbehat	Bar	Jarawali, Gehrav, Basatguana, Dulawan, Bhailonisuana, Mathuradong, Baraudadong, Bachrawani, Saimradong, Charaun, Dasrra, Bhamourikharait, Larwari, Gaiduara, Paraun, Rora, Hanupura, Gadiya,	Til, Chickpea, Lentil, Mustard	Low Yield of Local varieties	Use of HYV
6.	Madawara	Madawara	Sirone, Gangchari, Madawara, Tarawali, Khiriyalatkanju	Chickpea, Fieldpea, Wheat, Lentil	Low Yield of Local varieties	Use of HYV

Priority Thrust Areas

- Soil health and fertility improvement
- Seed replacement and Improved varieties.
- Vegetable production.
- Watershed Management
- Value addition & Post harvest Technology.
- Nutritional improvement in rural area.
- Income generating activities
- Productivity Improvement in livestock and poultry
- Improvement Fodder production
- Enhancement of Kitchen garden
- IPM

SUMMARY of TECHNICAL PROGRAMME

OFT		**FLD**	
(1)		**(2)**	
Number of OFTs	**Number of Farmers**	**Area (ha)/no.**	**Number of Farmers**
12	150	40ha./ 450 no.	250

Training		**Extension Activities**	
(3)		**(4)**	
Number of Courses	**Number of Participants**	**Number of activities**	**Number of participants**
100	2500	200	6500

Seed Production (Q.)	**Planting material (Nos.)**	**Fish seed prod. (No.)**	**Soil Samples**
(5)	**(6)**	**(7)**	**(8)**
200	**20000**	**2500**	**500**

Frontline Demonstrations

Sl. No.	**Crop/ Others**	**Thematic area**	**Technology for demonstration**	**Critical inputs**	**Season and year**	**Area (ha)**	**No. of 139ield dp/ Demon.**	**Parameters**
A.	**Other than oilseeds and pulses**							
1	Maize	Varietal Evaluation	JM 218/ LQMH1/ LQMH2/ LQMH3 (Biofortified)	Seed	Kharif 2023	4	10	Yield
2	Soybean	INM	Sulphur	Sulphur	Kharif 2023	4	10	Yield
3	Lentil	Varietal Evaluation	IPL 220 (Biofortified)/	Seed	Rabi 2023-	4	10	Yield

			HYV		24			
4	Toria	Varietal Evaluation	Raj Vijay Toria1/ Tapeswari/ Azad Chetna (TKM 14-2)	Seed	Rabi 2023	4	10	Yield
5	Tomato	Varietal	Arka Samrat	Seed@ 150g/ha	Rabi	1	10	Yield
6	Brinjal	Varietal	Kashi Sandesh	Seed@150g/ha.	Rabi	1	10	Yield
7	Bottle gourd	Varietal	Arka Nutan	Seed@ 5 kg/ha	Kharif	1	10	Yield
8	Pest Management	Management of sucking insect pests	Use of Dashparni ark for pest management	Dashparni ark		10	10	Yield
9	Mushroom production	Production of oyster mushroom	Mushroom production	Mushroom spwan, Growing bags and Formaline	Rabi	-	10	Yield
10	Disease management	Management of wilt complex in chickpea	IDM	Trichoderma @ 5 gm/kg	Rabi	4	10	Yield
11	Pest management	Management of girdle beetle and borer complex	IPM	Pheromone traps and insecticides	10	10	25	Yield
Total						**43**	**125**	

FLD on Livestock Enterprises

S.No.	Thematic area	Objectives	Technology option	No. of farmers	Area/No. of animals	CI
1	Disease Management	Control of parasites in dairy animals	Tab. Ivermectin	15	60	Tab. Ivermectin
2.	Fodder production	Replace old variety with improved variety	Berseem (Var.-BB-2)	5	1 ha	Berseem seed
3	Fodder production	Replace old variety with improved variety	Oat (Var. Kent)	5	1 ha	Oat seed
4	Breed evaluation	To replace the desi birds with improved poultry	Improved poultry breed	10	150 birds	Chicks (2-week age)
5.	Disease management	Improvement in health	PPR Vaccination	20	500	PPR vaccine

FLD on Women Empowerment

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	Quarter	No. of 140ield p/ Demon.	Parameters
A	**Home Science**						
1	Kitchen Garden	Nutritional security	Improved varieties	Seed of improved	Round the year	50	Yield/ Nutritional requirement

	(150sq m)			varieties and seedings			
2	Revolving stool	Drudgery reduction	Revolving stool	Revolving stool	Round the year	10	Time saving, Increase in work efficiency
3	Naveen sickle	Low Work Efficiency and High Drudgery of Women	Naveen sickle	Naveen sickle	Rabi season CIAE-Bhopal	20	Physiological Indicator 2-Body comfort Energy Expenditure(Blood pressure, BMI) 3-Acceptability, Feedback, Family Reaction

Agronomy
On Farm Trails

OFT 1: **Assessment of integrated nutrient management**

Crop/ Enterprise	Urdbean	
Title of on farm trial	Assessment of integrated nutrient management in urdbean	
Problem diagnosed	Low yield of 141ieldpe due to imbalance use of nutrient	
Farmers' Practices	Use of imbalance nutrient	
Details of technologies selected for assessment/ refinement	T_1	Farmers Practices
	T_2	Application of nutrient on the basis of soil health card
Source of technology	BUA&T, Banda	
Plot size	1.6 ha	
No. of farmers	04	
Total cost	Rs. 5000/-	
Critical input	Fertilizer and Organic manure (As per recommendation)	
Performance indicators: **(ii)** Technical **(ii)** Economic **(iii)** Social	Plant population/ m^2, No. of seed/ plant, Grain yield (q/ha) Cost: Benefit ratio Farmers Acceptability	

OFT 2: Effect of high yielding biofortified variety of wheat

Crop/ Enterprise	Wheat	
Title of on farm trial	Effect of high yielding biofortified variety of wheat	
Problem diagnosed	Unknown about high yielding biofortified variety	
Farmers' Practices	Use of low yielding non biofortified variety	
Details of technologies selected for assessment/ refinement	T_1	Farmers Practices
	T_2	DBW/ 187/ DBW 303/ DBW 48/ HD3298
Source of technology	ICAR-IIWB Research, Karnal, Haryana	
Plot size	1.6 ha	
No. of farmers	04	
Total cost	Rs. 7000/-	
Critical input	Seed	
Performance indicators: **(ii)** Technical **(ii)** Economic **(iii)** Social	Plant population/ m^2, No. of seed/ spike, Grain and straw yield (q/ha) Cost: Benefit ratio Farmers Acceptability	

Horticulture

OFT-3 Evaluation of Leaf curl resistant variety of chilli

Crop / Enterprise	Chilli
Title of On Farm Trial	Leaf curl resistant variety of chilli
Problem Diagnosed	Leaf curling problem in chilli
Farmers' Practices	Traditional Practices
Details of Technologies Selected For Assessment / Refinement	T0- Farmers Practice (Spray of systemic insecticides) T_1 – Arka Meghna (2019)
Source of Technology	IIHR
Plot Size	1500 m^2
No. of Farmers	3
Total Cost	Rs. 5000
Critical Input	Seed
Performance Indicators:	
(ii) Technical **(ii) Economic** **(iii) Social**	Yield (q/ha), Disease incidence % Cost: Benefit Ratio Farmers Acceptability

OFT-4 Management of Mango malformation

Crop / Enterprise	**Mango**
Title of On Farm Trial	Management of Mango malformation
Problem Diagnosed	Mango malformation
Farmers' Practices	No treatment
Details of Technologies Selected For Assessment / Refinement	T_1- Farmers Practice (No treatment) T_2- Deblossoming at bud burst stage + Spray of NAA (200 ppm) + Spray of Cobalt sulphate (1000 ppm)
Source of Technology	ICAR
Plot Size	4000 m^2
No. of Farmers	3
Total Cost	Rs.5000
Critical Input	NAA & Cobalt sulphate
Performance Indicators:	
(i)Technical (ii) Economic (iii) Social	% reduction of malformed panicles, Yield /ha B:C ratio Farmers Acceptability

Plant Protection

OFT -5 Assessment of IPM modules in field pea

Crop/Enterprise	Fieldpea	
Title of on farm trial	Assessment of IPM module in fieldpea	
Problem diagnosed	Low yield due to incidence of cutworm	
Farmers' Practices	No use of suitable control measures	
Details of technologies selected for assessment/refinement	**T_1**	**Farmers Practices**
	T_2	Use IPM- Cultural :Summer ploughing, flooding, removal of weed from field and border area, Mechanical :collection of larva, Solar light trap Chemical : need based spray of chlorantraniliprole 18.5 SC @ 150 ml/ha
Source of technology	**NIPHM**	

No. of farmers	04
Plot size	2000 m^2
Critical input	insecticides
Total cost	Rs. 4000/-
Performance indicators: (i)Technical (ii) Economic (iii) Social	 **No. of infested plants, yield/ha.** Cost: benefit ratio Farmers Acceptability

OFT-6 Management of smut in wheat

Crop/Enterprise	Wheat	
Title of on farm trial	Management of smut in wheat	
Problem diagnosed	Low yield due to incidence of smut (Loose and flag smut)	
Farmers' Practices	No use of suitable control measures	
Details of technologies selected for assessment/refinement	**T_1**	**Farmers Practices**
	T_2	Use IPM- Cultural :Crop rotation, Roughing of infected plants,Use resistant variety (Pusa 44 or WG-377) and use disease free seed Chemical :seed treatment of Carboxin 75 WP @ 2- 2.5 gm/kg
Source of technology	**NIPHM**	
No. of farmers	04	
Plot size	2000 m^2	
Critical input	Fungicide	
Total cost	Rs. 4000/-	
Performance indicators: Technical (ii) Economic (iii) Social	**No. of infected plants, yield/ha.** Cost: benefit ratio Farmers Acceptability	

OFT -7 Management of fruit fly traps in cucurbits

Crop/Enterprise	Cucurbits	
Title of on farm trial	Management of fruit fly traps in cucurbits	
Problem diagnosed	Low yield due to incidence of fruit fly	
Farmers' Practices	No use of suitable control measures	
Details of technologies selected for assessment/refinement	**T_1**	**Farmers Practices**
	T_2	Use IPM- Cultural :Raking of soil, Mechanical : collection and destruction of infested fruit Use of fruit fly traps @ 4-5 /acre
Source of technology	**NIPHM**	
No. of farmers	04	
Plot size	2000 m^2	
Critical input	Fruit fly traps	
Total cost	Rs. 4000/-	
Performance indicators: (i)Technical (ii) Economic (iii) Social	 **No. of infected plants, yield/ha.** Cost: benefit ratio Farmers Acceptability	

Animal Science

OFT 8-Effect of supplimentation of Moringa oleifera leaf powder on growth perforance of broilers

Category of animal	Poultry
Title of OFT	Effect of supplimentation of Moringa oleifera leaf powder on growth perforance of broilers
Problems diagnose	Poor growth performance of the birds
Technology Option	T_1 – Basal diet (FP) T_2 – Basal diet + 0.2% moringa powder
Source of technology	**DPR, Hyderabad**
No. of animals	**150**
No. of farmers	03
Critical input	Moringa powder
Cost	Rs 2000
Parameter recording	Body weight of chicks

OFT-9 Assessment of BL-44 variety of Berseem

Category of enterprises	Fodder
Title of OFT	Assessment of BL-44 variety of Berseem
Problems diagnose	Low yield of local variety
Technology Option	T_1 – Local variety (FP) T_2 – BL-44 (Assessment)
Source of technology	**PAU, Ludhiana (Punjab)**
Area	**1 ha**
No. of farmers	03
Critical input	Berseem seed
Cost	Rs 6000
Parameter recording	Fodder yield

OFT-10 Effect of supplimentation of turmeric**powder on growth perforance of broilers**

Category of animal	Poultry
Title of OFT	Effect of supplimentation of turmeric powder on growth perforance of broilers
Problems diagnose	Poor growth performance of the birds
Technology Option	T_1 – Basal diet (FP) T_2 – Basal diet + 0.5 kg/qt. turmeric powder
Source of technology	**DPR, Hyderabad**
No. of animals	**150**
No. of farmers	03
Critical input	Turmeric powder
Cost	Rs 1000
Parameter recording	Body weight of chicks

OFT-11 Home Science

Crop/Enterprise	Wheat flour and Moringa Oleifera leaf powder
Title of On Farm Trial	Enrichment of wheat flour with moringa oleifera leaf powder to combat malnutrition
Problem Diagnosed	Malnutrition in women
Farmers Practices	T1- Wheat Flour (100%)
Details of Technologies	T2- Wheat Flour: Moringa Oleifera leaf powder (95:5) T3- Wheat Flour: Moringa Oleifera leaf powder (93:7) T4- Wheat Flour: Moringa Oleifera leaf powder (90:10)
Source of Technology	University of Agricultural Science, Bangalore
No. of Farm Women	3
Critical Input	Wheat Flour, Moringa Oleifera leaf powder and Moringa Oleifera plant
Cost	Rs.3000
Prformance Indicator Technical	Nutrient content

	Haemoglobin level before and after intervention Anthropometric measurement (height and weight) Sensory evaluation
Social	Acceptability and Adoption of technology

12-

Crop/Enterprise	Protective clothing
Title of On Farm Trial	Protective cloths for farm women during harvesting threshing and winnowing activities of chickpea
Problem Diagnosed	Exposure to husk, dust, sun rays and face health problems like itching, irritation, cut and sores.
Farmers Practices	T1- Use old shirt to cover their body and pallu of their saree or dupptta to cover their head head and face
Details of Technologies	T2- Use of protective clothes (apron, mask, gloves, plain glasses, and shoes)
Source of Technology	GBPUAT,Panthnagar
No. of Farm Women	3
Critical Input	apron, mask, gloves, plain glasses, and shoes
Cost	Rs.3000/
Performance Indicator Technical	Suitability, Comfort ability, and work effeciency
Social	Adoption of technology

Agriculture Extension

OFT-13

Crop/enterprise	Greengram
Title of on –farm trail	Impact assessment of CFLD on yield of *Summer Greengram*
Problem diagnosed	Low adoption of scientific production technology among farmers community
Thematic areas	Adoption rate
Farmer practices	Traditional production technique
Details of technologies selected for assessment/refinement treatments	**T1-**Farmers practice used) **T2-**Scientific production technology
Source of technology	Social survey
No. of farmers	50
Critical input	Nil
Performance indicator	Assess the knowledge level of farmers Increased rate of adoption Technology Gap

OFT-14

Crop/enterprise	Mobile apps
Title of on –farm trail	Impact assessment of *Pashu Poshan* Mobile app for better transfer of Scientific feed management technology among Livestock owners.
Problem diagnosed	Low adoption of scientific feed management practices among farmers
Production system and thematic areas	Adoption rate
Farmer practices	Passive followers of recommendations delivered by extension agencies through different means
Details of technologies selected for assessment/refinement treatments	**T1-**Farmers practice (No extension teaching methods used) **T2-**Pashu Poshan Mobile app
Source of technology	NDDB, Anand
No. of farmers	20
Critical input	Pashu Poshan Mobile app
Performance indicator Technical:	Increased rate of adoption Increase in Knowledge level of farmers

Training (Including the sponsored and FLD training programmes):

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	5	5	10	5	5	10	20
Seed production	1	5	5	10	5	5	10	20
Integrated Crop Management	2	10	10	20	10	10	20	40
Production of organic inputs	2	10	10	20	10	10	20	40
Total	6	30	30	60	30	30	60	120
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	1	5	5	10	5	5	10	20
Off-season vegetables	1	5	5	10	5	5	10	20
Protective cultivation (Green Houses, Shade Net etc.)	1	5	5	10	5	5	10	20
Total	3	15	15	30	15	15	30	60
b) Fruits								
Cultivation of Fruit	2	10	10	20	10	10	20	40
Total	2	10	10	20	10	10	20	40
e) Tuber crops								
Production and Management technology	1	5	5	10	5	5	10	20
Total	1	5	5	10	5	5	10	20
Grand total (Horticulture)	6	30	30	60	30	30	60	120
III Soil Health and Fertility Management								
Integrated Nutrient Management	2	10	10	20	10	10	20	40
Total	2	10	10	20	10	10	20	40
IV Livestock Production and Management								
Dairy Management	2	10	10	20	10	10	20	40
Disease Management	2	10	10	20	10	10	20	40
Feed management	2	10	10	20	10	10	20	40
Total	6	30	30	60	30	30	60	120
V Plant Protection								
Integrated Pest Management	3	15	15	30	15	15	30	60
Integrated Disease Management	3	15	15	30	15	15	30	60
Total	6	30	30	60	30	30	60	120
VI Fisheries								
Total								
VII Production of Inputs at site								
Total								
VIII Home Science/ Women empowerment								
Value addition	2	10	10	20	10	10	20	40
Income Generation activities for empowerment of rural women	2	10	10	20	10	10	20	40
Location specific drudgery reduction technologies	1	5	5	10	5	5	10	20
Rural crafts	1	5	5	10	5	5	10	20
Total	6	30	30	60	30	30	60	120

IX Capacity Building and Group Dynamics								
Promotion of FPO	2	10	10	20	10	10	20	40
IFS	2	10	10	20	10	10	20	40
Management of SHGs	2	10	10	20	10	10	20	40
Production techniqueof organic inputs	1	5	5	10	5	5	10	20
Importance of Custom heiring	1	5	5	10	5	5	10	20
	8	40	40	80	40	40	80	160
Total								
(B) RURAL YOUTH								
Seed production	1	5	5	10	5	5	10	20
Production of organic inputs	1	5	5	10	5	5	10	20
Mushroom production	1	5	5	10	5	5	10	20
Nursery Management of Horticulture crops	1	5	5	10	5	5	10	20
Poultry production	1	5	5	10	5	5	10	20
Income generation through FPO	1	5	5	10	5	5	10	20
TOTAL	**6**	**30**	**30**	**60**	**30**	**30**	**60**	**120**
I Extension Personnel								
Productivity enhancement in field crops	1	5	5	10	5	5	10	20
Integrated Pest Management	1	5	5	10	5	5	10	20
Role of Extension personal in promotion of agriculture scheme	1	5	5	10	5	5	10	20
Management in farm animals	1	5	5	10	5	5	10	20
Weaning food for children	1	5	5	10	5	5	10	20
Any other (Cultivation techniques of Medicinal & Aromatic Plants)	1	5	5	10	5	5	10	20
TOTAL	**6**	**30**	**30**	**60**	**30**	**30**	**60**	**120**
Grand Total	**50**	**250**	**250**	**500**	**250**	**250**	**500**	**1000**

B) OFF Campus

Thematic Area	**No. of Courses**	**No. of Participants**						
		Others			**SC/ST**			**Grand Total**
		Male	**Female**	**Total**	**Male**	**Female**	**Total**	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	5	5	10	5	5	10	20
Seed production	1	5	5	10	5	5	10	20
Integrated Crop Management	2	10	10	20	10	10	20	40
Production of organic inputs	2	10	10	20	10	10	20	40
Total	**6**	**30**	**30**	**60**	**30**	**30**	**60**	**120**
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	1	5	5	10	5	5	10	20
Off-season vegetables	1	5	5	10	5	5	10	20
Protective cultivation (Green Houses, Shade Net etc.)	1	5	5	10	5	5	10	20
Total	**3**	**15**	**15**	**30**	**15**	**15**	**30**	**60**
b) Fruits								
Cultivation of Fruit	2	10	10	20	10	10	20	40
Total	**2**	**10**	**10**	**20**	**10**	**10**	**20**	**40**

e) Tuber crops								
Production and Management technology	1	5	5	10	5	5	10	20
Total	**1**	**5**	**5**	**10**	**5**	**5**	**10**	**20**
Grand total (Horticulture)	6	30	30	60	30	30	60	120
III Soil Health and Fertility Management								
Integrated Nutrient Management	2	10	10	20	10	10	20	40
Total	**2**	**10**	**10**	**20**	**10**	**10**	**20**	**40**
IV Livestock Production and Management								
Dairy Management	2	10	10	20	10	10	20	40
Disease Management	2	10	10	20	10	10	20	40
Feed management	2	10	10	20	10	10	20	40
Total	**6**	**30**	**30**	**60**	**30**	**30**	**60**	**120**
V Plant Protection								
Integrated Pest Management	3	15	15	30	15	15	30	60
Integrated Disease Management	3	15	15	30	15	15	30	60
Total	**6**	**30**	**30**	**60**	**30**	**30**	**60**	**120**
VI Fisheries								
Total								
VII Production of Inputs at site								
Total								
VIII Home Science/ Women empowerment								
Value addition	2	10	10	20	10	10	20	40
Income Generation activities for empowerment of rural women	2	10	10	20	10	10	20	40
Location specific drudgery reduction technologies	1	5	5	10	5	5	10	20
Rural crafts	1	5	5	10	5	5	10	20
Total	**6**	**30**	**30**	**60**	**30**	**30**	**60**	**120**
IX Capacity Building and Group Dynamics								
ICT	1	5	5	10	5	5	10	20
Integrated crop management	1	5	5	10	5	5	10	20
FPO management	1	5	5	10	5	5	10	20
Production technique of organic inputs	2	10	10	20	10	10	20	40
Custom hiring service	1	5	5	10	5	5	10	20
Total	**6**	**30**	**30**	**60**	**30**	**30**	**60**	**120**
Grand Total								
(B) RURAL YOUTH								
Seed production	1	5	5	10	5	5	10	20
Production of organic inputs	1	5	5	10	5	5	10	20
Mushroom production	1	5	5	10	5	5	10	20
Nursery Management of Horticulture crops	1	5	5	10	5	5	10	20
Sheep and goat rearing								
Poultry production	1	5	5	10	5	5	10	20
Income generating activities	1	5	5	10	5	5	10	20
TOTAL	**6**	**30**	**30**	**60**	**30**	**30**	**60**	**120**
I Extension Personnel								
Productivity enhancement in field crops	1	5	5	10	5	5	10	20
Integrated Pest Management	1	5	5	10	5	5	10	20
Integrated Nutrient management	1	5	5	10	5	5	10	20

Management in farm animals	1	5	5	10	5	5	10	20
Importance of balanced diet	1	5	5	10	5	5	10	20
Any other (Cultivation techniques of Medicinal & Aromatic Plants)	1	5	5	10	5	5	10	20
TOTAL	**6**	**30**	**30**	**60**	**30**	**30**	**60**	**120**
Grand Total	**50**	**250**	**250**	**500**	**250**	**250**	**500**	**1000**

(ii) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	10	10	20	10	10	20	40
Seed production	2	10	10	20	10	10	20	40
Integrated Crop Management	4	20	20	40	20	20	40	80
Production of organic inputs	4	20	20	40	20	20	40	80
Total	**12**	**60**	**60**	**120**	**60**	**60**	**120**	**240**
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	10	10	20	10	10	20	40
Off-season vegetables	2	10	10	20	10	10	20	40
Protective cultivation (Green Houses, Shade Net etc.)	2	10	10	20	10	10	20	40
Total	**6**	**30**	**30**	**60**	**30**	**30**	**60**	**120**
b) Fruits								
Cultivation of Fruit	4	20	20	40	20	20	40	80
Total	**4**	**20**	**20**	**40**	**20**	**20**	**40**	**80**
e) Tuber crops								
Production and Management technology	2	10	10	20	10	10	20	40
Total	**2**	**10**	**10**	**20**	**10**	**10**	**20**	**40**
Grand total (Horticulture)	**12**	**60**	**60**	**120**	**60**	**60**	**120**	**240**
III Soil Health and Fertility Management								
Integrated Nutrient Management	4	20	20	40	20	20	40	80
Total	**4**	**20**	**20**	**40**	**20**	**20**	**40**	**80**
IV Livestock Production and Management								
Dairy Management	4	20	20	40	20	20	40	80
Disease Management	4	20	20	40	20	20	40	80
Feed management	4	20	20	40	20	20	40	80
Total	**12**	**60**	**60**	**120**	**60**	**60**	**120**	**240**
V Plant Protection								
Integrated Pest Management	6	30	30	60	30	30	60	120
Integrated Disease Management	6	30	30	60	30	30	60	120
Total	**12**	**60**	**60**	**120**	**60**	**60**	**120**	**240**
VI Fisheries								
Total								
VII Production of Inputs at site								
Total								
VIII Home Science/ Women empowerment								
Value addition	4	20	20	40	20	20	40	80
Income Generation activities for empowerment of rural women	4	20	20	40	20	20	40	80

Location specific drudgery reduction technologies	2	10	10	20	10	10	20	40
Rural crafts	2	10	10	20	10	10	20	40
Total	**12**	**60**	**60**	**120**	**60**	**60**	**120**	**240**
IX Capacity Building and Group Dynamics								
	3	15	15	30	15	15	30	60
	3	15	15	30	15	15	30	60
	3	15	15	30	15	15	30	60
	3	15	15	30	15	15	30	40
	2	10	10	20	10	10	20	40
Total	**14**	**70**	**70**	**140**	**70**	**70**	**140**	**180**
Grand Total								
(B) RURAL YOUTH								
Seed production	2	10	10	20	10	10	20	40
Production of organic inputs	2	10	10	20	10	10	20	40
Mushroom production	2	10	10	20	10	10	20	40
Nursery Management of Horticulture crops	2	10	10	20	10	10	20	40
Sheep and goat rearing	2	10	10	20	10	10	20	40
Poultry production	2	10	10	20	10	10	20	40
Income generating activities	2	10	10	20	10	10	20	40
TOTAL	**12**	**60**	**60**	**120**	**60**	**60**	**120**	**240**
I Extension Personnel								
Productivity enhancement in field crops	2	10	10	20	10	10	20	40
Integrated Pest Management	2	10	10	20	10	10	20	40
Integrated Nutrient management	2	10	10	20	10	10	20	40
Management in farm animals	2	10	10	20	10	10	20	40
Importance of balanced diet	2	10	10	20	10	10	20	40
Any other (Cultivation techniques of Medicinal & Aromatic Plants)	2	10	10	20	10	10	20	40
TOTAL	**12**	**60**	**60**	**120**	**60**	**60**	**120**	**240**
Grand Total	**100**	**500**	**500**	**1000**	**500**	**500**	**1000**	**2000**

Extension Activities

Nature of Extension Activity	**No. of activities**	**Farmers**			**Extension Officials**			**Total**		
		Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
Field Day	10	400	50	450	10	0	10	410	50	460
Kisan Mela	1	400	100	500	20	0	20	420	100	520
Kisan Gosthi	10	500	100	600	5	0	5	505	100	605
Group meetings	3	200	40	240	10	0	10	210	40	250
Lectures delivered as resource persons	6	400	100	500	20	10	30	420	110	530
Newspaper coverage	40	0	0	0	0	0	0	0	0	0
TV/Radio talks	10	0	0	0	0	0	0	0	0	0
Popular articles	8	0	0	0	0	0	0	0	0	0
Extension	4	2000	500	2500	100	0	100	2100	500	2600

Literature										
Advisory Services	20	200	50	250	10	0	10	210	50	260
Scientific visit to farmers field	40	300	40	340	0	0	0	300	40	340
Farmers visit to KVK	20	400	100	500	50	0	50	450	100	550
Diagnostic visits	20	240	10	250	0	0	0	240	10	250
Exposure visits	2	100	0	100	0	0	0	100	0	100
Animal Health Camp	2	200	20	220	5	0	5	205	20	225
Soil test campaigns	2	100	0	100	4	0	4	104	0	104
Celebration of important days (Kisan Diwas, Environment Day)	2	70	30	100	6	0	6	76	30	106
Total	**200**	**5510**	**1140**	**6650**	**240**	**10**	**250**	**5750**	**1150**	**7000**

Target for Production
(i) Seed Materials

S. No.	Particulars	Crop	Variety	Area(ha.)	Quantity (Q.)
1.	**Pulse**	Field Pea	IPFD 12-2	30	600
2		Chickpea	RVG203	10	200
3		Lentil	IPL316	5	100
		Greengram	Shikha	10	100
Total					1000

(ii) Planting Materials

Particulars	Crop	Variety	Quantity (Nos.)
Vegetables	Tomato Brinjal Chilli Papaya Drumstick	Arka Rakshak, Kashi Amrit, Kashi Vishesh, Arka Abhed Kashi Sandesh, Kashi Taru Arka Lohit, Kashi Anmol Red Lady PKM-1	35000
		Total (Nos.)	**35000**

Linkages

Institution involved	Kind of linkages
Dept. of Agriculture	Technical/ Training/ Interaction/ Meetings
Department of Horticulture	Awareness and Training to the farmers, Diagnostic surveys
Department of Animal husbandry	Training, Vaccination camp, Awareness
Department of Soil conservation	Advisory Services, Trainings
District Lead Bank	Advisory Services, Trainings
District programme officer	Advisory Services, Training
National Fisheries Development Board	Awareness and Training to the farmers
UP DASP	Training/ Field day
Research Institute (ICAR-IGFRI, Jhansi; ICAR-CAFRI, Jhansi; IIPR, Kanpur)	Technical Inputs
NABARD	Technical/ Training/ Interaction

Action Plan for CFLD (2023)

TECHNICAL PROGRAMME UNDER CLUSTER DEMONSTRATION

Training		Extension Activities	
Number of Courses	**Number of Participants**	**Number of activities**	**Number of participants**
8	240	15	500

CFLD	
Area (ha)	Number of Farmers
160	400

Soil Samples	700

CFLD : Oil seed

Crop	Thematic Area	Technology demonstrated	Variety	No. of Farmers	Area (ha)
Soybean	VE	50	JS 2034	50	20
Sesamum	VE	50	GT 06	25	10
Mustard	VE	50	Giriraj	50	20
Total		150		125	50

CFLD: Pulse

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)
Greengram	VE	Shikha		50	20
Black gramgram	VE	IPU13-1		75	30
Fieldpea	VE	IPFD 12-2		50	20
Lentil	VE	IPL316		50	20
Chickpea	VE	RVG203		50	20
Total				275	110

Extension and Training activities under Cluster FLDs

S. No.	Activity	No. of activities	No. of Participants
1	Field Days	20	1000
2	Krishak Gosthi	10	500
3	Farmers Training	40	820
4	Media Coverage	10	-
5	Training for extension functionaries	08	160

NARI- 2023

S. No	Activity	No.	Participants
1	Training (On, Off-Campus)	12	240
2	OFT	1	3
3	FLD	1	50
4	Other extension activities	12	360

DETAILS OF ACTION PLAN OF KVKs DURING 2023
(January to December, 2023)

Krishi Vigyan Kendra -Banda

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		
College of Agriculture, BUAT, Banda	05192-232315	-	kvkbanda@gmail.com	kvkbanda4

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, Banda University of Agriculture & Technology, Banda	05192-232307	232307		

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 : Working

1.3. Name of the Sr. Scientist & Head with phone & mobile no. : Dr. Shyam Singh, 9450791440

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Shyam Singh		9450791440	kvkbanda@gmail.com

1.4. Year of sanction (as per MOU)**: 2007**

1.5. Staff Position (as on 31st Aug. 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id
1	Sr. Scientist & Head	Dr. Shyam Singh	Sr. Scientist & Head	Agronomy	37400-67000	9000	46400	13.12.2017	Permanent	SC	9450791440	ingh.shyam350@gmail.co
2	Subject Matter Specialist/	vacant										
3	Subject Matter Specialist/	vacant										
4	Subject Matter Specialist/	Dr. Pragya Oiha	SMS	Home Science	0-3910	5400	21000	12.12.2017	Permanent	Other	9458891879	ya063@g
5	Subject Matter Specialist/	Manjul Pan.	SMS	Home Science	0-3910	5400	21000	12.12.2017	Permanent	Other	9450127662	sa@rediff
6	Subject Matter Specialist/	Manvendra Singh	SMS	Animal Science	0-3910	5400	21000	15.12.2017	Permanent	Other	8168313754	vet@g

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12	a ph er	m al M	ra ph he r Gr		- 20	24 00	76 00	.1 2. 20	m an	O B C			
13	iv er/ T-	nd ra	Dr iv er		- 20	20 00	62 00	.1 2. 20	m an	Ot he r			
14	iv er/ T-	ka s	Dr iv er		- 20	20 00	62 00	12 .2	m an	Ot he r			
15	ng Staff	Rag huve	Atte nden t		- 2020	1800	8900	01.0 6.20 10	Per man ent	SC			
16	ng St aff	Pr ee t	At te nd en t		- 20	18 00	86 40	.0 9. 20	m an	S C			

1.6. Total land with KVK (in ha) : 8.89

S. No.	Item	Area (ha)
1	Under Buildings	01.69
2.	Under Demonstration Units	00.20
3.	Under Crops	07.00
4.	Horticulture	--
5.	Pond	--
6.	Others if any	--

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage						Required New	Needs renovation
			Complete			Incomplete				
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq. m)	Status of construction		
1.	Administrative Building	ICAR			77.00	2011		Roof level construction		
2.	Farmers Hostel	ICAR			25.50	2011		Foundation level		
3.	Staff Quarters (6)				--	--		Nill		
4.	Demonstration Units (2)				--	--		Nill		
5	Fencing				--	--		Nill		
6	Rain Water harvesting system				--	--		Nill		
7	Threshing floor				--	--		Nill		
8	Farm godown				--	--		Nill		
9	Tube Well	ICAR			10.80	2011		Incomplete		

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status	Required replacement
Jeep Bolero LX	2010	4,57,526		Fair	Yes
Tractor Massy	2010	4,74,140		Fair	Yes
Motorcycle	Not purchase				

C) Equipments& AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status	Required replacement
Cultivator	2011	--	Condemned	Yes
Disc Harrow	2011	--	Condemned	Yes
Seeddrill	2011	--	Condemned	Yes
Digital Camera	2014	7450	Not working	
Laptop+Biometric with UPS	2014	49000	Repairable	-
Desktop	2018	60000	Good	-

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

Sl.No.		Date
1.	Scientific Advisory Committee	Oct-2023

2. DETAILS OF DISTRICT

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

S. No.	Farming system/enterprise
1	Paddy-Wheat (irrigated) Paddy-Wheat (Un-irrigated)
2	Fallow-Gram+Linseed
3	Sesamum-Gram/Lentil/Fieldpea

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	Zone-VI	Arid climate

b) Topography– Undulated .

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Rakar	Heavy coarse soil	46670
2	Paruwa	Sandy-loam soil	142480
3	Mar	Loamy soil	78600
4	Kabar	Sandy soil	62509

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

S. No	Crop	Area (ha)	Production (MT)	Productivity (Qt./ha)
Kharif (2021-22)				
1	Paddy	47461	113527	23.92
2	Til	13159	1939	1.47
3	Black gram	3548	2118	5.97
4	Green gram	2181	1304	5.98
5	Pigeon Pea	17743	36936	20.82
6	Jowar	20777	41609	20.03
Rabi (2020-21)				
1	Wheat	161937	454602	28.07
2	Chickpea	94201	110909	11.77
3	Mustard	2670	2082	7.8
4	Field Pea	3322	4724	14.22
5	Lentil	30082	34240	11.38
6	Linseed	2595	1744	6.72

Source: District Agriculture Department.

2.5. Weather Data (2021)

S. No	Month	Rainfall (mm)	Temperature 0 C		Average Relative Humidity (%)
			Minimum	Maximum	
1	Jan-21	1.75	9.55	21.71	83.71
2	Feb-21	5.50	13.86	29.64	59.30
3	Mar-21	1.75	20.33	36.52	43.27
4	Apr-21	0.00	24.08	41.04	24.12
5	May-21	22.50	26.11	38.07	52.70
6	June-21	103.3	27.7	38.2	68.8
7	July-21	338.50	28.17	36.14	77.06
8	Aug-21	203.25	27.03	33.90	86.25
9	Sept-21	133.00	26.53	34.33	86.90
10	Oct-21	87.75	23	34.77	70.02
11	Nov-21	0.00	15.57	29.52	61.75
12	Dec-21	4.25	11.74	23.00	74.45
	Total	**901.50**			

Source: BUAT, Observatory

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

Category	Population	Production	Productivity
Cattle			
Crossbred	720		
Indigenous	370789		
Buffalo	324091		
Sheep			
Crossbred	0		
Indigenous	12255		
Goats	125317		
Pigs			
Crossbred	0		
Indigenous	17566		
Rabbits			
Fish (Reservoir)			

*Statistical report (19th Livestock census)

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
Banda Sadar	Badokhar Khurd	Chahitara	Arhar, Sesmum Gram, Lentill, Wheat	Lack of Irrigation water Unavailability of improved variety seed	Moisture, Conservation Technique, Introduction of HYV, IPM, INM, IDM
	Tindvari	Amraiya	Arhar, Urd, Guava Gram, Field Pea, Lentill, Wheat, Vegetables	Lack of Irrigation water Unavailability of improved variety seed	Moisture, Conservation Technique, Introduction of HYV, IPM, INM, IDM
Baberu	Kamasin	Kamasin	Arhar, Sesmum, Gram, Lentill, Fieldpea, Paddy Wheat	Lack of Irrigation water Unavailability of improved variety seed	Moisture, Conservation Technique, Introduction of HYV, IPM, INM, IDM
	Baberu	Murwal	Arhar, Sesmum, Paddy Gram, Lentill, Fieldpea Wheat	Unavailability of improved variety seed	Introduction of HYV, IPM, INM, IDM

Atarra	Bisanda	Kairi	Arhar, Sesmum, Paddy Gram, Lentill, Fieldpea Wheat	Unavailability of improved variety seed	Introduction of HYV, IPM, INM, IDM

2.8 Priority thrust areas

Crop/Enterprise	**Thrust Area**
Rice	Integrated Nutrient Management, IPM, Water Management
Urd & Til	Weed management, IDM, HYV
Sorghum	Moisture conservation, IPM, IDM
Pulse crops	Integrated Pest Management, IDM, HYV
Oilseed	Weed management, IPM, INM, HYV
Wheat	HYV, INM
Fruit & Vegetable crops	Varietal Assessment, ICM , Disease & Pest Management,
Animal Husbandary	Breed improvement, Feed, Balance Ration
Women Farmers	Drudgery, health

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	**110**	**37.6**	**195** (60 Animals)

Training		**Extension Activities**	
(3)		**(4)**	
Number of Courses	Number of Participants	Number of activities	Number of participants
99	**2429**	**280**	**10479**

Seed Production (Qtl.)	**Planting material Production (Nos.)**	**Fish seed prod. (Nos.)**	**Soil Samples to be analyzed (Nos.)**	**Development of Soil Health Cards (Nos.)**
(5)	**(6)**	**(7)**	**(8)**	**(9)**
200	**20100**	**N.A.**	**300**	**1200**

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)**
-	**-**	**N.A.**	**N.A.**

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	Ext. activities	Supply of seeds, planting materials etc.
1.	Varietal	Wheat	Poor yield of wheat due to old varieties	**-**	Demonstration of variety K 1317	-	-	Field day News coverage	Seed
2.	Varietal	Paddy	Very old varieties in general use at farmer field	**-**	Demonstration of variety Pant Dhan 24	-	**-**	Trag. Field day News coverage	Seed
3.	Varietal	Wheat	Late sown variety	OFT of variety K 1317	-	-	-	Field day News coverage	Seed
4.	Weed management	Paddy	Poor yield of wheat due to old varieties	Chemical weed control	-			Trag. Field day News coverage	Weedicide
5.	IDM	Sesame	Poor yield and quality due stem rot and root rot disease	Assessment of IDM approach for stem rot and root rot disease in sesame	**-**	Management of stem rot and root rot disease	**--**	Trag. Field day News coverage	Bio pesticide and fungicide
6.	IDM	Paddy	Poor yield and quality due to false smut disease	Assessment of suitable chemical management of false smut disease in paddy	-	Management of false smut disease in paddy	**-**	Trag. Field day News coverage	fungicide

7	IDM	Lentil	Poor yield and quality due wilt and root- rot disease	Assessment of IDM approach for wilt and root rot disease in sesame		Management of wilt and root rot disease		Trag. Field day News coverage	Bio pesticide and fungicide
8	IPM	Paddy	Poor yield and quality due to stem borer and leaf folder insect infestation	**-**	Management of stem borer and leaf folder in Paddy through IPM approach	Management of stem borer and leaf folder in paddy	**-**	Trag. Field day News coverage	Insecticide and bio pesticide
9.	IPM	Chick pea	Poor yield and quality due to pod borer insect infestattion	**-**	Management of pod borer insect in chickpea through IPM approach	Management of pod borer insect in chickpea	**-**	Trag. Field day News coverage	Insecticide and bio pesticide
10	Disease Management in Livestock	Dairy	Mastitis	Assessment of feeding Vit. E and Seleniumsupplement for control of mastitis	-	Management of mastitis in dairy buffaloes	-	Trag. Field day News coverage	Vit. E and Seleniu m
12.	Feed Management	Dairy	Poor milk yield	Assessment of feeding by-pass protein for higher milk yield	-	Importance of feeding by-pass protein for higher milk yield		Trag. Field day News coverage	By-pass Protein

13.	Disease Management in Livestock	Dairy	Low conception rate and repeated artificial insemination	-	Demonstration of "Impregnated Nanofibers" for induction of Oestrus in repeat breeding Buffaloes	Management of repeat breeding in dairy animals	-	Trag. Field day News cover age	ProSync – NF Progesterone Patch
14.	Disease Management in Livestock	Dairy	Delayed would healing process in maggots infested and FMD wounds	-	Demonstration of "Antibiotic Cream and Spray" for wound treatment in Ruminant	Care and management of wounds in dairy animals	-	Trag. Field day News coverage	Antibiotic cream and Spray
15.	Value addition in weaning food/Complementary foods	Women and childr en	Enrichment of wheat flour with Moringa oleifera leaf powder to combat malnutrition	Wheat flour and Moringa Oleifera leaf powder	-	-	-	Field day News coverage	Wheat Flour, Moringa Oleifera leaf powder and Moringa Oleifera plant
16.	Location specific drudgery reducing technologies	Working Farm Women	High level of drudgery among farm women	Protective cloths for farm women during harvesting, threshing and winnowing activities of chickpea.	-	-	Drudgery reducing tools for Farm Women	Training Field day News coverage	Protective clothing

17.	Nutritional Security	Kitchen Gardening	Malnutrition		Household food security by kitchen gardening and nutrition gardening		Kitchen garden for nutritional food security of rural families	Training Field day News coverage	Kitchen Gardening Kit
18	Nutritional Security	Kitchen Gardening	Malnutrition		Household food security by kitchen gardening and nutrition gardening		Kitchen garden for nutritional food security of rural families	Training Field day News coverage	Kitchen Gardening Kit
19	Drudgery Reduction	Drudgery Reduction	High level of drudgery among farm women		Revolving stool for drudgery reduction		Demonstration of drudgery reduction tools for farm women	Training Field day News coverage	Tool
20	Knowledge gain	Agricultural Library	Lack of Information about agricultural Technologies at rural level	Assessment of Agricultural Library for updating the knowledge at village level	-	-	-	Newspaper coverage	Agricultural Magazines
21	ICM	Okra	Use of old and low productive varieties of okra	Assessment of high yielding varieties	-	-	-	Field Days	Seed
22	ICM	Tomato	Planting of tomato without mulching	To assay the effect of crop residue mulch on tomato production	-	-	Importance of mulching in quality fruit production of tomato	Field Days	Seed, crop residue mulch
23	Varietal	Okra	Local/ old varieties	-	Demonstration of ofHYV Azad Bhindi-1	Cultivation Techniques	-	Field Days	Seed
24	Varietal	Cauliflower	Local/ old varieties	-	Demonstration of of HYV Kashi Gobhi-25	Cultivation Techniques	-	Field Days	Seed

25	Varietal	Tomato	Local/ old varieties		Demonstration of of Kashi Aman	Cultivation techniques	-	Field Days	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	2				1					3
Integrated Disease Management	1	1	1							3
Resource conservation technology					1					1
TOTAL	**3**	**1**	**1**		**2**					**7**

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

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Buffalo	Fisheries	TOTAL
Disease of Management						1		1
Feed and Fodder	1							1
TOTAL	**1**					**1**		**2**

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

Thematic areas	Farm Women	Rural Youth	Unemployed Women	Goat	Piggery	Buffalo	Fisheries	TOTAL
Nutrition Management	1							1
Small Scale enterprises	1							1
TOTAL	**2**							**2**

B. Details of On Farm Trial

OFT-1 Crop Production

Crop / Enterprise	Wheat	
Title of on farm trial	Varietal evaluation	
Problem diagnosed	Low productivity due to old variety	
Farmers' Practices	Farmer's practice (WH 147)	
Details of technologies selected for assessment/refinement	T_1	Farmer's practice (WH 147)
	T_2	Variety K 1317
Source of technology	CSAUA& T, Kanpur	
Plot size	0.4 ha	
No. of farmers	05	
Total cost	Rs. 5000/-	
Critical input	Seed	
Performance indicators: (i) Technical (ii) Economic (iii) Social	 Lodging, Yield (q/ha) Cost: Benefit ratio Farmers Acceptability	

OFT-2 Crop Production

Crop / Enterprise	Rice	
Title of on farm trial	Varietal evaluation	
Problem diagnosed	Low productivity due to old variety	
Farmers' Practices	Farmer's practice (Narendra 359)	
Details of technologies selected for assessment/refinement	T_1	**Farmer's practice (Narendra 359)**
	T_2	Pant Dhan 24
Source of technology	Pantnagar	
Plot size	0.4 ha	
No. of farmers	05	
Total cost	Rs. 5000/-	
Critical input	Seed	
Performance indicators: (i) Technical (ii) Economic (iii) Social	 Weed intensity, Yield (q/ha) Cost: Benefit ratio Farmers Acceptability	

OFT-3 Plant Protection

	Crop/Enter prizes	Sesame
1	Title of on farm trial	Assessment of IDM approach for stem rot and root rot disease in Sesame
2	Problem Diagnosed	Poor yield and quality due stem rot and root rot disease
3	Farmer situation	Irrigated
4.	Production system and thematic area	IDM
5.	Farmers practice	No seed treatment
6.	Details of technologies selected for assessment/refinement	**T1** - Farmer's practice (No seed treatment) **T2** -seed treatment with *Trichoderma viride* @4gm/kg + soil application of *T. viride*@2.5kg/ha enriched in 100kg of FYM at sowing+neem cake@250 kg/ha at the sowing time and spray of CoC 50% wp@2gm/litre
7.	Source of technology	C.SA.U.A. & T., Kanpur
8.	No. of farmers	10
9.	Plot size	0.4 ha
10	Critical input	*Trichoderma viride* , Copper oxychloride (CoC), neem cake
11.	Total cost	Rs. 4000/-
12.	Performance indicators Technical: Economic: Social:	Infected plant in % Yield(q/ha) cost benefit ratio Acceptability

OFT-4 Plant Protection

	Crop/Enter prizes	Paddy
1	Title of on farm trial	Assessment of suitable chemical management of false smut disease in paddy
2	Problem Diagnosed	Poor yield and quality due to false smut disease
3	Farmer situation	Irrigated
4.	Production system and thematic area	Disease Management
5.	Farmers practice	Precaution measure not in practice
6.	Details of technologies selected for assessment/refinement	**T1** – Precaution measure not in practice **T2** – Spray of 0.1% Propincazole 25% EC fungicide at 50% ear initiation
7.	Source of technology	CSAUAT, Kanpur
8.	No. of farmers	10
9.	Plot size	0.4ha
10.	Critical input	Propincazole)
11.	Total cost	Rs. 2000/-

12.	Performance indicators Technical: Economic: Social:	No. of infected ear/m^2 Yield(q/ha) Cost benefit ratio Acceptability

OFT-5 Plant Protection

	Crop/Enter prizes	Lentil
1	Title of on farm trial	Assessment of IDM approach for wilt and root rot disease in Lentil
2	Problem Diagnosed	Poor yield and quality due to wilt and root rot disease
3	Farmer situation	Irrigated
4.	Production system and thematic area	IDM
5.	Farmers practice	Only chemical spray of mancozeb @1-2kg/ha
6.	Details of technologies selected for assessment/refinement	**T1** - Only chemical spray of mancozeb @1-2kg/ha **T2** -seed treatment with *Trichoderma viride* 1%WP@4gm/kg + soil application of *T. viride* 1%WP@2.5kg/ha enriched in 100kg of FYM at sowing+neem cake @250 kg/ha at the time of sowing and foliar spray of Vitavax 75% WP @ 2gm/litre at 35 days crop
7.	Source of technology	CSAUAT, Kanpur
8.	No. of farmers	10
9.	Plot size	0.4ha
10.	Critical input	*Trichoderma viride* , Vitavax, neem cake
11.	Total cost	Rs. 4000/-
12.	Performance indicators Technical: Economic: Social:	 Affected plants/m^2 Yield(q/ha) Cost benefit ratio Acceptability

OFT-6 Animal Husbandry

1.	Thematic Area	Animal Husbandry Feed management
2	Crop/Enter prises	Cattle
3	Title of on farm trial	Assessment of feeding by-pass protein for higher milk yield
4.	Problem Diagnosed	Low milk yield and profitability due to lack of protein intakes
5.	Farmers practice (T1)	No feeding of bypass protein in the ration
6.	Details of technologies selected for assessment/refinement (T2)	Feeding of bypass protein @ 100 gm each / animal / day after calving for four months. (Recommended practice)
7.	Source of technology	N.D.R.I., Karnal
8.	No. of farmers	20
9.	No. of Cattle	20
10.	Critical input	By-Pass Protein
11.	Total Cost	Rs. 7500
12.	Performance indicators Technical: Economic: Social:	➢ Milk production/buffalo ➢ C : B Ratio ➢ Acceptability of concentrate feeding

OFT-7 Animal Husbandry

1.	Thematic Area	Disease Management
2	Crop/Enter prises	Buffalo
3	Title of on farm trial	Assessment of feeding Vitamin E + Selenium supplement for prevention of mastitis in dairy animals
4.	Problem Diagnosed	High incidence of mastitis in milch animals resulting in heavy loss in milk production and profitability
5.	Farmers practice (T1)	Poor prophylactic majors for mastitis, no practice of cleaning of udder and regular testing of subclinical mastitis and no use of drugs
6.	Details of technologies selected for assessment/refinement (T2)	Supplementation of 2 gram vitamin E + selenium per day per animal for 90 days during dry pried prior to calving for control of subclinical mastitis
7.	Source of technology	N.D.R.I., Karnal
8.	No. of farmers	20
9.	No. of Animals	20
10.	Critical input	Vitamin E and Selenium supplement
11.	Total Cost	Rs. 7500
12.	Performance indicators Technical: Economic: Social:	 ➢ Disease incidence and Milk production ➢ C : B Ratio ➢ Acceptability of vitamin and selenium supplement

OFT-8 (Home Science)

1	Crop/Enterprises	Wheat flour and Moringa Oleifera leaf powder
2	Title of on farm trial	Enrichment of wheat flour with moringa oleifera leaf powder to combat malnutrition
3	Problem Diagnosed	Malnutrition in children and women
4.	Farmer situation	T1- Wheat Flour (100%)
5.	Production system and thematic area	T2- Wheat Flour: Moringa Oleifera leaf powder (95:5) T3- Wheat Flour: Moringa Oleifera leaf powder (93:7) T4- Wheat Flour: Moringa Oleifera leaf powder (90:10)
6.	Farmers practice	University of Agricultural Science, Bangalore
7.	Details of technologies selected for assessment/refinement	3
8.	Source of technology	Wheat Flour, Moringa Oleifera leaf powder and Moringa Oleifera plant
9.	No. of farmers	10
10.	Critical input	Nutrient content Hemoglobin level before and after intervention Anthropometric measurement (height and weight) Sensory evaluation
11.	Total Cost	Rs.3000
12.	Performance indicators Technical: Economic: Social:	Acceptability and Adoption of technology

OFT-9: Home Science

1	Crop/Enterprises	Protective clothing
2	Title of on farm trial	Protective cloths for farm women during harvesting, threshing and winnowing activities of chickpea.
3	Problem Diagnosed	Exposure to husk, dust, sun rays and face health problems like itching, irritation, cut and sores.
4.	Farmer situation	T1- Use old shirt to cover their body and pallu of their saree or dupatta to cover their head and face.
5.	Production system and thematic area	T2- Use of protective clothes (apron, mask, gloves, plain glasses, and shoes)
6.	Farmers practice	GBPUAT, Pantnagar
7.	Details of technologies selected for assessment/refinement	3
8.	Source of technology	apron, mask, hand gloves, plain glasses, and shoes
9.	No. of farmers	10
10.	Critical input	Suitability, Comfortability and work efficiency
11.	Total cost	Rs.3000
12.	Performance indicators Technical: Economic: Social:	Adoption of technology

Extension

Thematic Area	Information of Technology
Problem diagnosed	Lack of Information about agricultural Technologies at rural level
Title of OFT	Assessment of Agricultural Library for updating the knowledge at village level
Farmers Practice	Farmers use traditional information sources
Technology to be demonstrated	Krishak Jagat, Kheti, Krishak doot, Krishak Bharati,Krishi chayanika, Krishak Vandana
Source of Technology	RVSKV, Gwalior
Year of Technology	2018
NO. of trail/Rep.	05
Critical Input	Agricultural Magazines
Total cost	4000

OFT-11 Horticulture

1.	Crop/Enterprise	Okra (Bhindi)	
2.	Title of on farm trial	To assess High Yielding variety with proper spacing (60 cm X 45 cm)	
3.	Problem diagnosed	Poor yield and quality of okra fruits due to lack of knowledge about proper spacing (60cmX45cm)and HYV	
4.	Farmers' Practices	Use of old and low productive varieties without proper spacing	
5.	Details of technologies selected for assessment/refinement	**T_1**	Farmers Practices (old and low productive varieties without proper spacing)
		T_2	Kashi Kranti with proper spacing of 60 cmX 45 cm
6.	Source of technology	IIVR, Varanasi	
7.	Plot size	500 m^2	
8,	No. of farmers	05	
9.	Total cost	Rs. 3000/-	
11.	Critical input	Seed	
12.	Performance indicators: (i) Technical (ii) Economic (iii) Social	No. of fruits/plant, yield/ha. Cost: benefit ratio Farmers Acceptability	

OFT- 12 Horticulture

Crop/Enterprise	Tomato	
Title of on farm trial	To assay the effect of crop residue mulch on tomato production	
Problem diagnosed	Poor yield and quality of tomato due improper geometry and flood irrigation resulting in deteriorate yield and quality.	
Farmers' Practices	Planting of tomato without mulching	
Details of technologies selected for assessment/refinement	T_1	Farmers Practices (no mulching)
	T_2	Use of crop residue mulch
Source of technology	CSAUA&T, Kanpur	
Plot size	500 m^2	
No. of farmers	05	
Total cost	Rs. 3000/-	
Critical input	Seedlings/Seed	
Performance indicators: Technical: Economic: Social :	 No. of fruits/plant, yield/ha. Cost: benefit ratio Farmers Acceptability	

3.2 Front Line 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	Wheat	K 1317	Varietal	Variety	Seed	Rabi 2023	10	25	Growth and Yield (q/ha)
2	Paddy	Pant Dhan 24	Varietal	Variety	Seed	Kharif 2023	10	25	No. of affected fruit /plant Yield (q/ha.)
3	Paddy	Pant-24	IPM	Foiar spray of Azadirechtin (1500ppm)@5ml/l, Fipronil@7.5kg/acre, Profenophas 50%EC@2ml/l spray at ETL	Azadirachtin, Profenophos	Kharif 2023	05	12	Dead heart plants in percent, Yield (q/ha.)
4	Chickpea	JG-14	IPM	Bird percher@50/ha, nipping process before flowering, Pheromone traps@ 20/ha for monitoring of pod borer insect, spray of Azadirachtin(1500ppm)@ 5ml/l, spray of Indoxcarb14.5SL@500ml/ha at podding time	Bird percher Pheromone traps Azadirachtin Indexcarb	Rabi-2023	05	12	No. of affected plant/m^2 Yield(q/ha.)
5	Vegetables and fruits	-	Household food security by kitchen gardening and nutrition gardening	Kitchen Gardening	Kitchen Gardening Kit	Kharif-2023	1.0	40	Livelihood and nutritional security
6	Vegetables and fruits	-	Household food security by kitchen gardening and nutrition gardening	Kitchen Gardening	Kitchen Gardening Kit	Rabi 2023	1.0	40	Livelihood and nutritional security

7	Drudgery reduction	-	Revolving stool for drudgery reduction	Drudgery Reduction	Revolving Stool	Rabi 2023	-	10	Drudgery reduction
8	Tomato	Demonstration of of Kashi Aman	Varietal Evaluation	HYV	Seed	Rabi 2021-22	0.2	10	Yield, C:B ratio
9	Cauliflower	Demonstration of ofHYV Kashi Gobhi-25	Varietal Evaluation	HYV	Seed	Rabi 2021-22	0.2	10	Yield, C:B ratio
10	Okra	Demonstration of ofHYV Azad Bhindi-1	Varietal Evaluation	HYV	HYV	Kharif 2021-22	0.2	10	Yield, C:B ratio
							37.6	**194**	

Sponsored Demonstration

Sl. No.	Crop	Area (ha)	No. of farmers
1	Sesamum	10	25
2	Pigeonpea	10	25
3	Mustard	10	25
4	Linseed	10	25
5	Chickpea	20	50
6	Lentil	10	25

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	24	Feb and Oct	450
2	Farmers Training	15	Jun and Nov	300
3	Media coverage	30	April and Oct	Mass
4	Training for extension functionaries	2	Oct and April	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

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Dairy	Murrah/Non-descript buffaloes	15	30	Demonstration of "Impregnated Nanofibers" for induction of Oestrus in repeat breeding Buffaloes	Conception rate
Dairy	Murrah/Non-descript buffaloes	15	30	Demonstration of "Antibiotic Cream and Spray" for wound treatment in Ruminant	Milk yield and disease incidence

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

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	20	-	20	5	-	5	25
Resource Conservation Technologies	2	23	5	38	10	2	12	50
Water management	1	20	-	20	5	-	5	25
Integrated Crop Management	1	20	-	20	5	-	5	25
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	3	60	-	60	15	-	15	75
Off-season vegetables	1	20	-	20	5	-	5	25
Nursery raising	1	20	-	20	5	-	5	25
b) Fruits								
c) Ornamental Plants								
d) Plantation crops								
e) Tuber crops								
f) Spices								
g) Medicinal and Aromatic Plants								
III Soil Health and Fertility Management								
IV Livestock Production and Management								
Dairy Management	3	45	15	60	9	6	15	75
Poultry Management	1	15	5	20	3	2	5	25
Rabbit Management/goat	1	15	5	20	3	2	5	25
Disease Management	1	15	5	20	3	2	5	25
Feed management	1	15	5	20	3	2	5	25

V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	-	30	30	-	25	25	55
Value addition	2	-	40	40	-	30	30	70
Rural Crafts	1	-	30	30	-	25	25	55
VI Agril. Engineering								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management	02	36	01	37	05	-	5	42
Integrated Disease Management	03	59	-	59	06	-	06	65
VIII Fisheries								
IX Production of Inputs at site								

X Capacity Building and Group Dynamics								
Group dynamics	1	15	5	20	3	2	5	25
Formation and Management of SHGs	1	15	5	20	3	2	5	25
Mobilization of social capital	1	15	5	20	3	2	5	25
Entrepreneurial development of farmers/youths	1	15	5	20	3	2	5	25
WTO and IPR issues	1	15	5	20	3	2	5	25
Other (ICT)	2	30	10	40	6	4	10	50
XI Agro-forestry								
XII Others (Pl. Specify)								
TOTAL	**33**	**488**	**176**	**674**	**103**	**110**	**213**	**887**
(B) RURAL YOUTH								
Mushroom Production	1	18	-	18	02	-	02	20
Seed production	1	15	5	20	3	2	5	25
Production of organic inputs	1	20	-	20	5	-	5	25
Nursery Management of Horticulture crops	1	10	-	10	5	-	5	15
Value addition	1	10	10	20	5	10	15	35
Dairying	1	20	-	20	5	-	5	25
Sheep and goat rearing	1	10	-	10	5	-	5	15
Poultry production	1	20	-	20	5	-	5	25
Post Harvest Technology	1	10	-	10	5	-	5	15
Tailoring and Stitching	1	-	10	10	-	10	10	20
TOTAL	**10**	**133**	**25**	**158**	**40**	**22**	**62**	**220**
© Extension Personnel								
Integrated Pest Management	1	18	-	18	2	-	2	20
Rejuvenation of old orchards	1	10	-	10	5	-	5	15
Information networking among farmers	1	20	-	20	5	-	5	25
Capacity building for ICT application	1	20	-	20	5	-	5	25
Management in farm animals	1	15	-	15	5	-	5	20
Household food security	1	10	-	10	5	-	5	15
Low cost and nutrient efficient diet designing	1	-	10	10	-	5	5	15
Any other (Crop Residue Management)	1	15	-	15	5	-	5	20
Any other (Organic Farming : Principle and Opportunity)	1	15	-	15	5	-	5	20
Any other (Use of Agro-Chemicals)	1	18	-	18	2	-	2	20
TOTAL	**10**	**141**	**10**	**151**	**39**	**5**	**44**	**195**
G. Total	**53**	**762**	**211**	**983**	**182**	**137**	**319**	**1302**

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	20	-	20	5	-	5	25
Resource Conservation Technologies	2	40	-	40	10	-	10	50
Water management	1	20	-	20	5	-	5	25
Nursery management	1	20	-	20	5	-	5	25
Integrated Crop Management	1	20	-	20	5	-	5	25
Fodder production	1	20	-	20	5	-	5	25
Production of organic inputs	1	20	-	20	5	-	5	25
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	40	-	40	10	-	10	50
Off-season vegetables	1	20	-	20	5	-	5	25
Protective cultivation (Green Houses, Shade Net etc.)	1	20	-	20	5	-	5	25
b) Fruits								
Cultivation of Fruit	2	40	-	40	10	-	10	50
Management of young plants/orchards	1	20	-	20	5	-	5	25
c) Ornamental Plants								
d) Plantation crops								
e) Tuber crops								
f) Spices								
Production and Management technology	2	40	-	40	10	-	10	50
g) Medicinal and Aromatic Plants								
III Soil Health and Fertility Management								
IV Livestock Production and Management								
Dairy Management	1	15	5	20	3	2	5	25
Rabbit Management /goat	1	15	5	20	3	2	5	25
Disease Management	3	45	15	60	9	6	15	75
Feed management	1	15	5	20	3	2	5	25
Production of quality animal products	1	15	5	20	3	2	5	25

V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	4		65	65		42	42	107
Design and development of low/minimum cost diet	1		15	15		10	10	25
Designing and development for high nutrient efficiency diet	1		15	15		10	10	25
Minimization of nutrient loss in processing	1		15	15		10	10	25
Income generation activities for empowerment of rural Women	1		15	15		10	10	25
VI Agril. Engineering								
VII Plant Protection								
Integrated Pest Management	6	112	3	115	14	-	14	129
Integrated Disease Management	3	60	2	62	4	-	4	66
VIII Fisheries								
IX Production of Inputs at site								
X Capacity Building and Group Dynamics								
Group dynamics	1	15	5	20	3	2	5	25
Entrepreneurial development of farmers/youths (Agro.)	2	30	10	40	6	4	10	50
Others (ICT)	2	30	10	40	6	4	10	50
XI Agro-forestry								
XII Others (Pl. Specify)								
TOTAL	**46**	**692**	**190**	**882**	**139**	**106**	**245**	**1127**
(B) RURAL YOUTH								
TOTAL								
(C) Extension Personnel								
TOTAL								
G. Total	**46**	**692**	**190**	**882**	**139**	**106**	**245**	**1127**

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	Grand Total
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	40	0	40	10	0	10	50
Resource Conservation Technologies	4	63	5	78	20	2	22	100
Water management	2	40	0	40	10	0	10	50
Nursery management	1	20	0	20	5	0	5	25
Integrated Crop Management	2	40	0	40	10	0	10	50
Fodder production	1	20	0	20	5	0	5	25
Production of organic inputs	1	20	0	20	5	0	5	25

II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	5	100	0	100	25	0	25	125
Off-season vegetables	2	40	0	40	10	0	10	50
Nursery raising	1	20	0	20	5	0	5	25
Protective cultivation (Green Houses, Shade Net etc.)	1	20	0	20	5	0	5	25
b) Fruits								
Cultivation of Fruit	2	40	0	40	10	0	10	50
Management of young plants/orchards	1	20	0	20	5	0	5	25
c) Ornamental Plants								
d) Plantation crops								
e) Tuber crops								
f) Spices								
Production and Management technology	2	40	0	40	10	0	10	50
g) Medicinal and Aromatic Plants								
III Soil Health and Fertility Management								
IV Livestock Production and Management								
Dairy Management	4	60	20	80	12	8	20	100
Poultry Management	1	15	5	20	3	2	5	25
Piggery Management	0	0	0	0	0	0	0	0
Rabbit Management /goat	2	30	10	40	6	4	10	50
Disease Management	4	60	20	80	12	8	20	100
Feed management	2	30	10	40	6	4	10	50
Production of quality animal products	1	15	5	20	3	2	5	25
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	5	0	95	95	0	67	67	162
Design and development of low/minimum cost diet	1	0	15	15	0	10	10	25
Designing and development for high nutrient efficiency diet	1	0	15	15	0	10	10	25
Minimization of nutrient loss in processing	1	0	15	15	0	10	10	25
Value addition	2	0	40	40	0	30	30	70
Income generation activities for empowerment of rural Women	1	0	15	15	0	10	10	25
Rural Crafts	1	0	30	30	0	25	25	55
Women and child care	0	0	0	0	0	0	0	0
VI Agril. Engineering								
VII Plant Protection								
Integrated Pest Management	8	148	4	152	19	0	19	171
Integrated Disease Management	6	119	2	121	10	0	10	131

VIII Fisheries								
IX Production of Inputs at site								
X Capacity Building and Group Dynamics								
Group dynamics	2	30	10	40	6	4	10	50
Formation and Management of SHGs(HS)	1	15	5	20	3	2	5	25
Mobilization of social capital	1	15	5	20	3	2	5	25
Entrepreneurial development of farmers/youths (Agro.)	3	45	15	60	9	6	15	75
WTO and IPR issues	1	15	5	20	3	2	5	25
Others (ICT)	4	60	20	80	12	8	20	100
XI Agro-forestry								
XII Others (Pl. Specify)								
TOTAL	**79**	**1180**	**366**	**1556**	**242**	**216**	**458**	**2014**
(B) RURAL YOUTH								
Mushroom Production	1	18	-	18	02	-	02	20
Seed production	1	15	5	20	3	2	5	25
Production of organic inputs	1	20	-	20	5	-	5	25
Nursery Management of Horticulture crops	1	10	-	10	5	-	5	15
Value addition	1	10	10	20	5	10	15	35
Dairying	1	20	-	20	5	-	5	25
Sheep and goat rearing	1	10	-	10	5	-	5	15
Poultry production	1	20	-	20	5	-	5	25
Post Harvest Technology	1	10	-	10	5	-	5	15
Tailoring and Stitching	1	-	10	10	-	10	10	20
TOTAL	**10**	**133**	**25**	**158**	**40**	**22**	**62**	**220**
(C) Extension Personnel								
Integrated Pest Management	1	18	-	18	2	-	2	20
Rejuvenation of old orchards	1	10	-	10	5	-	5	15
Information networking among farmers	1	20	-	20	5	-	5	25
Capacity building for ICT application	1	20	-	20	5	-	5	25
Management in farm animals	1	15	-	15	5	-	5	20
Household food security	1	10	-	10	5	-	5	15
Low cost and nutrient efficient diet designing	1	-	10	10	-	5	5	15
Any other (Crop Residue Management)	1	15	-	15	5	-	5	20
Any other (Organic Farming : Principle and Opportunity)	1	15	-	15	5	-	5	20
Any other (Use of Agro-Chemicals)	1	18	-	18	2	-	2	20
TOTAL	**10**	**141**	**10**	**151**	**39**	**5**	**44**	**195**
Grand Total (All trainings)	**99**	**1454**	**401**	**1865**	**321**	**243**	**564**	**2429**

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	30	450	170	620	40	-	40	690	250	940
Kisan Mela	02	1500	500	2000	50	20	70	1550	520	2070
Kisan Gosthi	12	1400	50	1450	50	-	50	1450	50	1500
Exhibition	06	840	60	900	20	-	20	560	60	620
Film Show	5	850	200	1050	10	-	10	460	100	560
Farmers Seminar	01	60	15	75	08	02	10	68	17	85
Workshop	02	60	15	75	08	02	10	68	17	85
Group meetings	10	200	150	350	5	-	5	25	6	31
Lectures delivered as resource persons	12									Mass
Newspaper coverage	100									Mass
Radio talks	02									Mass
TV talks	01									Mass
Popular articles	6									Mass
Extension Literature	4									Mass
Advisory Services										
Scientific visit to farmers field	24	700	150	850	100	50	150	800	200	1000
Farmers visit to KVK	20	700	150	850	100	50	150	800	200	1000
Diagnostic visits	20	170	70	240	10	-	10	180	70	250
Exposure visits	01	20	-	20	1	-	1	21	-	21
Ex-trainees Sammelan	01	20	-	20	1	-	1	21	-	21
Soil health Camp	04	150	-	150	5	01	06	155	01	156
Animal Health Camp	02	150	50	200	10	-	10	160	50	210
Farm Science Club Conveners meet										To be form
Mahila Mandals Conveners meetings										To be form
Celebration of important days (specify)	08	1000	150	1150	50	10	60	1050	160	1210
Pre Kharif workshop	01	150	-	150	10	-	10	160	-	160
Pre Rabi workshop	01	150	-	150	10	-	10	160	-	160
Any Other (Specify) live-telecast programme, Bundeli krishi Chaupal, Jaivik corridor programme	05	325	50	375	25	-	25	350	50	400
Total	**280**	**8895**	**1780**	**10675**	**513**	**135**	**648**	**8728**	**1751**	**10479**

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)	Distributed to the farmers (Nos.)
CEREALS	Wheat	DBW-107	60	
	Paddy	Pant Dhan- 24	100	
Pulses	Lentil	IPL-316	40	-
	Total		**200**	

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Distributed to the farmers (Nos.)
1	Chilli, Tomato, Brinjal, Cauliflower	Kashi Uttam, Kashi Aman, Kashi Anupam, Golden Acre	20000	-
2	Papaya,	Farm selection-1	100	-
	Total		**20100**	**-**

3.6 Literature to be Developed/Published

(A) KVK News Letter (Quarterly) : 02

Date of start : January 2018

Number of copies to be published : 200

(B) Literature developed/published

S.No.	Topic	No.	Name of Journal/literature
1	Research paper by each scientist	01	
2	Technical reports	08	
3	News letters	02	
4	Training manual all discipline	03	
5	Popular article	08	
6	Extension literature	08	
	Total	**30**	

(C) Details of Electronic Media to be Produced

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

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

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

(a) Practicing Farmers-Expert Judgment and Survey

(b) Rural Youth- Need based

(c) In-service personnel- Expert Judgment and Survey

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT:

1. Field level observations
2. Farmer group discussions

For FLD:

1. New variety/technology
2. Results of OFT
3. Existing cropping system

3.10 Field activities

i. Name of villages identified/adopted with block name (from which year) – 5 (2021)
ii. No. of farm families selected per village : 50
iii. No. of survey/PRA conducted : 2
iv. No. of technologies taken to the adopted villages :6
v. Name of the technologies found suitable by the farmers of the adopted villages: 4
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 : Established

2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs in Lacs)
1	Mrida Prikshak	02	1.72

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	300	300	12	--
Water				
Plant				
Total	300	1200	**12**	**--**

4. LINKAGES

4.1 Functional linkage with different organizations

Name of the programme	Institution involved	Kind of linkages
ATMA	Agriculture Deptt.	Farmers training,Interaction,planning and execution
NHM	Agriculture Deptt.	Farmers training,Interaction,planning and execution
NFSM	Agriculture Deptt.	Farmers training,Interaction,planning and execution
Soil Health	Agriculture Deptt.	Farmers training, Interaction,planning and execution
IPM	Agriculture Deptt.	Farmers training,Interaction,planning and execution
Field day	Agriculture Deptt.	Farmers training,Interaction,planning and execution
Landscape Diagnostic Surveys	CSISA	Landscape Diagnostic Surveys, Crop cutting of Rice and Wheat cropping systems
NICRA	CRIDA	Farmers training, demonstration and analysis and making strategies for climate smart agriculture

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

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Training	As a expert
2	Meeting of Governing board	As a member

5. Utilization of hostel facilities –not available

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	Landscape Diagnostic Surveys	CSISA	1 Year	1.6
2	Scaling out Climate-Smart Agriculture for Resilient Farming in India	IWMI	1Year	2.0

7.2. Brief achievements of above collaborative programmes

S. No.	Name of Programme	Salient achievement	Impact of the programme
1	Landscape Diagnostic Surveys	Survey work is near to complete.	It will help to formulate strategies for enhancing productivity in Rice- Wheat cropping system
2	Scaling out Climate-Smart Agriculture for Resilient Farming in India	Data collection and 2 days workshop has been conducted	It will help to formulate strategies for enhancing productivity under changing climate

8. Achievements (Both Technical and physical) of sponsored programmes (As applicable to your KVK) during the reporting period (2019-20)

S. No.	Name of Programme	Detailed Technical Achievements	Physical (infrastructural achievement)
1	TSP Project		
2	ARYA Project		
3	CFLD-NFSM Project		
	i. Kharif season	Popularization of new variety	
	ii. Rabi season		
	iii. Summer season		
4	CSISA Project	Survey work is near to complete	-
5	NICRA Project		
6	Soil Health Card		
7	PMFBY		
8	PPVFRA		
9	IWMI project	Data collection and 2 days workshop has been conducted	-
	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:

XXXXXXXXXXXXX

Annexure - I

Training Programme-2023

i) Farmers & Farm women (off /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										
Feb-23	PF	Production and methods of use of FYM.	1	20	-	20	5	-	5	25
Mar-23	PF	Natural farming for resources conservation technology.	1	13	5	18	5	2	7	25
April-23	PF	Weed and nursery management in Paddy.	1	20	-	20	5	-	5	25
May-23	PF	Time and Importance of Summer ploughing and bunding for soil and water conservation.	1	20	-	20	5	-	5	25
June-23	PF	Importance of soil health and its role in productivity under natural farming.	1	20	-	20	5	-	5	25
July-23	PF	Transplanting and nutrient management in rice.	1	20	-	20	5	-	5	25
Aug-23	PF	Integrated nutrient management in Kharif oilseed and pulses.	1	20	-	20	5	-	5	25
Sept-23	PF	Importance of Sprinkler irrigation in crop production.	1	20	-	20	5	-	5	25
Oct-23	PF	Weed and nutrients management in Rabi pulses.	1	20	-	20	5	-	5	25
Oct-23	PF	Weed and nutrients management in wheat crop.	1	20	-	20	5	-	5	25
Nov-23	PF	Green fodder calendar.	1	20	-	20	5	-	5	25
Nov-23	PF	Crop residue management in paddy fields.	1	20	-	20	5	-	5	25
Dec-23	PF	Water management in wheat crop.	1	20	-	20	5	-	5	25
Plant protection										
Jan-23	PF	Management of pod fly in Fieldpea	1	20	-	20	5	-	5	25
Feb-23	PF	Management of pod borer insect in chickpea	1	20	-	20	5	-	5	25
Mar-23	PF	Management of insect and diseases in wheat	1	13	5	18	5	2	7	25
April-23	PF	Preparation of Neem based insecticide and its importance	1	20	-	20	5	-	5	25
May - 23	PF	Management of yellow mosaic disease in pulse crops	1	20	-	20	5	-	5	25
July - 23	PF	Management of stem and root rot diseases in sesame	1	20	-	20	5	-	5	25
July-23	PF	Management of Pest and diseases in Kharif Pulses and oilseed crop	1	15	5	20	5	-	5	25
Aug-23	PF	Management of stem borer and leaf folder insect in Paddy	1	20	-	20	5	-	5	25
Aug-23	PF	Management of false smut disease in Paddy	1	20	-	20	5	-	5	25
Sep-23	PF	Management of Pod borer insect in Pigeonpea	1	20	-	20	5	-	5	25
Oct-23	PF	Important role of seed treatment in Rabi pulses crops	1	20	-	20	5	-	5	25
Nov-23	PF	Management of shoot and fruit borer in Brinjal	1	20	-	20	5	-	5	25
Dec-23	PF	Management of aphid insect in Mustard	1	20	-	20	5	-	5	25
Animal Husbandry										
Jan-23	PF	Scientific Management of Newly born Kids in Goats	1	15	5	20	3	2	5	25
Feb-23	PF	Formulation of Total Mixed Ration for Livestock	1	15	5	20	3	2	5	25
Mar-23	PF	Scientific Management of Milch Animals	1	15	5	20	3	2	5	25
Apr-23	PF	Importance of Summer Management in Livestock	1	15	5	20	3	2	5	25
May-23	PF	Feeding practices for livestock during summer	1	15	5	20	3	2	5	25
June-23	PF	Importance of vaccination in livestock	1	15	5	20	3	2	5	25
July-23	PF	Control and Prevention of Mastitis in Farm Animals	1	15	5	20	3	2	5	25

July-23	PF	Clean Milk Production	1	15	5	20	3	2	5	25
Aug-23	PF	Important Production Diseases of Livestock	1	15	5	20	3	2	5	25
Aug-23	PF	Goat Farming : ATM for the farmers	1	15	5	20	3	2	5	25
Sept-23	PF	Control of Communicable diseases in livestock	1	15	5	20	3	2	5	25
Oct-23	PF	Management of livestock from Cold Shock	1	15	5	20	3	2	5	25
Nov-23	PF	Management practices in goat rearing	1	15	5	20	3	2	5	25
Dec-23	PF	Scientific Poultry Farming	1	15	5	20	3	2	5	25
Home Science										
Jan-23	PF	Kitchen garden for nutritional food security of rural families	1	-	20	20	-	15	15	35
Feb- 23	PF	Demonstration of drudgery reduction tools for farm women	1	-	15	15	-	10	10	25
Mar- 23	PF	Awareness programme for Adolescent girls on health and hygiene	1	-	15	15	-	10	10	25
Apr- 23	PF	Preparation of recipes by using coarse grain and pulses for pregnant and lactating women	1	-	15	15	-	7	7	22
May-23	PF	Establishment of vermicompost Unit for the best utilization of household waste and income generation	3	-	20	20	-	15	15	35
Jun- 23	PF	Development of Protein and energy rich diet for school going children	3	-	10	10	-	10	10	20
Jul-23	PF	Household food security of malnourished children with nutrition thali	1	-	15	15	-	10	10	25
Aug-23	PF	Importance of drudgery reducing farm tools for women farmer	1	-	15	15	-	10	10	25
Sep-23	PF	Awareness programme for women on health and hygiene	1	-	15	15	-	10	10	25
Oct- 23	PF	Preparation of nutritious foods from green leafy vegetables for children	1	-	30	30	-	25	25	55
Nov-23	PF	Awareness on Drudgery reducing farm implements for enhancing work efficiency	1	-	30	30	-	25	25	55
Dec-23	PF	Preparation of iron rich diet for pregnant women and adolescent girls.	1	-	10	10	-	10	10	20
Agriculture Extension										
Jan-23	PF	Agricultural Market Problems and Solutions	1	15	5	20	3	2	5	25
Feb-23	PF	Kisan Sarthi app- Awareness and Utility	1	15	5	20	3	2	5	25
Mar- 23	PF	Establishment and Benefit of Custom hiring	1	15	5	20	3	2	5	25
April 23	PF	Self Help Group - Management and Problem Solving	1	15	5	20	3	2	5	25
May, 23	PF	Different avenues of Agri-entrepreurship development in Bundelkhand region	1	15	5	20	3	2	5	25
June, 23	PF	Entreprenurship development through quality seed production under Seed hub scheme	1	15	5	20	3	2	5	25
July-23	PF	Climate Change - Understanding and Risk Management	1	15	5	20	3	2	5	25
Aug-23	PF	Importance of social media and Print media in Transfer of agriculture technology	1	15	5	20	3	2	5	25

Sep-23	PF	Awareness of govt. schemes related to agri-preurship	1	15	5	20	3	2	5	25
Oct-23	PF	Farmers producer Organization: Need and importance	1	15	5	20	3	2	5	25
Nov-23	PF	Use of ICTs tools in agriculture	1	15	5	20	3	2	5	25
Dec-23	PF	Group Management Techniques	1	15	5	20	3	2	5	25
Horticulture										
Jan-23	PF	Crop regulation in guava through nutrition and irrigation management	1	-	15	15	-	10	10	25
Feb-23	PF	Improved cultivation techniques of Brinjal	1	-	15	15	-	10	10	25
Mar-23	PF	Production technology of ornamental crops	1	-	15	15	-	10	10	25
April-23	PF	Production Technology of seed spices in Bundelkhand region	1	-	15	15	-	10	10	25
May - 23	PF	Cultivation techniques of rainy season vegetables	1	-	15	15	-	10	10	25
June-23	PF	Improved cultivation techniques of Kharif Onion	1	-	15	15	-	10	10	25
July-23	PF	Pruning and training management in Guava	1	-	15	15	-	10	10	25
July-23	PF	Importance of organic fertilizers in fruit production	1	-	15	15	-	10	10	25
Aug-23	PF	Care and Management of newly established orchard	1	-	15	15	-	10	10	25
Sep-23	PF	Protected cultivation of vegetable	1	-	15	15	-	10	10	25
Oct-23	PF	Nursery management of vegetable crops through Low Tunnel Polyhouse	1	-	15	15	-	10	10	25
Nov-23	PF	Cultivation of papaya: a profitable venture	1	-	15	15	-	10	10	25
Nov-23	PF	Organic cultivation of vegetables	1	-	15	15	-	10	10	25
Dec-23	PF	Early cultivation of vegetable pea for higher remuneration	1	-	15	15	-	10	10	25

Annexure - II

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
					M	F	T	M	F	T	
Crop Production											
Pea	Seed Production	Seed Production of Pea for income generation	Oct 23	4	15	5	20	3	2	5	25
Vermicompost	Organic input	Vermicompost for employment	July 23	4	20	-	20	5	-	5	25
Plant Protection											
Bio pesticide	Income generate	Preparation of bio pesticide for income generation	Sept.-23	03	11	-	11	04	-	04	15
Mushroom	Income generate	Income generation through mushroom cultivation	Dec.-23	03	18	-	18	02	-	02	20
Animal Husbandry											
Poultry	Income generate	Commercial Poultry Farming	Aug-23	3	20	-	20	5	-	5	25
Animals	Income generate	Commercial Dairy farming	Oct-23	3	20	-	20	5	-	5	25
Home Science											
Value Addition	Nutritional Security	Self Employment through Value added product	Jan- 23	3	-	10	10	-	10	10	20
Tailoring and Stitching	Income generation	Employment through tailoring and stitching	Jun- 23	5	-	10	10	-	10	10	20

Horticulture											
Vegetable		Growing vegetable nursery: a source of income	Oct -23	4	10	-	10	5	-	5	15
Vegetable		Grading and packaging of vegetable crops for income generation	Dec- 23	4	10	-	10	5	-	5	15

Annexure – III

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										
Oct, 2023	In-Service	Crop Residue Management	02	15	-	15	5	-	5	20
May. 2023	In-Service	Organic Farming : Principle and Opportunity	02	15	-	15	5	-	5	20
Plant protection										
Oct.23	In-Service	Precaution for safe use of Agro-chemicals	02	18	-	18	02	-	02	20
Nov.23	In-Service	Integrated insect and disease management of Rabi pulses and oilseed	02	18	-	18	02	-	02	20
Animal Husbandry										
Dec-23	In-Service	Advances in dairy production and management	3	15	-	15	5	-	5	20
Home Science										
Aug 23	In-Service	Low – cost nutrient rich diet for children and women.	1	-	10	10	-	5	5	15
Agriculture Extension										
July-23	In-Service	Use and Importance of ICT in agriculture	01	20	-	20	05	-	05	25
Octo-23	In-Service	Risk Management in Agriculture - Methods and approach	01	20	-	20	05	-	05	25
Horticulture										
July -23	In-service	Rejuvenation methods for horticultural crops	2	-	10	10	-	5	5	15
Oct -23	In-service	Fundamentals of kitchen gardening	2	-	10	10	-	5	5	15

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

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DETAILS OF ACTION PLAN OF KVKs DURING 2023
(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
Krishi Vigyan Kendra, Chhata, Prayagraj-II Pin-212507 U.P.	Office	FAX	kvkprayagraj2@gmail.com	-
	-	-		

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

Address	Telephone		E mail	Website
	Office	FAX		
Vice Chancellor, Banda University of Agriculture and Technology, Banda - 210 001	05192-232305	05192-232305	vc.buat@gmail.com	buat.edu.in

1.2.b. Status of KVK website : No

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

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

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

Name	Telephone / Contact		
	Office	Mobile	E-mail
Dr. M.P Singh, In-charge/ Head	Chhata, Prayagraj-II	9451367358	kvkprayagraj2@gmail.com

1.4. Year of sanction: December, 2020

1.5. Staff Position (as on August 2022)

Sl. No.	Designation	Name of the incumbent	Discipline	Category	Scale	Grade Pay	Basic	Date of joining	Permanent/ Temporary	Gen/ SC/ ST/ OBC	Mobile	Email	Please attach a photograph
1	In-charge/ Head	Dr.Maheshwaree Prasad Singh	SMS	Agri. Extension	15600-39100	5400	84900	13.12.2017	Permanent	Gen	9451367358	maheshweeari@gmail.com	
2	Subject Matter Specialist	Dr. Himanshu Singh	SMS	Horticulture	15600-39100	5400	63100	21.12.2017	Permanent	Gen	8019946997	hvvhv7709@gmail.com	
3	Subject Matter Specialist	vacant											
4	Subject Matter Specialist	vacant											

5	Subject Matter Specialist	vacant											
6	Subject Matter Specialist	vacant											
7	Subject Matter Specialist	vacant											
8	Programme Assistant	vacant											
9	Farm Manager	vacant											
10	Computer Programmer	Vacant											
11	Accountant / Superintendent	vacant											
12	Stenographer	vacant											
13	Driver	vacant											
14	Driver	vacant											
15	Supporting staff	Kratika Tiwari	Supporting staff Grade - 1		18000-56900	1800	18000	05.07.2022	Permanent	Gen	9219253259	iamkritikatiwari@gmail.com	
16	Supporting staff												

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	-
2.	Under Demonstration Units	1.000
3.	Under Crops	6.920
4.	Horticulture	0.400
5.	Pond	0.400
6.	Others if any	0.927
	Total	**9.647**

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	-	-					
2.	Farmers Hostel	-	-	-	-	-	-	-
3.	Staff Quarters (6)	-	-					
4	Demonstration Units (2)	-	-					
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-
9	Other	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero Jeep	2022	8 lakh	345	Good
Tractor	-	-	-	-
Motor Cycle	-	-	-	-

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Photo Copy Machine	-	-	-
Computer + Printer	2022	80,000.00	Good
Over Head Projector	-	-	-
Almirah (6)	-	-	-
Other	-	-	-
Tractor Trolley (one)	-	-	-
Cultivator (one)	-	-	-
Labeler (one)	-	-	-
Zero till machine (one)	-	-	-
Harrow (one)	-	-	-
Computer Table (Two)	2022	-	-
Printer Table (one)	-	-	-
Computer Chair with Arm (Two)	-	-	-
Computer Chair Without Arm (Two)	-	-	-
Chief Executive Table (one)	2022	-	-
Executive Table (Eight)	-	-	-
Official Chair (Five)	-	-	-
Other Chair (Seventy Four)	-	-	-

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** In case of Agriculture crops Paddy has the largest share followed by Bajra, Arhar, Urd & Moong in declining order during the Kharif season. In Rabi, Wheat is pre dominant followed by pulses and oilseed. Among oilseed crops, Mustard has very less area under pure farming and is grown mainly as a mixed crop. Linseed dominates the oilseed scenario of the district and is mainly grown in Jamunapar area. In case of pulses gram has largest area followed by Pea and Lentil (Masoor). There is fairly good acreage under Barely.
2	**Horticulture** In case of Horticultural vegetable crops, the cultivation of Potato, Brinjal, Tomato, Ladies finger and the Pea are the main crops. Guava is the main horticulture fruit crop grown largely in Gangapar area. Watermelon (Hirminji) and Melon (Kharbuja) are largely grown in riverbed area of Gangapar. There is a vast scope for development of Horticulture as an enterprise.
3	**Animal Husbandry** Both big and medium farmers prefer to keep one or two live stocks. Overall Buffalo is preferred over cow but the Dwaba and Jamunapar area has preference for now. In Gangapar area both Cow and Buffalo are important. Some Scheduled Caste families are involved in pig keeping. Goat and Sheep are preferred in low-lying area. Poultry, Duckery, Fish Farming is catching up.

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.	**UP-8 Vindhyan Zone & UP-4 Central Plain Zone**	1. The district of Prayagraj belongs to the central plane zone of Uttar Pradesh. 2. Net cultivated land 353000 ha 3. Cropping intensity 162.61 per cent 4. Forest 9.22 per cent.

b) Topography

S. No.	Agro ecological situation	Characteristics
1	AES-1	Major soils of this AES loam (pH 7.8-8.1) Black course clay and it covered Shankargarh, Meja, Korav, Manda, Urua block
2	AES-2	Major soils of this AES Sandy loam & Jamuna Khadar (pH 7.3-7.8) and it covered Chaka, Jasra, Kasrcchana, Kaudhiara
3	AES-3	Major soils of this AES Ganga low land (pH 7.5-8.1) and it covered Pratap pur, phoolpur, Handia, Dhanupur, Saidabad block
4.	AES-4	Major soils of this AES Ganga plain (pH 7.3-8.1) and it covered Bahadurpur, Bahariya, Sorav, Holagarh, Mauaima, kaudihar block

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	**Alluvial plain (0-1% slope)**	1. Deep, loamy soils and slightly eroded 2. Deep, fine soils moderately saline and sodic associated with loamy soils, slightly eroded 3. Deep, fine soils and slightly eroded associated with loamy soils slightly saline and moderately sodic 4. Deep, fine soils and slightly eroded associated with loamy soils 5.Deep, silty soils with moderately salinity and sodicity associated with loamy soils with moderate salinity and sodicity and water logging 6.Deep, loamy soils with moderately water logging associated with loamy soils with slight salinity/sodicty 7.Deep, silty soils and slightly eroded associated with loamy soils slightly saline and slightly sodic 8. Deep, loamy soils and slightly eroded associated with loamy soils with moderate salinity and sodicity and moderate water logging. 9. Deep, silty soils associated with loamy soils slightly eroded 10. Deep, silty soils with moderate salinity/sodicity associated with loamy soils slightly eroded 11. Deep, loamy soils and slightly eroded associated with silty soils slightly saline/sodic and moderately sodic	
2	**Active Flood Plain (1-3% slope)**	1. Deep, sandy soils with moderate flooding associated with stratified loamy soils and slight flooding 2. .Deep, stratified loamy soils, with severe flooding associated with loamy soils with moderate flooding 3. Deep, sandy soils with slight flooding associated with stratified loamy soils and slight flooding	
3	**Vindhyan Ranges and Scrap Lands (Sand stone landscape) Moderately Steep slopes (15-30% slope)**	Shallow, loamy-skeletal soils and severely eroded associated with rock outcrops	
4	**Plateau (Sandstone on 1-3% slope)**	1. Moderately shallow, sandy-skeletal soils and very severely eroded associated with, loamy-skeletal soils and severely eroded 2. Moderately shallow, loamy soils and moderately eroded 3. Deep, loamy soils and moderately eroded associated with fine soils and moderately eroded 4..Deep, loamy soils and moderately eroded associated with moderately shallow loamy soils and moderately eroded20.Deep, fine smectitic soils and moderately eroded associated with moderately shallow loamy soils and moderately eroded21.Deep, fine smectitic soils and slightly eroded associated with loamy soils, slightly eroded.	

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

S. No	Crop	Area (ha)	Production (Q)	Productivity (Q. /ha)
1	Wheat	249902	7906730	31.63
2	Rice	156256.67	4912710	31.44
3	Pearl Millet	25959.33	312810	12.05
4	Maize	110.485	2550	23.08

5	Sorghum	4870.06	83960	17.24
6	Barley	2062	79590	38.59
7	Gram	10202	163820	16.05
8	Field Pea	2601	26850	10.32
9	Lentil	5047	68270	13.52
10	Linseed	798	2770	3.47
11	Mustard /Rai	1682	10720	6.37
12	Urd	3504	25614	7.31
13	Moong	4945	24725	5.00
14	Pigeon pea	16971.14	152190	9.01
15	Sesame	777.070	2440	3.14
16	Sugarcane	666	412830	619.86
17	Potato	12476	3204210	256.82

`Source: District agriculture department.

2.5. Weather data (2021)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January	15.5	20.25	8.00	90.87	58.55
February	4.5	26.00	10.25	87.10	49.34
March	0.0	33.25	13.75	80.35	47.65
April	0.0	36.25	27.25	79.57	38.00
May	0.0	45.3	29.30	79.51	34.77
June	2.0	40.5	29.8	79.93	36.83
July	328.5	33.7	27.2	91.19	59.03
August	165.0	33.0	27.10	91.65	55.65
September	295.5	32.2	25.5	88.20	50.67
October	141.0	31.4	21.6	91.55	51.16
November	0.0	30.10	16.10	90.83	55.67
December	16.4	21.30	9.00	92.39	60.65
Total	**968.4**				

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

Category	Population	Production	Productivity
Cattle	699417		
Buffalo	584550		
Sheep	128452		
Goats	299979		
Pigs	55885		
Crossbred	13372		
Indigenous	42513		
others	1007		
Poultry			
Hens	612629		
other	21252		
Category		Production (Q.)	Productivity
Fish (No. of Reservoir)	150	18674	124.493

*Statistical report

2.7 Details of Operational area / Villages

Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Phoolpur	Bahriya	Sitlapur	Rice, wheat, Jower, Bajara, Pea, Gram, Arhar, Mustard, Til, Carrot, Brinjal, Tomato, Potato, Gauva, Banana, Mauha, Muskmelon, Watermelon, Cucumber, Dairy & Goat keeping	• Lack of irrigation facility. • Problematic Soil. • Low fertility of soil. • Lack of improved seed. • Lack of knowledge & skill • Lack of promosing fruit plant • Lack of Promosing Breed. • Lack of employment	• Promotion of resource conservation technology. • Promotion of fertility Management practices. • Scientific Management of orchard & Promotion of seed production in vegetable and Cereal. • Breed Improvement. • Feeding Management. • Promotion of aromatic and medicinal plant cultivation. • Establishment of small scale enterprises through SHG's .
	Bahriya	Basrahi	Rice, Wheat, jower, Bajara, Arhar, Gram Toriya, Mustard, Carrot, Palak, Potato, beet root, Tomato, Guava, Dairy, Goat Keeping.	• Lack of irrigation facility. • Poor soil fertility. • Soil erosion. • Lack of improved Seed. • Lack of Knowledge & Skill. • Lack of promosing fruit plant • Lack of Promosing Breed. • Lack of employment.	• Promotion of resource conservation technology. • Promotion of fertility Management practices. • Scientific Management of orchard & Promotion of seed production in vegetable and Cereal. • Breed Improvement. • Feeding Management. • Promotion of aromatic and medicinal plant cultivation. • Establishment of small scale enterprises through SHG's .

2.8 Priority thrust areas

❖ Introduction of high yielding, short duration and salt tolerant varieties of cereals, pulses, oilseeds, and vegetables.
❖ Promotion of Resource conservation technologies
❖ Integrated farming for judicious use of farm resources, employment and income generation especially for marginal and small farmers through diversification of agriculture.
❖ Use of balance fertilizer with special emphasis on micro nutrient and cultures, Popularization of Vermi & NADEP compost and green manuring to nourish the soil and as part of integrated plant nutrient management.
❖ Formation and mobilization of farmers and farm women groups.

❖ Production and productivity improvement through IPM and IDM approach
❖ Development of cropping modules according to AES
❖ Increase livestock productivity by implementing Feed management, Breed Improvement, and health care.
❖ Promotion of protected cultivation practices in horticultural crops.
❖ Availability of Quality seed Pulses and planting material
❖ Reduction of post harvest losses and promotion of Value addition of agricultural and horticultural products.
❖ Drudgery reduction, Mal nutrition for empowerment of rural women.

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	38	84	274

Training		**Extension Activities**	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2370	210	6985

Seed Production (Qtl.)	**Planting material (Nos.)**	**Fish seed prod. (Nos)**	**Soil Samples**
(5)	(6)	(7)	(8)
310	20000		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 if any	Extension activities	Supply of seeds, planting materials etc.
1	Varietals Improvement	Paddy Wheat Mustard Tomato Okra Quail	Low yield of wheat due to unsuitable variety in salt prone area Low productivity of tomato due to poor nutrient management	Assessment of salt tolerant variety of Mustard- CS 58 in saline soil Assessing the Okra variety of yellow vein mosaic disease resistance for higher yield and return Assessment of new bird and income generating activity	Use of short duration hybrid paddy variety. Use of scented variety in sodic soil. Use of hybrid Bajra. Use of wheat Variety. Test of Newly released mustard variety. Use of leaf curled diseases resistant variety of chilli.	Importance of new variety of paddy and nursery raising. Importance of wheat variety according to time. Selection of variety for late sown oilseed and pulses crop.	Impact of climate change on crops	Field day Kisan Gosthi	Seed
2	Disease Management	Poultry/ Cattle's Wheat Potato Chickpea Tomato Chilly Goat Mango	Low Income in poultry boiler farming due to improper disease management. - Low yield due to pod borer infestation. - Low yield of tomato due to high incidence of leaf curl disease.	Improve health through use of UMMB and Increased Bwt. in same interval Effective suitable IDM options may manage the leaf and stem diseases in mango and profuse flowering and fruiting	Management of Anoestrus disease.	IDM in pulse crop IDM in potato crop Seed and soil born disease of rabi crops. IDM in summer vegetables IDM in urd and moog been crops Importance of FMD vaccine in dairy animals. Dairy animal management in hot humid condition.	Animal Health and Hygiene programme for Paravets. Information about bio control agent/ pest and disease of crops. .	Field day Animal Camp	

3	Cropping system	Rice/ Wheat Turmeric Banana							
4	Integrated Crop Management	Paddy Bitter guard Arhar Toria Moong bean	Low yield of paddy in salt prone area Low productivity due to un management of crop			- Package of Arhar cultivation. - Package and practice for Toria and Zaid season crop. - Management of Summer season vegetables.			
5	Production and Management technology	Banana Potato/ Maize							
6	Designing and development fro high nutrient deficiently diet	Cow & Buffalo Goat Women & Child	Low productivity of Milch Animal	Assessment of low cost nutritious weaning food for infants Assessment of the effect of creep ration on growth performance of kids		Feed management for dairy animals Home made ration for animals. Care and nutrition of adolescent girls. Introduction of high nutrient rich recipes.	Information about care and diet of pregnant women.		
7	Popularization of RCTs	Wheat Arhar Chilly Maize	High consumption of time and energy in extraction of granule maize and weed management in chilli	Use of wheel hand hoe in chilli.	Use of Zero till seed drill for sowing of wheat crop Use of Bed Planter for Sowing of Arhar Crop	Role of RCT in Crop cultivation. Use of Zero till seed drill in wheat sowing. Awareness about new irrigation system.			

8	Nutrient management	Paddy Sesame Okra Brinjal, Chilli Vegetable Pea	Low yield of Okra due to imbalance use of fertilizer.	Assessment of CSR-Bio on yield of Wheat in salt prone area	Use of Sulphar in Sesame Crop Use of Sulphar in Vegetable Pea	- IPNM in chill and brinjal. - Nutrient management in banana cultivation. - Nutrient management in different type of soil. - Importance of micro nutrient in late wheat variety. INM in okra and Paddy	Benefit of green manuring through Daincha.	Field day Soil Health Camp	Soil Health Card.
9	Weed management	Chick pea Urd			Use of pre emergence herbicide	Method for application of pre emergence herbicide in rabi crops.			
10	Inter household food Security	Vegetables			Establishment Kitchen gardening for nutrition fulfillment in rural areas	Information about kitchen garden management.. Preservation of green leafy vegetables.			
11	Integrated pest management	Paddy Brinjal	Increasing incidence of stem borer and leaf folder often less management of their incidence at farmer level	Assessment of IPM Approach for Fruit and Shoot borer in brinjal		IPM in Rabi crops. IPM in Paddy, Wheat and Solanacious crop Pest Management in summer vegetables.	- Safe and judicious use of pesticide.		

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
Integrated Nutrient Management	1									1
Drudgery reduction					1					1
Value addition	1									1
Integrated Disease Management			1		1	1				3
TOTAL	**3**	**1**	**1**		**2**	**1**				**8**

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
TOTAL										

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormiculture	Fisheries	TOTAL
Nutrition Management				1				1
TOTAL				1				1

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
TOTAL								

B. Details of On Farm Trial

OFT-1

1	Crop/Enter prizes	:	Paddy
2	Title of on farm trial	:	Assessment of Salt tolerant variety of Paddy in Sodic Soil.
3	Problem Diagnosed	:	Low yield of Paddy due to unsuitable variety.
4.	Farmer situation	:	Irrigated
5.	Production system and thematic area	:	Varietal Evaluation
6.	Farmers practice	:	Use of unsuitable variety of paddy in Salt prone area
7.	Details of technologies selected for assessment/refinement	:	T1- Farmers practices (Pant NDR 359) T- Use of variety CSR 56 with bio formulation
8.	Source of technology	:	ICAR-CSSRI, Kernal
9.	No. of farmers	:	4
10.	Critical input	:	Seed
11.	Performance indicators Technical: Economic: Social:	:	Soil test (pre & post) Yield Q/ha. Gross return , Net return C:B ratio Acceptability and degree of success

OFT-2

1	Crop/Enterprises		Mungbean
2	Title of On Farm Trial		Assessment of management practice of *Cercospora* leaf spot of *Zaid* mungbean
3	Problem Diagnosed		Low yield due to loss caused by disease, Area in district 2.0 ha, productivity 5.0 q/ha
4	Farming situation		Irrigated
5	Production system and thematic area		IDM
6	Farmers Practices		T_1 - No use of fungicide
7	Details of technologies selected for assessment/refinement		T_2 – Deep summer ploughing+ seed treatment with *Trichoderma viride*@ 6 g/kg seed + foliar spray of hexaconazole @ 0.075% at 30 and 45 DAS.
8	Source of technology		UAS, Dharwad
9	No. of farmers		4
10	Cost		Rs. 5000
11	Critical input		Bio-fungicides and chemical
12	Performance indicators Technical: Economic: Social:		 No. of infected plants /m^2 Grain yield kg/ha Cost of cultivation, gross income, net income, B:C ratio Acceptability and degree of success

OFT- 3

	Crop / Enterprise		Guava
1	Title of on farm trial		Study the effect of bio-agent on management of Guava Wilt
2	Problem diagnosed		Low yield and medium quality of fruits
3	Farmers' Practices		**T_0**- No use of bio-agent
4	Details of technologies selected for assessment/refinement		**T_1**- Use of fungiside (Propiconazole + Carbendazim (2g/lit) **T_2**- Use of Trichoderma Viridi @ 1 to 1.5 kg with 15 kg. FYM.
5	Source of technology		CSAUAT, Kanpur
6	Plot size		5 plants at each farmer's field
7	No. of farmers		5
8	Total cost		Rs.4000/-
9	Critical input		Fungicide (Propiconazole + Carbendazim) & Trcichoderma Viridi
10	Performance indicators: (i) Technical (ii) Economic (iii) Social		Gage of plant, Fruiting, Yield (Qtl./ha.) Gross return, Net return, B:C ratio Acceptability

OFT-4

	Crop / Enterprise		Sponge gourd
1	Title of on farm trial		Assessment of downy mildew, powdery mildew and sponge gourd mosaic virus resistance variety
2	Problem diagnosed		Low yield and medium quality due to downy mildew, powdery mildew and sponge gourd mosaic virus diseases
3	Farmers' Practices		**T_1**- No use of disease resistance variety
4	Details of technologies selected for assessment/refinement		**T_2**. Kashi Shreya / Kashi saumya (VRSGH-3)
5	Source of technology		IIVR, Varanasi
6	Plot size		0.2 ha.
7	No. of farmers		5
8	Total cost		Rs.5000/-
9	Critical input		Seed
10	Performance indicators: (i) Technical (ii) Economic (iii) Social		Fruit weight, fruit size & yield (Qtl./ha.) Gross return, Net return, B:C ratio Acceptability

OFT – 5

1	Crop/Enter prizes	:	Low cost nutritious weaning food
2	Title of on farm trial	:	Assessment of low cost nutritious weaning food for infants.
3	Problem Diagnosed	:	Malnutrition among infants (06 month age group)
4.	Farmer situation	:	No use of weaning food
5.	Production system and thematic area	:	Child care
6.	Existing practice	:	T_1 - Traditional practice – milk feeding
7.	Details of technologies selected for assessment/refinement	:	T_2 - Prepared weaning food (wheat-55 gm + Bengal Gram -20 gm + linseed-05 gm + potato powder-20 gm) + milk (For three months)
8.	Source of technology	:	SHUAT, Allahabad, Uttar Pradesh
9.	No. of family(Infants)	:	4
10.	Critical input/ expected budget	:	Weaning food packets (Rs. 3000)
11.	Performance indicators Technical: Economic: Social:	:	Nutritional assessment of infants Body weight (Kg)/month Body growth /month Cost of weaning food Acceptability of weaning food

OFT-6

1	Crop/ Enterprises		Chilly
2	Title of on farm trial		High consumption of time and labour cost in weed management of Chilly
3	Problem Diagnosed		Use of wheel hand hoe for drudgery reduction.
4.	Farming situation		Irrigated
5.	Production system and thematic area		Location specification drudgery reduction.
6.	Farmers practice		Use of khurpi
7.	Details of technologies selected for assessment/refinement		Farm implement **wheel hand hoe**
8.	Source of technology		SHIATS Allahabad
9.	No. of farmers		4
10.	Critical input / expected budget		**Wheel hand hoe**
11.	Performance indicators		
	Technical:		Time and tool factor
	Economic:		Cost of labour, C:B ratio
	Social:		Acceptability

OFT-7

1	Crop/Enter prizes		Goat
2	Title of on farm trial		Assessment of the effect of creep ration on growth performance of kids
3	Problem Diagnosed		Poor growth of kids due to improper feeding and High mortality
4.	Farmer situation		Rainfed
5.	Production system and thematic area		Livestock and Nutrition Management
6.	Farmers practice		T_{1-} Open grazing and no feeding of creep ration
7.	Details of technologies selected for assessment/refinement		T_2 –Concentrate feeding of CP 18 to 20 % as per CIRG guideline (for 3 month) (Maize 40% , groundnut cake 30%, Wheat bran 10%, Rice bran 13%, Molasses 5%, mineral mixture 2 %, Salt 1%, Vitamin A,B2 and D3)
8.	Source of technology		CIRG, Makhdoom
9.	No. of farmers		4
10.	Critical input and cost		Concentrate feeding (Creep ration) Rs. 2500
11.	Performance indicators Technical: Economic: Social:		 Weight gain / month To compare the B : C Ratio Easily acceptable by Farmers .

OFT-8

1	Crop/Enter prizes	:	Wheat
2	Title of on farm trial	:	Low yield of Wheat due to no use of Bio-agent in salt prone area
3	Problem Diagnosed	:	Application of bio-agent in salt prone area for better yield
4.	Farmer situation	:	Irrigated
5.	Production system and thematic area	:	Nutrient Management
6.	Farmers practice	:	No use of bio-agent in salt prone area
7.	Details of technologies selected for assessment/refinement	:	T1- Farmer Practice –No use of bio-fertilisers T2- Basal application of CSR-bio @ 20 kg/ha before sowing + spray of CSR – bio liquid 3 lit./ha.
8.	Source of technology	:	CSSRI, Lucknow
9.	No. of farmers	:	04
10.	Critical input	:	Seed & CSR-bio
11.	Performance indicators	:	
	Technical:		Soil test (pre & post) Effective shoots % Yield Q/ha.
	Economic:		Gross return C:B ratio
	Social:		Acceptability and degree of success

OFT-9

1	Crop/Enter prizes	:	Mustard
2	Title of on farm trial	:	Low yield of Mustard in salt prone area
3	Problem Diagnosed	:	Evaluation of salt tolerant variety of Mustard
4.	Farmer situation	:	Irrigated
5.	Production system and thematic area	:	Varietal screening
6.	Farmers practice	:	Use of Unsuitable variety of Mustard in sodic soil
7.	Details of technologies selected for assessment/refinement	:	T1- Use of local variety-varuna T2- Use of salt tolerant variety of Mustard- CS 60
8.	Source of technology	:	CSSRI, Karnal
9.	No. of farmers	:	04
10.	Critical input	:	Seed & chemical
11.	Performance indicators	:	
	Technical:		Soil test (pre & post) Yield Q/ha.
	Economic:		Gross return C:B ratio
	Social:		Acceptability and degree of success

3.2 Frontline Demonstrations

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

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
1	Paddy	CSR 46/ CSR 56	Varietals improvement	Use of salt tolerant variety of paddy	Seed, Chemical	Kharif, 2023	10 ha	25	No of tillers / hill Yield Q/ ha. Cost of Cultivation. Cost of yield. Profit

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/ demonstration	Parameters identified
(A)	**Oilseed Crops**								
1	Sesame	GJT-5	ICM/ Varietal evaluation	Improved Seed	Seed, fungicide, insecticide	*Kharif* , 2023	10	25	Yield & C : B ratio
2	Mustard	RH-725/ Giriraj	ICM/ Varietal evaluation	Improved Seed	Seed, fungicide, insecticide	*Rabi* , 2023-24	10	25	Yield & C : B ratio
(B)	**Pulse Crops**								
1	Chickpea	GNG 1958 JG-36,	ICM/Varietal evaluation	Improved Variety	Seed, fungicide, insecticide	*Rabi* , 2023-24	10	25	Yield & C : B ratio
2	Field pea	IPFD 10-12 IPFD 12-8	ICM/Varietal evaluation	Improved Variety	Seed, fungicide, insecticide	*Rabi* , 2023-24	10	25	Yield & C : B ratio
3	Black gram	Pratap Urd-1	ICM/Varietal evaluation	Improved Variety	Seed, fungicide, insecticide	Zaid ,2023	10	25	Yield & C : B ratio
4	Green gram	Shikha (IPM 410-3)	ICM/Varietal evaluation	Improved Variety	Seed, fungicide, insecticide	Zaid ,2023	10	25	Yield & C : B ratio
(C)	**Other than Oil seed & Pulses**								
8.	Okra	Kashi Sristi	Crop management	Raised bed cultivation	Seedling	Summer , 2023	1	10	Yield & C : B ratio
9.	Tomato	Kashi Aman	Crop management	Raised bed cultivation	Seedling	Post Kharif, 2023	1	10	Yield & C : B ratio
10.	Wheat	KRL 210/KRL 283	Varietal evaluation	Use of salt tolerant and short duration	Seed	*Rabi* , 2023-24	10	25	Yield & C : B ratio
11	Daincha		Green manure	Use of Daincha in fertility management	Seed	*Zaid 2023*	1	4	Yield & C : B ratio

12.	Winter and summer season vegetables		Household food security.	Kitchen garden	Improved Seeds	Winter and summer vegetable 2023	800 sq. meter	10	Nutritional gain. Economical gain. C. B. ratio
(D)	**livestock production and management**								
13.	Fodder crop	Napier, M.P. Chari, berseem, oat,	Fodder Management	Around the Year Green Fodder Production.	Fodder seeds	Around the year	1 ha.	20	- Requirement of green fodder pe day/animal. - Yield of green fodder/ha. - Cost of cultivatio C:B Ratio.
14.	Goat		Disease Management	Deworming	Dewormer	Before and Afte rainy season	-	20	- Mortality rate in untreated anima and mortality ra in treated anima - C:B Ratio.
					Total		**84**	**274**	

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	5	Round the year	150
2	Farmers Training	8	Round the year	200
3	Media coverage	10	Round the year	-
4	Training for extension functionaries	2	Round the year	80

C. Details of FLD on Enterprises

(i) Farm Implements

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

(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):

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	30	0	30	20	0	20	50
Seed production	1	15	0	15	10	0	10	25
Integrated Crop Management	2	30	0	30	20	0	20	50
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	30	0	30	20	0	20	50
Off-season vegetables	1	15		15	10		10	25
Protective cultivation (Green Houses, Shade Net etc.)	1	15		15	10		10	25
b) Fruits								
Layout and Management of Orchards	1	15		15	10		10	25
Rejuvenation of old orchards	1	15		15	10		10	25
Plant propagation techniques	1	15		15	10		10	25
c) Ornamental Plants								
d) Plantation crops								
e) Tuber crops								
f) Spices								
g) Medicinal and Aromatic Plants								
III Soil Health and Fertility Management								
Soil and Water Conservation	1	15		15	10		10	25
Integrated Nutrient Management	1	15		15	10		10	25
Production and use of organic inputs	1	15		15	10		10	25
Management of Problematic soils	1	15		15	10		10	25
Soil and Water Testing	1	15		15	10		10	25
IV Livestock Production and Management								
Dairy Management	1	15		15	10		10	25
Feed management	2	30		30	20		20	50
Production of quality animal products	1	15		15	10		10	25
V Home Science/Women empowerment								
Income generation activities for empowerment of rural Women	2		30	30		20	20	50
Rural Crafts	2		30	30		20	20	50
VI Agril. Engineering								
VII Plant Protection								
Integrated Pest Management	1	15		15	10		10	25
Integrated Disease Management	1	15		15	10		10	25
Bio-control of pests and diseases	1	15		15	10		10	25
VIII Fisheries								
IX Production of Inputs at site								
X Capacity Building and Group Dynamics								
Leadership development	1	15		15	10		10	25
Group dynamics	2	30		30	20		20	50
Formation and Management of SHGs	1	15		15	10		10	25
Mobilization of social capital	1	15		15	10		10	25

XI Agro-forestry								
XII Others (Pl. Specify)								
TOTAL	**33**	**435**	**60**	**495**	**290**	**40**	**330**	**825**
(B) RURAL YOUTH								
Mushroom Production	1	10		10	5		5	15
Seed production	1	10		10	5		5	15
Vermi-culture	1	10		10	5		5	15
Protected cultivation of vegetable crops	1	10		10	5		5	15
Nursery Management of Horticulture crops	1	8		8	7		7	15
Value addition	1		10	10		5	5	15
Sheep and goat rearing	1	10		10	5		5	15
Poultry production	1	8		8	7		7	15
Tailoring and Stitching	1		10	10		5	5	15
TOTAL	**9**	**66**	**20**	**86**	**39**	**10**	**49**	**135**
(C) Extension Personnel								
TOTAL								
G. Total	**42**	**501**	**80**	**581**	**329**	**50**	**379**	**960**

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	3	45		45	30		30	75
Water management	2	30		30	20		20	50
Seed production	2	30		30	20		20	50
Integrated Crop Management	1	15		15	10		10	25
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	4	60		60	40		40	100
Off-season vegetables	1	15		15	10		10	25
Nursery raising	2	30		30	20		20	50
b) Fruits								
Layout and Management of Orchards	1	15		15	10		10	25
Plant propagation techniques	1	15		15	10		10	25
c) Ornamental Plants								
d) Plantation crops								
e) Tuber crops								
f) Spices								
g) Medicinal and Aromatic Plants								
III Soil Health and Fertility Management								
Soil fertility management	1	15	15		10		10	25
Production and use of organic inputs	1	15	15		10		10	25
Soil and Water Testing	1	15	15		10		10	25
IV Livestock Production and Management								
Dairy Management	4	60		60	40		40	100
Poultry Management	1	15		15	10		10	25
Disease Management	4	60		60	40		40	100

V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1		15	15		10	10	25
Design and development of low/minimum cost diet	1		15	15		10	10	25
Value addition	1		15	15		10	10	25
Women and child care	3		45	45		30	30	75
VI Agril. Engineering								
VII Plant Protection								
Integrated Pest Management	3	45		45	30		30	75
Integrated Disease Management	4	60		60	40		40	100
Production of bio control agents and bio pesticides	1	15		15	10		10	25
VIII Fisheries								
IX Production of Inputs at site								
X Capacity Building and Group Dynamics								
Leadership development	1	25		25	10		10	25
Group dynamics	3	75		75	30		30	75
Mobilization of social capital	3	75		75	30		30	75
XI Agro-forestry								
XII Others (Pl. Specify)								
TOTAL	**50**	**630**	**125**	**750**	**440**	**60**	**500**	**1250**
(B) RURAL YOUTH								
TOTAL								
(C) Extension Personnel								
Productivity enhancement in field crops	1	15		15	5		5	20
Rejuvenation of old orchards	1	15		15	5		5	20
Protected cultivation technology	1	15		15	5		5	20
Capacity building for ICT application	1	15		15	5		5	20
Management in farm animals	1	15		15	5		5	20
Livestock feed and fodder production	1	15		15	5		5	20
Women and Child care	1		15	15		5	5	20
Production and use of organic inputs	1	15		15	5		5	20
TOTAL	**8**	**105**	**15**	**120**	**35**	**5**	**40**	**160**
G. Total	**58**	**735**	**140**	**875**	**475**	**65**	**540**	**1410**

C) Consolidated (On and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	5	75		75	50	0	50	125
Integrated Farming								
Water management	2	30		30	20	0	20	50
Seed production	3	45		45	30	0	30	75
Integrated Crop Management	3	45		45	30	0	30	75
Total	**13**	**195**		**195**	**130**	**0**	**130**	**325**

II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	6	90	0	90	60	0	60	150
Off-season vegetables	2	30	0	30	20	0	20	50
Nursery raising	2	30	0	30	20	0	20	50
Protective cultivation (Green Houses, Shade Net etc.)	1	15	0	15	10	0	10	25
b) Fruits								
Layout and Management of Orchards	2	30	0	30	20	0	20	50
Rejuvenation of old orchards	1	15	0	15	10	0	10	25
Plant propagation techniques	2	30	0	30	20	0	20	50
c) Ornamental Plants								
d) Plantation crops								
e) Tuber crops								
f) Spices								
g) Medicinal and Aromatic Plants								
Total	**16**	**240**	**0**	**240**	**160**	**0**	**160**	**400**
III Soil Health and Fertility Management								
Soil fertility management	1	15	0	15	10	0	10	25
Soil and Water Conservation	1	15	0	15	10	0	10	25
Integrated Nutrient Management	1	15	0	15	10	0	10	25
Production and use of organic inputs	2	30	0	30	20	0	20	50
Management of Problematic soils	1	15	0	15	10	0	10	25
Soil and Water Testing	2	30	0	30	20	0	20	50
Total	**8**	**120**	**0**	**120**	**80**	**0**	**80**	**200**
VI Livestock and management								
Dairy Management	5	75		75	50	0	50	125
Poultry Management	1	15	0	15	10	0	10	25
Piggery Management	4	60	0	60	40	0	40	100
Feed management	2	30	0	30	20	0	20	50
Production of quality animal products	1	15	0	15	10	0	10	25
Total	**13**	**195**	**0**	**195**	**130**	**0**	**130**	**325**
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	15	0	15	10	0	10	25
Designing and development for high nutrient efficiency diet	1	15	0	15	10	0	10	25
Value addition	1	15	0	15	10	0	10	25
Income generation activities for empowerment of rural Women	2	30	0	30	20	0	20	50
Rural Crafts	2	30	0	30	20	0	20	50
Women and child care	3	45		45	30		30	75
Total	**10**	**150**	**0**	**150**	**100**	**0**	**100**	**250**
VI Agril. Engineering								
VII Plant Protection								
Integrated Pest Management	4	60	0	60	40	0	40	100
Integrated Disease Management	5	75		75	50	0	50	125
Bio-control of pests and diseases	1	15	0	15	10	0	10	25
Production of bio control agents and bio pesticides	1	15	0	15	10	0	10	25
Total	**11**	**165**	**0**	**165**	**110**	**0**	**110**	**275**

VIII Fisheries								
IX Production of Inputs at site								
X Capacity Building and Group Dynamics								
Leadership development	2	30	0	30	20	0	20	50
Group dynamics	5	75		75	50	0	50	125
Formation and Management of SHGs(HS)	1	15	0	15	10	0	10	25
Mobilization of social capital	4	60	0	60	40	0	40	100
Total	**12**	**180**	**0**	**180**	**120**	**0**	**120**	**300**
XI Agro-forestry								
XII Others (Pl. Specify)								
TOTAL	**83**	**1245**	**0**	**1245**	**830**	**0**	**830**	**2075**
(B) RURAL YOUTH								
Mushroom Production	1	10		10	5		5	15
Seed production	1	10		10	5		5	15
Vermi-culture	1	10		10	5		5	15
Protected cultivation of vegetable crops	1	10		10	5		5	15
Nursery Management of Horticulture crops	1	8		8	7		7	15
Value addition	1		10	10		5	5	15
Sheep and goat rearing	1	10		10	5		5	15
Poultry production	1	8		8	7		7	15
Tailoring and Stitching	1		10	10		5	5	15
TOTAL	**9**	**66**	**20**	**86**	**39**	**10**	**49**	**135**
(C) Extension Personnel								
Productivity enhancement in field crops	1	15		15	5		5	20
Rejuvenation of old orchards	1	15		15	5		5	20
Protected cultivation technology	1	15		15	5		5	20
Capacity building for ICT application	1	15		15	5		5	20
Management in farm animals	1	15		15	5		5	20
Livestock feed and fodder production	1	15		15	5		5	20
Women and Child care	1		15	15		5	5	20
Production and use of organic inputs	1	15		15	5		5	20
TOTAL	**8**	**105**	**15**	**120**	**35**	**5**	**40**	**160**
Grant Total	**100**	**1416**	**35**	**1451**	**904**	**15**	**919**	**2370**

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	200	50	250	23	5	28	223	55	278
Kisan Mela	1	250	50	300	30	10	40	280	60	340
Kisan Gosthi	3	300	50	350	25	5	30	325	55	380
Exhibition	2	150	50	200	10	2	12	160	52	212
Film Show	2	200	50	250	5	2	7	205	52	257
Group meetings	10	120	10	130	8	2	10	128	12	140
Lectures delivered as resource persons	50	1250	250	1500	100	25	125	1350	275	1625
Newspaper coverage	30									
Radio talks	7									

TV talks	5									
Popular articles	6									
Extension Literature	6									
Advisory Services										
Scientific visit to farmers field	50	400	50	450	60	20	80	460	70	530
Farmers visit to KVK	1	550	200	750				550	200	750
Diagnostic visits	5	15	5	20	5	1	6	20	6	26
Exposure visits	2	50	10	60	5	1	6	55	6	61
Soil health Camp	2	150	50	200	10	2	12	160	52	212
Animal Health Camp	2	70	20	90	10	5	15	80	25	105
Soil test campaigns	2	100	10	110	10	2	12	110	12	122
Farm Science Club Conveners meet	1	15		15	2		2	17		17
Self Help Group Conveners meetings	2		50	50	2	2	4	2	52	54
Celebration of important days (specify)	6	600	100	700	30	10	40	630	110	740
Any Other (Specify)	2	200	50	250	10	2	12	210	52	262
Parthennium awareness week	1	200	50	250	10	2	12	210	52	262
Swachhata Pakhawara	2	500	100	600	10	2	12	510	102	612
Total	**210**	**5320**	**1205**	**6525**	**365**	**100**	**465**	**5685**	**1300**	**6985**

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Wheat	KRL 210,KRL 283	75
	Paddy	CSR 46 and CSR 56, SHUATS Dhan 1	200
OILSEEDS			
	CS 60		10
PULSES			
	Black gram	Pratap Urd -1	10
	Green gram	Shikha	10
VEGETABLES			
OTHERS (Specify)			
	Daincha		5
		Total	**310**

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS			
	Karonda	Purple	100
SPICES	Onion	ALR	20000

VEGETABLES	Tomato	Hybrids	2000
	Brinjal	Hybrids	2000
	Chilli	Hybrids	1000
	Cabbage	Hybrids	2000
	Cauliflower	Hybrids	3000
	Broccoli	Hybrids	2000
FOREST SPECIES			
	Neem		500
ORNAMENTAL CROPS	Marigold	Pusa Basanti, Pusa Narangi	1000
		Total	**33600**

Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1	Enriched vermicompost	Jai Gopal		500
2	Jeevamrit (l)			500

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
GOAT				
SHEEP				
POULTRY				
Pig farming				
FISHERIES				

2.6. 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	2
4	Training manual all discipline	
5	Popular article	2
6	Extension literature	5
	Total	**14**

(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	Extension activity	2

3.7. Success stories/Case studies identified for development as a case. - 02

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

Need assessment is based on observation PRA (Participatory rural appraisal) and household survey method. In PRA a multidisciplinary team of scientist gathered information and establishment rapport with the local community.

PRA is a methodology for interacting with villagers, under standing them and learning for them. It can form a basis for need assessment it can touch upon the problems faced by villagers in running of programmes with identification of problems, operation of projects. The following PRA method has been used in need analysis

a) Primary and Secondary data review
b) Direct observation
c) Social and resource mapping
d) Transact walk.
e) Semi-structured interview.
f) Historical transact.
g) Ranking and scouring.

After the identification of training needs, it is prioritized and selected for specific action as part of training programmes.

-In-service personnel

Before the development and organized training programme for extension personnel training needs was assessed. Firstly, analysis the job of extension functionaries what actually the the extension worker is doing and what job should be done by him keeping in view the specific knowledge and skill required for performing his role. Secondly, Task and skill also be analyzed before the training programme.

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT :

Before identifying OFT programmes, existing problems of farmers in defined area will be diagnosed. After that we study the farmer's circumstances and farmer's practices. After those problems and their causes will be analyze and list out the possible solutions. Screen out possible solutions on the basis of their feasibility, sustainability and farming system compatibility.

For FLD :

Identification of FLD agreement, knowledge about surrounding area, villages and farms, farming situation, resources, cropping system, productivity of measures crop, major issues and problems will be collected through PRA tools. Exchange information with local extension worker, then proven technology selected that suitable to fit in the existing farming situation of the area. We also consult the researchers who are responsible for release of technology.

3.10 Field activities

i. Name of villages identified/adopted with block name (from which year) -
    1. Basrahi, Block- Bahariya (2021- 22)
    2. Sitlapur, Block- Bahariya (2021-22)
ii. No. of farm families selected per village : 50
iii. No. of survey/PRA conducted : 02

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab: Nil

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	1000	1000	20	
Water				
Plant				
Total	**1000**	**1000**	**20**	

4.0 LINKAGES

4.1 Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1.	Department of Agriculture, Prayagraj	Training and Technical Support
2.	Department of Horticulture, Prayagraj	Training and Technical Support
3.	IFFCO, (CORDET)	Soil Testing
4.	CSAUA&T, Kanpur	Seed
5.	ICAR-Indian Institute of Pulses Research, Kanpur	Seed
6.	SHUATS, Prayagraj	Training & planting material

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage
1		
2		

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1		
2		

4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		
2		

5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1		
2		
3		
4		
	Total	

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 :

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
June	PF/ FW	Improved seed production technology of cereals and pulses	1	25		25	10		10	25
July		Integrated Weed Management in Pigeon pea	1	25		25	10		10	25
Oct		Improved Production Technology of oilseed crops	1	25		25	10		10	25
Nov		Cultivation technique of wheat in sodic soil	1	25		25	10		10	25
Feb		Integrated Weed Management For Pulse Crop	1	25		25	10		10	25
Horticulture										
April	PF	Nutrient management in chilly Brinjal and Cucurbits	1	25		25	10		10	25
May	PF	Hast Bahar Management in Guava orchard	1	25		25	10		10	25
June	PF	Need and techniques of nursery raising of cucurbitaceous crop	1	25		25	10		10	25
July	PF	Rejuvenation and Vegetative of old guava orchard	1	25		25	10		10	25
Oct.	PF	Scientific Cultivation of Rabi Onion	1	25		25	10		10	25
Nov.	PF	Importance of micro-irrigation system for horticultural crop	1	25		25	10		10	25
Feb.	PF	Improved cultivation practices of summer okra	1	25		25	10		10	25
Livestock production.										
June	PF	Cleaning and Sanitation of dairy farm	1	25		25	10		10	25
Aug.	PF	Silage making	1	25		25	10		10	25
Dec.	PF	Preparation of balance ration for Dairy Animals	1	25		25	10		10	25
Feb	PF	Evaluation of animal with object to purchase	1	25		25	10		10	25
Agril. Extension.										
May	PF	Motivational training of SHGs members	1	25		25	10		10	25
June	PF	Awareness about improved agricultural technologies	1	25		25	10		10	25
July	PF	Formation of FIG's and its role of rural development	1	25		25	10		10	25
Sept.	PF	Importance of KCC and bank loan to economic empowerment of villagers	1	25		25	10		10	25
Feb	PF	Participation seed production technology	1	25		25	10		10	25

Home Science										
May	FW	Income generation through paper craft	1	-	25	25	-	10	10	25
August	FW	Pot decoration: a rural craft for enhancing income	1	-	25	25	-	10	10	25
Nov	FW	Crafts from waste material for income generation	1	-	25	25	-	10	10	25
Jan	FW	stitching art as a source of income generation	1	-	25	25	-	10	10	25
Plan protection										
May	PF	Integrated Pest Management in summer vegetables	1	25		25	10		10	25
July	PF	Integrated Disease Management in Zaid crops	1	25		25	10		10	25
January	PF	Pest and disease management through bio-control agents	1	25		25	10		10	25
Soil Health										
June	PF	Rain water management	1	25		25	10		10	25
Oct.		INM in rabi pulses	1	25		25	10		10	25
Nov.		Production of organic manures	1	25		25	10		10	25
July		Improvement of soil fertility through green manuring	1	25		25	10		10	25
April		Importance of soil testing in crop production	1	25		25	10		10	25

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
April	PF	Integrated weed management in Urd and moong	1	25		25	10		10	25
June	PF	Improved seed Production Technology of Paddy	1	25		25	10		10	25
Sept.	PF	Improved cultivation techniques in mustard	1	25		25	10		10	25
Oct.	PF	Improved seed Production Technology of Pulses	1	25		25	10		10	25
Nov.	PF	Integrated weed management for pulses	1	25		25	10		10	25
Dec.	PF	Irrigation management in sodic soil	1	25		25	10		10	25
Jan.	PF	Integrated weed management in Wheat	1	25		25	10		10	25
Feb	PF	Irrigation management For Pulses	1	25		25	10		10	25
Horticulture										
April	PF	Management of summer vegetables	1	25		25	10		10	25
May	PF	Layout of new orchard	1	25		25	10		10	25
June	PF	Scientific cultivation of Kharif onion	1	25		25	10		10	25
July	PF	Propagation & Planting technique of fruit plants	1	25		25	10		10	25
Aug.	PF	Nursery management of vegetable crops	1	25		25	10		10	25

Sep.	PF	Improved cultivation practices of hybrid tomato	1	25		25	10		10	25
Oct.	PF	Scientific Cultivation of cole crops	1	25		25	10		10	25
Nov..	PF	Improved cultivation techniques of brinjal	1	25		25	10		10	25
Dec.	PF	Nursery management of cucurbits for advance season production	1	25		25	10		10	25
Feb.	PF	Production techniques in summer vegetables	1	25		25	10		10	25
Live Stock Production.										
May	PF	Management of heat stroke	1	25		25	10		10	25
June	PF	Artificial insemination in animals	1	25		25	10		10	25
July	PF	Vaccination in animals and its economical importance	1	25		25	10		10	25
August	PF	Poultry production	1	25		25	10		10	25
September	PF	Anoestrus in buffalo and its solution	1	25		25	10		10	25
Oct.	PF	Control of ecto & endo parasites in animals	1	25		25	10		10	25
Nov.	PF	Scientific Breeding & Reproduction Management in Dairy Animals	1	25		25	10		10	25
Jan	PF	Scientific rearing management of buffalo calves	1	25		25	10		10	25
March	PF	Management and feeding practices of dairy animals	1	25		25	10		10	25
Agril. Extension										
April	PF	Leadership development	1	25		25	10		10	25
May	PF	Awareness about govt. scheme related to farming communities	1	25		25	10		10	25
June	PF	Motivational training of FIGs members	1	25		25	10		10	25
July	PF	Awareness & care in use of kisan credit card	1	25		25	10		10	25
Sept	PF	Importance of sanitation in plant and human health	1	25		25	10		10	25
Oct.	PF	Participatory seed production technology	1	25		25	10		10	25
Nov.	PF	Awareness of effect of excessive use of chemicals for human beings	1	25		25	10		10	25
Home science										
April	FW	Importance of nutritional garden	1	-	25	25	-	10	10	25
July	FW	Rural Health and Sanitation	1	-	25	25	-	10	10	25
August	FW	Preparation of low cost diet for children	1	-	25	25	-	10	10	25
Sept.	FW	Awareness and nutritional management for adolescent girls to prevent Anemia	1	-	25	25	-	10	10	25
Oct.	FW	Management and preventive measures against malnutrition among children	1	-	25	25	-	10	10	25
Feb.	FW	Products of tomato and its Value addition	1	-	25	25	-	10	10	25

Plant Protection										
April	PF	Safe storage of grains	1	25		25	10		10	25
May	PF	Integrated pest management in summer vegetables	1	25		25	10		10	25
June	PF	Integrated disease management of vegetables	1	25		25	10		10	25
July	PF	Importance of seed treatment in Kharif crops	1	25		25	10		10	25
August	PF	IDM in mung bean	1	25		25	10		10	25
September	PF	IPM in urd bean	1	25		25	10		10	25
October	PF	Soil and seed treatment in Rabi crops	1	25		25	10		10	25
December	PF	Production of bio control agents and bio pesticides	1	25		25	10		10	25
Soil health										
May	PF	Importance of soil testing technology in crop production	1	25		25	10		10	25
June		Role of Daincha crop in enhancement of soil fertility of sodic soil	1	25		25	10		10	25
July		Application of Gypsum in sodic soil	1	25		25	10		10	25

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Vegetable Seed Production	RY	Techniques of vegetable seed production	July	5	8		8	7		7	15
Goat rearing		Scientific Goat Rearing	Sep	5	10		10	5		5	15
Protected cultivation		Protected Cultivation Technology	Nov	5	10		10	5		5	15
Poultry		Back-yard Poultry	Dec	5	8		8	7		7	15
Income generating activity		mushroom production	Oct.	5	10		10	5		5	15
Natural Farming		Preparation of Jeevamrit, ghanamrit, bijamrit etc.	Aug	5	10		10	5	-	5	20
Value addition		Women empowerment through processing and value addition of fruits and vegetables	Dec.	5		10	10		5	5	15
Seed production technology		Seed Production Technology Of Field crop	Dec	7	10	-	10	5		5	15
Income generation		Tailoring and embroidery	Feb	5		10	10		5	5	15

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Off Campus										
July	Extension Functionaries	Improved cultivation practices of Kharif Onion & Post harvest management	1	15	-	15	5	-		20
Sept.		Feeding management of milch animals	1	20		20				20
November		Management of malnourishment among children	1	-	40	40	-	20	20	40
Jan		Animal breeding and record keeping	1	20		20				20
Aug		Integrated weed management	1	15		15	5		5	20
Oct.		Role of ICT in Agricultural development	1	25		25	10		10	25
Nov		Rejuvenation of old guava orchards	1	15		15	5		5	20
Dec		Seed production technology in cereals and pulses	1	15		15	5		5	20

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