ACTION PLAN OF KVK BULANDSHAHR

(1st January - 31st 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
KVK Bulandshahr Near Tehsil Sadar, Khurja Road Bulandshahr (U.P.) PIN-203001	Office 05732-223103	FAX	bulandshahrkvk@gmail.com	www.bulandshahr.kvk4.in

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

Address	Telephone		E mail	Website
	Office	FAX		
SVPUA&T, Modipuram Meerut (U.P.)	0121-2411511		deesvpuat2014@gmail.com	www.svbpmeerut.ac.in

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

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : 1478

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

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Reshu Singh	05732-223103	6396522314	Reshu_258@rediffmail.com

1.4. Year of sanction: 2004

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	SMS/ Asstt. Prof.	Dr. Reshu Singh	SMS/ Asstt Prof.	Plant protection	15600-39100	8000	107200	23-06-2008	Permanent	SC	9412672253	reshu_258@rediffmail.com	
2	SMS/ Asstt. Prof.	Dr. Anant Kumar	SMS/ Asstt. Prof.	Horticulture	15600-39100	8000	104100	23-06-2008	Permanent	SC	9837559055	dr.anantkumar1@gmail.com	

3	SMS/ Asstt. Prof.	Dr. Laxmi Kant Saraswat	SMS/ Asstt. Prof.	Plant Breeding	15600-39100	8000	104100	11-07-2008	Permanent	Gen	9910166153	saraswatlaxmikant4@gmail.com	
4	SMS/ Asstt. Prof.	Dr. Vivek Raj	SMS/ Asstt Prof.	Agronomy	15600-39100	7000	104100	26-12-2008	Permanent	Gen	9412890886	drrajvivek@gmail.com	
5	SMS/ Asstt. Prof.	Dr. Kirti M. Tirpathi	SMS/ Asstt Prof.	Home Science	15600-39100	6000	89900	26-12-2008	Permanent	Gen	9410675174	kirtitripathi.dixit@gmail.com	
6	SMS	Dr. Nadeem Shah	SMS	Animal Science	15600-39100	5400	56100	16-08-2022	Permanent	OBC	8950492825	drnadeem.ndri@gmail.com	
7	Computer Programmer	Sh. Zayeem Khan	Prog. Asstt	Computer	9300-34600	4600	56900	30-07-2007	Permanent	Gen	8126504311	zksvpu@yahoo.com	
8	Accountant / Superintendent	Sh. R. K. Garg	Accountant/superintendent	Account	9300-34600	4800	86100	17-01-2094	Permanent	Gen	9457034310	gargsvpuat@gmail.com	
9	Training Assistant	Sh. Suraj Bhan	Training Assistant	Agronomy	15600-39100	5400	93000	26-12-2008	Permanent	OBC	8273443441	surajbhan.kvk@gmail.com	
10	Driver cum machanie	Sh. Papin Kumar	Driver	-	5200-20200	2400	34300	26-12-2008	Permanent	OBC	8057332297	-	
11	Supporting staff	Sh. Harish Kumar	Attendant	-	5200-20200	1900	29300	26-12-2008	Permanent	SC	8439208655	-	

1.6. Total land with KVK (in ha) : 10.00

S. No.	Item	Area (ha)
1	Under Buildings	0.4
2.	Under Demonstration Units	Nil
3.	Under Crops	8.0
4.	Horticulture	0.4
5.	Pond	-
6.	Others if any	1.2

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	2023	550	1.39 cr	March 2021	-	Completed
2	Farm godown, Two Room, Tubewell	Revolving Fund	2014	46.56	714904.00	Oct, 2011	-	Completed

B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on March, 2023	Present status
Bolero	2022	ICAR			Working
Tractor	2017		525000.00		Working
Bike (Motor Cycle)	2010		50000.00		Working

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
01 Computer	2010		Not working
04 Computer	2017	197470.00	Working
02 Lab top	2017	108980.00	Working
Digital camera	2010	15000.00	Not working
01 Laser printer	2010	12000.00	Not working
02 Laser printer	2017	36400.00	Working
01 LED 42”	2017	55745.00	Working
Motrized Screen	2017	25569.00	Working

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

Sl.No.		Date
1.	Scientific Advisory Committee	November 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	Ganga khaddar	Agriculture+ Horticulture + Animal Science	Light brown sandy loam to sandy
2	Ganga recent alluvium	Agriculture+ Horticulture + Animal Science	Light gray to light brownish gray, sandy loam
3	Ganga upland	Agriculture+ Horticulture + Animal Science	Light gray to light brownish gray, sandy loam
4	Ganga Flats	Agriculture+ Horticulture + Animal Science	sandy loam
5	Central low lands	Agriculture+ Horticulture + Animal Science	sandy loam
6	Yamuna Flats	Agriculture+ Horticulture + Animal Science	sandy loam

b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography	Drainage
1.	Ganga khaddar	Light brown sandy loam to sandy, generally structure less, medium in water holding capacity and organic matter, moderately alkaline, restricted drainage, surface soils poor in lime contents but the middle layer is calcareous, medium in soluble salts, carbonates and sulfates practically absent	Upper Ganga Canal
2.	Ganga recent alluvium	Light gray to light brownish gray, sandy loam, average water holding capacity, neutral in reaction, slightly calcareous, low in organic matter content, impeded drainage and prone to salinity in the water logged areas, average in soluble salts but injurious carbonates are absent.	Upper Ganga Canal
3.	Ganga upland	Light gray to light brownish gray, sandy loam, average water holding capacity, neutral in reaction, slightly calcareous, low in organic matter content, impeded drainage and prone to salinity in the water logged areas, average in soluble salts but injurious carbonates are absent.	Upper Ganga Canal
4	Ganga Flats	Brown at surface and lighter brown, sandy loam, medium water holding capacity, neutral non-calcareous, fair drainage, low in soluble salts mainly comprising of bicarbonates and chlorides of sodium.	Upper Ganga Canal
5	Central low lands	The color varies from gray to grayish brown at the surface to slightly light at lower depths. Light texture at surface but becoming heavier below, medium water holding capacity, neutral in reaction but lower layers moderately calcareous. High soluble salts that increase with depth.	Upper Ganga Canal
6	Yamuna Flats	Surface soil gray in color which darkens below, becoming gray again in the third horizon.	Upper Ganga Canal

c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	Ganga khaddar	Lack of organic matter	6
2.	Ganga recent alluvium	Leaching of nutrients	1
3.	Ganga upland	Lack of organic matter	4
4	Ganga Flats	High pH of Soil	5
5	Central low lands	Leaching of nutrients	2
6	Yamuna Flats	Leaching of nutrients	3

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

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)	Yield gap (q/ha) with respect to demo	Yield gap (q/ha) with respect to potential yield
1	**Wheat**	202846	7557717	38.20	5.0	5.2
2	**Sugarcane**	69561	28527311	720.60	98.0	117.0
3	**Paddy**	87195	2082216	23.88	7.5	8.8
4	**Maize**	52631	1073672	20.40	3.0	5.8
5	**Pigeon Pea**	9555	66025	6.91	3.5	4.4
6	**Rape seed & Mustard**	8408	106781	12.70	2.6	3.2
7	**Potato**	7668	1557677	203.14	51.5	64.2

Source: District agriculture department.

2.3. Weather data (2022-23)

Year	Month	Rainfall (mm)	Temperature ^{0}C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2023	**January**	20	18.40	7.85	100	60.5
	February	0	26.62	11.50	98.14	36.5
	March	116	28.99	15.93	100	38.3
	April	10.5	34.84	18.93	85	20.3
	May	7.95	35.76	22.65	88	30.2
	June	133.0	36.51	26.24	89.50	43.4
	July	318.0	33.42	27.08	100	71.0
	August	90.5	33.89	26.90	-	-
	September	63.5	34.22	25.06	-	-

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

Category	Population	Production	Productivity	Productivity gap
Cattle				
Crossbred	67852	8236 mt.		
Indigenous	104142			
Buffalo	1225246	10562.6 mt		
Sheep				
Crossbred	2446			
Indigenous	5839			
Goats	196731			
Pigs				
Crossbred	9124			
Indigenous				31435
Rabbits	178			
Poultry				
Hens	182178			
Desi				
Improved				

*Statical report

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
Bulandshahr	Bulandshahr	Gijhori, Chawli. Devli, Jainpur. Kahira, Sehkari nagar, Naithla Hasnpur, Tajpur, Malagarh	Rice, wheat pigeon pea sugarcane, potato, vegetables, Mango, Animals poultry	Wheat 42.3/ha Rice- 25 Sugarcane 1035 Potato -300 Pegeon Pea-11.4	Weed problem, Termite, white grub, Sterility in animal	Low organic matter, More infestation of insect -pest , and diseases
	Sikandrabad	Nithari, Shekhpur Gendpur, Mansukhgarhi	Rice, wheat pigeon pea sugarcane, potato, Mango, Animals Bee keeping, Vegetables	Wheat 42.3/ha Rice- 25 Sugarcane 1035 Potato -300 Pegeon Pea-11.4	Diseases (BLB) Termite, white grub, Sterility in animal	Low organic matter, More infestation of insect - pest , and diseases
	Lakhaoti	Lakhaoti, Pipala, Rahmapur shyavali, Seekari	Rice, wheat pigeon pea sugarcane, potato, Carrot, Mango, Animals, Floriculture	Wheat 42.3/ha Rice- 25 Sugarcane 1035 Potato -300 Pegeon Pea-11.4	white grub, Sterility in animal, Diseases (BLB), Weed problem, Termite,	Low organic matter, More infestation of insect - pest , and diseases
	Gulaoti	Kota, Ginorashekh,Baral, Ulehra, Harchana Mohana, Gyastipur. Nai basti	Rice, wheat pigeon pea sugarcane, potato, Mango, Animals Agro-forestry	Wheat 42.3/ha Rice- 25 Sugarcane 1035 Potato -300 Pegeon Pea-11.4	Diseases (BLB) Weed problem, Termite, white grub, Sterility in animal	Low organic matter, More infestation of insect - pest , and diseases
	Jahangirabad	Surajpur Tilkri	Rice, wheat pigeon pea sugarcane, potato, Mango, Animals Bee keeping	Wheat 42.3/ha Rice- 25 Sugarcane 1035 Potato -300 Pegeon Pea-11.4	Diseases (BLB) Weed problem, Termite, white grub, Sterility in animal	Low organic matter, More infestation of insect - pest , and diseases

2.6 Top five major priority thrust areas:

Crop	Thrust area
Rice	Weed Management
Rice	Integrated diseases Management/ varietal
Sugarcane	Integrated pest management/ Varietal
Wheat	Weed management
Agro-forestry- Poplar	Varietal demonstration / evaluation
Turmeric	Value addition
Maize	Drudgery reduction/ varietal

Mango	Rejuvenation of old orchard/ nutrient management
Animal Husbandry	Animal nutrition management
Vegetables	Varietal evaluation, Nutrient management

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
08	50	102.4	425

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
126	3420	25	20185

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
230	20500	-	1200

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	01									
Seed / Plant production										
Weed Management	01			01						
Integrated Crop Management										
Integrated Nutrient Management				01						
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management				01						
Integrated Disease Management										
Resource conservation technology						01				
Small Scale income generating enterprises										
TOTAL	**02**			**03**		**01**				

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

B. Details of On Farm Trial

S.N.	OFT	
1.	**Crop/Enterprises**	Mango
	Title	Canopy management of mid-age mango orchards (>25years) though centre opening
	Thematic area	Resource conservation
	Major Problems	Low productivity of mango varieties Dashaheri and Langra due to highly dense mango orchards
	Major Cause	• Low light interception • Low photosynthesis • Highly dense tall trees with intervening branches • Use of imbalance dose of nutrients • Incidence of Gummosis
	Name of interventions	T1 Farmers practice-No pruning + Application of 2 kg DAP in the month of October T2 Centre opening + COC - 2kg + FYM, N, P, K, B, Zn and $CuSO_4$ @ 50kg, 1000, 750, 750, 250, 250 and 250 gm/tree/year
	No. of farmers	05
	Area	05 plant/location=25 plants
	Cost of input	Rs 6000/-
	Source of Technology	ICAR-CISH, Lucknow
	Critical Input	COC, Boron, Zinc and $CuSO_4$
	Observation to be recorded	• Days to flowering after pruning • Days to fruit set after pruning • Size of fruit • Fruit yield • Percent of disease incidence and insect infestation
	Name of Scientist	**Dr. Anant Kumar**
2.	**Crop/Enterprises**	Sugarcane
	Title	Assessment of IPM module for the management of shoot borer, top borer in sugarcane
	Thematic area	Integrated Pest Management
	Major Problems	Loss in cane yield (10-24%) of the crop leading to reduction in farmer's income
	Major Cause	• Low quality cane production and reduction in crop productivity due to heavy infestation of shoot borer, top borer. • Reduction in height and weight of cane due to such common borer infestation • High residual effect in bi-products of sugarcane due to non judicious use of pesticides to control borer • Increase in infestation rate due to excess use of nitrogenous fertilizer.

	Name of interventions	T1- Farmers practice- Furadan 3G @ 30 kg/ha and Chlorantraniliprole 18.5 SC @375 ml/ha T2- • Preference to the single bud method of sugarcane cultivation. • For the ease of **Seed treatment:** Chlorpyriphos 20 EC @ 40 ml and Carbendazim @50g/10 lit water • **Soil application:** Fertera 0.4 G @22.5 kg/ha at planting and drenching of Chlorantraniliprole 18.5 SC @375 ml/ha in 700 lit. of water at 60 DAP • **Installation of Trichocard** @7.5 card/ha(@50000 parasitoid/ha) at 45,60,75(at two weeks), 150 and 180 DAP(5 times during peak of egg laying) • **Pheromone traps** @ 27/ha at 45 DAP (lure change at an interval of 45 days) 10 meter distance from boundary & 20 meter distance between 2 trap should be maintain.
	No. of farmers	05
	Area	2.0 hectare (0.4×5= 2.0)
	Cost of IPM modules	Rs. 9038.00/acre(Total Rs. 45190/- for 2.0 hectare area
	Source of Technology	ICAR-IISR, Lucknow
	Critical Input	Chloropyriphos 20 EC, Carbendazim 50WP, Fertera 0.4G, Trichocard and Pheromone trap with lure
	Observation to be recorded	• Germination percent • No of tillers/5*2 m^2 • Height (m) of healthy and infected cane. • Cane girth (cm) of healthy and infected (5 cane each insect. • Infestation % of shoot borer & top borer. • Weight (g) of healthy and infested cane • Infestation of other insect-pest • Yield (t/ha) • B:C ratio • Meteorological data for crop period
	Name of Scientist	**Dr. Reshu Singh**
3.	**Title**	Weed Management in Transplanted Rice through chemical method.
	Problem diagnosed	Rice is one of the major crop in the district during *Kharif* season covering more than 0.94 lakh ha area. Heavy infestation of weeds (*Echinochloa colona, Echinochloa crusgalli, Fimbristylis milliaceae, Cyprus rotendus, Cyprus difformis, Marsilea quadrifolia etc.*) causes competition with main crop and reduces the crop yield drastically.
	Micro farming situation	Irrigated condition with Medium land under Rice-Wheat cropping system.
	Thematic area	IWM

Details of technology identified for solution	T_1: Bis-pyribac Sodium 10% @ 200-250 ml/ha T_2: Trifamone 20%+Ethoxysulfuron10%WG @ 90g/ha. T_3: Bispyribac Sodium 38% + Chlorimuron Ethyl 2.5% + Metsulfuron Methyl 2.5%(w/w) WG @ 100g/ha
Source of Technology	ICAR-DWR, Jabalpur
No. of farmers	10
Area	(10x800)=8000 sq. m.
Critical inputs	Weedicide
Total Cost	Rs. 4000.00/- approx.
Performance Indicator	
Technical	• Weed density at 30 and 45 DAT (No. of weeds/m^2). • Number of different weeds species (Number/m^2). • Total weed dry weight (g/m^2) • Major weed flora. • Number of effective tillers per plant (Number/m^2).
Economical	• Grain Yield (q/ha). • Straw Yield (q/ha). • Cost of Cultivation (Rs./ha) • Net Return (Rs./ha) • Cost Benefit Ratio (C:B Ratio)
Social	• Adoption Rate. • Suitability of Technology. • Feedback of farmers
Name of Scientist	**Dr. Vivek Raj**

4.	**Crop/Enterprises**	Sugarcane (Zaid-2024)
	Problem diagnosed	Low yield of sugarcane
	Major cause	High infestation of insect pests and weed
	Thematic Area	INM and WM
	Details of technologies selected for assessment/refinement	T1: Farmer's practice (flood irrigation + 400K urea + 130 kg DAP +0 kg potash per kg) T2: Use balanced fertilizer as per soil testing value and irrigate on the basis of soil moisture indicator
	Replications	03 (Area – 0.4 * 3 = 1.2 ha)
	Critical inputs	SMI (Soil Moisture Indicator) Balanced fertilizer NPK
	Source of technology	ICAR-IARI, New Delhi
	Observations to be recorded	• Pest build up (insect, disease infestation and weed population per m) • No. of irrigation and fertilizer saving • Cost of cultivation • Yield q/ha • B:C ratio
	Name of Scientist	**Dr. Vivek Raj and Dr. Reshu Singh**
5.	**Crop/Enterprises**	Wheat (Rabi 2024-25)
	Problem diagnosed	Low production in late sown condition
	Major cause	Sowing of traditional variety in late sown condition through broadcasting method
	Thematic Area	Varietal
	Details of technologies selected for assessment/refinement	T1: Farmer's practice – Use of old variety (DBW-173) and application of 100:60:0 kg NPK T2: Line sowing of wheat variety HD-3298 + application of recommendation dose of fertilizer @ 80:60:40 and Zinc (on he basis of soil testing)
	Source of technology	ICAR-IARI, New Delhi
	No. of farmers	06
	Critical inputs	Seed + balanced fertilizer
	Plot size & sowing time	800 sq. m per farmer & between 15-30 Dec.
	Observations to be recorded	• Seed rate • Plant population per m2 at 20-25 days & at harvesting • No. of effective tillers (60 DAS) • Days taken to maturity

		• Yield 10 m^2 area (randomly from 4-5 places) per q per ha • B:C ratio
	Name of Scientist	**Dr. Laxmi Kant Saraswat**
6.	Crop/Enterprises	**Buffalo (Age group – 5 to 8 years)**
	Title	Management of **repeat breeding** in dairy animals
	Major Problems	Higher incidences of repeat breeding
	Major cause	Nutritional deficiency and hormonal disbalance
	Name of intervention	T1 : Farmers practice: Use of choker and common salt T2 : Dewormer + Use of Feed Supplement (Trace mineral) @50 gm /day /animal for 3 months + Hormonal treatment if needed
	No. of Farmer	10 + 10
	Thematic Area	Reproduction and breeding management
	Cost of input	Rs. 10000/-
	Source of Technology	ICAR-IVRI, Izatnagar
	Critical Input	Mineral Mixture, Dewormer & hormonal treatment as per need
	Performance indicator	**Technical** Non Return Rate Calving to conception interval Conception rate **Economic:** C:B Ratio **Social:** Adoptability
	Name of Scientist	**Dr. Nadeem Shah**
7.	Crop/Enterprises	**Cattle/Buffalo**
	Title	Management of **Peri-parturient** problems in dairy animals
	Major Problems	Poor management practices during Peri-parturient period
	Major cause	Poor nutrient management
	Name of intervention	**T1** : Farmers practice: Use of choker +Common salt **T2** : Use of Feed Supplement (Metabolite mixture@100g/day) during transition period
	No. of Farmer	10 + 10
	Thematic Area	Reproduction and breeding management
	Cost of input	Rs. 10000/-
	Source of Technology	ICAR-NDRI, Karnal
	Critical Input	Metabolite mixture
	Performance indicator	A) **Technical** 1. Incidence of post parturient problems (%) 2. Service period 3. Conception rate B) **Economic:** C:B Ratio C) **Social:** Adoptability

	Name of Scientist	**Dr. Nadeem Shah**
8	Crop/Enterprises	**Home Science**
	Title	Hunger free village
	Name of Scientist	Dr. K. M. Tripathi

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 farmer/ demon.	Parameters identified (Yield related attributes, yield economics and farmers' perception
1	Paddy	Weed management	Use of new generation herbicides (Triafamone20%+ Ethoxysulfuron 10% WG)	Chemical herbicides	Kharif-2024	8.0	20	1. No of tillers/ hills. 2. Yield (t/ha). 3. Economics (C:B)
2	Maize	Integrated Pest Management Against Fall army worm	Use of Fall Army Worm (FAW) traps for monitoring + Use of Cyantraniliprol 19.8% + Thiamethoxam 19.8% @ 32ml/8 kg seed	Insecticide	Zaid-2024	6.0	15	1. Insect incidence (%) 2. Yield (qt/ha) 3. Economics (C:B)
3	Paddy	Integrated Disease Management against sheath blight	Use of Trichoderma soil application @ 5 kg/ha + Foliar spray of Axoxystrobin + tebuconazole @ 625 ml/ha	Fungicide	Kharif -2024	6.0	15	1. Yield (qt/ha) 2. Disease incidence (%) 3. Economics (C:B)
4	Mango	Integrated Pest Management against Thrips	Use of Buprofezin 21% + Fipronil 3.85% SC @ 2 ml/lit	Insecticide	Kharif 2024	2.0	15	1. Insect incidence (%) 2. Yield (qt/ha) 3. Economics (C:B)
5	Wheat	Weed Management	Use of latest herbicide (Pinoxaden 5.1% EC @1 Liter/ha + Met Sulfuron - 20 g/ha) timely sown wheat for reducing the cost of cultivation.	Weedicide	Rabi 2024-25	8.0	20	1. No of weeds/ m^2. 2. Yield (t/ha). 3. Economics (C:B)
6	Bottle gourd	Varietal Evaluation	Demonstration of high yielding variety Pusa Santushi	Seeds	Kharif -2024	400 m2	10	1 Germination % 2 No. of fruits /plant 3 No. of harvest/plant 4 Yield & Net return 5 C:B Ratio 6 Adoptability
7	Yellow Carrot	INM	Soil application of sea weed extract for the enhancement of root growth@ 10kg/ha	sea weed extract	Rabi 2024-25	4.0	10	1 Root weight (kg) 2 Sale price (Rs) 3 Days to maturity 4 C:B Ratio 6 Adoptability
8	Cucumber	Varietal Evaluation	Demonstration of high yielding variety	Pusa Sanyog	Zaid 2024	2.0	10	1. No. of fruits /plant 2. Yield & Net return 3. C:B Ratio Adoptability
9	Paddy	Varietal Evaluation	To demonstrate the increase yield through newly released variety of basmati rice	Pusa 1847/ other high yielding variety	Kharif 2024	8.0	20	1 No. of grains/spike 2 1000 grain weight (gm) 3 Grain yield (qt/ha) 4. 4 Economics
10	Maize	Varietal Evaluation	To demonstrate the new maize variety for higher yield	Decalb 8181	Kharif 2024	2.0	10	1 No. of grains/spike 2 1000 grain weight (gm) 3 Grain yield (qt/ha) 4 Economics
11	Wheat	Varietal	To demonstrate the new wheat variety	Variety	Rabi 2024-25	8.0	20	1 No. of grains/spike

		Evaluation	(DBW-303) for higher yield	DBW-303/ other high yielding variety				2 1000 grain weight (gm) 3 Grain yield (qt/ha) 4 Economics
12	Moong	Varietal Evaluation	To demonstrate the new moong variety (Shikha -02) for higher yield	variety (Shikha -02)	Zaid 2024	8.0	20	1 No. of grains/spike 2 1000 grain weight (gm) 3 Grain yield (qt/ha) 4 Economics
13	Entrepreneurship development though Home-made soaps	Strengthening of SHGs	Demonstration of preparation of Home made with natural ingredients.	Soap base, glycerin, Coconut Oil, Almond oil, colors and Packaging material	Rabi 2024-25	-	20	a) Skin patch tests Economics: B:C Ratio
14	Drudgery reduction through Sugarcane bud cutter	Drudgery reduction	Reducing drudgery through sugarcane single bud cutter	Sugarcane Bud-cutter	Rabi 2024-25	-	10	a) Cardiac Cost b) Time c) Field Economics: C:B ratio
15	Drudgery reduction through tubular maize sheller	Drudgery reduction	Reducing drudgery through tubular maize sheller	tubular maize sheller	Rabi 2024-25	-	50	a) Cardiac Cost b) Time c) Field Economics: C:B ratio
				Total		**62.4**	**265**	

Sponsored Demonstration

Crop	Area (ha)	No. of farmers
Mustard (RH-0725/0749)	20.0	50
Lentil (L-4717)	10.0	25
Green Gram (Pusa Virat)	10.0	25
TOTAL	**40.0**	**100**

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	07	Jan-Dec	210
2	Farmers Training	20	Jan-Dec	350
3	Media coverage	15	Jan-Dec	Mass
4	Training for extension functionaries	05	Jan-Dec	100

C. Details of FLD on Enterprises

(i) Farm Implements

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

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Worm load and tick infestation in Calf	Calf management	20	20	Endo- and Ecto-parasiticidal remedies	1. Mortality rate 2. Treatment cost 3. Growth Rate 4. B:C ratio
Imbalanced feeding in milch cattle/ buffalo.	Milch cattle/ Buffalo	20	20	Mineral Mixture	1. Milk production 2. Heat/estrus period. 3. Adoptability. 4. Economics (B:C ratio)
Prepartum	Milch animals	20	20	Vitamin E	1. Milk yield

Vitamin E supplementation in feed				supplement	2. Postpartum uterine problems 3. Calving to conception interval 4. B:C ratio
	Total	**60**	**60**		

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	Chemical weed control measures of timely sown wheat	16	02	18	02	0	02	20
Resource Conservation Technologies	Soil Testing & its use in fertilizer management in Kharif crops	16	02	18	02	0	02	20
Integrated Farming	Scientific cultivation of coarse millet crops	16	02	18	02	0	02	20
Natural farming	Natural farming a new approach for sustaining bio-diversity	16	02	18	02	0	02	20
	Total	**64**	**8**	**72**	**8**	**0**	**8**	**80**
II Horticulture								
a) Vegetable Crops								
Off-season vegetables	Off season vegetable production technique in low tunnel poly house	16	02	18	02	0	02	20
Protective cultivation (Green Houses, Shade Net etc.)	Vegetable seedling raising in low cost poly hosue/net house	16	02	18	02	0	02	20
b) Fruits								
Layout and Management of Orchards	Layout and Management of New Orchards	16	02	18	02	0	02	20
Plant propagation techniques	Propagation techniques of fruit and ornamental plants	16	02	18	02	0	02	20
	Total	**64**	**8**	**72**	**8**	**0**	**8**	**80**
III Livestock Production and Management								
Dairy Management	Importance of timed artificial insemination	16	02	18	02	0	02	20
Dairy Management	Care and management of neonatal calves	16	02	18	02	0	02	20
Disease Management	Care and management of farm animals against ecto- and endo- parasite	16	02	18	02	0	02	20
Feed management	Importance of balanced diet in animal fertility and milk production	16	02	18	02	0	02	20
	Total	**64**	**8**	**72**	**8**	**0**	**8**	**80**
IV Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	Management of Nutri-garden in Kharif season and machaan preparation	16	02	18	02	0	02	20
Design and development of low/minimum cost diet	Importance of millets in diet and different preparation of Bajra	16	02	18	02	0	02	20
Designing and development for high nutrient efficiency diet	Awareness about poshak thali and its preparation	16	02	18	02	0	02	20
Gender mainstreaming through SHGs	Soap preparation for income generation	16	02	18	02	0	02	20
	Total	**64**	**8**	**72**	**8**	**0**	**8**	**80**
V Plant Protection								
Integrated Pest Management	Production technique of Entomopathogenic nematode	16	02	18	02	0	02	20
Integrated Pest Management	House hold level production of different traps	16	02	18	02	0	02	20
Integrated Disease Management	Production techniques of natural farming based plant protection measures	16	02	18	02	0	02	20
Production of bio control agents and bio pesticides	Mass production of biocontrol agents	16	02	18	02	0	02	20
	Total	**64**	**8**	**72**	**8**	**0**	**8**	**80**
VI Others (Plant Breeding)								
Seed Production	Roughing technique in wheat seed production	16	02	18	02	0	02	20

Seed Production	Seed production of Urd and Moong bean	16	02	18	02	0	02	20
Seed Production	Seed production of scented rice	16	02	18	02	0	02	20
Seed Production	Seed production of Urd in kharif season	16	02	18	02	0	02	20
	Total	**64**	**8**	**72**	**8**	**0**	**8**	**80**
TOTAL		**384**	**48**	**432**	**48**	**0**	**48**	**480**

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	60	12	72	12	06	18	90
Resource Conservation Technologies	2	40	08	48	08	04	12	60
Crop Diversification	2	40	08	48	08	04	12	60
Integrated Farming	2	40	08	48	08	04	12	60
Integrated Crop Management	1	20	04	24	04	02	06	30
Production of organic inputs	1	20	04	24	04	02	06	30
Total	**11**	**220**	**44**	**264**	**44**	**22**	**66**	**330**
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	40	08	48	08	04	12	60
Nursery raising	1	20	04	24	04	02	06	30
Export potential vegetables	2	40	08	48	08	04	12	60
Grading and standardization	1	20	04	24	04	02	06	30
Protective cultivation (Green Houses, Shade Net)	1	20	04	24	04	02	06	30
Others	2	40	08	48	08	04	12	60
b) Fruits								
Cultivation of Fruit	1	20	04	24	04	02	06	30
c) Medicinal and Aromatic Plants								
Production and management technology	1	20	04	24	04	02	06	30
Total	**11**	**220**	**44**	**264**	**44**	**22**	**66**	**330**
III Livestock Production and Management								
Dairy Management	3	60	12	72	12	06	18	90
Poultry Management	1	20	04	24	04	02	06	30
Rabbit Management /**Goat**	1	20	04	24	04	02	06	30
Disease Management	4	80	16	96	16	08	24	120
Feed management	2	40	08	48	08	04	12	60
Total	**11**	**220**	**44**	**264**	**44**	**22**	**66**	**330**
IV Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	40	08	48	08	04	12	60
Design and development of low/minimum cost diet	2	40	08	48	08	04	12	60
Designing and development for high nutrient efficiency diet	4	80	16	96	16	08	24	120
Income generation activities for empowerment of rural Women	2	40	08	48	08	04	12	60
Location specific drudgery reduction technologies	1	20	04	24	04	02	06	30
Total	**11**	**220**	**44**	**264**	**44**	**22**	**66**	**330**
V Plant Protection								

Integrated Pest Management	06	120	24	144	24	12	36	180
Integrated Disease Management	04	80	16	96	16	08	24	120
Production of biocontrol agents and biopesticides	01	20	04	24	04	02	06	30
Total	**11**	**220**	**44**	**264**	**44**	**22**	**66**	**330**
VI Others (Plant Breeding)								
Seed Production	11	220	44	264	44	22	66	330
Total	**11**	**220**	**44**	**264**	**44**	**22**	**66**	**330**
Grand TOTAL	**66**	**1320**	**264**	**1584**	**264**	**132**	**396**	**1980**

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	4	76	14	90	14	06	20	110
Resource Conservation Technologies	3	56	10	66	10	04	14	80
Crop Diversification	2	40	08	48	08	04	12	60
Integrated Farming	3	56	10	66	10	04	14	80
Integrated Crop Management	2	36	06	42	06	02	08	50
Production of organic inputs	1	20	04	24	04	02	06	30
Total	**15**	**284**	**52**	**336**	**52**	**22**	**74**	**410**
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	40	08	48	08	04	12	60
Off-season vegetables	1	16	02	18	02	00	02	20
Nursery raising	1	20	04	24	04	02	06	30
Export potential vegetables	2	40	08	48	08	04	12	60
Grading and standardization	1	20	04	24	04	02	06	30
Protective cultivation (Green Houses, Shade Net etc.)	2	36	06	42	06	02	08	50
Other	2	40	08	48	08	04	12	60
b) Fruits								
Layout and Management of Orchards	1	16	02	18	02	00	02	20
Cultivation of Fruit	1	20	04	24	04	02	06	30
Plant propagation techniques	1	16	02	18	02	00	02	20
c) Medicinal and Aromatic Plants								
Production and management technology	1	20	04	24	04	02	06	30
Total	**15**	**284**	**52**	**336**	**52**	**22**	**74**	**410**
III Livestock Production and Management								
Dairy Management	5	92	16	108	16	06	22	130
Poultry Management	1	20	04	24	04	02	06	30
Rabbit Management/**Goat**	1	20	04	24	04	02	06	30
Disease Management	5	96	18	114	18	08	26	140
Feed management	3	56	10	66	10	04	14	80
Total	**15**	**284**	**52**	**336**	**52**	**22**	**74**	**410**
IV Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	3	56	10	66	10	04	14	80
Design and development of low/minimum cost diet	3	56	10	66	10	04	14	80
Designing and development for high nutrient efficiency diet	5	96	18	114	18	08	26	140
Gender mainstreaming through SHGs	1	16	02	18	02	0	02	20
Income generation activities for empowerment of rural Women	2	40	08	48	08	04	12	60
Location specific drudgery reduction technologies	1	20	04	24	04	02	06	30
Total	**15**	**284**	**52**	**336**	**52**	**22**	**74**	**410**
V Plant Protection								
Integrated Pest Management	8	152	28	180	28	12	40	220
Integrated Disease Management	5	96	18	114	18	08	26	140
Production of bio control agents and bio pesticides	2	36	06	42	06	02	08	50

Total	**15**	**284**	**52**	**336**	**52**	**22**	**74**	**410**
XII Plant Breeding								
Seed production	15	284	52	336	52	22	74	410
TOTAL	**15**	**284**	**52**	**336**	**52**	**22**	**74**	**410**
(B) RURAL YOUTH								
Mushroom Production	1	06	01	07	02	01	03	10
Seed production	1	06	01	07	02	01	03	10
Vermi-culture	1	06	01	07	02	01	03	10
Nursery Management of Horticulture crops	1	06	01	07	02	01	03	10
Dairying	1	06	01	07	02	01	03	10
Rural Crafts	1	06	01	07	02	01	03	10
TOTAL	**6**	**36**	**6**	**42**	**12**	**6**	**18**	**60**
(C) Extension Personnel								
Productivity enhancement in field crops	2	52	-	52	08	-	08	60
Integrated Pest Management	5	130	-	130	20	-	20	150
Integrated Nutrient management	3	78	-	78	12	-	12	90
Rejuvenation of old orchards	1	26	-	26	04	-	04	30
Protected cultivation technology	1	26	-	26	04	-	04	30
Formation and Management of SHGs	1	26	-	26	04	-	04	30
Management in farm animals	4	104	-	104	16	-	16	120
Livestock feed and fodder production	1	26	-	26	04	-	04	30
Women and Child care	1	26	-	26	04	-	04	30
Low cost and nutrient efficient diet designing	1	26	-	26	04	-	04	30
Gender mainstreaming through SHGs	2	52	-	52	08	-	08	60
Any other (Seed production)	5	130	-	130	20	-	20	150
Any other (Horticulture)	3	78	-	78	12	-	12	90
Total	**30**	**780**		**780**	**120**		**120**	**900**
G. TOTAL	**126**	**2520**	**318**	**2838**	**444**	**138**	**582**	**3420**

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	5	150	50	200	40	10	50	190	60	250
Kisan Mela	3	1600	150	1750	35	15	50	1635	165	1800
Kisan Ghosthi	8	1250	300	1550	80	20	100	1330	320	1650
Exhibition	3	1100	250	1350	30	20	50	1130	270	1400
Farmers Seminar	3	35	10	45	3	2	5	38	12	50
Lectures delivered as resource persons	55	1350	250	1600	250	50	300	1600	300	1900
Newspaper coverage	70	-	-	-	-	-	-	-	-	Mass
Radio talks	10	-	-	-	-	-	-	-	-	Mass
TV talks	6	-	-	-	-	-	-	-	-	Mass
Popular articles	10	-	-	-	-	-	-	-	-	Mass
Extension Literature	5	4500	500	5000	-	-	-	4500	500	5000
Advisory Services	25	-	-	-	-	-	-	-	-	300
Scientific visit to farmers field	150	1050	50	1100	-	-	-	1050	50	1100
Farmers visit to KVK	900	800	100	900			0	800	100	900
Diagnostic visits	50	400	150	550	40	10	50	440	160	600
Exposure visits	10	850	150	1000	0	0	0	850	150	1000
Soil health Camp	2	80	20	100	0	0	0	80	20	100
Animal Health Camp	2	250	40	290	10	0	10	260	40	300

Agri mobile clinic	2	170	20	190	10	0	10	180	20	200
Soil test campaigns	5	130	20	150	5	0	5	135	20	155
Farm Science Club Conveners meet	1	25	5	30	-	-	-	25	5	30
Self Help Group Conveners meetings	20	400	80	480	10	10	20	410	90	500
Mahila Mandals Conveners meetings	2	0	40	40	0	0	0	0	40	40
Celebration of important days (specify)	4	150	50	200	10	0	10	160	50	210
Pre Kharif workshop	1	1000	200	1200	0	0	0	1000	200	1200
Pre Rabi workshop	1	1300	200	1500	0	0	0	1300	200	1500
Total	**1353**	**12090**	**2135**	**14225**	**523**	**137**	**660**	**12613**	**2272**	**20185**

3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Paddy	Pusa- 1509	100
OILSEEDS	Mustard	RH-749/Pusa 25	100
PULSES	Dhencha	Green Manuring	-
	Pigeon Pea	Pant 2001	10
OTHERS (Specify)	Bajara	Pro Agro 7501	20
TOTAL			**230**

B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Mango	Dashari/Langda/Chausa etc	500
SPICES	Chilly	Parihot/Armer	5000
VEGETABLES	Cauliflower		5000
	Cabbage	S-92	2000
	Onion	Nasik Red/Bhima Super	5000
ORNAMENTAL CROPS	Mari Gold	Pusa Narangi	3000
		Total	**20500**

C) BIO-PRODUCT

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1	-	-	-	-

D) LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle	-	-	-	-
Goat	-	-	-	-
Sheep	-	-	-	-
Poultry	-	-	-	-
Fisheries	-	-	-	-

3.6 Literature to be Developed/Published

(A) KVK News Letter

Date of start : January 2024

Number of copies to be published : 500

(B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	5
2	Technical reports	5
3	News letters	2
4	Training manual all discipline	2
5	Popular article	10
6	Extension literature	10
	Total	**34**

(C) 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	Income generation activities	5

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

a. Brief introduction/Background-1

b. Interventions/process-1

c. Output-1

d. Outcomes-1

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) Farmers group discussion

b) Field level observations

c) Poor yield at farmer's level

Rural Youth

a) Youth group discussion

b) Field level observations

c) Poor yield at farmers level

In-service personnel

a) In- service group discussion

b) Field level observations

c) Need based

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT:

i) PRA

ii) Field level observations

iii) Farmer group discussions

iv) Others (Local need based)

For FLD:

i) New variety/technology

ii) Poor yield at farmers level

iii) Existing cropping system

iv) Others (Feedback of OFTs)

3.10 Field activities

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

Mansukhgarhi (Sikandrabad 2021)

Aulina (Agota 2021)

Naithla Hasanpur (Bulandshahr 2021)

Tazpur (Bulandshahr 2022)

Kahira (Bulandshahr 2023)

Pilkhanvali (Sikandrabad 2023)

ii. No. of farm families selected per village : **10 each**

iii. No. of PRA conducted : **1 each**

iv. No. of technologies taken to the adopted villages: 4-5 each village

v. Name of the technologies found suitable by the farmers of the adopted villages:

Nutrient intervention among Dairy animals, Nutri- Thali, IPM, IDM, INM, Feed and fodder management, Seed production

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

vii. Constraints if any in the continued application of these improved technologies

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab: NA

1. Year of establishment:

2. List of equipment purchase with amount

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

3. Targets of samples for analysis:

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

4.0 LINKAGES

4.1 Functional linkage with different organizations/department

Sl. No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	State Agriculture Department	Participatory/ Collaboration	Involvement of farmers in allied activities, and higher production of agri products
2.	PPO	Participatory/ Collaboration	Collaborative field visits for insect and pest infestation
3.	DHO	Participatory/ Collaboration	Collaborative field visits for insect and pest infestation and availability of high yielding fruit and vegetable seedlings to farmers
4.	DPO	Participatory/ Collaboration	Involvement of Anganbadi workers in the awareness programs
5.	NABARD	Participatory/ Collaboration	Awareness of different financial schemes to farmers
6	RSETI, PNB	Participatory/ Collaboration	Employment generation among farm women
7	NCIPM	Participatory/ Collaboration	Collaborative field visits for insect and pest infestation

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	Participatory/ Collaboration	Acknowledgement of different government schemes to farmers
2	Demonstration	Participatory/ Collaboration	Higher productivity of agri produce and availability of recent technologies
3	Awareness	Participatory/ Collaboration	Awareness among farmers and farm women regarding allied agri activities

5. Utilization of Hostel facilities: NA

S. No.	Programme	No. of days

1		
	Total	

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										
03-05.03.24	PF	Scientific cultivation of coarse millet crops	03	16	02	18	02	-	02	20
11-13.04.24	PF	Natural farming a new approach for sustaining bio-diversity	03	16	02	18	02	-	02	20
24-26.05.24	PF	Soil Testing & its use in fertilizer management in Kharif crops	03	16	02	18	02	-	02	20
28-30.11.24	PF	Chemical weed control measures of timely sown wheat	03	16	02	18	02	-	02	20
Horticulture										
26-28.01.24	PF	Off season vegetable production technique in low tunnel poly house	03	20	-	20	02	-	02	20
8-10.05.24	PF	Production techniques exotic vegetable like Broccoli / Brussel sprout/Leek.	03	20	-	20	02	-	02	20
11-13.07.24	PF	Different training system and protected cultivation techniques in cucurbits	03	20	-	20	02	-	02	20
15-17.08.24	PF	Vegetable seedling raising in low cost poly hosue/net house	03	20	-	20	02	-	02	20
16-18.11.24	PF	Layout and Management of New Orchards	03	20	-	20	02	-	02	20
23-25-11-24	PF	Propagation techniques of fruit and ornamental plants	03	20	-	20	02	-	02	20
Livestock prod.										
19-21.02.24	PF	Care and management of farm animals against ecto- and endo- parasite	03	16	02	18	02	-	02	20
13-15.05.24	PF	Importance of timed artificial insemination	03	16	02	18	02	-	02	20
15-17.07.24	PF	Importance of balanced diet in animal fertility and milk production	03	16	02	18	02	-	02	20
7-9.10.24	PF	Care and management of neonatal calves	03	16	02	18	02	-	02	20
Home Sc.										
15-17.01.24	PF	Importance of millets in diet and different preparation of Bajra	03	-	18	18	-	02	02	20
22-24.04.24	PF	Awareness about poshak thali and its preparation	03	-	18	18	-	02	02	20
15-17.07.24	PF	Management of Nutri-garden in Kharif season and machaan preparation	03	-	18	18	-	02	02	20
5-7.11. 24	PF	Soap preparation for income generation	03	-	18	18	-	02	02	20
Plan protection										
06-08.02.24	PF	Production technique of Entomopathogenic nematode	03	16	02	18	02	-	02	20
02-04.04.2024	PF	House hold level production of different traps	03	16	02	18	02	-	02	20
01-03.07.2024	PF	Production techniques of natural farming based plant protection measures	03	16	02	18	02	-	02	20
02-04.10.2024	PF	Mass production of biocontrol agents	03	16	02	18	02	-	02	20
Plant Breeding										
06-08.02.24	PF	Roughing technique in wheat seed production	03	16	02	18	02	-	02	20
02-04.04.2024	PF	Seed production of Urd and Moong bean	03	16	02	18	02	-	02	20
01-03.07.2024	PF	Seed production of scented rice	03	16	02	18	02	-	02	20
02-04.10.2024	PF	Seed production of Urd in kharif season	03	16	02	18	02	-	02	20
22-24.04.24	PF	Technique of seed production of Mustard	03	16	02	18	02	-	02	20
15-17.01.24	PF	Seed production technique of wheat	03	16	02	18	02	-	02	20

		Total	**84**	**408**	**108**	**516**	**48**	**8**	**56**	**560**

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										
08.02.24	PF	Utilization various pulse crops along with spring sugarcane for maintaining soil fertility	01	25	03	28	02	-	02	30
18.04.24	PF	Techniques of PMDS operation under natural farming for boosting soil fertility	01	25	03	28	02	-	02	30
02.06.24	PF	Scientific method of cultivation basmati rice under direct seeded	01	25	03	28	02	-	02	30
11.06.24	PF	Scientific crop production techniques in basmati rice as per export norms	01	25	03	28	02	-	02	30
18.06.24	PF	Role of sulphur for improving quantity and quality of Rape seed mustard.	01	25	03	28	02	-	02	30
21.09.24	PF	Crop residue management paddy stubble before sowing	01	25	03	28	02	-	02	30
03.11.24	PF	Integrated weed management technologies for timely sown wheat	01	25	03	28	02	-	02	30
20.11.24	PF	Preparation and maintence of various Arks for Rabi seasoned crops under natural farming	01	25	03	28	02	-	02	30
28.11.24	PF	Integrated weed management in late sown wheat	01	25	03	28	02	-	02	30
Horticulture										
14.01.24	PF	Commercial and nursery production in marigold throughout the year	01	25	03	28	02	-	02	30
15.02.24	PF	Integrated crop management in cucumber	01	25	03	28	02	-	02	30
10.03.24	PF	Cultivation techniques of Papaya	01	25	03	28	02	-	02	30
08.04.24	PF	Improved cultivation practices of Okra crops	01	25	03	28	02	-	02	30
26.05.24	PF	Vegetable seedling training in agroshade net for higher income	01	25	03	28	02	-	02	30
17.06.24	PF	Intercropping of vegetable with sugarcane cultivation techniques	01	25	03	28	02	-	02	30
29.07.24	PF	Cultivation techniques of Tomato in bower system	01	25	03	28	02	-	02	30
31.08.24	PF	Integrated crop management in cole crops (cabbage and cauliflower)	01	25	03	28	02	-	02	30
23.09.24	PF	Improved package and practices of carrot	01	25	03	28	02	-	02	30
21.10.24	PF	Production management of onion/garlic	01	25	03	28	02	-	02	30
09.11.24	PF	Integrated nutrient management in potato	01	25	03	28	02	-	02	30
27.12.24	PF	Sorting , grading and packaging of vegetables	01	25	03	28	02	-	02	30
Live Stock Production.										
10.01.24	PF/FW	Effect of deworming in milch animal	01	25	03	28	02	-	02	30
24.01.24	PF/FW	Prevention and control of FMD disease	01	25	03	28	02	-	02	30
07.03.24	PF/FW	Care and management of pregnant animal	01	25	03	28	02	-	02	30
24.04.24	PF/FW	Repeat breeding: prevention and control	01	25	03	28	02	-	02	30
27.05.24	PF/FW	Symptoms, prevention and control of H.S. disease	01	25	03	28	02	-	02	30
10.06.24	PF/FW	Prevention and control of Retained fetal membrane in farm animals	01	25	03	28	02	-	02	30
16.07.24	PF/FW	Symptoms, Prevention and control of mastitis in milch animals	01	25	03	28	02	-	02	30
12.08.24	PF/FW	Importance of balanced diet in animal fertility and milk production	01	25	03	28	02	-	02	30
26.08.24	PF/FW	Clean milk production	01	25	03	28	02	-	02	30
19.09.24	PF/FW	Importance of vaccination and its schedule in farm animals	01	25	03	28	02	-	02	30
20.12..24	PF/FW	Backyard Poultry Farming	01	25	03	28	02	-	02	30
Home Sc.										
27.01.24	PF	Nutritional benefits of Rabi Vegetables and	01	-	28	28	-	02	02	30

		fruits to boost immunity and different preparation								
28.02.24	PF	Maintaining nutri garden in Rabi season	01	-	28	28	-	02	02	30
21.03.24	PF	Importance of reducing tools and usage	01	-	28	28	-	02	02	30
19.04.24	PF	Nutritional benefits of Zaid Vegetables and fruits to boost immunity and different recipes	01	-	28	28	-	02	02	30
25.05.24	PF	Importance of millets in human diet and preparation of recipes from Jwar	01	-	28	28	-	02	02	30
29.06.24	PF	Budgeting at household level	01	-	28	28	-	02	02	30
28.07.24	PF	Preparation of beverages at household level with cucurbits	01	-	28	28	-	02	02	30
31.08.24	PF	Assessment of major micronutrient deficiency at household level and its basic treatment through dietary modification.	01	-	28	28	-	02	02	30
28.09.24	PF	Sowing of rabi season vegetables in Nutri garden	01	-	28	28	-	02	02	30
26.10.24	PF	Strengthening of SHGs through awareness about different skill based trainings.	01	-	28	28	-	02	02	30
Plant Protection										
18.01.2024	PF	IPM in mango orchard	01	25	03	28	02	-	02	30
24.01.2024	PF	IPM in solanaceous vegetables	01	25	03	28	02	-	02	30
08.03.2024	PF	IPM in sugarcane	01	25	03	28	02	-	02	30
12.04.2024	PF	Awareness about role of millet crops in IPM	01	25	03	28	02	-	02	30
25.04.2024	PF	Role of beneficial insects in plant protection	01	25	03	28	02	-	02	30
09.05.2024	PF	Use of mobile apps in IPM	01	25	03	28	02	-	02	30
01.06.2024	PF	IPM in Maize	01	25	03	28	02	-	02	30
24.06.2024	PF	Different methods of seed and soil treatment	01	25	03	28	02	-	02	30
11.07.2024	PF	Importance of weather forecasting in IPM	01	25	03	28	02	-	02	30
26.08.2024	PF	Plant Protection strategies in protected cultivation	01	25	03	28	02	-	02	30
08.09.2024	PF	Importance of organic plant protection measures in IPM	01	25	03	28	02	-	02	30
08.10.2024	PF	Plant protection strategies in potato and mustard crop	01	25	03	28	02	-	02	30
15.11.2024	PF	Plant Protection in vegetable nursery	01	25	03	28	02	-	02	30
Plant Breeding										
	PF	Quality wheat seed production	01	25	03	28	02	-	02	30
	PF	Importance of isolation distance & roughing in wheat seed production	01	25	03	28	02	-	02	30
	PF	Nursery management for quality seed production of basmati rice	01	25	03	28	02	-	02	30
	PF	Identification of off type plant & their roughing technique in basmati rice	01	25	03	28	02	-	02	30
	PF	Seed production of HYV of wheat	01	25	03	28	02	-	02	30
	PF	Importance of isolation distance in mustard seed production	01	25	03	28	02	-	02	30
		Total	**61**	**1275**	**433**	**1708**	**102**	**20**	**122**	**1830**

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	
Mushroom	Mushroom production	Mushroom compost and spawn production	September	21	06	01	07	02	01	03	10
Nursery	Nursery management	Planting material production in various crop for self- employment.	October	21	06	01	07	02	01	03	10
Vermi-culture	Organic input production	Production and use of vermin-compost for the better recycling of farm waste	October	21	06	01	07	02	01	03	10

Dairy	Dairying	Employment generation through dairy farming and calf rearing	September	21	08	-	08	02	-	02	10
Other enterprises	Small scale enterprises	Natural soap making for income generation	Nov.	21	-	8	8	-	02	02	10
Wheat	Seed production	Technique of quality wheat seed production	November	21	06	01	07	02	01	03	10
		Total		**126**	**32**	**12**	**44**	**10**	**6**	**16**	**60**

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/Off Campus										
11.04.24	Ext. Person	Importance and uses of poly house	01	26	-	26	04	-	04	30
19.06.24	Ext. Person	Micro-irrigation of horticulture crops	01	26	-	26	04	-	04	30
08.10.24	Ext. Person	Canopy management in fruit crops	01	26	-	26	04	-	04	30
10.11.24	Ext. Person	Rejuvenation of old orchard	01	26	-	26	04	-	04	30
15.11.24	Ext. Person	Farmers increase the income through the off season vegetable nursery	01	26	-	26	04	-	04	30
18.09.24	Ext. Person	Role of balance fertilizer in Tomato Cultivation	01	26	-	26	04	-	04	30
12.06.24	Ext. Person	Best utilization of natural recourses to mitigate the food demand in future.	01	26	-	26	04	-	04	30
09.09.24	Ext. Person	Application of water soluble fertilizer in Rabi crops.	01	26	-	26	04	-	04	30
24.10.24	Ext. Person	Use of latest agro techniques for the RCT in Wheat.	01	26	-	26	04	-	04	30
19.01.24	Ext. Person	Heat detection methods and Importance of timed artificial insemination to reduce repeat breeding in farm animals	01	26	-	26	04	-	04	30
28.08.24	Ext. Person	Importance of Deworming and vaccination in milch animal	01	26	-	26	04	-	04	30
22.11.24	Ext. Person	Use of mineral mixture and its importance in production and reproduction of dairy animals	01	26	-	26	04	-	04	30
17.01.24	Ex. Person	Importance of honeybees in agriculture and harmful effects of pesticides on honeybees	01	26	-	26	04	-	04	30
21.02.24	Ex. Person	Importance of organic farming and low pesticide use.	01	26	-	26	04	-	04	30
17.04.24	Ex. Person	Importance of soil health card in crop protection	01	26	-	26	04	-	04	30
03.10.24	Ex. Person	Use of water soluble fertilizer in Rabi crops	01	26	-	26	04	-	04	30
12.04.24	Ex. Person	Identification of important prasitoides and predators of insect pest affecting Paddy and sugarcane crops.	01	26	-	26	04	-	04	30
31.05.24	Ex. Person	Introduction of IPM technologies	01	26	-	26	04	-	04	30
22.06.2024	Ex. Person	Use of mobile apps in IPM	01	26	-	26	04	-	04	30
28.08.24	Ex. Person	New dimensions of employment generation in rural youth.	01	26	-	26	04	-	04	30
17.09.2024	Ex. Person	Importance of honey bees in agriculture and their sensitivity against chemicals	01	26	-	26	04	-	04	30
11.12.24	Ex. Person	Importance of entomopathogenic nematodes in IPM	01	26	-	26	04	-	04	30
10.05.24	Ex. Person	Preparation of Nutri thali, understanding micronutrients	01	26	-	26	04	-	04	30
10.05.24	Ex. Person	Modification in diet to combat heat stroke	01	26	-	26	04	-	04	30
12-10-2024	Ex. Person	Preparation of Nutri Rich Thali	01	26	-	26	04	-	04	30
28-11-2024	Ex. Person	Awareness about bio-fortified varieties	01	26	-	26	04	-	04	30
11-12-2024	Ex. Person	Awarness about women rights and laws	01	26	-	26	04	-	04	30
14.03.2024	Ex. Person	Importance of isolation & roughing in seed production of wheat	01	26	-	26	04	-	04	30
16.04.2024	Ex. Person	Seed production of moong bean & urd bean	01	26	-	26	04	-	04	30

18.06.2024	Ex. Person	Seed production of technique of paddy	01	26	-	26	04	-	04	30
04.07.2024	Ex. Person	Seed production of scented rice	01	26	-	26	04	-	04	30
09.11.2024	Ex. Person	Seed production technique of wheat	01	26	-	26	04	-	04	30
26.12.2024	Ex. Person	Roughing & removing of off type plant in lentil seed production	01	26	-	26	04	-	04	30
		Total	**33**	**858**		**858**	**132**		**132**	**990**

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 progdramme											
Horticulture	DHO	Farmers and farm women	Drip irrigation Orchard management	3	50	10	60	15	5	20	80
Plant Protection	NCIPM	Farmers and farm women	IPM and IDM	3	50	10	60	15	5	20	80
			Total	**6**	**100**	**20**	**120**	**30**	**10**	**40**	**160**