ACTION PLAN PROFORMA FOR THE KVKs OF U.P.

(1st January to 31 December, 2024)

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, Banda, Kamasin, Banda	Office	FAX	kvkbanda@gmail.com	Banda.kvk4.in

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

Address	Telephone		E mail	Website
	Office	FAX		
Banda University of Agriculture and Technology, Banda	05192-232305	05192-232312	buat.dee@gmail.comvc. buat@gmail.com	buat.org.in

1.2.b. Status of KVK website : Yes Date when the website last updated: 30-10-2023

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

1.2.d Status of ICT lab at your KVK :

a) No. of PC units : 03

b) No. of Printers : 01

c) Internet connection : Yes

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Shyam Singh		9450791440	shyamsingh15350@gmail.com

1.4. Year of sanction: 2007

1.5. Staff Position (as on 31st August, 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Programme Coordinator	Dr. Shyam Singh	Sr. Scientist & Head	Agronomy	37400-67000	9000	152300	13.12.2017	Permanent	SC	9450791440	shyamsingh15350 @gmail.com	
2	Subject Matter Specialist	Vacant	SMS	Horticulture	15600-39100	5400		-	-	-	-	-	
3	Subject Matter Specialist	Dr.PragyaOjha	SMS	Home Science	15600-39100	5400	65000	12.12.2017	Permanent	Others	9458891879	ojha.pragya063 @gmail.com	
4	Subject Matter Specialist	Dr. Chanchal Singh	SMS	Plant Protection	15600-39100	5400	71100	12.12.2017	Permanent	Others	6394584646	manjul_csa @rediffmail.com	
5	Subject Matter Specialist	Dr.Manvendra Singh	SMS	Animal Science	15600-39100	5400	65000	15.12.2017	Permanent	Others	8168313754	manav21vet @gmail.com	
6	Subject Matter Specialist	Dr. Diksha Patel	SMS	Agriculture Extension	15600-39100	5400	63100	16.04.2018	Permanent	Others	7404797378	pateldiksha279 @gmail.com	

7	Subject Matter Specialist	Vacant	SMS	Agronomy	15600-39100	5400	-	-	-	-	-	-	
8	Programme Assistant	Vacant	Farm Manager/Lab Asstt.	-	9300-34500	4200	-	-	-	-	-	-	
9	Programme Assistant (Computer)	Er. Ajeet Kr Nigam	Computer Programmer	-	9300-34500	4200	41100	12.12.2017	Permanent	Others	8960987567	aknigam01@gmail.com	
10	Farm Manager	Vacant	Farm Manager/Lab Asstt.	-	9300-34500	4200	-	-	-	Others	-	-	
11	Accountant / Superintendent	ShriAbhishek Shahi	Accountant	-	9300-34500	4200	41100	11.12.2017	Permanent	Others	7897830330	Kvkbanda@gmail.com	
12	Stenographer	Shri Kamal Narayan	Stenographer	-	5200-20200	2400	29600	11.12.2017	Permanent	Others	7379067798	narayankamal550@gmail.com	
13	Driver	Shri Chandra Skekhar	Driver	-	5200-20200	2000	25200	11.12.2017	Permanent	Others	9556407161	Kvkbanda@gmail.com	
14	Driver	ShriVikas Gupta	Driver	-	5200-20200	2000	25200	11.12.2017	Permanent	Others	7379539458	Kvkbanda@gmail.com	
15	Supporting staff	ShriRaghuveer	Peon	-	18000-56	1800	28000	01.06.2010	Permanent	SC	9452226449	Kvkbanda@gmail.com	
16	Supporting staff	Smt. Ankita Nigam	Peon	-	18000-56	1800	13200	26.06.2022	Permanent	Gen		Kvkbanda@gmail.com	

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	01.69
2.	Under Demonstration Units	00.20
3.	Under Crops	07.00
	Total	**8.89**

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding		Stage					
				Complete			Incomplete		
		ICAR	RKVY	Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR			7700000.00	2011		Only Roof level construction	ICAR
2.	Farmers Hostel	ICAR			2550000.00	2011		Foundation level	ICAR
3.	Staff Quarters (6)				--	--		Nil	
4.	Demonstration Units (2)				--	--		Nil	
5	Fencing				--	--		Nil	
6	Rain Water harvesting system				--	--		Nil	
7	Threshing floor				--	--		Nil	
8	Farm godown				--	--		Nil	
	Other								

B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on March, 2023	Present status
Jeep Bolero LX	2010	4,57,526		Poor	
Tractor Massy	2010	4,74,140		Poor	
Motorcycle	-	-	-	-	
Tractor Massy	2021	690766		Good	

C) Equipments& AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Cultivator	2011	--	Old transferred from DDSF
Disc Harrow	2011	--	Old transferred from DDSF
Seeddril	2011	--	Old transferred from DDSF
Digital Camera	2014	7450	Good
Laptop+Biometric with UPS	2014	49000	Repairable
Desktop (Hp)	2019	49000	Good
UPS	2019	6000	Good
DSLR Camera	2019	43000	Good
Desktop (Lenova)	2020	28000	Good
PAS	2021	12000	Good
Cultivator	2021	26999	Good
Rotavator	2021	165000	Good
Disc Harrow	2021	124000	Good

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

Sl.No.	Date
1. Scientific Advisory Committee	24.11.2024

2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT

2.1 Micro-farming situations

a) Characteristics

S.No.	Agro-Ecological situations (AES)	Existing Farming System (Crop+livestock+others)	Major soil types
1	AES 1 (Plain)	Crop+ Livestock	Paduwa, Kabar, Mar
2	AES 2 (Undulated)	Crop+Livestock+Horticulture (Vegetable)	Paduwa, Kabar, Mar

b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography	Drainage
1.	AES 1 (Plain)	The topography is mostly plain and partially undulated.	Tubewell irrigated surface drainage
2.	AES 2 (Undulated)	The topography is partially plain and mostly undulated.	Canal, river and tubewell irrigated surface drainage and Ken River

c) AES-wise major problems

Village name	Agro-Ecological Situation (AES)	Major problems	Rank
Mahokhar	AES 1 (Plain) The topography is mostly plain and partially undulated.	Crop loss by Anna Pratha	1
		Migration of youth from agriculture	2
		Low productivity of major field crops and Horticultural crops	3
		Unavailability of Agri-inputs in Time	4
		Low milk productivity of Cattle	5
		Getting less price of crop produce	6
		Soil erosion, poor water percolation and water holding capacity	7
		Less use or under utilization of NPK	8
		Fellow in Khraif season	9
		Low milk productivity of Cattle	10
		High incidence of FMD, BQ, mastitis in cattle and buffalo	11
		Less awareness about alternate source of income among farmers/farm women	12
		Terminal Heat stress in Rabi sesaons	13
		Heavy weed infestation in Rabi sesons	14
		Poor grain/seed storage facilities	15
		Occurrence of anemia in women and malnourished children	16
		Poor awareness about ICT tools	17
Kanwara	AES 2 (Undulated) The topography is partially plain and mostly undulated	Crop loss by Anna Pratha	1
		Migration of youth from agriculture	2
		Low productivity of major field crops and Horticultural crops	3
		Unavailability of Agri-inputs in Time	4
		Low milk productivity of Cattle	5
		Getting less price of crop produce	6
		Soil erosion, poor water percolation and water holding capacity	7
		Less use or under utilization of NPK	8
		Fellow in Khraif season	9
		Low milk productivity of Cattle	10
		High incidence of FMD, BQ, mastitis in cattle and buffalo	11
		Less awareness about alternate source of income among farmers/farm women	12
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		Heavy weed infestation in Rabi sesons	14
		Poor grain/seed storage facilities	15
		Occurrence of anemia in women and malnourished children	16
		Poor awareness about ICT tools	17

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

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)	demo yield	Yield gap (q/ha) with respect to demo	Potential yield (q/ha)	Yield gap (q/ha) with respect to potential yield
1	Paddy	46960	1237300	26.35	41.6	15.25	55	28.65
2	Til	13710	58790	4.29	7.6	3.31	11	6.71
3	Pigeon Pea	17070	245490	14.38	21.6	7.22	22	7.62
4	Jowar	22410	414390	18.5	34	15.5	40	21.5
5	Wheat	161000	4892900	30.63	39.24	8.61	55	24.37
6	Chickpea	93570	1082700	11.88	19.82	7.94	28	16.12
7	Mustard	2870	27050	9.44	20.05	10.61	24	14.56
8	Field Pea	3080	22980	12.71	23.3	10.59	30	17.29
9	Lentil	38620	294960	9.89	14.42	4.53	16	6.11
10	Linseed	3980	11200	10	14.5	4.5	16	6

Source: District agriculture department.

2.3. Weather data (2022-23)

Year	Month	Rainfall (mm)	Temperature ^{0}C		R H (%)
			Maximum	Minimum	Average
2022	July-22	263.65	28.17	36.14	77.06
	Aug-22	146	27.03	33.90	86.25
	Sept-22	183.25	26.53	34.33	86.90
	Oct-22	0	23	34.77	70.02
	Nov-22	0	15.57	29.52	61.75
	Dec-22	0	11.5	25.0	70.2
2023	Jan-23	4.2	14.62	36.0	70.5
	Feb-23	0	14.56	30.52	58.50
	Mar-23	21	22.25	37.12	44.22
	Apr-23	3.5	25.05	39.16	25.22
	May-23	22.75	28.25	38.05	55.20
	June-23	215.2	28.52	39.28	85.52
	July-23	172.75	30.62	38.15	82.06
	Aug-23	252.75	28.03	33.50	87.25
	Sept-23	122.35	26.52	33.35	85.70
	Oct-23	0	24.50	35.70	69.05

2.4 Production and productivity of livestock, Poultry, Fisheries etc. in the district (2022) *Statistical report

Category	Population	Production	Productivity (Milk lit/day)
Cattle			
Crossbred	1560		3.1
Indigenous	254895		2.2
Buffalo	423761		4.1
Sheep	9702		
Crossbred	0		
Indigenous	9702		
Goats	281392		0.65
Pigs			
Crossbred	0		
Indigenous	5409		
Rabbits			
Poultry	18488		110 eggs
Stray cattle	47658		
Fish (Reservoir)			

2.5 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Existing yield (q/ha, number/year)	Major problem identified	Identified Thrust Areas
Banda Sadar	BadokharKhurd	Kanwara	Pigeon pea	10.5	Lack of Irrigation water Unavailability of improved variety seed	Introduction of HYV, IPM, INM, IDM
			Sesmum	1.67	Less seed rate, old variety, no use of fertilizer	Introduction of HYV, IPM, INM, IDM
			Gram	12.5	Local seed, high occurrence of pod borer	Introduction of HYV, IPM, INM, IDM
			Lentill	11.2	Local seed, high incidence of wilt	Introduction of HYV, IPM, INM, IDM
			Wheat	29.0	Local seed, late sowing, no seed treatment, poor weed management, Poor pest and diseases management	Introduction of HYV, IPM, INM, IDM
			Field pea	15.0	Old seed, poor weed management, Poor pest and diseases management	Introduction of HYV, IPM, INM, IDM
			Mustrad	8.5	Local seed, no use of sulphur, no adoption of thinning and poor pest and disease management.	Introduction of HYV, IPM, INM, IDM, Soil test based fertilizer application
		Mahokhar	Paddy	28.0	Late sowing of nursery, Shortage of irrigation, Poor weed mangement	Introduction of HYV, IPM, INM, IDM, Soil test based fertilizer application
			Urd/ moong	7.5	No use of seed treatment, old seed Less use of fertilizer	Introduction of HYV, IPM, INM, IDM,, Soil test based fertilizer application
			Sesmum	2.2	Less seed rate, old variety, no use of fertilizer	Introduction of HYV, Soil test based fertilizer application
			Gram	13.5	Local seed, high occurrence of pod borer	Introduction of HYV, IPM, INM, IDM
			Lentill	12.5	Local seed, high incidence of wilt	Introduction of HYV, IPM, INM, IDM
			Wheat	31.0	Local seed, late sowing, no seed treatment, poor weed management, Poor pest and diseases management	Introduction of HYV, IPM, INM, IDM
			Field pea	15.2	Old seed, poor weed management, Poor pest and diseases management	Introduction of HYV, IPM, INM, IDM, Soil test based fertilizer application
			Mustrad	8.5	Local seed, no use of sulphur, no adoption of thinning and poor pest and disease management.	Introduction of HYV, IPM, INM, IDM

2.6 Top five major priority thrust areas:

i. High Yielding variety

ii. Weed and Nutrient management

iii. IPM and IDM

iv. Resource Conservation Techniques

v. Breed improvement, Feed, Balance Ration

vi. Drudgery, health care of farm women

3. TECHNICAL PROGRAMME

3 A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
12	85 (120 animals)	47.95	233 (90 animals)

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2500	280	10500

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
200	20100	-	300

3 B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials
1	Weed management	Wheat	Poor yield due to weed infestation		Chemical weed control			Field day, Diagnostic Visit	Weedicide
2	CRM	Paddy	Poor management of paddy straw		Demo on Pusa-Bio-decomposer			Field day, Diagnostic Visit	Pusa-Biodecomposer
3	CT	Wheat	Poor yield due to late sowing of wheat		Demo on Zero Till seed drill			Field day, Diagnostic Visit	Seed
4	Nutritional Security	Kitchen Garden Kits	Unavailability of fresh vegetables and fruits, Malnutrition		Combating malnutrition through Kitchen Garden	Food and nutritional security through kitchen garden	-	Field day, Diagnostic Visit	Kitchen Garden Kits
5	Drudgery Reduction	Fruit Harvester	Difficulty in fruit harvesting due to thoms and height of trees		Drudgery reduction in fruit harvesting activity	-	-	Field Day	Fruit Harvester
6	Drudgery Reduction	Grain Cleaning	Drudgery and discomfort perceived by farm women during grain cleaning	Assessment of drudgery through manual and mechanized method of grain cleaning		Use of Hanging type grain cleaner with sack holder for drudgery reduction		Field Day	Hanging type grain cleaner with sack holder
7	Value Addition	RagiBajraNutrimix Powder	Malnutrition among school going children	Value addition of RagiBajraNutrimix Powder to combat malnutrition		Preparation of RagiBajraNutrimix Powder to combat malnutrition			RagiBajraNutrimix Powder

8	Information technology	Mustard	Poor weather based information leads to yield loss in Mustard	Assessment of Weather Based Information (WBI) on decision making during Mustard cultivation	-	-	-	-	Weather advisory, RARS, Jhansi, BUAT, Banda
9	IPM	Chickpea	Occurrence of chickpea of pod borer	Management of chickpea pod borer		Management of chickpea pod borer		Field day, diagnostic visit etc.	
10	IDM	Lentil	Occurrence of dry root rot	Management dry root rot in lentll		Management dry root rot in lentll		Field day, diagnostic visit etc.	
11	IPM	Storage	Infestation of stored grain and seeds with insects		Management of stored grain insects	Management of stored grain insects		Field day, diagnostic visit etc.	
12	IPM	Linseed	Occurrence of bud fly		Management of Linseed bud fly	Management of Linseed bud fly		Field day, diagnostic visit etc.	
13	IPM	Pigeon pea	Occurrence of nocturnal insect pests		Management of nocturnal insects in pigeon pea	Management of nocturnal insects in pigeon pea		Field day, diagnostic visit etc.	
14	HYV	Paddy	Poor yield of Paddy due to old variety	Assessment of Paddy variety Pusa basmati 1509				Field visit	Pusa basmati 1509
15	HYV	Wheat	Poor yield of wheat due to old variety	Assessment of Wheat variety DBW 187 (Karan Vandana)				Field visit	DBW 187 (Karan Vandana)

3.1 Technologies to be assessed

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	2									2
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction	1									1
Farm machineries										
Value addition				1						1
Integrated Pest Management			1							1
Integrated Disease Management			1							1
Resource conservation technology										
Small Scale income generating enterprises										
others		1								1
TOTAL	**3**	**1**	**2**	**1**						**7**

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

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

B. Details of On Farm Trial (at least 3-4 OFTs shall be composite in nature)

OFT-1

1	Crop/Enter prizes	Rice	
2	Title of on farm trial	Assessment of Chemical weed control, Balance Nutrition and IPM module for stem borer in Rice.	
3	Problem Diagnosed	Poor yield of Rice due to weed infestation, Imbalance nutrition and stem borer.	
4.	Farming situation	Irrigated	
5.	Production system and thematic area	Rice-Wheat , Weed mgt., Nutrient Mgt. and IPM	
6.	Farmers practice	One Hand weeding , Imbalance nutrition and Application non-specific insecticides for stem borer	
7.	Details of technologies selected for assessment/refinement	**Area (a):** Weed control **T1** - One Hand weeding **T2** - Pretilachlor 6.0% + Pyrazosulfuron-ethyle 0.15% GR (Readymix) @ 615 gm/ha PE.	
		Area (b): Nutrient management **T1-**70:50:0:10 (N:P:K:Zn) kg/ha **T2-** 120:60:40:25 (N:P:K:Zn) kg/ha	
		Area (c): Integrated Pest Management (IPM) **T1**- Application non-specific insecticides **T2** – **IPM module** (Tip clipping+ regular monitoring of insect population + collection and destruction of egg masses + Cartap Hydrochloride 75 % SG @ 500ml/ha/500L water)	
8.	Source of technology	**Weed control**-CCSHAU, Haryana **Nutrient management** – GBPUA&T, Pantnagar Stem Borer Mgt- NCIPM, New Delhi	
9.	No. of farmers	5	
10	Plot size	0.4 ha	
11.	Critical input	Weedicide, Insecticide and Zinc Sulphate	
12.	Total cost	Rs. 5000/-	
13.	Performance indicators	**Technical** i) Weed intensity ii) Stem borer infestation iii) Yield (q/ha)	**Economic** i) B:C Ratio **Social** i) Feedback of the farmers

Total Area-> 50,000 ha Productivity- 26.35 q/ha

Area Affected weed-→60%

Imbalance nutrition- 90 %

Stem Borer---40%

OFT-2

1	Crop/Enter prizes	Wheat	
2	Title of on farm trial	Assessment of Chemical weed control, Balance Nutrition and seed treatment for termite, rust and smut in Wheat.	
3	Problem Diagnosed	Poor yield of wheat due to weed infestation, Imbalance nutrition and insect and disease infestation.	
4.	Farmer situation	Irrigated	
5.	Production system and thematic area	Rice-Wheat , Weed mgt., Nutrient Mgt. and IPM	
6.	Farmers practice	Sulfosulfuron @ 25 gm/ha , Imbalance nutrition and No seed treatment for insect and disease	
7.	Details of technologies selected for assessment/refinement	**Area (a):** Weed Control **T1** - Sulfosulfuron @ 25 gm/ha **T2** - Clodinafop propagyl 15% +Metsulfuron 1% @ 400 g/ha at 30 DAS	
		Area (b): Nutrient management **T1-**70:50:0:10 (N:P:K:Zn) kg/ha **T2-** 150:60:40 (N:P:K) kg/ha	
		Area (c): Management of insects and diseases **T1** –No seed treatment **T2** – Imidacloprid 18.5% + Hexaconazole 1.5% FS @ 200ml/100kg seed	
8.	Source of technology	CSA Univ. of Ag & Tech., Kanpur. NCIPM, New Delhi	
9.	No. of farmers	5	
10	Plot size	0.4 ha	
11.	Critical input	Weedicide and Insecticide	
12.	Total cost	Rs. 5000/-	
13.	Performance indicators	**Technical** I) Weed intensity ii)Insect disease infestation iii) Yield (q/ha)	**Economic** i) B:C Ratio **Social** i) Feedback of the farmers

Total Area-> 160,000 ha Productivity- 30.63 q/ha

Area Affected weed-→60%

Imbalance nutrition- 90 %

Termite---20%

OFT-3

1	Crop/Enter prizes	Chickpea	
2	Title of on farm trial	Management of pod borer and nutrition in chickpea	
3	Problem Diagnosed	Poor yield of chickpea due pod borer and imbalance use of fertilizer.	
4.	Farming situation	Rainfed	
5.	Production system and thematic area	Integrated Pest Management (IPM) and Nutrient management.	
6.	Farmers practice	Application **Emamectin benzoate 05.00SG@ 200.0 g/ha** in 500L of water at the time of pod formation stage of crop 50kg DAP/ha.	
7.	Details of technologies selected for assessment/refinement	**Area (a):** Pest Management **T1 - Emamectin benzoate 05.00SG@ 200.0 g/ha** in 500L of water **T2 - IPM module** Selectionofsiteandtolerantvariety+timely sowing up last week of October + crop spacing (45X15cm) + nipping + monitoring of insect with pheromone trap/larval count per meter row length + need based application of insecticide (**Emamectin benzoate 05.00SG@ 200.0 g/ha** in 500L of water)	
		Area (b): Nutrient Management **T1 – Imbalance use of fertilizers** (50kg Urea/ha as top dressing) **T2 – Recommended dose of fertilizers** (N:P:K:S :: 20:60:20:20) and spray of 2% urea at flowering stage of crop	
8.	Source of technology	NCIPM, New Delhi, IIPR, Kanpur	
9.	No. of farmers	10	
10	Plot size	0.4 ha	
11.	Critical input	Pheromone traps and Insecticide	
12.	Total cost	Rs. 5000/-	
13.	Performance indicators	**Technical** i)Insect incidence ii) Per cent pod damage iii) Yield (q/ha)	**Economic** i) B:C Ratio **Social** i) Feedback of the farmers

OFT-4

1	Crop/Enter prizes	Lentil	
2	Title of on farm trial	Management of dry root rot under agro-ecosystem of lentil	
3	Problem Diagnosed	Poor yield of lentil due dry root rot imbalance use of fertilizer.	
4.	Farmer situation	Rainfed	
5.	Production system and thematic area	Integrated Disease Management (IDM)	
6.	Farmers practice	No seed treatment	
7.	Details of technologies selected for assessment/refinement	**Area (a):** Pest Management **T1** – **Thiram 75WS + Carbendazim50WP (2:1)** @ 3.0 gram/kg seed **T2 - Carbendazim 25%+ Mancozeb 50% WS** @ 5 gram/kg seed	
		Area (b): Nutrient Management **T1 – Imbalance use of fertilizers** (50kg Urea/ha as top dressing) **T2 – Recommended dose of fertilizers** (N:P:K:S :: 20:60:20:20)	
8.	Source of technology	NCIPM, New Delhi, IIPR, Kanpur	
9.	No. of farmers	10	
10	Plot size	0.4 ha	
11.	Critical input	*Trichoderma* spp. andCarbendazim 25%+ Mancozeb 50% WS	
12.	Total cost	Rs. 5000/-	
13.	Performance indicators	**Technical** i) Per cent infection ii) Yield (q/ha) **Economic**	i) B:C Ratio **Social** i) Feedback of the farmers

OFT – 5

1.	Category of Animal/Bird	Cows (First or Second Lactation)	
2.	Title of on farm trial	Assessment of sex sorted semenon sex ratio through A.I. in cows	
3.	Problem Diagnosed	Low conception rate and more no. of male progeny	
4.	Farmers practice	Indiscriminate breeding	
5.	Details of technologies selected for assessment/refinement	T1 – Indiscriminate breeding (FP) T2 – A.I. with sex sorted semen (Assessment) T3 – A.I. with sex sorted semen + Mineral Mixture	
6.	Source of technology	ICAR-NDRI, Karnal	
7.	No. of farmers	10	
8.	No. of animals	20	
9.	Critical input	Sex Sorted Semen + Mineral Mixture	
10.	Total cost	Rs. 15000/-	
11.	Performance indicators	**Technical** i) Conception rate ii) Sex ratio	**Economic** i) B:C Ratio **Social** i) Feedback of the farmers

OFT – 6

1.	Category of Animal/Bird	Poultry	
2.	Title of on farm trial	Assessment of CARI Devendra dual purpose poultry	
3.	Problem Diagnosed	Poor Egg Production of local poultry variety	
4.	Farmers practice	Local poultry variety	
5.	Details of technologies selected for assessment/refinement	T_1 - Local birds (Farmers practice) T_2- CARI Devendra	
6.	Source of technology	ICAR-CARI, Izzatnagar, Bareilly	
7.	No. of farmers	05	
8.	No. of chicks	100	
9.	Critical input	Chicks (1 week of age)	
10.	Total cost	Rs. 15000/-	
11.	Performance indicators	**Technical** i) Age of First Laying ii) No. of eggs upto 40 week age	**Economic** i) B:C Ratio **Social** i) Feedback of the farmers

OFT-7

1.	Crop/Enterprise	Drudgery Reduction
2.	Title of On Farm Trial	Assessment of Drudgery through manual and mechanized method of grain cleaning.
3.	Problem Diagnosed	Drudgery and discomfort perceived by Farm women during cleaning of Grains.
4.	Major cause	Generally the farm women use hand blower (kula) for cleaning the grains from dust, chaff and small stones. This process is very painful and time taking also. The output is very less. It creates hazard to back, nose, eyes, hand like all the body parts of the women
5.	Farmers Practice	T1: Cleaning of Grains by Traditional Method
6.	Technology to be assessed	T2: Hanging Type Grain Cleaner with Sack Holder
7.	Source of Technology	ICAR- Central Institute for women in Agriculture, Bhubaneshwar.
8.	No. of Farm Women	3
9.	Critical Input	Hanging Type Grain Cleaner with Sack Holder
10.	Cost of Technology	6000/-
11.	Performance Indicators	**Technical**: Physiological Parameters during activity, Postural discomfort and Drudgery Level of Farm Women.
		Social: Adoptability and acceptability among Farm women.

OFT- 8

1.	Crop/Enterprise	Value Addition
2.	Title of On Farm Trial	Value addition of RagiBajraNutrimix Powder to combat Malnutrition
3.	Problem Diagnosed	Malnutrition among School going children (3- 7 years) of Bundelkhand.
4.	Major cause	Lack of knowledge and awareness about balance diet and lifestyle pattern.
5.	Farmers Practice	T1: No nutrimix powder is added.
6.	Technology to be assessed	T2: RagiBajraNutrimix Powder
7.	Source of Technology	Food and Nutrition Board
8.	No. of Farm Women	5
9.	Critical Input	RagiBajraNutrimix Powder (Ragi: Bajra: Oats: Moong Dal: Almond: Walnut: Chia seeds: Jaggery : Dates:: 2:2:2:1:1:1:2: 1).
10.	Cost of Technology	750/-
11.	Performance Indicators	**Technical**: Anthropometric Measurement (Height, Weight, BMI, MUAC)
12.		**Socia**l: Adoptability and acceptability among children.

OFT- 9

1.	**Thematic area**	Information Communication Technology (ICT)
2.	**Title of On-Farm Trial (OFT)**	Assessment of Weather Based Information (WBI) on decision making during Mustard cultivation
3.	**Problem diagnosed**	Poor weather based information leads to yield loss in Mustard
4.	**Production System**	Irrigated
5.	**Farmers' Practice**	T1 – Mustard cultivation without considering weather information
6.	**Details of technology selected**	T2 – Mustard cultivation by using weather based information
7.	**Source of technology**	Weather advisory, RARS, Jhansi (BUAT, Banda)
8.	**No. of trials**	20
9.	**Critical input**	RARS weather based bulletin
10.	**Performance indicator i. Technical**	Yield
11.	**iii. Economics**	Yield saved (%)
12.	**ii. Social**	Adoption rate and acceptability

3.2 Frontline Demonstrations

A. Details of FLDs to be organized -

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified (Yield related attributes, yield economics and farmers' perception
1	Wheat (DBW 107)	Weed Management	Sulfosulfuron75% WP @25 gm a.i,/ha	Weedicide	Rabi-2024	10	25	Weed density
2.	Wheat after Paddy	Pusa Decomposer	Pusa Decomposer (In-situ)	Pusa Decomposer	Rabi-2024	10	25	Days taken to decomposition of paddy straw and yield of wheat crop
3.	Wheat	Zero till seed drill of wheat in paddy field	Soil and water conservation	-	Rabi-2024	5	12	Yield of wheat crop
4.	Kitchen Garden (250 sq.m.)	Nutritional security	Unavailability of fresh vegetables, making use of home backyard	Seed of improved varieties and seedings	Kharif-2024 Rabi-2024	2.95	100	Yield/ Nutritional requirement
5.	Fruit harvester	Drudgery saving devices	Difficulty in lime harvesting due to thorns	Fruit Harvester	Rabi-2024	-	10	Time saving, Increase in work efficiency
6.	Pigeonpea	IPM	Management module for pod borer (Solar Light Trap)	Solar Light Trap	Kharif-2024	6	6	Percent infestation and yield
7	Linseed	IPM	Management of linseed bud fly	Insecticides	Rabi-2024	4	10	Percent infestation and yield
8.	Pulses &othergrains	IPM	Safe Storage Technique (Super Grain Bag)	Super Grain Bag	Zaid - 2024	-	20	Percent infestation in storage
				Total		**37.95**	**208**	

Sponsored Demonstration (CFLD- oilseed and Pulses)

Crop	Area (ha)	No. of farmers
Kharif 2024		
Sesamum	20	50
Pigeon Pea	10	25
Total	**30**	**75**
Rabi-2024-25		
Linseed	10	25
Mustrad	20	50
Gram	20	50
Lentil	20	50
Field pea	10	25
Total	**80**	**200**

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	10	Feb, March,	200
2	Farmers Training	5	June, July, October & November	50
3	Media coverage	20	March and October	Mass
4	Training for extension functionaries	2	March and October	50

C. Details of FLD on Enterprises

(i) Farm Implements

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

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Buffalo	Murrah/Local	10	20	UMMB Block	1.Milk production (lit./day/animal) 2.Bodyweight
Buffalo	Murrah/Local	10	20	Probiotic and Mineral mixture	1.Milk production (lit./day/animal) 2.Body weight 3.Conception rate
Buffalo	Murrah/Local	10	20	Mastafast Spray and IntaVita-NH	1.Incidence of Disease 2. Milk production (lit./day/animal)
Goat	Local	5	30	Vitamin Supplement	1.Increase in daily body weight gain 2. Animal Health
	Total	**35**	**90**		

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

A) ON Campus

Thematic Area	Name 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								
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification	Importance of Minor Millets	15	3	18	5	2	7	25
Site specific nutrient management								
Integrated Farming								
Water management	Importance of Sprinkler irrigation in Pulses	15	3	18	5	2	7	25
Seed production								
Nursery management								
Integrated Crop Management	Water, weed and nutrient management in Wheat under limited water	15	3	18	5	2	7	25
Fodder production								
Production of organic inputs								
Natural farming	Dimensions of Natural Farming	15	3	18	5	2	7	25
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
Natural farming								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								

f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management	Management of young and newly born animals	15	5	20	3	2	5	25
	Summer Management of Livestock	15	5	20	3	2	5	25
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management	Reproductive tools to improve livestock Germplasm	15	5	20	3	2	5	25
Feed management	Formulation of Balanced Ration for Livestock	15	5	20	3	2	5	25
Production of quality animal products	-							
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	Role of Kitchen Garden for food and nutritional security	0	15	15	0	15	15	30
	Combating malnutrition through Kitchen Garden	0	10	10	0	5	5	15
	Different models of Kitchen Garden	0	10	10	0	5	5	15
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet	Preparation of nutrient rich recipes to prevent malnutrition	0	20	20	0	10	10	30
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition	Value addition of seasonal fruits and vegetables	0	20	20	0	10	10	30
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies	Awareness about different drudgery reducing agriculture tools and equipment	0	20	20	0	10	10	30
Rural Crafts								
Women and child care								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								

Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management	Safe storage techniques for food grains and seeds	15		15	5		5	20
	Management of bud fly in agro-ecosystem of linseed	15		15	5		5	20
	Management of chickpea pod borer	15		15	5		5	20
	Role solar light trap in Integrate pest management	15		15	5		5	20
Integrated Disease Management	Management of dry root rot in pulses	15		15	5		5	20
Bio-control of pests and diseases	Role of beneficial insects in agriculture	15		15	5		5	20
	Conservation of natural enemies and other beneficial insects in mustard	15		15	5		5	20
Production of bio control agents and bio pesticides	Preparation of neem based pesticides	15		15	5		5	20
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs/FPOs etc								
Mobilization of social capital								
Entrepreneurial development of farmers/youths	Entrepreurship development through quality seed production	15	5	20	5	0	5	25
	Entrepreneurship and Agri-Toursim for up scaling for Rural economy	15	5	20	5	0	5	25
WTO and IPR issues								
Others	Climate change: awareness and risk management	15	5	20	5	0	5	25
	Importance of ICT tools for Farmer's development	15	5	20	5	0	5	25

XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL		**315**	**150**	**465**	**97**	**73**	**170**	**635**
(B) RURAL YOUTH								
Mushroom Production	Mushroom production techniques	15		15	5		5	20
Bee-keeping								
Integrated farming								
Seed production	Seed Production of wheat for income generation	15	3	18	5	2	7	25
Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production	Commercial Poultry production	20	5	25	5	5	10	35
Ornamental fisheries								
Para vets								
Para extension workers	Agriculture Extension Service provider	15	5	20	5	0	5	25
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts	Income Generation through Handicraft making	0	10	10	0	10	10	20
TOTAL		**65**	**23**	**88**	**20**	**17**	**37**	**125**
(C) Extension Personnel								
Productivity enhancement in field crops	Concept of Natural Farming	15	3	18	5	2	7	25
	Agronomic Practices of millets crops	15	3	18	5	2	7	25
Integrated Pest Management	Integrated Pest Management (IPM): A Modern Trend	15		15	5		5	20
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								

Group Dynamics and farmers organization								
Information networking among farmers	Soft Skills for extension professional for better dissemination of technology	10	5	15	5	5	10	25
Capacity building for ICT application	Role of Social media in transfer of technology	10	5	15	5	5	10	25
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production	Advances in Feed and Fodder Technology	15	-	15	5	-	5	20
Household food security	Household food and nutritional security through Kitchen Garden	0	10	10	0	10	10	20
Women and Child care	Role of hygiene and sanitation for health wellbeing	0	10	10	0	10	10	20
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
TOTAL		**80**	**36**	**116**	**30**	**34**	**64**	**180**
G. Total		**460**	**209**	**669**	**147**	**124**	**271**	**940**

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	2	30	6	36	10	4	14	50
Resource Conservation Technologies	2	30	6	36	10	4	14	50
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management	1	15	3	18	5	2	7	25
Integrated Crop Management	3	45	9	54	15	6	21	75
Fodder production	1	15	3	18	5	2	7	25
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								

Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management	1	15	3	18	5	2	7	25
Soil and Water Conservation								
Integrated Nutrient Management	1	15	3	18	5	2	7	25
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing	1	15	3	18	5	2	7	25
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
Piggery Management	-	-	-	-	-	-	-	-
Rabbit Management /goat	-	-	-	-	-	-	-	-
Disease Management	6	90	30	120	18	12	30	150
Feed management	1	15	5	20	3	2	5	25
Production of quality animal products	-	-	-	-	-	-	-	-
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	0	20	20	0	15	15	35
Design and development of low/minimum cost diet	1	0	10	10	0	10	10	20
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	1	0	15	15	0	10	10	25
Storage loss minimization techniques								
Value addition								
Income generation activities for empowerment of rural Women	1	0	15	15	0	10	10	25
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care	1	0	15	15	0	10	10	25
VI Agril. Engineering								

Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management	7	105		105	35		35	145
Integrated Disease Management	1	15		15	5		5	20
Bio-control of pests and diseases	2	30		30	10		10	40
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production (Horti.)								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production (Horti.)								
Organic manures production (A.S.)								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics	1	15	5	20	5	0	5	25
Formation and Management of SHGs(HS)								
Mobilization of social capital								
Entrepreneurial development of farmers/youths	3	45	15	60	15	0	15	75
WTO and IPR issues	2	30	10	40	10	0	10	50
	2	30	10	40	10	0	10	50
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
XII Others (Pl. Specify)								
TOTAL	**47**	**615**	**206**	**821**	**183**	**101**	**284**	**1110**

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	30	6	36	10	4	14	50
Resource Conservation Technologies	2	30	6	36	10	4	14	50
Cropping Systems								
Crop Diversification	1	15	3	18	5	2	7	25
Integrated Farming								
Water management								
Seed production	1	15	3	18	5	2	7	25
Nursery management								
Integrated Crop Management	4	60	12	72	20	8	28	100
Fodder production	1	15	3	18	5	2	7	25
Production of organic inputs	1	15	3	18	5	2	7	25
Natural Farming	1	15	3	18	5	2	7	25
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
G. Total								
III Soil Health and Fertility Management								
Soil fertility management	1	15	3	18	5	2	7	25
Soil and Water Conservation								
Integrated Nutrient Management	1	15	3	18	5	2	7	25
Production and use of organic inputs								

Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing	1	15	3	18	5	2	7	25
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	-	-	-	-	-	-	-	-
Rabbit Management/goat	-	-	-	-	-	-	-	-
Disease Management	7	105	35	140	21	14	35	175
Feed management	2	30	10	40	6	4	10	50
Production of quality animal products	-	-	-	-	-	-	-	-
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	5	0	55	55	0	40	40	95
Design and development of low/minimum cost diet	1	0	10	10	0	10	10	20
Designing and development for high nutrient efficiency diet	1	0	20	20	0	10	10	30
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	1	0	15	15	0	10	10	25
Storage loss minimization techniques								
Value addition	1	0	20	20	0	10	10	30
Income generation activities for empowerment of rural Women	1	0	15	15	0	10	10	25
Location specific drudgery reduction technologies	1	0	20	20	0	10	10	30
Rural Crafts								
Women and child care	1	0	15	15	0	10	10	25
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection	11	165		165	55		55	220
Integrated Pest Management	2	30		30	10		10	40
Integrated Disease Management	4	60		60	20		20	80
Bio-control of pests and diseases	1	15		15	5		5	20
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								

Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics	1	15	5	20	5	0	5	25
Formation and Management of SHGs								
Mobilization of social capital								
Entrepreneurial development of farmers/youths	5	75	25	100	25	0	25	125
WTO and IPR issues	2	30	10	40	10	0	10	50
Others	4	60	20	80	20	0	20	100
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
Sponsored training								
TOTAL	**72**	**900**	**348**	**1248**	**272**	**170**	**442**	**1690**
(B) RURAL YOUTH								
Mushroom Production	1	15		15	5		5	20
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production	1	20	5	25	5	5	10	35
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts	1	0	10	10	0	10	10	20

TOTAL	**5**	**65**	**23**	**88**	**20**	**17**	**37**	**125**
(C) Extension Personnel								
Productivity enhancement in field crops	2	30	6	36	10	4	14	50
Integrated Pest Management	1	15		15	5		5	20
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers	1	10	5	15	5	5	10	25
Capacity building for ICT application	1	10	5	15	5	5	10	25
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production	1	15	-	15	5	-	5	20
Household food security	1	0	10	10	0	10	10	20
Women and Child care	1	0	10	10	0	10	10	20
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
Total	**8**	**80**	**36**	**116**	**30**	**34**	**64**	**180**
G. TOTAL	**85**	**1045**	**407**	**1452**	**322**	**221**	**543**	**1995**

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
KisanMela	02	1500	500	2000	50	20	70	1550	520	2070
KisanGosthi	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
Agri mobile clinic										
Farm Science Club Conveners meet										To be form
Self Help Group Conveners meetings										
MahilaMandals 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
PPVFRA workshop										
Any Other (Specify) live-telecast programme,	05	300	50	350	25	-	25	350	50	375
Total	**280**	**8895**	**1780**	**10675**	**513**	**135**	**648**	**8728**	**1751**	**10500**

3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
		KVK, Farm	
CEREALS	Paddy	Pant-24	100
	Wheat	Karan Vandana (DBW-187)	100
OILSEEDS	Mustard	Giriraj	20
		Total	**220**
		Seed Hub	
PULSES	Chickpea	RVG-204	250
	Lentil	IPL-321	25
	Field pea	IPFD-12-2	100
		Total	**375**
		Grand Total	**595**

B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Papaya	Farm selection-1	100
VEGETABLES	Chilli, Tomato, Brinjal, Cauliflower	KashiUttam, KashiAman, KashiAnupam, Golden Acre	20000
		Total	**20100**

C) BIO-PRODUCT

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1 NADEP compost	NADEP compost			5000
2 Vermi compost	Vermi compost			500
		Total		**5500**

D) LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle	Indigenous	Tharparkar	2	1
GOAT	Indigenous	Bundelkhandi	10	1

3.6 Literature to be Developed/Published

(A) KVK News Letter

Date of start : December, 2017

Number of copies to be published : 400

(B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	5
2	Technical reports	6
3	News letters	4
4	Training manual all discipline	5
5	Popular article	5
6	Extension literature	8
	Total	**33**

(B) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette, whatsapp group, mobile app, etc.	Title of the product	Number
1	**whatsapp group**	Natural Farming	150
2	**whatsapp group**	Shree Anna	150

3.7. Success stories/Case studies identified for development as a case. - 05

a. Brief introduction/Background

b. Interventions/process

c. Output

d. Outcomes

e. Impact

i) Social economic

ii) Bio-Physical

f. Good Action Photographs

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

Practicing Farmers

a) Observation

b) Focus Group Discussion

c) Checklist

Rural Youth

a) Focus Group Discussion

b) Observation

c) Training need assessment through checklist method

d) Interviews schedule

In-service personnel

a) Questionnaires

b) Critical incidence technique

b) Observation

c) Performance appraisal

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT :

i) PRA
ii) Problem identified
iii) Field level observations
iv) Farmer group discussions

For FLD :

i) PRA
ii) New variety/technology
iii) Poor yield at farmers level
iv) Existing cropping system
v) Focus Group Discussion

3.10 Field activities

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

Mahokhar and Kanwara/ BadhokharKhurd (2024)

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

iii. No. of PRA conducted : 02

iv. No. of technologies taken to the adopted villages: 10

v. Name of the technologies found suitable by the farmers of the adopted villages: HYV – K-1317, Kitchen Garden, Mineral mixture, vit. Supplement, light trap

vi. Impact (production, income, employment, area/technological– horizontal/vertical)

vii. Constraints if any in the continued application of these improved technologies- late sowing of wheat, space problem in kitchen garden, lack of knowledge about right dose of Mineral mixture, vit. Supplement, security issue for light trap

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 2020

2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	MridaPrikshak	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	250	03	--
Water				
Plant				
Total	**300**	**250**	**03**	**--**

4.0 LINKAGES

4.1 Functional linkage with different organizations/department

Sl. No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	NGO	Participating in meeting, conducting training	Transfer of technology
2.	Department of Agriculture	Participating in meeting, conducting training, joint implementation	Transfer of technology
3.	ATMA	Participating in meeting, conducting training, joint implementation	Transfer of technology
4.	Deptt. of Horticulture	Participating in meeting, conducting training, joint implementation	TOT and convergence
5.	NHM	Participating in meeting, conducting training, joint implementation	TOT and convergence
6	Fisheries	Participating in meeting	TOT and convergence
7	DRDA	Participating in meeting and joint implementation specially SHGs formation	TOT and convergence
8	CSISA	Landscape Diagnostic Surveys, Crop cutting of Rice and	Improvement in yield in Rice –wheat

		Wheat cropping systems	cropping system
9	IWMI	Farmers training, collecting data of climate parameters, analysis and making strategies for climate smart agriculture	Identification of climate resielient technologies
10	ICAR- CRIDA	Farmers training, collecting data of climate parameters, analysis and making strategies for climate Change	Identification of climate resielient technologies

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage	Outcome of linkage
1	Training of master trainers	As resource person	Skill development of field level worker of ATMA
2	Kisangoshti	As resource person	TOT
3	Meeting of BOM	As expert	Preparation of Action plan as well as SREP of ATMA

5. Utilization of Hostel facilities: NA

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

6. Partnership with departments for technology out scaling (proposed) :

Successful technology will make available to line department (Agriculture, Horticulture, Animal Science and NR

xxxxxxxxxxxxxxxxxxxxxxxxxxx

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										
March 24	PF	Importance of Minor Millets	4	15	3	18	5	2	7	25
September, 24	PF	Importance of Sprinkler irrigation in Pulses	4	15	3	18	5	2	7	25
October, 24	PF	Water, weed and nutrient management in Wheat under limited water	4	15	3	18	5	2	7	25
October, 24	PF	Dimensions of Natural Farming	4	15	3	18	5	2	7	25
Livestock prod.										
Jan-24	PF/FW	Management of young and newly born animals	3	15	5	20	3	2	5	25
Feb-24	PF/FW	Formulation of Balanced Ration for Livestock	3	15	5	20	3	2	5	25
Mar-24	PF/FW	Reproductive tools to improve livestock Germplasm	4	15	5	20	3	2	5	25
Apr-24	PF/FW	Summer Management of Livestock	3	15	5	20	3	2	5	25
Home Sc.										
April-2024	PF	Role of Kitchen Garden for food and nutritional security	5 Days	0	15	15	0	15	15	30
June-2024	PF	Combating malnutrition through Kitchen Garden	5 Days	0	10	10	0	5	5	15
July-2024	PF	Different models of Kitchen Garden	4 Days	0	10	10	0	5	5	15
Sept-2024	PF	Preparation of nutrient rich recipes to prevent malnutrition	5 Days	0	20	20	0	10	10	30
Octo-2024	PF	Value addition of seasonal fruits and vegetables	7 Days	0	20	20	0	10	10	30
Decmeber-2024	PF	Awareness about different drudgery reducing agriculture tools and equipment	4 Days	0	20	20	0	10	10	30
Ag. Extension										
July-2024	PF	Entrepreurship development through quality seed production	4 days	15	5	20	5	0	5	25
Sept-2024	PF	Entrepreneurship and Agri-Toursim for up scaling for Rural economy	4 days	15	5	20	5	0	5	25
Octo-2024	PF	Climate change: awareness and risk management	4 days	15	5	20	5	0	5	25
Decmeber-2024	PF	Importance of ICT tools for Farmer's development	4 days	15	5	20	5	0	5	25

Plan prot.										
April-2024	PF	Conservation of natural enemies and other beneficial insects in mustard	4 days	15		15	5		5	20
June-2024	PF	Role of beneficial insects in agriculture	4 days	15		15	5		5	20

July-2024	PF	Management of bud fly in agro-ecosystem of linseed	4 days	15		15	5		5	20
Aug-2024	PF	Preparation of neem based pesticides	4 days	15		15	5		5	20
Sept-2024	PF	Role solar light trap in Integrate pest management	4 days	15		15	5		5	20
Octo-2024	PF	Safe storage techniques for food grains and seeds	4 days	15		15	5		5	20
Nov-2024	PF	Management of dry root rot in pulses	4 days	15		15	5		5	20
Decmeber-2024	PF	Management of chickpea pod borer	4 days	15		15	5		5	20

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
April, 24	PF	Time, method and importance of Soil Testing	1	15	3	18	5	2	7	25
May, 24	PF	Management of Parthenium: A noxious weed	1	15	3	18	5	2	7	25
May, 24	PF	Agronomic Practices for Soil and Water conservation	1	15	3	18	5	2	7	25
Jun, 24	PF	Weed management in Pigeon pea	1	15	3	18	5	2	7	25
Jun, 24	PF	Nutrition and weed management in Sesame	1	15	3	18	5	2	7	25
Jun, 24	PF	Nursery management of Paddy	1	15	3	18	5	2	7	25
July, 24	PF	Importance of mulching and mixed cropping in Natural Farming	1	15	3	18	5	2	7	25
July, 24	PF	Jwor + Lobia for Green Fodder	1	15	3	18	5	2	7	25
July, 24	PF	Nutrition management in Pearl Millet	1	15	3	18	5	2	7	25
Sep, 24	PF	Time and benefits of thinning in Mustard crop	1	15	3	18	5	2	7	25
October, 24	PF	Intercropping of Mustard in Wheat	1	15	3	18	5	2	7	25
October, 24	PF	Use of Sulphur in Oilseed crops	1	15	3	18	5	2	7	25
Live Stock Production.										
Jan-24	PF	Prevention and control of Mastitis	1	15	5	20	3	2	5	25
Feb-24	PF	Important Production Diseases of Livestock	1	15	5	20	3	2	5	25
Mar-24	PF	Control and Prevention of HS in Farm Animals	1	15	5	20	3	2	5	25
Apr-24	PF	Cure of repeat breeding in livestock	1	15	5	20	3	2	5	25
May-24	PF	Vaccination and its importance in livestock farming	1	15	5	20	3	2	5	25
June-24	PF	Management of common diseases in goats	1	15	5	20	3	2	5	25
July-24	PF	Control of Communicable diseases in livestock	1	15	5	20	3	2	5	25
Aug-24	PF	Practices to preserve green fodder	1	15	5	20	3	2	5	25
Sept-24	PF	Management practices in goat rearing	1	15	5	20	3	2	5	25

Oct-24	PF	Backyard Poultry Farming	1	15	5	20	3	2	5	25
Nov-24	PF	Management of animal farm waste	1	15	5	20	3	2	5	25
Dec-24	PF	Winter management of livestock	1	15	5	20	3	2	5	25
Home Sc.										
Jan-24	PF	Importance of nutri-garden for food security	1 Day	0	10	10	0	10	10	20
Feb-24	PF	Kitchen garden for nutritional food security of rural families	1 Day	0	10	10	0	5	5	15
Mar-24	PF	Protein and energy rich diet for school going children	1 Day	0	10	10	0	10	10	20
Apr-24	PF	Importance of SHGs for gender mainstreaming	1 Day	0	15	15	0	10	10	25
May-24	PF	Women empowerment through various income generating activities	1 Day	0	15	15	0	10	10	25
June-24	PF	Preparation of recipes by using coarse grain and pulses for pregnant and lactating women	1 Day	0	15	15	0	10	10	25
Plant Protection										
Jan-24	PF	Management of aphid in agro-ecosystem of lentil	1	15		15	5		5	20
Feb-24	PF	Safe storage techniques for food grains and seeds	1	15		15	5		5	20
Mar-24	PF	Role of deep summer ploughing in IPM	1	15		15	5		5	20
Apr-24	PF	Natural enemies conservation techniques in kharif crops	1	15		15	5		5	20
May-24	PF	Role of cultural practices in integrated pest management	1	15		15	5		5	20
Aug-24	PF	Management of stem borer in paddy	1	15		15	5		5	20
Sept-24	PF	Management of capsule borer in sesame	1	15		15	5		5	20
Oct-24	PF	Erection of bird perches and its utility	1	15		15	5		5	20
Nov-24	PF	Nipping and its importance in chickpea production	1	15		15	5		5	20
Dec-24	PF	Management of wilt in pulses	1	15		15	5		5	20
Agriculture Extension										
Jan-24	PF	Market driven approaches for better functioning of SHG and FPO	1	15	5	20	5	0	5	25
Feb-24	PF	Agri start up support from banks	1	15	5	20	5	0	5	25
Mar-24	PF	Mobile apps: Knowledge hub for farmers	1	15	5	20	5	0	5	25
Apr-24	PF	Awareness about Agri–Infrastructure fund	1	15	5	20	5	0	5	25
May-24	PF	Agricultural marketing: problem and solutions	1	15	5	20	5	0	5	25
Aug-24	PF	Role of FPO in enhancing farmer's income	1	15	5	20	5	0	5	25
Sept-24	PF	Awareness about KisanSarathi portal	1	15	5	20	5	0	5	25
Oct-24	PF	Different Govt. Schemes for Agri-preurship for farmers	1	15	5	20	5	0	5	25

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Wheat	Seed production	Seed Production of wheat for income generation.	Sep, 2024	21	15	3	18	5	2	7	25
Rural Craft	Rural Craft	Income Generation through Handicraft making	May, 2024	21	0	10	10	0	10	10	20
Mushroom	Mushroom Production	Mushroom production techniques	Oct, 2024	21		15	15		5	5	20
Others	Transfer of technology	Agriculture Extension service provider	Aug, 2024	21	15	5	20	5	0	5	25
Poultry	Income generation	Commercial Poultry Farming	Aug-2024	21	20	5	25	5	5	10	35

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, 24	EP	Concept of Natural Farming	4	15	3	18	5	2	7	25
Feb 24	EP	Agronomic Practices of millets crops	4	15	3	18	5	2	7	25
July, 2024	Krishi Sakhi and Aganwadi Workers	Household food and nutritional security through Kitchen Garden	5	0	10	10	0	10	10	20
September, 2024	Krishi Sakhi and Aganwadi Workers	Role of hygiene and sanitation for health wellbeing	5	0	10	10	0	10	10	20
May, 2024	EF	Integrated Pest Management (IPM): A Modern Trend	5	15		15	5		5	20
Aug-2023	Extension personnel	Role of Social media in transfer of technology	02 days	10	5	15	5	5	10	25
Octo, 2023	Extension personnel	Soft Skills for extension professional for better dissemination of technology	02 days	10	5	15	5	5	10	25
Nov-24	Extension personnel	Advances in feed and fodder production technologies for livestock	7	15	-	15	5	-	5	20

iv) Sponsoredprogramme (as per demand)

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								

XXXXXX