Action Plan
(January to December 2026)

Directorate of Extension
Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut - 250110

C O N T E N T S

DETAILS OF ACTION PLAN
(Year - 2026)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone	E mail	Website
	Office		
Krishi Vigyan Kendra, Hastinapur, Meerut	01233-280605	meerutkvk@gmail.com	www.meerutkvk4.in

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

Address	Telephone		E mail	Website
	Office	FAX		
Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut	0121-2888522, 2888511	0121-2888505, 2888540	dir.ext@svpuat.edu.in	svbpmeerut.ac.in

1.2.b. Status of KVK website : Working **Date when the website last updated**: 15.06.2024

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : 2506

1.2.d Status of ICT lab at your KVK :

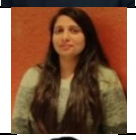
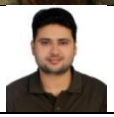
No. of PC units : 05
No. of Printers : 03
Internet connection : Yes

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr Rakesh Tiwari	9411820189	9411820189	meerutkvk@gmail.com

1.4. Year of sanction: 1992

1.5. Staff Position

SN	Sanctioned post	Name of the incumbent	Design-ation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)	Mobile no.	Email id	Photograph
1	Subject Matter Specialist	Dr.Rakesh Tiwari	S.M.S/ Asstt. Prof.	Soil Science	15600-39000	107200.00	21.06.2008	Permanent	Gen	9411820189	191rakeshtiwari@ gmail.com	
2	Subject Matter Specialist	Smt. Veena Yadav	S.M.S/ Asstt. Prof.	Home Science	15600-39000	95400.00	23.06.2008	Permanent	OBC	9457263482	veenayadav1020@ gmail.com	
3	Subject Matter Specialist	Dr. Naveen Chandra	S.M.S/ Asstt. Prof.	Entomology	15600-39000	110400.00	23.06.2008	Permanent	OBC	9450803857	nchandra120@ gmail.com	
4	Subject Matter Specialist	Dr Sonika Grewal	S.M.S	Livestock Production Management	15600-39000	61300.00	01.07.2022	Permanent	OBC	7404226891	vety.sonikagrewal2013@gmail.com	
5	Subject Matter Specialist	Dr. Shubham Arya	S.M.S	Agronomy	15600-39000	61300.00	06.07.2022	Permanent	OBC	9012388383	shubhamarya516@gmail.com	

SN	Sanctioned post	Name of the incumbent	Design-ation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)	Mobile no.	Email id	Photograph
6	Programme Assistant	Dr. Jitendra Arya	Programme Assistant	Horticulture	9300-34800	94100.00	01.07.1998	Permanent	OBC	9412311554	Jkarya67@gmail.com	
7	Programme Assistant	Smt. Vibha Sahu	Prog. Assistant	Computer	9300-34800	86100.00	21.10.1999	Permanent	OBC	9410456174	vibha.sahu1@gmail.com	
8	Accountant / Superintendent	Sh Amit Chaudhary	O.S. Cum Accountant	-	9300-34800	76500.00	10.12.2003	Permanent	OBC	9761444004	amitsvpuat@gmail.com	
9	Stenographer	Sh. Sudesh Kumar	Steno	-	5200-20200	53600.00	15.12.2003	Permanent	SC	9457273887	Sudeshmeerut123@gmail.com	
10	Driver	Sh. Upendra Kumar	Jeep Driver	-	5200-20200	38100.00	02.08.2007	Permanent	OBC	9837194455	-	
11	Supporting staff	Sh. Hari Das	Sweeper	-	5200-20200	42200.00	01.07.1998	Permanent	SC	9760855760	-	
12	Supporting staff	Sri Amar Singh	Field Attendent	-	5200-20200	35300.00	13.12.1999	Permanent	OBC	-	-	

1.6. Total land with KVK (in ha) : 9.20

S. No.	Item	Area (ha)
1	Under Buildings	2.00
2.	Under Demonstration Units	1.00
3.	Under Crops	5.50
4.	Orchard/Agro-forestry	0.40
5.	Others	0.30
Total		**9.20**

1.7. Infrastructural Development:

A) Buildings

S. N.	Name of building	Source of funding	Complete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)
1.	Administrative Building	ICAR	23.05.2009	510	54.88
2.	Farmers Hostel	ICAR	30.06.2007	300	22.92
3.	Staff Quarters (6)	ICAR	30.06.2007	400	26.72
4.	Demonstration Units (2)	ICAR	30.06.2007	160	11.06
5	Fencing	ICAR	30.06.2007	1000	13.77
6	Threshing floor	ICAR	30.06.2007	300	2.34
7	Farm godown	ICAR	30.06.2007	60	3.63
8	Soil testing lab	ICAR	30.05.2006	80	3.20
9	Jaggery Unit	ICAR	31.03.2023	170	35.0
10	Nursery Unit	Revolving Fund	-	20	-
11	Dragon Fruit	Revolving Fund	15.09.2024	100	1.35
	Total			**730.0**	

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Present status
Tractor	2017	5,10,000	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Cultivator	2017	-	working
Disk Harrow	2017	-	working
Rotavator	2017	-	working
Ridge Maker disc type	2017	-	working
LCD Projector	2007	125000	Working
Disc Harrow (14 Wheel)	2006	27000	Working
DVD/CD Player	2007	2500	Working
Taka Machine (Chaff)	2008	8700	Working
Computer	2011	20000	Working
Camera Sony	2011	11428	Working
Projector	2024	49700	Working
Refrigerator	2024	13000	Working

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

S.N.	Date
Scientific Advisory Committee Meeting	November 2026

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**	Sugarcane-Ratoon-Wheat, Agro forestry and/or Jower-wheat (2-3 Graded buffalo/1 Cross bread cow)	Heavy Loam Soil with good quality water canals and tubewells irrigation and normal pH
2	**AES 2**	Sorghum-Potato-Cucurbits and/or Sugarcane-Ratoon-Wheat (2-3 Graded buffalo/ 1 Cross bred cow)	Sightly flood prone area with course to Loam Soils and good quality underground water
3	**AES 3**	Paddy-wheat and/or Jower-Wheat-Sugarcane –Ratoon-Wheat (2-3 Graded buffalo/ 1 Cross bred cow)	Having loam,clay and sandy loam.Canal and tubewells irrigation

b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography	Drainage
1.	**AES-1**	**Plain**	**Well drainage**
2.	**AES-2**	Plain	**Well drainage, water logging in some area**
3.	**AES-3**	Plain	**Some water logged area**

c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	**AES-1 (Machhra,Rajpura,Meerut and Kharkhoda)**	• Late sowing of sugarcane • Low production of milk in Cow and Buffaloes • Deficiency of miner elements and organic matter in soils • Attack of white grub in sugarcane • Reducing production area of pulses due to blue horse. • Red rot and grassy shoot in sugarcane • No use of Potash and micro elements in crops • Low production of old orchards • Unorganized marketing system of agriculture produce • Long dry period and infertility in milch animals • Weed infestation in wheat. • Depletion of ground water	

		• Insect attack in vegetables	
2.	**AES-2 (Hastinapur,Mawana, Parikshitgarh, Daurala)**	• Late sowing of sugarcane • Low production of milk in Cow and Buffaloes • Deficiency of miner elements and organic matter in soils • Attack of white grub in sugarcane • Reducing production area of pulses due to blue horse. • Red rot and grassy shoot in sugarcane • No use of Potash and micro elements in crops • Low production of old orchards • Unorganized marketing system of agriculture produce • Long dry period and infertility in milch animals • Weed infestation in wheat. • Depletion of ground water • Insect attack in vegetables • Late sowing of sugarcane • Low production of milk in Cow and Buffaloes • Deficiency of miner elements and organic matter in soils • Attack of white grub in sugarcane • Reducing production area of pulses due to blue horse. • Red rot and grassy shoot in sugarcane • No use of Potash and micro elements in crops • Low production of old orchards • Unorganized marketing system of agriculture produce • Long dry period and infertility in milch animals • Weed infestation in wheat. Depletion of ground water	
3.	**AES-3 (Jani Khurd, Rohta, Sarurpur and Sardhana)**	• Late sowing of sugarcane • Low production of milk in Cow and Buffaloes • Deficiency of miner elements and organic matter in soils • Attack of white grub in sugarcane • Reducing production area of pulses due to blue horse. • Red rot and grassy shoot in sugarcane • No use of Potash and micro elements in crops • Low production of old orchards • Unorganized marketing system of agriculture produce • Long dry period and infertility in milch animals • Weed infestation in wheat. • Depletion of ground water • Insect attack in vegetables	

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

SN	Crop	Area (ha)	Production (M.Ton)	Productivity (Qtl /ha)	Yield gap (q/ha) with respect to demo	Yield gap (q/ha) with respect to potential yield
1	Sugarcane	132624.0	122958363.0	927.12		
2	Wheat	65317.0	3188776.0	48.82		
3	Paddy	13015.0	346980.0	26.66		
4	Maize	42.0	944.0	22.48		
5	Barely	107.0	4550.0	42.52		
6	Oil seed: Mustard	2922.0	51895.0	17.76		
Pulses						
7	Urd	1604.0	2752.0	7.16		
8	Gram	17.0	21.86	12.86		
9	Moong	42.0	72.0	17.14		
10	Pea	468.0	796.0	17.01		
11	Lentil	700.0	824.0	11.77		
12	Arhar	214.0	182.0	8.50		
13	Others (Bajra)	26.0	53.0	20.38		

2.3. Weather data (2025)

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)	
		T min	T max	Rh1	Rh2
January	1.9	75.4	33.3	370.4	293.9
February	0.1	101.1	41.1	340.0	217.6
March	3.6	118.7	58.7	285.3	171.9
April	12.0	143.2	74.0	210.7	127.7
May	19.8	148.3	89.7	227.9	161.9
June	26.9	69.0	46.8	144.5	105.2
July	112.7	99.7	76.0	264.4	228.9
August	54.1	133.3	106.5	351.9	300.9
September	67.8	131.3	101.5	360.9	309.6
October	12.9	136.6	97.9	337.9	281.3
November	0.0	125.1	73.2	339.4	256.0
December	--	-	-	-	-

2.4 Production and productivity of livestock, Poultry, Fisheries etc. in the district (2025)

Category	Population	Production (Lt/day)	Productivity (Lt/day)
Cattle			
Crossbred	133279	1299470.25	9.75
Indigenous	76049	475306.25	6.25
Buffalo	567070	4820095	8.50
Sheep			
Crossbred	482	771.20	1.60
Indigenous	3490	7852.50	2.25
Goats	44353	66529.50	1.50
Pigs			
Crossbred	8947	--	--
Indigenous	12388	--	--
Poultry (Egg)			
Hens	85565	--	273 egg/year
Desi	--	--	79 egg/year
Improved (Dual Purpose)	--	--	167 egg/year
Turkey and others	2483		
Category	**Area**	**Production**	**Productivity**
Inland	--	--	33.00 q/ha

2.5 Details of operational area /villages

SN	Taluk	Name of the block	Name of the village	Major crops & enterprises	Existing yield (q/ha, number/year)	Major problem identified	Identified Thrust Areas
1	Meerut	Kharkhoda	Piplikhera, Kelli, Gheza, KankerKhera, Ataula, Khandawali, Jhinjharpur, Nirpura	Sorghum, Potato Wheat, Mustard Livestock production (2-3-Graded buffalo / 1-Crossbred cow)		High infestation of diseases & insects Unavailability of seed	Integrated pest management Seed production of major crops by farmers to ensure adequate seed availability and Introduction of inter cropping with sugarcane
		Rajpura	Salarpur, Muzaffarpur Saini, Rajpura, Morna, Kastla, Mameypur, Incholi, Kaserukhera	Sugarcane, Pigeon pea, Potato & Wheat		White grub Pest & diseases	Introduction of inter cropping along with IPM in sugarcane
		Daurala	Nihori, Lawad, Mahalka, Macchri, Rasoolpur, Walidpur, Panvari, Meetheypur, Andawali, Eloi, Daurala, Rassolpur	Vegetables, Sugarcane, Wheat Mustard,		Pest & diseases Nutrient deficiency	Pest management Balance fertilization & IPNM
		Meerut	Chandsara, Alipur, Gagol, Phafunda, Fatehullahpur, Noornagar, Tarapuri Rasidnagar	S/cane, Urd, Rice Wheat		-do-	Pest management Balance fertilization & IPNM

2	Sardhana	Sardhana	Mahadev, Kushawli, Begumabad, Nahli, Pali	S/cane, Wheat, Vegetables,Flower		Unavailability of improved var. seed	Seed production
		Suroorpur	Pawarsa, Ikdri, Panchi Buzurg	-do-		Insect & disease	Popularization of bio pesticides
		Rohta	Rohata, Arnavali, Rasana, Shahapur jain pur,	S/cane, wheat		- do-	-do-
		Jani	Baffar, Meerpur, Mohammadpur Dhumi, Khumbha, Siwal Khas, Nagla Kumbha, Bhola Ki Jhal	S/cane, wheat, mustard, paddy & Urd		Lack of seed, high infestation of insect and diseases.	Promotion of seed production, IPM

3	Mawana	Hastinapur	Ganeshpur, Saif pur Meewa Mammudpur Latiffpur, Makan nagar Pali, Nagla gusai, Rani nagla, Matora, Bastura Narang, Nagala Chand, Sikhera, Rathora Khurd, Jora Jalapur, Seena, Tajpura, More Khurd, Rampur Ghoria, Mohammadpur Sikhast, Nagli, Karimpur, Bhadrakali, Behsuma, Tarapur, Pandwan, Makhdoompur, Kunda Chetawala, Bamnoli Badahuakheri, Latifpur, Bheemkhund	Sugarcane, Wheat Rice, potato, Mustard, Chickpea, Urd, Moong		Soil Health i.e. Salinity	INM, organic farming. Promotion of seed production, IPM
		Parikshitgarh	Geshupur, Bonda, Kalirampur, Neemka, Khajuri, Dhanpura, Jithola, Anwarpur, Kohla	Sugarcane, Wheat Rice, potato, Mustard, Chickpea, Urd, Moong		Insects & disease	Promotion of INM & IPM practices

		Mawana Kalan	Meewa, Assa, Matoura, Tatina, Niloha, Pilona, Baizadka, Kunda, Akbarpur Ghari, Bhaisa, Nidawali, Tigri, Geshupur, Sirjepur, Meerpur, Akbarpur Shadat, Mubareekpur, Nagala Ajedi, Nagala Hareur, Phalawada, Chota Mawana,	Sugarcane, Wheat Rice, potato, Mustard, Chickpea, Urd, Moong		Insects & disease	Promotion of INM & IPM practices
		Machara	Maukhas Hasanpur, Kaili Rampur, Dabthala, Behlolpur, Shahjahanpur,	Crops, Vegetables, Bee keeping		Marketing	INM, IPM

2.6 Top five major Priority thrust areas

1. Replacement of sugarcane variety Co-0238
2. Increasing area of pulses
3. Increasing production of oilseeds
4. Improving fertility of dairy animals
5. Improving farm women health status

3. TECHNICAL PROGRAMME

3. A Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area in ha.	Number of Farmers
08	82	116.37	135

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
88	1680	673	4969

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod.(No.)	Soil Samples Analysis (No.)
(5)	(6)	(7)	(8)
200	20000		1200

3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Increasing Productivity	Wheat	Low Production in late sown condition	Assessment of late sown varieties of wheat	Introduction new variety of wheat DBW 303	Introduction of fortified variety of wheat Seed Production of wheat	Introduction of latest varieties of Wheat	Field day	Seed
		Paddy	Late maturity of basmati rice	-	Introduction new variety of Paddy PB-1509	Nursery raising of Basmati Rice Water management in Rice	Introduction of latest varieties of Paddy	Field day	Seed
		Sugarcane	Low productivity of Co-0238 variety	Assessment of sugarcane varieties		Production technology of spring sugarcane Intercropping with spring Sugarcane	Introduction of latest varieties of Sugarcane		Planting material
2	ICM	Sugarcane	Reducing productivity of existing variety of Sugarcane	Reducing productivity of existing variety of Sugarcane(Attack of Top Borer) Tetraniliprole 18.18 % SC@ 200 ml/acre	Introduction new weedicide Sampra to control cyprus		Intercropping vegetable with spring sugarcane	Field day	Tetraniliprole

			Reducing productivity of existing variety of Sugarcane	Heavy incidence of Pokka-bowing disease in Co-0238 variety. Application of Azoxystrobin 8.3 % + Mancozeb 66.7 % @ 500 ml./ha.					Azoxystrobin and Mancozeb
		Green gram	Low productivity in green gram		Introduction of improved variety IPM 2-3	Management of insect Pest of Green gram	Production technology of green gram	Field day	Seed, Rhizobium culture
		Black gram	Low productivity		Improved variety Shekhar-2	Management of insect Pest of Black gram	Production technology of black gram	Field day	Seed, Rhizobium culture
		Lentil	Low productivity		Improved variety Pusa Ageti Masoor			Field day	Seed, Rhizobium culture
		Mustard	Low productivity		Improved variety Pusa RH-749	Alternaria leaf spot diseases management in oilseeds crops		Field day	Seed, Sulpher
3	Integrated Diseases Management(IDM	Paddy	Infestation of sheeth blight in paddy		Management of sheeth blight in paddy by Azoxystrobin 23 % SC @ 800 ml/ha.	Bakane disease of rice nursery and their management		Field day	Azoxystrobin
4	Diversification in Farming systems	Onion	Low production		Introduction of new variety ALR/Bhima Shakti	Weed management in onion crop		Field day	Seed

		Potato	Low income from existing cropping system		Intercropping of potato with sugarcane (1:1)	1.Management of late blight of potato 2.Early Potato Cultivation 3.Biofortifird varieties of Potato		Field day	Seed
		Tomato	Resource conservation		Plastic Mulching in Tomato	Use of plastic mulching in tomato		Field day	Seed
5	IPM.	Sugarcane	Infestation of early shoot borer in sugarcane		Mang. of early shoot borer in sugarcane by Thiamethoxam 1 % + chlorantraniliprole 0.5 % GR	Management of insect pest & disease of Sugarcane	1.Use and importance of Bio-pesticides in pest management 2.Application of bio-rational pesticides	Field day	Insecticides
		Brinjal	Infestation of fruit and shoot borer in Brinjal.	-	Management fruit and shoot borer in Brinjal by spinoshed 240 SC	Management fruit and shoot borer in Brinjal	Safe handling and use of pesticides	Field day	Insecticide
		Okra	Infestation of bhindi fruit borer		Management of Bhindi fruit borer by Tetranilprole 18.18 % @ 100 ml/acre	1.Management of insect pest & disease of vegetable crops .	Safe handling and use of pesticides	Field day	Insecticides

6	Soil Health management.	Paddy (Pusa 1509)	Excessive use of urea resulting degradation of soil health	Excessive use of urea resulting degradation of soil health	Application of Nano Urea	Integrated nutrient management and natural farming Nutrient management and Soil sampling & testing Application of Nano Urea in Paddy Application of Nano DAP in Paddy	Important of Nano Fertlizer	Field day	Nano Urea
		Wheat	Excessive use of urea resulting degradation of soil health	Excessive use of urea resulting degradation of soil health	Performance demonstration of nano urea (0.5 lit/acre as second & third spray)	Application of Nano DAP in Wheat Application of Nano Urea in Wheat		Field day	Nano Urea
7	Nutritional Security	Vegetables	Nutrient inadequacy		Production of organic vegetables in Kitchen Garden	• To Promote Bio-fortified varieties in kitchen garden & their nutritional importance • Minimization of nutrient loss in processing • Importance of Poshan Thali	To Promote bio-fortified varieties in kitchen garden & their nutritional importance Importance of Poshan Thali and balance diet	Field day	Vegetable Seed

8.	Drudgery Reduction		Low efficiency and high drudgery of farm women during weeding in okra	Assessment of twin wheel hoe for drudgery reduction and efficiency enhancement of farm women involved in weeding of okra	-	Introduction of gender friendly small tools and implements for the enhancement of work efficiency for farm women Reduction of time and drudgery by the use of improved agricultural implements			Twin wheel hoe
9.	Low milk production	Cattle	Low milk production in cattle		Supplementation of mineral mixture to improve milk productivity	1.Mastitis : its causes and prevention 2.Formulation of balance ration and its feeding according to their stage of life 3.Scientific way of Dairy farming	Mastitis : its causes and prevention		Mineral mixture
10	Infertility in dairy animals	Buffaloes and cow	Nutritional deficiency and hormonal disbalance	1.Nutritional deficiency and hormonal disbalance in buffaloes 2. Nutritional deficiency and hormonal disbalance in cow		1.Management of infertility in dairy animals 2.Importance of Mineral mixture in dairy animals Nutritional and 3.Managemental strategies for the improvement fertility in dairy animals	Importance of Mineral mixture in dairy animals		Mineral mixture and dewormer

11.	Disease management	Buffalo calves	To reduce internal parasites in calves		Supplementation of dewormer in buffalo calves	1.FMD: It's symptoms and prevention 2. Management of Bloat in animals Care and management of newly born calves 3.Metabolic diseases and its management in dairy animals	1.Importance of vaccination in animals 2.FMD: symptoms and prevention		Dewormer

3.1 Technologies to be assessed

A1. Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial crops	Vegetables	Fruits	Flowers	Plantation crop	Tuber Crops	TOTAL
Integrated Crop Management	1					1				2
Varietal Evaluation	1									1
Integrated Pest Management				1						1
Integrated Nutrient Management				1						1
TOTAL	**2**			**2**		**1**				**5**

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

Thematic areas	Cattle	buffalo	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management		02					01	03
Disease of Management								
TOTAL		**02**					**01**	**03**

B. Details of On Farm Trial

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 2kg DA Pin 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 = 25plants
Cos to 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 fruits et after pruning • Size of fruit • Fruit yield • Percent of disease incidence and insect infestation
Name of Scientist	Dr. Rakesh Tiwari & Dr. J.K. Arya

OFT-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 borers. • 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 m and Carbendazim @50g/10lit water • **Soil application:** Fertera 0.4G @ 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 & 20meter 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/-for2.0 Hectare area
Source of Technology	ICAR-IISR,Lucknow
Critical Input	Chloropyriphos 20 EC, Carbendazim 50 WP, Fertera0.4G, 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. Rakesh Tiwari, Dr. Naveen Chandra & Dr. Shubham Arya

OFT-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-pyri bac Sodium10%@200-250 ml/ha T_2: Trif amone 20%+ Ethoxysulfuron 10%WG@ 90g/ha. T_3: BispyribacSodium38%+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	1. Weed density at 30 and 45 DAT (No. of weeds/m^2). 2. Number of different weeds species (Number/m^2). 3. Total weed dry weight (g/m^2) 4. Major weed flora. 5. Number of effective tillers per plant (Number/m^2).
Economical	1. Grain Yield (q/ha). 2. StrawYield (q/ha). 3. Cost of Cultivation (Rs./ha) 4. Net Return (Rs./ha) 5. Cost Benefit Ratio(C:BRatio)
Social	1. Adoption Rate. 2. Suitability of Technology. 3. Feedback of farmers
Name of Scientist	Dr. Shubham Arya, & Dr. Naveen Chandra

OFT-4

Crop/Enterprises	Sugarcane (Zaid-2026)
Problem diagnosed	Low yield of sugarcane
Major cause	High infestation of insect pest due to excess use of urea
Thematic Area	INM and WM
Details of technologies selected for assessment/refinement	T1: Farmer's practice (flood irrigation + 400 K 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	06 (Area– 0.4 *3 =1.2ha)
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. Rakesh Tiwari & Dr. Shubham Arya

OFT-5

Crop/Enterprises	Wheat (Rabi 2026-27)
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 100:60:0kg NPK T2: Line sowing of wheat variety HD-3298+ application of recommendation dose of fertilizer @80:60:40 and Zinc (on the 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 &between15-30Dec.
Observations to be recorded	• Seed rate • Plant population per m2 at 20-25days & at harvesting • No. of effective tillers (60 DAS) • Days taken to maturity • Yield10 m^2area(randomly from 4-5 places) per q per ha • B:C ratio
Name of Scientist	Dr. Rakesh Tiwari & Dr. Shubham Arya

OFT-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	**A) Technical** 1. Non Return Rate 2. Calving to conception interval 3. Conception rate **B) Economic:** C:B Ratio **C) Social:** Adoptability
Name of Scientist	Dr. Sonika Grewal

OFT-7

Crop/Enterprises	**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. Sonika Grewal

OFT-8

Crop/Enterprise	Fish
Title	Supplementing Selenium and amino acid rich Vitamin-mineral mixture in fish feed
Problem diagnosed	Slow growth in spite of feeding leading to late harvest absence of balanced diet for fish growth
Major Cause	• No use of vitamin and minerals • Ir-regular feeding of fishes • Lack of technical knowledge on feed management in ponds • Cost cutting by farmers unknowingly as feed takes a major part of input cost
Details of technology identified for solution	T_1–Farmers practice of not using vitamin mineral mixture
	T_2–SeleniumVit-mineral mixture in fish feed@ 10g/kg feed
No. of farmers	4
Total cost (Rs.)	Rs.8000
Source of technology	ICAR-CIFA, Bhuwaneshwar
Critical inputs	Vitamin-mineral mixture Condition-Same pond size and same species cultured
Observation to be recorded	• Feed Conversion Ratio(FCR), • Water quality parameters • Fish yield/ unit area • Presence or absence of disease outbreak • Harvesting time
Name of Scientist	Dr. Sonika Grewal

3.2. FRONT LINE DEMONSTRATIONS

A. Details of FLDs to be organized during 2026-27

SN	Crop	Thematic Area	Technology for demonstration	Critical Inputs	Season / Year	Area (ha)	No. of farmers/ Demo.	Parameter Indicators
Oilseed and pulses								
1	Mustard	ICM	Improved variety (RH-761)	Seed 5.0 kg/ha + Sulphur 40 kg/ha	Rabi 2026-27	20.0	50	● Cost of cultivation ● Net Return ● C:B Ratio ● Increase in yield (%)
				Total		**20.0**	**70**	●
Others								
2	Wheat	Varietal evaluation	Introduction new variety of wheat DBW 327	Seed 40 kg/Acre	Rabi 2026 -27	10.0	20	● Cost of cultivation ● Gross Return ● Net Return ● C:B Ratio ● Yield increase (%)
3	Paddy	Varietal evaluation	Introduction new variety of Paddy PB-1847	Seed 5 kg/Acre	Kharif-2026	10.0	20	● Cost of cultivation ● Gross Return ● Net Return ● C:B Ratio Yield increase (%)
4	Wheat	INM	Performance demonstration of nano urea & Nano DAP (0.5 lit/acre as second & third spray) (DBW-173)	Nano urea & Nano DAP 500 ml/farmer	Rabi 2026 -27	8.0	20	● Cost of cultivation ● Gross Return ● Net Return ● C:B Ratio ● Yield increase (%)
5	Paddy	INM	Application of Nano Urea& Nano DAP PB (1509)	Nano Urea & Nano DAP One spray	Kharif-2026	8.0	20	● Cost of cultivation ● Gross Return ● Net Return ● C:B Ratio ● Yield increase (%)
6	Kitchen Garden	Nutritional Security	Production of organic vegetables in Kitchen Garden	Vegetable seeds + Vermi Compost	Zaid , Kharif & Rabi 2026	0.37	25	● Cost of cultivation ● Net Return ● C:B Ratio

7	Brinjal (Ankur)	Integrated Pest Management	Management of Brinjal fruit & Shoot borer using Spinosad (Tracer 240 SC @ 75 ml/acre	Spinosad	Zaid 2026	4.0	10	● Insect incidence (%) ● Cost of cultivation ● Net Return ● C:B Ratio ● Yield increase (%)
8	Okra (Smart)	Integrated Pest Management	Management of Bhindi fruit borer by Tetranilprole 18.18 % @ 100 ml/acre	Tetranilprole	Zaid 2026	4.0	10	● Insect Incidence (%) ● Cost of cultivation ● Gross Return ● Net Return ● C:B Ratio
9	Sugarcane Co-0238	Integrated Pest Management	Mang. of early shoot borer in sugarcane by Thiamethoxam 1 % + chlorantraniliprole 0.5 % GR	Thiamethoxam chlorantraniliprole (Vertako)	Kharif-2026	4.0	10	● Insect incidence (%) ● Cost of cultivation ● Net Return ● C:B Ratio ● Yield increase (%)
10	Paddy (Pusa-1509)	Integrated Diseases management	Management of Sheath blight in Paddy using azoxystrobin 23 % S.C.0.4 @800 ml/ha	Azoxystrobin	Kharif 2026	4.0	10	● Disease incidence (%) ● Cost of cultivation ● Net Return ● C:B Ratio ● Yield increase (%)
						96.37	**65**	●
		Total				**116.37**	**135**	

Extension and Training activities under FLDs during year -2026

SN	Activity	No. of activities	Month	Approximate number of participants
1	Field days	16	July, August, Nov, Dec	180
2	Farmers Training	22	June, July, Sept., Oct., Dec., Jan, Feb, March	440
3	Media coverage	50	June., Sep., Oct., Nov., Dec.	Mass
4	Training for extension functionaries	07	May, July., Sep., Nov.,	140

c. Details of FLD on Enterprises

(i) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Buffalo Calves	Local	25	25	Dewormer	Cure % age- General health
Cattle	Local	30	30	Mineral Mixture	Animal milk production and General health

3.3. Training

A. ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		M	F	Total	M	F	Total	
(A) Farmers & Farm Women								
I Crop Production								
Integrated Crop Management	1	17	-	17	3	-	3	20
Resource Conservation Technologies	1	17	-	17	3	-	3	20
Total	**2**	**34**	**-**	**34**	**6**	**-**	**6**	**40**
II Horticulture								
III Soil Health and Fertility Management								
Integrated Nutrient Management	1	17	-	17	3	-	3	20
Soil fertility management & Testing	1	17	-	17	3	-	3	20
Total	**2**	**34**	**-**	**34**	**6**	**-**	**6**	**40**
IV Livestock production and Management								
Disease Management	1	17	-	17	3	-	3	20
Feed management	1	17	-	17	3	-	3	20
Total	**2**	**34**	**-**	**34**	**6**	**-**	**6**	**40**
V Home Science/Women empowerment								
Minimization of nutrient loss in processing	1	-	17	17	-	3	3	20
Household food security by kitchen gardening and nutrition gardening	1	-	17	17	-	3	3	20
Total	**2**		**34**	**34**		**6**	**6**	**40**
VII Plant Protection								
Integrated Pest Management	1	17	-	17	3	-	3	20
Integrated Disease Management	1	17	-	17	3	-	3	20
Total	**2**	**34**	**-**	**34**	**6**	**-**	**6**	**40**
TOTAL	**10**	**136**	**34**	**170**	**24**	**6**	**30**	**200**
(B) Rural youth								
Integrated Farming	1	7	-	7	3	-	3	10
Natural farming	1	7	-	7	3	-	3	10
Mushroom Production	1	7	-	7	3	-	3	10
Soil Health management & natural Farming	2	14	-	14	6	-	6	20
Income Generation & Food Fortification	1	0	7	7	-	3	3	10
Income Generation	1	0	7	7	-	3	3	10
Dairying	1	7	-	7	3	-	3	10
TOTAL	**08**	**42**	**14**	**56**	**18**	**06**	**24**	**80**
(C) Extension Personnel								
Productivity enhancement in field crop	4	65	-	65	15	-	15	80
Integrated Nutrient management	4	65	-	65	15	-	15	80
Integrated Pest Management	1	15		15	05		05	20
Bio -Control	3	45	-	45	15	-	15	60
Household food security	3	0	45	45	0	15	15	60
Women and Child care	1	0	15	15	0	05	05	20
Management in farm animals	3	45	-	45	15	-	15	60
Livestock feed and fodder production	1	15	-	15	5	-	5	20
TOTAL	**20**	**250**	**60**	**310**	**70**	**20**	**90**	**400**
G. Total (A+B+C)	**38**	**428**	**108**	**536**	**112**	**32**	**144**	**680**

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Total
		M	F	Total	M	F	Total	
(A) Farmers & Farm Women								
I Crop Production								
Resource Conservation Technologies	1	17	-	17	3	-	3	20
Cropping Systems	4	68	-	68	12	-	12	80
Integrated Farming	1	17	-	17	3	-	3	20
Integrated Crop Management	4	68	-	68	12	-	12	80
Total	**10**	**170**		**170**	**30**		**30**	**200**
II Horticulture								
III Soil Health and Fertility Management								
Integrated Nutrient Management	4	65	-	65	15	-	15	80
Production and use of organic inputs	5	85	-	85	15	-	15	100
Soil and Water Testing	1	17	-	17	3	-	3	20
Total	**10**	**167**		**167**	**33**		**33**	**200**
IV Livestock production and Management								
Disease Management	4	65	-	65	15	-	15	80
Feed management	**4**	65	-	65	15	-	15	80
Dairy Management	**2**	34	-	34	6	-	6	40
Total	**10**	**164**	**.-**	**164**	**36**	**-**	**36**	**200**
V Home Science/Women empowerment								
Design and development of low/minimum cost diet	2	-	34	34	-	6	6	40
Storage loss minimization techniques	2	-	34	34	-	6	6	40
Location specific drudgery reduction technologies	1	-	17	17	-	3	3	20
Women and child care	1	-	17	17	-	3	3	20
Household food security by kitchen gardening and nutrition gardening	4	-	68	68	-	12	12	80
Total	**10**		**170**	**170**		**30**	**30**	**200**
VII Plant Protection								
Integrated Pest Management	5	85	-	85	11	4	15	100
Integrated Disease Management	5	82	-	82	15	3	18	100
Total	**10**	**167**		**167**	**26**	**7**	**33**	**200**
Grand Total	**50**	**668**	**170**	**838**	**125**	**37**	**162**	**1000**

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		M	F	Total	M	F	Total	
(A) Farmers & Farm Women (ON/OFF)								
I Crop Production								
Resource Conservation Technologies	2	34	-	34	6	-	6	40
Cropping Systems	4	68	-	68	12	-	12	80
Integrated Farming	1	17	-	17	3	-	3	20
Integrated Crop Management	5	85	-	85	15	-	15	100
Total	**12**	**204**		**204**	**36**		**36**	**240**

III Soil Health and Fertility Management								
Integrated Nutrient Management	5	85	-	85	15	-	15	100
Production and use of organic inputs	5	85	-	85	15	-	15	100
Soil and Water Testing	1	17	-	17	3	-	3	20
Soil fertility management	1	17	-	17	3	-	3	20
Total	**12**	**204**		**204**	**36**		**36**	**240**
IV Livestock production and Management								
Disease Management	5	85	-	85	15	-	15	100
Feed management	**5**	85	-	85	15	-	15	100
Dairy Management	**2**	34	-	34	6	-	6	40
Total	**12**	204		204	36		36	240
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	5	-	75	75	-	25	25	100
Design and development of low/minimum cost diet	2	-	34	34	-	6	6	40
Minimization of nutrient loss in processing	1	-	17	17	-	3	3	20
Storage loss minimization techniques	2	-	34	34	-	6	6	40
Location specific drudgery reduction technologies	1	-	17	17	-	3	3	20
Women and child care	1	-	17	17	-	3	3	20
Total	**12**		**194**	**194**		**46**	**46**	**240**
VII Plant Protection								
Integrated Pest Management	7	119	-	119	17	4	21	140
Integrated Disease Management	5	82	-	82	15	3	18	100
Total	**12**	**201**		**201**	**32**	**7**	**39**	**240**
G.Total	**60**	**813**	**194**	**1007**	**140**	**53**	**193**	**1200**
(B) RURAL YOUTH								
Integrated Farming	1	7	-	7	3	-	3	10
Natural farming	1	7	-	7	3	-	3	10
Mushroom Production	1	7	-	7	3	-	3	10
Soil Health management & natural Farming	2	14	-	14	6	-	6	20
Income Generation & Food Fortification	1	0	7	7	-	3	3	10
Income Generation	1	0	7	7	-	3	3	10
Dairying	1	7	-	7	3	-	3	10
TOTAL	**08**	**42**	**14**	**56**	**18**	**06**	**24**	**80**
(C)Extension Personnel								
Productivity enhancement in field crop	4	65	-	65	15	-	15	80
Integrated Nutrient management	4	65	-	65	15	-	15	80
Integrated Pest Management	1	15		15	05		05	20
Bio -Control	3	45	-	45	15	-	15	60
Household food security	3	0	45	45	0	15	15	60
Women and Child care	1	0	15	15	0	05	05	20
Management in farm animals	3	45	-	45	15	-	15	60
Livestock feed and fodder production	1	15	-	15	5	-	5	20
TOTAL	**20**	**250**	**60**	**310**	**70**	**20**	**90**	**400**
G. Total	**88**	**1105**	**268**	**1373**	**228**	**79**	**307**	**1680**

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

3.4 Extension Activities (including activities of FLD Programmes) Year 2026

S.N.	Nature of Extension Activity	No. of activities	Participants								
			Farmers (Others) (I)			Extension Officials(II)			Grand Total (I+II)		
			M	F	T	M	F	T	M	F	T
1	Field Day	12	214	48	262	8	-	8	222	48	270
2	Kisan Mela	2	750	110	860	50	15	65	800	125	925
3	Kisan Ghosthi	12	828	192	1020	60	-	60	888	192	1080
4	Exhibition	2	432	96	528	12	-	12	444	96	540
5	Film Show	2	72	16	88	2	-	2	74	16	90
6	Farmers Seminar	2	214	48	262	8	-	8	222	48	270
7	Workshop	2	0	0	0	0	0	0	0	0	0
8	Group Meeting	8	78	25	103	12	10	24	90	35	125
9	Lectures delivered as resource persons	40	1000	100	1100	50	50	100	1050	150	1200
10	Newspaper coverage	85	-	-	-	-	-	-	-	-	-
11	Radio talks	6	-	-	-	-	-	-	-	-	-
12	TV talks	4	-	-	-	-	-	-	-	-	-
13	Popular articles	15	-	-	-	-	-	-	-	-	-
14	Extension Literature	12	-	-	-	-	-	-	-	-	-
Total		**204**	**3588**	**635**	**4223**	**202**	**75**	**279**	**3790**	**710**	**4500**
Advisory Services											
15	Scientific visit to farmers field	75	-	-	-	-	-	-	-	-	75
16	Farmers visit to KVK	350	-	-	-	-	-	-	-	-	350
17	Diagnostic visits	20	-	-	-	-	-	-	-	-	20
18	Exposure visits	2	-	-	-	-	-	-	-	-	2
19	Soil health Camp	2	-	-	-	-	-	-	-	-	2
20	Animal Health Camp	2	-	-	-	-	-	-	-	-	2
21	Soil Health Compaign	5	-	-	-	-	-	-	-	-	5
22	Self Help Group Conveners meetings	6	-	-	-	-	-	-	-	-	6
23	Celebration of imp.	5	-	-	-	-	-	-	-	-	5
24	Pre Kharif Workshop	1	-	-	-	-	-	-	-	-	1
25	Pre Rabi Workshop	1	-	-	-	-	-	-	-	-	1
Total		**469**	Mass								**469**
Grand Total		**673**									**4969**

3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

SN	Crop	Variety	Quantity (qtl.)
Cereal	Mustard	RH-725	100
Fodder	Sorghum	PC-6	-
Total			**100**

B) PLANTING MATERIALS

Crop		Variety	Quantity (Nos.)
FRUITS	Papaya	Pusa Nanha	1000
VEGETABLES	Tomato	Pusa Early Dwarf	5000
	Chilies	Pusa Sadabhar	2500
	Brinjal	Pusa Kranti	5000
	Cauliflower	Pearl white	5000
	Cabbage	Parwati	1000
ORNAMENTAL CROPS	Mari Gold	Pusa Narangi	2500
	Calendula	Spensar	1000
Total			**23500**

C) BIO-PRODUCTS

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
Bio pesticides	-	-	-	-

D) LIVE STOCK

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

3.6 Literature to be Developed/Published

(A) KVK News Letter NA

Date of start :

No of copies to be published :

(B) **Literature to be developed/published**

Topic		Number of copies
Research papers	05	-
Technical reports	25	100
News letters	04	1000
Technical bulletins	06	200
Popular articles	08	-
Extension literature	10	10000
TOTAL	**58**	**11276**

(C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette Whatapp group, mobile no, etc	Title of the programme	Number
1	Whatapp group	Awareness group and advisory	5

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

(I) a. Brief introduction : Commercial Goat farming

b. Interventions : Technical training and assistant from goat project running in University

(II) a. Brief introduction : Doubling income through Mushroom Production

b. Interventions : Technical training

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

Practicing Farmers

a) Exposure visits of trainees

Rural Youth

a) Practical trainings

In-service personnel

a) Exposure visits of trainees

3.9 Methodology for identifying OFTs/FLDs

For OFT:

i. Problem identified from Matrix based ranking & analysis
ii. Field level observations
iii. Farmer group discussion

For FLD :

i. New variety/technology
ii. Poor yield at farmers level
iii. Existing cropping system

PRIORITIZATION OF PROBLEM

	Problems	Importance of enterprise	Area wise distribution of problem	Severity of problem	Frequency of problem	Relative importance of problem
1	Low Yield of Sugarcane	xxxxx	xxxxx	xxxx	xxxx	I
2	Low production of Wheat	xxxxx	xxxx	xxxx	xxxx	II
3	Low production of Paddy	xxxx	xx	xxx	xxx	V
4	Low productivity of Pulses	xxxxx	xx	xxxx	xxxx	III
5	Low production of Mustard	xxxxx	xxx	xxx	xxxx	III
6	Poor health among rural women	xxx	xxxxx	xxx	xxxx	III
7	Low work efficiency and high drudgery of farm women	xx	xxx	xx	xxx	VI
8	Low milk production in animals	xxxxx	xxxxx	xxx	xxxx	II
9	Infertility in dairy animals	xxxxx	xxxxx	xxxx	xxxx	I
10	Low productivity of Mango	xxxx	xxx	xxx	xxxx	IV

PROBLEMS, CAUSES AND THEIR STRATEGIES

S. N	Problem	Causes	Possible solutions	Strategies
1.	**Low Yield of Sugarcane**	Late sowing in sugarcane-wheat rotation	Adoption of suitable Crop rotation	-Demonstration -Training
		Use of untreated sets	Motivation to treat sets of sugarcane	-Demonstrations -Trainings
		Poor germination leading to less plant population	Awareness about timely plantation of sugarcane and selection of top seed sets	-Demonstration -Training
		Imbalanced application of fertilizer	Application of balance dose of fertilizer	-Soil testing -Demonstration -Training
		Attack of insect and diseases	Management of pest and disease practices.	-OFT -Demonstration -Training
		Coverage of disease prone variety	Replacement of variety	-OFT

		Low tillering in ratoon	Application of ratoon manager	-OFT
		Residue burning	Application of mulcher	-OFT
2.	**Low production of Wheat**	Late sowing of wheat	Selection of late sown variety	-OFT
		Broadcasting method of sowing	Application of suitable sowing implements (Seed drill, Zero-till seed drill)	-Demonstration -Training
		Infestation of weeds	Control of weeds with suitable weedicides	-OFT -Demonstration
		Seed born diseases	Adoption of seed treatment	- Demonstration -Training
		Imbalanced use of nutrients	Application of balanced nutrients	-OFT -Demonstration -Training
		Faulty method of fertilizer application	Use of seed cum fertilizer drill and multi furrow opener	-Demonstration -Training
		Infestation of disease	Adoption of proper disease management practices	-Demonstration -Training
3	**Low production of Paddy**	Poor nursery management	Adoption of healthy nursery raising practices	-Demonstration -Training
		Low plant population	Maintenance of Optimum Plant population	-Demonstration - Training
		Imbalanced use of nutrients	Application of balanced nutrients	-OFT -Demonstration - Training
		Infestation of Pest and disease management	Adoption of proper insect and disease management practices	-Demonstration - Training
		Weed management	Popularization of integrated Weed management	-Demonstration - Training
4	**Low productivity of Pulses**	Residual effect of fertilizer of previous crop	Adoption of proper crop rotation	-Demonstration - Training
		Imbalanced use of nutrients	Use of recommended dose of nutrients	-Demonstration - Training
		Non availability of quality seed	Introduction of improved variety	-Demonstration - Training
		Non application of Bio fertilizes	Use of rhizobium culture and PSB	-Demonstration - Training
		Heavy Infestation of disease and Insect	Integrated pest and disease management	-OFT -Demonstration - Training
5.	**Low production of Mustard**	No thinning	Maintaining proper plant population	-Demonstration - Training
		No use of Sulpher	Application of Sulpher	-Demonstration - Training
6.	**Poor health among rural women**	Lack of knowledge about nutritional requirement	Impart knowledge about nutritional requirement	-Training and awareness programme

		Unavailability of nutrient dense and rich food	Establishment of round the year nutri-garden	-Demonstration
		Lack of self earning	Association with SHGs	- Training and awareness
		Lack of knowledge about value addition of household commodities	Introducing different value added nutrient dense products from available food items	-OFT -Demonstration - Training
7	**Low work efficiency and high drudgery of farm women**	Environmental stress(Heat, cold and rain)	Proper planning of work plan, use of protected clothing/gloves	-Training and awareness
		Use traditional and old tools	Impart knowledge about improved tools	-Training
		Unaware about improved tools	Replacement of old tools with improved tools	-Demonstration - Training
		Excess physical work load	Adoption of ergonomically designed gender friendly improved tools	- Training
8	**Low productivity of Mango**	Poor Nutrient Management	Balanced use of nutrients	-Demonstration -Training
		Over crowded canopy	Canopy management and pruning	-Demonstration -Training
		Excess irrigation	Proper water management	-Demonstration -Training
		Overage of orchards	Rejuvenation of orchards	-Demonstration -Training
		Insect and disease infestation	Insect and disease management	-Demonstration -Training
9	**Low milk production in animals**	Negative energy balance and nutrient deficiency	Adoption of balance ration	-Demonstration - Training
		Unhygenic milk production(Mastitis)	Improve the knowledge about the clean milk production	- Training
		Lack of knowledge about production diseases(milk fever, ketosis)	Improve the knowledge about the production diseases	- Training
		Non adoption of deworming schedule	Improve the knowledge about the importance of deworming	-Demonstration - Training
10	**Infertility in dairy animals**	Nutrient deficiency and hormonal imbalance	Proper use of balance ration and feed supplements	-OFT - Training
		Improper deworming schedule	Improve the knowledge about the importance of deworming	-Demonstration - Training
		Lack of knowledge about A.I. timing and heat detection	Improve the knowledge about heat detection and A.I. with skilled A.I worker	-Training -Health camps

3.10 Field activities

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

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

Sr.No.	Name of village	Name of block	Year of selection	Name of Scientist
1.	Bijoli	Kharkhoda	2022	Dr. Rakesh Tiwari
2.	Andawali	Daurala	2022	Dr.Naveen Chandra
3.	Samaspur	Hastinapur	2022	Mrs. Veena Yadav
4.	Rahmapur	Mawana	2023	Dr. Sonika Grewal
5.	Jhitkari	Sardhana	2023	Dr. Shubham Arya

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

iii. No. of survey/PRA to be conducted : 01

iv. No. of technologies taken to the adopted villages : 06

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

1. Promotion of improved variety mustard var. RH 749
2. Promotion of trench planting of sugarcane
3. Use of Sulphour @ 40 kg/ha. in mustard
4. Application of Zinc sulphate @ 25 kg/ha followed by a spray of ZnSo4 @ 0.5 % at disease appearance in field of Paddy.
5. Introduction of high yielding variety of basmati rice Pusa 1509.
6. Soil solarization for raising healthy paddy nursery
7. Promotion of improved late sown variety HD 3059, after sugarcane harvesting
8. Introduction of high yielding timely sown variety HD-2967
9. Introduction of high yielding timely sown variety HD-3086
10. Introduction of high yielding timely sown variety DBW-17

11. Canopy management of mango orchard
12. Adoption of IPM technologies.
13. Adoption of Machan system in cucurbitaceous crops.
14. Value addition in agricultural products
15. Post harvest management.
16. Adoption of protected Agriculture.
17. Intercropping with Sugarcane.

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

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

1. Quality of recommended inputs involved in the technologies either unavailable or costly.

2. Damage by wild animals.

3.11 Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 2007

2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Spectrophotometer	01	106500
2	Flame Photometer	01	33430
3	pH meter	01	10350
4	Conductivity meter	01	8750
5	Physical balance	01	10900
6	Single pan balance electronic	01	87000
7	Water distillation Unit	01	85000
8	Kjeldahl Digestion apparatus	02	13400
9	Kjeldahl distillation apparatus	02	30000
10	Mechanical shaker	01	52700
11	Refrigerator with stabilizer	01	12000
12	Lab hot air oven	01	14500
13	Heating plate	01	8200
14	Grinder	01	23252
15	Microscope- Olympus	01	4600
16	Mridaparikshak Kit	02	16100.00
17	Mridaparikshak refill	03	42525.00

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	1200	600	25	-

4.0 LINKAGES

4.1 Functional linkage with different organizations

S.N.	Name of organization	Nature of linkage	Outcome of linkage
1.	State Agriculture Deptt.	Participation in training and meeting at Division, district, block and village level. Participation in Exhibition, Gosthies and Kisan Melas at various levels. Participation in soil testing programmes.	
2.	Fertilizer Agencies	Participation in training, meetings, Gosthies /Kisan diwas, Kisan Melas, soil testing and plantation programmes.	
3.	Banks	Participation in training, meetings, Gosthies /Kisan diwas, Kisan Mela, soil testing and plantation programmes.	
4.	Fisheries	Participation in training, meetings, Gosthies /Kisan diw as,	
5.	State Animal Husbandry Department	Participation in Animal Health care programmes & training, meetings, Gosthies	
6.	Horticulture Department	Participation in training, meeting, Gosthies and field visits.	
7.	IFFCO	Participation in Gosthies and demonstrations.	
8.	KRIBHCO	Participation in Gosthies and demonstrations.	
9.	NABARD	Participation in training, meeting and Gosthies	
10	NGO;s	Participation in training, meeting and Gosthies	

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	Technical input	
2	Awareness programme	Technical input	

5. Utilization of Hostel facilities - Needs heavy maintenance and reparing

S. No.	Programme	No. of days
1	**-**	**-**
	Total	

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

Hunger Free Village- 2026

Identified Constraints	Need based possible solution	Activities
Lack of knowledge about daily nutritional requirement	Knowledge enrichment about helthy eating pattern with all food groups + Poshan Thali for different age group	-Training and awareness programme
Unavailability and unawareness about right sources of nutrient dense and rich food	Establishment of round the year nutri-garden with bio fortified varieties of fruits & vegetables	Demonstration (Kitchen Gardening) - Training
Lack of dietary diversity	Nutrient enrichment through locally available food and plants	awareness programme Demonstration (Food Fortification
Lower purchasing power	Association with SHGs	- Training and awareness

Annexure-1

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										
16 March, 2026	PF	Natural Farming	4	17	-	17	3	-	3	20
24 Sept.. 2026	PF	Inter cropping with Sugarcane (trench method)	4	17	-	17	3	-	3	20
Horticulture										
Soil Health										
02 March., 2026	PF	Nutrient management and Soil sampling & testing	4	17	-	17	3	-	3	20
12 Nov., 2026	PF	Integrated nutrient management and natural farming	4	17	-	17	3	-	3	20
Livestock Production										
15 -18 April 2026	PF	Formulation of balance ration and its feeding in dairy animals.	4	17	-	17	3	-	3	20
08-11 Sep. 2026	PF	Metabolic diseases and its management in dairy animals	4	17	-	17	3	-	3	20
Home Sc.										
2 – 5 Feb., 2026	PF	Importance of Poshan Thali , save nutrients and balance diet.	4	-	17	17	-	3	3	20
23-26 Sept.,, 2026	PF	Household food security by nutrition gardening through organic farming and promote bio-fortified varieties in kitchen garden & their nutritional importance	4	-	17	17	-	3	3	20
Plant protection										
Feb., 2026	PF	Management of insect pest & disease of Sugarcane	4	17	-	17	3	-	3	20
Oct, 2026		Management of insect pest & disease of vegetable crops	4	17	-	17	3	-	3	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										
March, 2026	PF	Production technology of sugarcane	1	15	2	17	1	2	3	20
April, 2026	PF	Natural farming	1	17	-	17	3	-	3	20
May, 2026	PF	Intercropping with Sugarcane (Trench method)	1	17	-	17	3	-	3	20
25 June, 2026	PF	Nursery raising method of Basmati Rice	1	15	-	15	3	2	5	20
23 July, 2026	PF	Production Technology of Rice	1	15	2	17	2	1	3	20
20 Aug., 2026	PF	Production Technology of Shri Ann	1	15	2	17	2	1	3	20

24 Sept., 2026	PF	Production Technology of Mustard	1	15	2	17	2	1	3	20
15 Oct., 2026	PF	Production Technology of late sowing wheat	1	17	-	17	3	-	3	20
19 Nov., 2026	PF	Crop residue management	1	15	2	17	2	1	3	20
10 Dec., 2026	PF	Natural farming	1	15	2	17	2	1	3	20
Soil health										
07 Jan. 2026	PF	Importance of soil sampling and method	1	17	-	17	3	-	3	20
11 Feb 2026		Preparation of Ghan Jeevamrit	1	17	-	17	3	-	3	20
13 March., 2026	PF	Preparation of Jeevamrit	1	17	-	17	3	-	3	20
05 April, 2026	PF	Application of Nano DAP in Sugarcane	1	17	-	17	3	-	3	20
04 May., 2026	PF	Importance of sulphur in oilseeds crops	1	17	-	17	3	-	3	20
05 June., 2026	PF	Application of Nano DAP in Sugarcane	1	17	-	17	3	-	3	20
04 July., 2026	PF	Application of Nano DAP in Paddy	1	17	-	17	3	-	3	20
08 August, 2026	PF	Importance of natural farming for soil health	1	17	-	17	3	-	3	20
04 Sept, 2026	PF	Importance of micro nutrients	1	17	-	17	3	-	3	20
06 Nov.., 2026	PF	Application of Nano DAP in Wheat	1	17	-	17	3	-	3	20
Livestock Production										
05 Feb 2026	PF	Management of infertility in dairy animals	01	17	-	17	03	-	03	20
07 March 2026	PF	FMD: It's symptoms and prevention	01	17	-	17	03	-	03	20
08.April .2026	PF	Mastitis : its causes and prevention	01	17	-	17	03	-	03	20
13May 2026	PF	Heat stress: It's causes ,symptoms and prevention in dairy animals	01	17	-	17	03	-	03	20
10 June 2026	PF	Care and management of newly born calves and pregnant animal	01	17	-	17	03	-	03	20
15 July 2026	PF	Management of Bloat in animals	01	17	-	17	03	-	03	20
20 August 2026	PF	Green fodder production throughout the year	01	17	-	17	03	-	03	20
17 Sept. 2026	PF	Importance of Mineral mixture in dairy animals	01	17	-	17	03	-	03	20
14 Oct 2026	PF	Nutritional and Manage mental strategies for the improvement fertility in dairy animals	1	17	-	17	3	-	3	20
13 Nov. 2026	PF	Silage making method for dairy animals	01	17	-	17	03	-	03	20
Home Sci.										
21 January 2026	PF	Importance of millets in diet & their nutritional importance	1	-	17	17	-	3	3	20
18 March,	PF	Diet plan chart for rural women	1	-	17	17	-	3	3	20

2026											
03 April , 2026	PF	Household food security by nutrition gardening through organic farming	1	-	17	17	-	3	3	20
23 May, 2026	PF	Importance of Poshan Thali and aware the farm women regarding different food groups	1	-	17	17	-	3	3	20
21 June., 2026	PF	To Promote bio-fortified varieties in kitchen garden & their nutritional importance	1	-	17	17	-	3	3	20
08 July., 2026	PF	To impart the knowledge for rural women related to roof top kitchen gardening.	1	-	17	17	-	3	3	20
28 Aug., 2026	PF	Importance of balance diet and Poshan Thali for western region	1	-	17	17	-	3	3	20
29 Oct., 2026	PF	Selection, grading and selling of food items.	1	-	17	17	-	3	3	20
20 Nov., 2026	PF	To aware the farm women about the the medicinal plants and their value addition .	1	-	17	17	-	3	3	20
01 Dec., 2026	PF	Reduction of time and drudgery by the use of improved agricultural implements	1	-	17	17	-	3	3	20
Plant Protection											
Jan 2026	PF	Management of borers in sugarcane	1	17	-	17	3	-	3	20
Feb 2026	PF	Management of fruit borer of in okra.	1	17	-	17	3	-	3	20
April 2026	PF	Management of pokka bowing diseases in sugarcane	1	17	-	17	3	-	3	20
June 2026	PF	Mangement of nursery disease in Paddy	1	17	-	17	3	-	3	20
July, 2026	PF	Role of pheromone traps in managing lepidopterous pest in rice crops	1	17	-	17	3	-	3	20
Aug., 2026	PF	Management of DBM in cole crop	1	17	-	17	3	-	3	20
Sept., 2026	PF	Management of shoot & fruit borer in brinjal.	1	17	-	17	3	-	3	20
Oct., 2026	PF	Management of oilseeds crops disease .	1	17	-	17	3	-	3	20
Nov., 2026	PF	Management of blight in Potato	1	17	-	17	3	-	3	20
Dec., 2026	PF	Management of mealy bug in mango.	1	17	-	17	3	-	3	20

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G. Total
					M	F	T	M	F	T	
Crop Production											
Organic Farming	Organic Farming	Natural Farming	April	05	5	2	7	2	1	3	10
Wheat	Seed Production	Seed Production technique of wheat	October	05	5	2	7	2	1	3	10

Soil Science											
Soil health	Soil Health Management	Natural farming	June	07	5	2	7	2	1	3	10
		Importance of Vermin compost	Dec	07	5	2	7	2	1	3	10
Livestock Production											
Dairy	Skill Development	Scientific way of Dairy/Goat/Pig farming	August	10	5	2	7	2	1	3	10
Home Science											
Income generation and food fortification	Women empowerment	Food Fortification by locally available food-sprouted moong, laddu	January	07	-	7	7	-	3	3	10
Income generation	Women empowerment	Tie & Dye techniques	May	07	-	7	7	-	3	3	10
Plant protection											
Mushroom	Skill Development	Mushroom production	Sept.	21	5	2	7	2	1	3	10

iii)Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
12th February, 2026	EF	Natural farming concept and formulation	1	17	-	17	3	-	3	20
10th April 2026		Introduction of latest varieties of Paddy	1	17	-	17	3	-	3	20
19th Sept., 2026		Introduction of latest varieties of Wheat	1	17	-	17	3	-	3	20
16th Nov., 2026		Introduction of latest varieties of Sugarcane	1	17	-	17	3	-	3	20
Horticulture										
6th Feb., 2026	EF	Intercropping vegetable with spring sugarcane	1	17	-	17	3	-	3	20
6th June, 2026		Selection of plant and planting technique of Guava	1	17	-	17	3	-	3	20
Sept. 2026		Fertilizer Management in Mango orchard	1	17	-	17	3	-	3	20
Nov.2026		Rejuvenation of old mango orchard	1	17	-	17	3	-	3	20
Soil Science										
20th Feb., 2026	EF	Importance of Natural Farming	1	12	-	12	3	-	3	15
16th May, 2026		Important of Nano Fertlizer	1	12	-	12	3	-	3	15
4th July, 2026		Preparation of Ghan Jeevamrit	1	12	-	12	3	-	3	15
19th Dec., 2026		Residue management for improving the soil health and safe environment	1	12	-	12	3	-	3	15
Livestock Production										
23 April2026	EF	FMD: symptoms and prevention	1	17	-	17	3	-	3	20
16 May 2026	EF	Importance of Mineral mixture in dairy animals	1	17	-	17	3	-	3	20
17 July2026	EF	Importance of vaccination in animals	1	17	-	17	3	-	3	20
20 Oct 2026	EF	Mastitis : its causes and prevention	1	17	-	17	3	-	3	20
Home Science										
15th Feb., 2026	Ext.fun	Importance of Poshan Thali and balance diet.	1	-	12	12	-	3	3	15
11th April, 2026		To Promote food fortification through locally available grains	1	-	12	12	-	3	3	15
3rd August, 2026		Importance of millets in diet & their nutritional importance	1	-	12	12	-	3	3	15
12th Oct., 2026		Household food security through use of bio-fortified varieties in nutritional garden.	1	-	12	12	-	3	3	15
Plant Protection										
Jan., 2026	Ext.fun	Use and importance of Bio-pesticides in pest management	1	14	3	17	2	1	3	20
May, 2026		Application of bio-rational pesticides	1	14	3	17	2	1	3	20

August , 2026		Safe handling and use of pesticides	1	14	3	17	2	1	3	20
November, 2026		Use of Microbial pesticides in agricultural	1	14	3	17	2	1	3	20

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programme											
Crop Production	Deptt. of Agriculture	PF	Oil seeds production techniques	1	17	-	17	3	-	3	20
	Deptt. of Agriculture	PF	Technique rising of paddy nursery	1	17	-	17	3	-	3	20
	Deptt. of Agriculture	PF	Pulses production technology	1	17	-	17	3	-	3	20
	Deptt. of Agriculture	PF	Urd, Moong & Mustard Intercropping with sugarcane	1	17	-	17	3	-	3	20
	Deptt. of Agriculture	PF	Weed management in wheat under rice-wheat system	1	17	-	17	3	-	3	20
Soil Science	Deptt. of Agricultural	PF	Introduction and use of Bio-fertilizer	1	17	-	17	3	-	3	20
	Deptt. of Agriculture	PF	Soil Testing Abhiyan	1	17	-	17	3	-	3	20
Plant Protection	Deptt. of Horticulture	PF	Control of fruit & shoot borer in vegetables	1	17	-	17	3	-	3	20
	Deptt. of Agriculture	PF	Control of stem borer in Paddy	1	17	-	17	3	-	3	20
	Deptt. of Sugarcane	PF	Management of borers in Sugarcane	1	17	-	17	3	-	3	20
	Deptt. of Plant Prot.	PF	Control of Bacterial blight & Blast in rice	1	17	-	17	3	-	3	20