RAMPUR ANNUAL PROGRESS REPORT (January to December, 2023)

APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	101	1596	426	2022
Rural youths	03	30	0	30
Extension functionaries	14	124	20	144
Sponsored Training	-	-	-	-
Vocational Training	-	-	-	-
Total	**118**	**1750**	**446**	**2196**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area(ha)	Units/Animals
Oilseeds	50	20.00	
Pulses	25	10.00	
Cereals	40	100.00	
Vegetables	45	11.00	
Other crops	20	8.00	
Hybrid crops			
Total	**180**	**149.00**	
Livestock & Fisheries	40		70
Other enterprises	10		20
Total	**50**		**90**
Grand Total	**230**	**149.00**	**90**

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	04	04	20
Livestock	02	02	10
Various enterprises	02	02	10
Total	**08**	**08**	**40**
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total	**0**	**0**	**0**
Grand Total	**08**	**08**	**40**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	853	23434
Other extension activities	68	–
Total	**921**	**23434**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
Rampur	Text only	100	41			67	75	283
	Voice only	265						265
	Voice & Text both	245						245
	Total Messages	**610**	**41**			**67**	**75**	**793**
	Total farmers Benefitted	**830**	**43**			**316**	**613**	**1802**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	**352.34**	**466650.00**
Planting material (No.)	**60696**	**22350.00**
Bio-Products (kg)	**1165**	Use at KVK Farm
Livestock Production (No.)		
Fishery production (No.)		

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil -445	445	16360
Water		
Plant		
Total	**442**	**16360**

8. HRD and Publications

Sr. No.	Category	Number	No. of Participants
1	Workshops	03	
2	Conferences	02	
3	Meetings	05	
4	Trainings for KVK officials	07	

5	Visits of KVK officials	01	
6	Book published	1	1350
7	Training Manual	02	2000
8	Book chapters	06	
9	Research papers	01	
10	Lead papers	0	
11	Seminar papers	0	
12	Extension folder	05	500
13	Proceedings	0	
14	Award & recognition	0	
15	On going research projects	0	

DETAIL REPORT OF APR- JANUARY TO DECEMBER, 2023

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Krishi Vigyan Kendra, Dhamora-Rampur (U.P.)	Office	FAX	rampurkvk@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Sardar Vallabhbhai Patel University of Ag. & tech., Meerut (U.P.)	0121-2411511	0121-2411540	deesuvpuat2014@gmail.com

1.3. Name of the ProgrammeCoordinator with phone & mobile No

Name	Telephone/Contact		
	Residence	Mobile	E-mail
Dr. Faiz Mohsin	-	9719244864	drfaizmohsin@gmail.com

1.4. Year of sanction : 1992

1.5. Staff Position (as on 31 December, 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Subject	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Perman-ent /Temp-orary	Category (SC/ST/ OBC/ Others)	Mobile no.	Age	Email id
1	Programme Coordinator	Dr. Faiz Mohsin	Professor &Incharge	Agro Forestry	Column (14)	199600	05.07.1996	Permanent	Gen	9719244864	56	drfaizmohsin @gmail.com
2	Subject Matter Specialist	Dr. Suneeta Pant	SMS /Asstt.Prof.	Home Sc.	Column (11)	101200	23.06.2008	Permanent	Gen	9412048417	55	suneetapt@gmail.com
3	Subject Matter Specialist	Dr. Narendra Singh	SMS /Asstt.Prof.	Agronomy	Column (11)	98300	15.01.2009	Permanent	Gen	9457168051	44	gnarendra1976@gmail.com
4	Subject Matter Specialist	Dr. Ashish Kumar	SMS/T6	Horticulture	Column (10)	57800	01.07.2022	Permanent	OBC	9359058508	41	dr.ashishkumardangi@gmail .com
5	Subject Matter Specialist	Dr. Anuj Bansal	SMS/T6	Plant Protection	Column (10)	57800	01.07.2022	Permanent	OBC	7417315657	32	drbansal2022@gmail.com
6	Computer Programmer	Bhagwan Singh Negi	Prog. Asstt./ Computer Programmer	Computer	Column (7)	58600	18.08.2007	Permanent	Gen	9453381682	51	bsnegi.05@gmail.com
7	Farm Manager	Dr. Hamveer Singh	Prog. Asstt./ Farm Manager	Plant Breeding	Column (7)	58600	18.08.2007	Permanent	OBC	9759173168	55	hamveersingh15@gmail.co m
8	Driver	Sh Sandeep Kumar	Driver		Column (4)	34300	31.12.2003	Permanent	SC	9458739410	42	-
9	Supporting staff	ShVinod Kumar	Attendant	-	Column (2)	27600	22.11.2010	Permanent	SC	9760671748	43	-

1.6. Total land with KVK (in ha)

S. No.	Item	Area (ha)
1	Under Buildings	1.012
2.	Under Demonstration Units	0.300
3.	Under Crops	8.540
4.	Orchard/Agro-forestry	2.140
5.	Others (Irrigation channels, Chuck Road, bunds etc.)	0.821
	Total	**12.813**

1.7. Infrastructural Development:

A) Buildings

SN	Name of building	Source of funding	Stage		
			Complete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)
1.	Administrative Building	ICAR	1997	550.00	-
2.	Farmers Hostel	ICAR	2008	298.12	1643000.00
3.	Staff Quarters (6)	ICAR	-	440.00	2669800.00
4.	Demonstration Units (2)	ICAR	-	160.00	1105837.00
5	Compound wall/ Fencing	ICAR	-	1000 R/M	1922000.00
6	Rain Water harvesting system	-	-	-	-
7	Threshing floor	ICAR	-	300.00	225000.00
8	Farm godown	ICAR	-	60.00	362671.00
9	Irrigation Channel	ICAR	-	1200 R/M	991440.00
10	Soil testing lab	ICAR	-	65.50	300000.00

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor Sonalika	March 2017	520863.00	470 hrs.	Working
Bolero Jeep	2 July 2009	507000.00	228104	Working
Bicycle	20.11.2003	1500.00	-	Not Working

C) Equipments& AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
O.H. Projector	Transferred from Pantnagar on 05.09.1995	-	Not Working
Slide Projector	Transferred from Pantnagar on 05.09.1995	-	Not Working
Panasonic LCD multimedia projector with SD memory card reader	30.03.2007	68125.00	Not Working
Camera hot shot	Transferred from Pantnagar on 05.09.1995	-	Not working
Sony Digital camera	31.03.2004	15300.00	Not working
Sony Digital camera	25-03-2014	10450.00	In working order

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

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	**21.11.2023**	1. Dr.P.K Singh ,D.E , SVPUA&T, Meerut 2. Dr. Faiz Mohsin, OIC/Secretary 3. Sh. Sailendra Singh, DDAG, Rampur 4. Dr. K.G.Yadav, Prof. Agronomy., SVPUA&T, Meerut 5. Dr. S.K. Tripathi, Assoc. Prof. Hort., SVPUA&T, Meerut 6. Sh. Narendra Pal, DOA, Rampur 7. Sh. Kamelsh Kumar, OIC, Training Center, Rampur 8. Sh. Prakash Veer, Cane Dept. Rampur 9. Dr. Josh Kumar, VO, Dhamora 10. Sh. Jograj Singh, Member 11. Sh.Devendra Kumar, Member 12. Kailash Chand, SMS, Agri. Dept. 13. Dr. Pushpa Shrama, Member 14. Sh. Malikhan Singh, Member		

* Attach a copy of SAC proceedings along with list of participants

2. DETAILS OF DISTRICT (31 December, 2023)

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

S. No	Farming system/enterprise
1.	Agriculture- Horticulture
2.	Agriculture- Dairying
3.	Agriculture- Goat rearing
4.	Agriculture- Poultry
5.	Poultry
6.	Fishery
7.	Bee keeping
8.	Horticulture
9.	Agro forestry

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

SN	Agro-climatic Zone	Agro ecological situation based on soil & topography	Characteristics
1	Mid western plain zone	AES-I	The soils are low to medium in available phosphorus, medium to high in organic carbon. Bilaspur and Suar tehsils area falls under this AES. The major crops grown are paddy, wheat, sugarcane, toria, mentha, sunflower etc.
2		AES-II	The soils are low to medium in available phosphorus and organic carbon. Shahabad, Sadar, Tanda and Milak tehsil area falls under this AES. The major crops grown are paddy, wheat, sugarcane, toria, lentil ,mentha etc.

2.3 Soil types

S. No	Soil type	Characteristics	Area in ha.
1	Silt clay loam	-	25
2	Loam and Sandy loam	-	55
3	Loamy Sand	-	15
4	Sandy Soil	-	4

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

S. No	Crop	Area (ha)	Production (m.t.)	Productivity (Qt /ha)
1	Rice	143312	403423	28.15
2	Wheat	150410	619990	41.22
3	Jowar	602	574	0.95
4	Bajra	3394	2746	0.81
	Total Cereals	**297718**	**1026733**	**71.13**
5	Urd	4964	5848	11.70
6	Moong	14	02	0.14
7	Lentil	1345	814	6.05
8	Gram	33	45	13.64
9	Pea	2835	4391	15.49
Total Pulses		**9191**	**11100**	**47.02**
Total Food Grains		279751	895176	112.4
10	Mustard	4896	7001	14.30
11	Til	11	01	0.09
Total Oilseeds		**4907**	**7002**	**14.39**

Source of information: Kharif/Rabi karyashala, Krishi Vibhag Uttar Pradesh

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0}C		Relative Humidity (%)
Jan., 2023	33.89	**Maximum**	**Minimum**	54.71
Feb., 2023	39.36			53.27
Mar., 2023	27.64			38.09
Apr., 2023	37.03			22.86
May., 2023	31.65			21.36
Jun., 2023	105.74			33.03
July., 2023	363.15			60.78
Aug., 2023	391.02			71.27
Sept., 2023	128.79			68.93
Oct, 2023	12.10			52.03
Nov, 2023	9.03			41.64
Dece, 2023	13.7			51.37

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

Category	Population	Production	Productivity
Cattle			
Crossbred	23544	-	-
Indigenous	128851	-	-
Buffalo	440452	-	-
Sheep			
Crossbred			
Indigenous	9437		
Goats	119753		
Pigs			
Crossbred			
Indigenous	11611		
Rabbits			
Poultry			
Hens	454068		
Desi			
Improved			
Ducks			
Turkey and others			

Category	Area	Production	Productivity
Fish	360.636	-	26 q/ha
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

2.7 Details of Operational area / Villages (31 DECEMBER, 2023)

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Sadar	Chamrauwa	Daniapur Shankarpur, Deenpur, Mankara, Kanpur, Rajarampur, Hariyal, Dundai, Koyala	Paddy	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Wheat	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Urd	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Toria/Mustard	Low yield	Integrated Nutrient Management Integrated Pest Management Replacement of variety
				Sugarcane	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Mentha	Low yield	Integrated Pest Management Replacement of variety
				Mango	Low yield	Poor management
				Poplar	Low growth	Integrated Pest Management Scientific planting technique
2.	Bilaspur	Bilaspur	Begamabad, Pipaliya Mishra, Kemri, Ahero, Kankpur, Pipaliyanau, Anwariya farm, Tajpur, Tanda Hurmatnagar, Dankara	Paddy	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Wheat	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Urd	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Sugarcane	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Mentha	Low yield	Integrated Pest Management Replacement of variety

				Mango	Low yield	Poor management
3.	Milak	Milak	Loha Patti Bholanath, Lodhipur, Narkhera, Nipaniya, Rasdandia, Nagla Udai, Sihari, Tirah, Pureniya Zadid, Shyampur, Khanpur Zadid, Bakeniya, Rathonda, Singra, Saindoli, Bansipur, Chichuli, Barakhas, Lakhnakeda, Paigampur, Rooppur, Jadhonpur Babura, Mehndinagar, Mehndipur Khatanagliga, Anchora, JiwaiZadid, Rajpur, Jhunaiya, Baknauli	Paddy	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Wheat	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Urd	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Toria/Mustard	Low yield	Integrated Nutrient Management Integrated Pest Management Replacement of variety
				Mentha	Low yield	Integrated Pest Management Replacement of variety
				Mango	Low yield	Poor management
				Poplar	Low growth	Non adoption of scientific planting methods and plant protection measures
				Sugarcane	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Cattle	Low yield	Green fodder production Supplementation of mineral mixture and salt in feed Management and balanced feeding of farm animals Control of Animal Disease and abdominal worms
				Buffalo	Low yield	Green fodder production Supplementation of mineral mixture and salt in feed Management and balanced feeding of farm animals Control of Animal Disease and abdominal worms
4	Shahabad	Shahabad	Dohariya Jankpur Mathurapur Kira Matwali	Paddy	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Wheat	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management

				Urd	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed managemen Irrigation management
				Toria/ Mustard	Low yield	Integrated Nutrient Management Integrated Pest Management Replacement of variety
				Sugarcane	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Mango	Low yield	Poor management
5	Swar	Swar	Maswasi	Paddy	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Wheat	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Urd	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Toria/ Mustard	Low yield	Integrated Nutrient Management Integrated Pest Management Replacement of variety
				Sugarcane	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Mango	Low yield	Poor management
6	Tanda	Saidnagar	Alipura, Hamirpur Kumariya	Paddy	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Wheat	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Urd	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management
				Toria/ Mustard	Low yield	Integrated Nutrient Management Integrated Pest Management Replacement of variety
				Sugarcane	Low yield	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Weed management Irrigation management

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Rice	• Integrated Nutrient Management • Integrated Pest Management • Weed management • Water management • Seed production
Wheat	• Integrated Nutrient Management • Weed management • Water management • Seed production
Urd(Black Gram)	• Crop management • Integrated pest management • Replacement of variety
Lentil	• Integrated pest management • Replacement of variety
Mustard	• Integrated Nutrient Management • Integrated Pest Management • Replacement of variety
Toria	• Integrated Nutrient Management • Integrated Pest Management • Replacement of variety
Mentha	• Integrated Nutrient Management • Integrated Pest Management • Replacement of variety
Sugarcane	• Integrated Nutrient Management • Weed management • Water management • Seed production
Small scale entrepreneur	• Mushroom production • Bee keeping
Live stock	• Management and balanced feeding of farm animals • Green fodder production • Supplementation of mineral mixture and salt in feed • Control of Animal Disease and abdominal worms • Backyard poultry farming
Fisheries	• Availability of quality fish seed for stocking • Nutritionally Balanced feed in fish culture
Home Science	• Balanced diet and nutrition management in human being • Popularizing handicraft • Drudgery reduction • Value addition to food products

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during Jan, 2023 to December, 2023

OFT (Technology Assessment)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
12	08	70	40	54.4	149	205	230

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	99	101	1975	2022	461	921	4965	23434
Rural youth	09	03	90	30				
Extn. Functionaries	32	14	320	144				
Other								

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	352.34	NSC	20000	60696	133

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Integrated Nutrient Management				
Varietal Evaluation	Tomato	Assessment of high yielding and triple resistant tomato varieties	01	05
	Chilli	Assessment of high yielding and Virus resistant chilli varieties	01	05
Integrated Pest Management	Paddy	Management of Brown Plant Hopper in paddy	01	05
Integrated Crop Management	Wheat	Assessment of Plant growth regulators (Chlormiquat Chloride) and fungicides (Tebiconazole) on wheat yield	01	05
Integrated Disease Management				
Small Scale Income Generation Enterprises				

Weed Management				
Resource Conservation Technology				
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Post Harvest Technology / Value addition				
Drudgery Reduction				
Storage Technique				
Others (Pl. specify)				
Total			**04**	**20**

Summary of technologies assessed under livestock by KVKs

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Disease Management				
Evaluation of Breeds				
Feed and Fodder management				
Nutrition Management	Cattle	Vetemate treatment	01	05
Production and Management	Cattle	Pashu Chocolate	01	05
Others (Pl. specify)				
Total			**02**	**10**

Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
Value addition	Amla	Preservation and value addition	1	05
	Milk	Processing and value addition	1	05
Total				
			02	**10**

I.B. TECHNOLOGY ASSESSMENT IN DETAIL

INTEGRATED CROP MANAGEMENT

OFT-1

***Problem definition*:** *Low Productivity of Wheat*

Technology Assessed: Assessment of plant growth regulators and fungicides on yield of wheat crop.

Wheat is a major crop of Rampur district and Lodging is a serious problem for sustainable wheat production because wheat is a highly prone to lodging during late vegetative growth and at reproductive stages. Due to lodging problem decreases photosynthetic ability and biomass production, deteriorates seed quality and creates difficulties to harvest operations. To short out the problem and enhancing the productivity of wheat crop, KVK Rampur conducted On-farm trial on plant growth regulators and fungicides. Application of plant growth regulator (Chloromequat chloride 0.2%) and fungicides (tebuconazole 0.1%) at first node and boot leaf stage reduced the crop lodging and disease Incidence in comparison to in which no both were applied. Plant growth regulators effectively reduced the lodging of wheat and enhanced grain and straw yield of the plants. The Chlormequat chloride 0.2% + tebuconazole 0.1% applied at 45 and 65 days of sowing. Wheat variety was used HD- 3226.Details are given below-

Technology Option	No. of trials	Yield (qt./ha)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T1- Farmer Practice (No use of Plant growth regulators and fungicides)	01 (05 farmers field)	52.6	-	83060	3.46
T2- Plant growth regulators (Chloromequat chloride 0.2%) and fungicides (tebuconazole 0.1%)		58.7	11.59	93985.31	3.63

PEST AND DISEASE MANAGEMENT

OFT-2

Problem definition: Heavy infestation of BPH effecting in yield loss of 20 to 40 percent.

Technology Assessed : Management of BPH in paddy crop

Paddy is an important staple food crop in india. This crop is grown on a large area in Rampur district. Being a Tarai district, Brown Plant Hopper are more prevalent in Rampur district. So the refined technology to management BPH in paddy with Dinotefuran 15% + Pymetrozine 45% WG (This chemical dual mode of action, eliminates all stage of BPH in paddy) It control disease incidence and the yield increased over farmer practices.

Table Effect

Technology Option	No.of trials	Percent deduction	Yield (q/ha)	% Increase in yield over farmer's practice	B:C Ratio
T1- Use of Buprofezin @875-1000 ml/ha. (Two spray)	01 (05 farmers field)	Result Awaited			
T2- Use of Dinotefuran 15% + Pymetrozine 45% WG (333gm/ha.)					

VARIETAL EVALUTION

OFT-3

Problem definition: Low Productivity and profitability of tomato

Technology Assessed: Assessment of high yielding and triple resistant tomato varieties.

Tomato one of the important vegetable crop of Rampur district. But low Productivity and profitability of tomato crop due the small size, low keeping quality and high disease infestation in crop farmer feel severe losses in tomato cultivation. Keeping in mind that facts KVK Rampur conducted a on farm trial with following details.

Technology Option	No. of trials	Yield (qt./ha)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T1- Farmer Practice (sartaj)	01 (05 farmers field)	Result awaited			
T2- ArkaRakshak (Resistant for Tomato leaf Curl virus, Bacterial wilt, early belight)					

OFT-4

Problem definition: Low Productivity and profitability of chilli

Technology Assessed: Assessment of high yielding and Virus resistant chilli varieties.

Chilli is one of the major spicescrop of Rampur district. But low Productivity and profitability of Chilli crop due the high infestation of virus and lower recovery of dry chilliin crop farmer feel severe losses in chilli cultivation. Keeping in mind that facts KVK Rampur conducted a on farm trial with following details.

Technology Option	No. of trials	Yield (qt./ha)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T1- Farmer Practice (SHP-4884j)	01 (05 farmers field)	Result awaited			
T2- SW – 460 (Viruses resistant and good compactness)					

LIVESTOCK ENTERPRISES

OFT-5

Problem definition: low milk yield and infertilityin crossbreed cows due to imbalance nutrients.

Technology Assessed : Enhancement Of Milk Yield And Reduction Of Infertility In Crossbreed Cows through UMMB Treatment.

KVK, Rampur conducted trial to find out suitable control measure forlow milk yield andinfertility in cross bred cows as the recommended practice could not stop recurrence ofinfertility to the desired level. The technology recommended was fine tuned by including UMMB therapy for the control of low milk yield and infertility..

Table Effect of UMMB in the control of malnutrition

Table: Urea molasses Minerals block supplementation on milk production and Reproductive performance.

Technology Option	No.of trials	Average milk yield lit/day	% increase	Gross cost (Rs)	Gross Return (Rs)	BC Ratio	Conception Rate (%)
T1- Use of choker and common salt (Farmers practice)	5	4.20	-	130.20	180.0	1.40	20
T2- UMMB supplementation (Licking) @ 300 g/day/animal		6.24	20.67	139.20	251.4	1.82	80

OFT-6

Problem definition: High incidence of post calving Anoestrous in cow resulting low productivity and milk yield.

Technology Assessed : Control of post calving Anoestrousin crossbreed cows.

KVK, Rampur conducted trial to find out suitable control measure for post calving Anoestrousin cross bred cows as the recommended practice could not stop recurrence of post calving Anoestrousto the desired level. The technology assessed was treatment withMin Mix+ Vetmate Inj. for the control of post calving Anoestrous.

Table Effect - Min Mix+ VetmateInj **in the control of** post calving Anoestrous

Technology Option	No.of trials	Percentage Calving Rate
Farmers practice	5	30
Use of Min Mix 50g/day/Animal for 60 days + VetmateInj gonadotropin harmone) 2 ml (72-96 hrs before ai) after 45 days of calving.		80

VALUE ADDITION

OFT-7.

Problem definition: Low income of farmer women due to no further value addition of defatted milk.

Technology Assessed or Refined: KVK Rampur conducted trail to find out the role of value addition to defatted milk. The technology recommend was 92 % acceptable .

Table Effect -

Technology Option	No.of trials	Income (rs.)	Acceptability (%)	BC Ratio
T1- Farmers practice	05	50	-	
T2- Income generation through value addition of defatted milk (masala paneer)		75	92	1:1.42

OFT-8

Problem definition: Low income of farmer women due to excess production in Anola

Technology Assessed or Refined (as the case may be): KVK Rampur conducted trail to find out the role of value addition to amla. The technology recommend was 90 % acceptable .

Table Effect -

Technology Option	No.of trials	Income (rs./kg)	Acceptability (%)	BC Ratio
T1- Farmers practice	05	170	-	
T2- Income generation through value addition of Anola		Result Awaited		

II. FRONTLINE DEMONSTRATION

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2022-23 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Wheat	Varietal Development	DBW – 187	FLD, Training, electronic/print media media	12	20	100
2	Wheat	Varietal Development	HD- 3226	FLD, Training, electronic/print media media	15	25	110
3	Wheat	Weed management	Clodinafop 15% WP + Metsulfuron methyl 20% WP	FLD, Training, electronic/print media media	20	50	20
4	Basmati Rice	Varietal development	Pusa Basmati-1718	FLD, Training, electronic/print media media	20	100	125
5	Basmati Rice	Varietal development	Pusa Basmati-1692	FLD, Training, electronic/print media media	10	25	25

List of technologies demonstrated during previous year and popularized during 2022-23 and recommended for large scale adoption in the district

b. Details of FLDs implemented during **2022-23** (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Wheat	Weed management	Clodinafop 15% WP+Metsulfuron methyl 20% WP	Rabi 2022-23	8.0	8.0	2	18	20	--
2	Wheat	Varietal development	DBW – 187	Rabi 2022-23	4.0	8.0	02	18	20	--
3	Wheat	Varietal development	HD- 3226	Rabi 2022-23	4.0	8.0	02	18	20	--

4	Basmati Rice	Varietal development	Pusa Basmati-1718	Kharif 2023	8.0	8.0	02	18	20	_
5	Basmati Rice	Varietal development	Pusa Basmati-1692	Kharif 2023	8.0	8.0	01	19	20	
6	Paddy	IPM	Chlorantraniliprole 0.4% GR	Kharif 2023	8.0	8.0	02	18	20	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Wheat	Rabi 2022-23	Irrigated	Loam	L	M	L	Rice	10.11.2022-20.11.2022	10.4.2023-25.4.2023	--	--
Wheat	Rabi 2022-23	Irrigated	Loam	L	M	L	Rice	10.11.2022-20.11.2022	10.4.2023- 25.4.2023	--	--
Wheat	Rabi 2022-23	Irrigated	Loam	L	M	L	Rice	10.11.2022-20.11.2022	10.4.2023- 25.4.2023	--	--
Basmati Rice	Kharif 2023	Irrigated	Loam	L	M	L	Wheat	02-05.07.2023	-	-	-
Basmati Rice	Kharif 2023	Irrigated	Loam	L	M	L	Wheat	05-08.07.2023	10-15.10.2023	-	-
Paddy	Kharif 2023	Irrigated	Loam	L	M	L	Wheat	03-08.07.2023	-	-	-

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	07	11.01.23, 13.01.23, 21.02.23 02.03.23, 03.03.23, 10.10.23, 21.10.23	339	
2	Farmers Training	12	Different dates	240	
3	Media coverage	10	Different dates	Mass	
4	Training for extension functionaries				

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter				% Advantage	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot			Check plot		Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
							High	Low	Average			High	Low	Average										
Groundnut																								
Sesamum																								
Mustard																								
	ICM	Improved seed + Insecticide	Pant Shweta	50	20.0	No. of siliqua per plant	228	202	215	190	13.15	16.15	12.17	14.16	11.66	21.44	47583	84960	37377	1.78	45970	69960	23990	1.52
Toria																								
Linseed																								
Sunflower																								
Soybean																								

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	**Feed Back for researchers**	**Feedback for line department**
1	• Disease and pest infestation was very less • Production of crops (14.16 q/ha) was very good and farmers were happy.	To promote Pant Shweta variety of mustard in farmers community
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	Soil testing must be done before showing the crop and proper agronomic practices must be followed for better production of the crops
2	

Frontline demonstration on pulse crops

Crop	**Thematic Area**	**technology demonstrated**	**Variety**	**No. of Farmers**	**Area (ha)**	**Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)**	**Result of main parameter**				**% Advantage**	**Yield (q/ha)**				**% Increase in yield**	**Economics of demonstration (Rs./ha)**				**Economics of check (Rs./ha)**			
							Demo plot					**Demo**												
							High	**Low**	**Average**	**Check plot**		**High**	**Low**	**Average**	**Check**		**Gross Cost**	**Gross Return**	**Net Return**	**BCR (R/C)**	**Gross Cost**	**Gross Return**	**Net Return**	**BCR (R/C)**
Pigeonpea																								
Blackgram																								
	ICM	Improved seed + Insecticide	Vallabhurd-1	25	10.0	Result Awaited																		
Greengram																								
Chickpea																								

Fieldpea																							
Lentil																							
Horsegram																							

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	**Feed Back for researchers**	**Feedback for line department**
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

FLD on Other crops

Crop	**Thematic Area**	**technology demonstrated**	**Variety**	**No. of Farmers**	**Area (ha)**	**Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)**	**Result of main parameter**				**% Advantage**	**Yield (q/ha)**				**% Increase in yield**	**Economics of demonstration (Rs./ha)**				**Economics of check (Rs./ha)**			
							Demo plot					**Demo**												
							High	**Low**	**Average**	**Check plot**		**High**	**Low**	**Average**	**Check**		**Gross Cost**	**Gross Return**	**Net Return**	**BCR (R/C)**	**Gross Cost**	**Gross Return**	**Net Return**	**BCR (R/C)**
Cereals																								
Paddy																								

Basmati Rice	Varietal development	Pusa Basmati-1718	Pusa Basmati-1718	20	8.0	Result Awaited																	
Basmati Rice	Varietal development	Pusa Basmati-1692	Pusa Basmati-1692	20	8.0	Penicle length	9	7	8	7		56	42	48	42	14.28	44350	153600	109250	3.46	46930	105000	58070	2.23
Waterlogged Situation																								
Coarse Rice																								
Scented Rice																								
Wheat	Varietal Development	DBW – 187	DBW – 187	20	8.0	No.of grains per spike	100	78	95	74	28.0	61.0	38.1	58.7	52.6	11.59	35241.00	129764.0	94522.0	3.68	33741.0	116801.00	83060.0	3.46
	Varietal Development	HD- 3226	HD- 3226	20	8.0	No.of grains per spike	48	28	37	30	23.3	67.0	42.8	59.2	53.7	10.23	35241.00	130736.0	95495.00	3.71	33741.0	119070.0	82328.00	3.53
	Weed management	Clodinafop 15% WP + Metsulfuron methyl 20%	DBW-222	20	8.0	No. of weeds / m^2	8	2	4	40.2	90	71	41.2	57.2	51.1	11.94	33741.00	126523.00	92782.0	3.75	33591.00	113560.00	79969.00	3.38
Wheat Timely sown																								

Wheat Late Sown																							
Mandua																							
Barley																							
Maize																							
Amaranth																							
Millets																							
Jowar																							
Bajra																							
Barnyard millet																							
Finger millet																							
Vegetables																							
Bottlegourd																							

Bittergourd																								
Cowpea																								
Spongegourd																								
Petha																								
Tomato	Varietal development	Arka Rakshak	Arka Rakshak	05	1.0	Result Awaited																		
	Grading and standardization	Zinc, Iron, Boron, Copper	Agromin	10	4.0	Result Awaited																		
Frenchbean																								

Capsicum																								
Chilli	Varietal development	SW-460	SW-460	10	1.0	Result Awaited																		
Brinjal																								

Vegetable pea	Weed management	Preemergence Weedicide	Pendamethlin	10	4.0	Result Awaited																		
Softgourd																								

Okra																							
Colocasia (Arvi)																							
Broccoli																							

Cucumber																								
Onion	Varietal development	Agrifound Dark red	Agrifound Dark red	10	1.0	Result Awaited																		
Coriender																								
Lettuce																								
Cabbage																								
Cauliflower																								

Elephant fruit																							
Flower crops																							
Marigold																							
Bela																							
Tuberose																							
Gladiolus																							
Fruit crops																							
Mango																							
Strawberry																							
Guava																							
Banana																							
Papaya																							
Muskmelon																							

Watermelon																								
Spices & condiments																								
Ginger																								
Garlic																								
Turmeric																								
Commercial Crops																								
Sugarcane																								
Potato	IDM	Fungicide Cymoxanil + Mancozeb 600	Kufari	20	8.0	Resulted awaited																		
Medicinal & aromatic plants																								
Mentholment																								
Kalmegh																								

Ashwagandha																							
Fodder Crops																							
Sorghum (F)																							
Cowpea (F)																							
Maize (F)																							
Lucern																							
Berseem																							
Oat (F)																							

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No		**Feed Back for researchers**	**Feedback for line department**
1	DBW-187	-	• DBW-187 had high yield advantages (about 9%) over HD 2967
2	HD 3226	-	• Highlevel of resistance of rust and superior grain quality

3	Wheat (Clodinafop + Metsulfuron methyl)	-	• Weeds controlled effectively and no phytotoxic effect of weedicides on crop.

Technical feedback on specific technologies demonstrated in FLDs

S. No	Technoogy	Feed Back
1	DBW-187	• It is superior against HD- 2967
2	HD 3226	• It is superior against HD- 2967
3	Wheat (Clodinafop + Metsulfuron methyl)	• Weeds are developed resistance against old weedicies (Isoproturon). • There is no any phytotoxic effect of that weedicides Clodinafop&Metsulfuron methyl.
4	Pusa-1692	• It is superior against local Sharbati.

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Yield (Kg/animal) or No. of eggs/bird)		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cattle																	
Buffalo																	
					Kg/day/animal			Milk Yield (lit. /day /animal)									
	Feed management	Urea treatment of dry fodder of cattle	10	10	2.6	3.5	(-) 25.7	*6.94*	*6.00*	277.6	147.6	130	1.88	260	163.60	96.4	1.58
	Calf Management	Albendazole and livol treatment	30	60	5	60	55 mortality reduce										
Buffalo Calf																	
Dairy																	
Poultry																	

Sheep & Goat																	
Vaccination																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD

S. No	**Feed Back for researchers**	**Feedback for line department**
1	Urea treated dry fodder is satisfactory for farmers because of increased productivity.	Dry fodder should be urea treated.

FLD on Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Common Carps																	
Composite fish culture																	
Feed Management																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	**Feed Back for researchers**	**Feedback for line department**
1		

2		
3		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	
3	

FLD on Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.) or Rs./unit				Economics of check (Rs.) or Rs./unit			
				Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Oyster Mushroom																
Button Mushroom																
Apiculture																
Maize Sheller																
Value Addition																
Vermi Compost																

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	**Feed Back for researchers**	**Feedback for line department**
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

FLD on Women Empowerment

Category	**Name of technology**	**No. of demonstrations**	**Name of observations**	**Demonstration**	**Check**

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	**Feed Back for researchers**	**Feedback for line department**
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

FLD on Farm Implements and Machinery

Name of the implement	**Crop**	**Technology demonstrated**	**No. of Farmer**	**Area (ha)**	**Major parameters**	**Filed observation (output/man hour)**		**% change in major parameter**	**Labor reduction (man days)**				**Cost reduction (Rs./ha or Rs./Unit etc.)**			
						Demo	**Check**		**Land preparation**	**Sowing**	**Weeding**	**Total**	**Land preparation**	**Labour**	**Irrigation**	**Total**

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	**Feed Back for researchers**	**Feedback for line department**
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

FLD on Other Enterprise: Kitchen Gardening

Category and Crop	**Thematic area**	**Name of the technology demonstrated**	**No. of Farmer**	**No. of Units**	**Yield (Kg)**		**% change in yield**	**Other parameters**		**Economics of demonstration (Rs./ha)**				**Economics of check (Rs./ha)**			
					Demonstration	**Check**		**Demo**	**Check**	**Gross Cost**	**Gross Return**	**Net Return**	**BCR (R/C)**	**Gross Cost**	**Gross Return**	**Net Return**	**BCR (R/C)**
Vegetable seed (Kit) 2023	Nutritional security	Kitchen garden	20	20	Result Awaited												

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	**Feed Back for researchers**	**Feedback for line department**
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

FLD on Demonstration details on crop hybrids *(Details of Hybrid FLDs implemented during* **2023)**

Crop	**technology demonstrated**	**Hybrid Variety**	**No. of Farmers**	**Area (ha)**	**Yield (q/ha)**		**% Increase in yield**	**Economics of demonstration (Rs./ha)**			
					Demo	**Check**		**Gross**	**Gross**	**Net**	**BCR**

					High	Low	Average			Cost	Return	Return	(R/C)
Oilseed crop													
Pulse crop													
Cereal crop													
Vegetable crop													
Fruit crop													
Other (specify)													

Note : Remove the Enterprises/crops which have not been shown

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	**Feed Back for researchers**	**Feedback for line department**
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**

1	
2	

III. Natural Farming

1) Crop Harvesting Details

Name of KVK	Crop Details Under Demonstration										Date of Sowing	Date of Harvesting
	Natural farming					Farmer's Practice						
	Name of Crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)	Name of crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)		
Rampur	Wheat + Mustard	DBD-222+Pusa Mustard-30	0.1334	28.33+ 4.65	67485	Wheat+ Mustard	DBW-222+Pusa Mustard-30	0.1334	36.67+ 7.00	51710	24-11-22	17-04-2023
	Paddy	PB-1885	0.1334			Paddy	PB 1885	0.1334			15-07-23	

2) Preliminary Soil Data of Natural Farming Field

Name of KVK	Soil data of Demonstrated/KVK Plot	Soil Analysis				Micronutrients				Microbial Analysis				
		N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Organic Carbon (%age)	Ca (Kg/ha)	Mg (Kg/ha)	Zn (Kg/ha)	Others	Bacterial count (Nos.)	Fungi (Nos.)	Actinomycetes (Nos.)	Phosphorus Solubilizer (Nos.)	N Fixers (Nos.)
Rampur	KVK plot	-	126.9	140	0.69				P^H 7.9, EC 0.38					

3) Details of Demonstrations Conducted under Natural Farming Project

S. No.	Name of KVK	Name of village	Name of farmer	Mobile no. of farmer	Area under demonstration on Natural Farming (ha)
1					

4) Information of Farmers already Practicing Natural Farming

Sl. No.	Name of the District	Name of the Farmers	No. of desi (indigenous) cows	Land holding (ha)	Crops Grown	No. of Years in Natural Farming	Area Covered under Natural Farming	Crops Grown under Natural Farming	Any significant achievements under natural farming
1									

5) Natural Farming Nodal officer & Associate Name

S.No.	Name of KVK	Name of Head/SMS	Discipline/Subject	Mobile No.
1	Rampur	Dr. Anuj Bansal	SMS-Plant Pathology	7417315657
2		Dr. Hamvir Singh	Farm Manager	9759173168

6) Preliminary Soil Data of Natural Farming Field

Name of KVK	Soil data of Demonstrated/KVK Plot	Soil Analysis				Micronutrients				Microbial Analysis				
		N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Organic Carbon (%age)	Ca (Kg/ha)	Mg (Kg/ha)	Zn (Kg/ha)	Others	Bacterial count (Nos.)	Fungi (Nos.)	Actinomycetes (Nos.)	Phosphorus Solubilizer (Nos.)	N Fixers (Nos.)

IV. Drone Project

1) Details of Drone Training

S.No	Name of the Institute/KVK	No. of Drone Alloted	No. of Drones Received	No. of Trainees	Name of RPTOs (Pilot)	Designation of Trainee	Mob No. of Trainee	Email Id of Trainee	Training Institute	Training Status Done/Scheduled	Passport No. of the Trainee	Training Schedule	Remarks about Training Schedule

2) Details of Nodal officers under Drone Project

S.No	Name of the Institute	Name of Nodal Officer	Contact No.	Email

3) Expenditure regarding Agri-Drone

S. No.	Name of KVK, ICAR Institute and AU	No. of Drones allotted	No. of Drones Purchased	Funds for purchase of Drones@ Rs.10.0 lakh/drone	Funds for conducting demonstration Rs.@ 0.03 lakh/demo Rs. In lakh	Total funds released (Rs. In Lakh)	Funds utilized for purchase of Drones (Rs. In Lakh)	Funds utilized for conducting demonstration (Rs. In Lakh)	Total Fund Utilized (Rs. In Lakh)	Balance (Rs. In Lakh)	Percentage Utilization of Released Budget	Target Area under demonstration (ha)	Area under herbicidal spray (ha)	Area under insecticidal spray (ha)	Area under fertilizer spray (ha)	Area under nano-fertilizer spray (ha)	Total target achieved under demonstration (ha)

V. DAMU Project

Project Details

1. Name of Damu, District, ATARI zone and Year

DAMU Name :

Name of Blocks:

Year of start of AAS at DAMU:

2. Name and address with landline and mobile numbers along with STD code (also provide e-mail address) of head of ATARI, Project Coordinator, Head of the Krishi Vigyan Kendra (KVK)

Designation	Name	Address	STD code Telephone no. & Fax	Email-id
Head of ATARI				
Head of KVK				
Project Coordinator (PC)				
SMS				
Agromet Observer (AO)				

5. Date of start of Agromet Advisory Bulletins:

6. Nearest Air, Tv And Railway Station (provide the road distance from DAMU)

I) Air Station :

II) TV Station :

III) Railway Station:

7. Status of Agro-AWS

7.1 Date of installation of AWS :

7.2 List of instruments presently available in working condition:

7.3 Instruments to be replaced/repaired indicating type of defect:

7.4 Please provide frequency of observation, exposure conditions of the site etc.

7.6 Number of years of data records available:

7.8 Whether the observatory is periodically inspected, maintained and calibrated by IMD (If yes, please indicate the latest data of inspection by the IMD)

7.9 Details of soil moisture observations taken, if any (please provide frequency and depths of observation etc.)

8. Details of Agromet Advisory Services

i. How many times the weather forecasts were received during the year:

ii. When do you receive the forecasts from MC/RMC?

iii. How many AAS bulletins were prepared and disseminated to the farmers in the year?

iv. How many AAS bulletins were prepared using Agromet-DSS in English and regional languages?

v. List the modes of mass communication adopted for AAS dissemination:

vi. Details of broadcast on AIR and TV (name of station broadcast frequency, time slot provided etc.) (Audio tape of the recent broadcast):

vii. Give list of farmers awareness programmes conducted like Krishi / Kishan Melas, training, participation in national day parades etc. and photograph of Farmer's Awareness Programme (no of Farmer attended)

viii. No of SMS sent through Kisan Portal and how many farmers were benefitted during the year

ix. List of other organizations receiving Agromet advisories:

9. Verification results of District and Block level weather forecast

10. Economic impact of Agromet advisory services:

11. Mobile APP based Agromet advisory services for farmers:

12. Feedback from progressive farmers:

III. Training Programme

Farmers' Training including sponsored training programmes (on campus)

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of courses	Participants								
			Others			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production											
Weed Management											
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification	Divercification in autmn planted sugercane	01	14	0	14	6	0	6	20	0	20
Integrated Farming											
Micro Irrigation/irrigation											
Seed production											
Nursery management											
Integrated Crop Management	Production techniques of rabi pulses	01	18	0	18	2	0	2	20	0	20
Soil & water conservatioin											
Integrated nutrient management											
Production of organic inputs											
Others (pl specify)											
Total		**02**	**32**	**0**	**32**	**08**	**0**	**08**	**40**	**0**	**40**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops											
Off-season vegetables											
Nursery raising	1.Growing of Vegetable seedlings under low tunnel poly house. 2. Production of quality vegetables seedlings in soilless media.	02	38	0	38	02	0	02	40	0	40
Exotic vegetables											
Export potential vegetables											
Grading and standardization	Improve the production and quality in tomato by Bower system of training	01	19	0	19	01	0	01	20	0	20
Protective cultivation											

Others (Mix cropping)											
Total (a)		**03**	**57**	**0**	**57**	**03**	**0**	**03**	**60**	**0**	**60**
b) Fruits											
Training and Pruning											
Layout and Management of Orchards	1.Macro & Micro- nutrient management in mango orchards.	01	20	0	20	0	0	0	20	0	20
Cultivation of Fruit											
Management of young plants/orchards											
Rejuvenation of old orchards											
Export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
Others (pl specify)											
Total (b)		**01**	**20**	**0**	**20**	**0**	**0**	**0**	**20**	**0**	**20**
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others (pl specify)											
Total (c)											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (d)											
e) Tuber crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (e)											
f) Spices											
Production and Management technology											
Processing and value addition											

Others (pl specify)											
Total (f)											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
Others (pl specify)Inter cropping											
Total (g)											
GT (a-g)		**04**	**77**	**0**	**77**	**03**	**0**	**03**	**80**	**0**	**80**
III Soil Health and Fertility Management											
Soil fertility management											
Integrated water management											
Integrated Nutrient Management											
Production and use of organic inputs											
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Balance use of fertilizers											
Soil and Water Testing											
Others (pl specify)											
Total											
IV Livestock Production and Management											
Dairy Management	Mastitis in dairy animals	01	10	05	15	04	01	05	14	06	20
Poultry Management	Broiler production	01	08	03	11	04	05	09	12	08	20
Piggery Management	Management of parturiting	01	14	02	16	02	02	04	16	04	20
Rabbit Management											
Animal Nutrition Management	Fodder production throught out the year	01	16	02	18	01	01	02	17	03	20
Disease Management	Proplase and RBS management	01	17	01	18	01	01	02	18	02	20
Feed & fodder technology											
Production of quality animal products											
Others (pl specify)											
Total		**05**	**65**	**13**	**78**	**12**	**10**	**22**	**77**	**23**	**100**

V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Promoting composting and Kitchen gardening for safe and sustainable food	01	0	18	18	0	2	2	0	20	20
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet											
Minimization of nutrient loss in processing	Preservation of Aonlatechnique	01	0	16	16	0	04	04	0	20	20
Processing and cooking											
Gender mainstreaming through SHGs											
Storage loss minimization techniques											
Value addition											
Women empowerment											
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care											
Others (pl specify)											
Total		**02**	**0**	**34**	**34**	**0**	**06**	**06**	**0**	**40**	**40**
VI Agril. Engineering											
Farm Machinary and its maintenance											
Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices											
Production of small tools and implements											
Repair and maintenance of farm machinery and implements											
Small scale processing and value addition											
Post Harvest Technology											
Others (pl specify)											
Total											
VII Plant Protection											

Integrated Pest Management	1.IPM in mango 2. Management of major insect pest & disease in paddy crop 3. Management of white rust and aphid in mustard crop	03	54	0	54	06	0	06	60	0	60
Integrated Disease Management	1. Management of disease in zaid pulses 2.IDM in potato crop	02	33	0	33	07	0	07	40	0	40
Bio-control of pests and diseases											
Production of bio control agents and bio pesticides	Production of natural farming inputs and use	01	17	0	17	03	0	03	20	0	20
Others (pl specify)											
Total		**06**	**104**	**0**	**104**	**16**	**0**	**16**	**120**	**0**	**120**
VIII Fisheries											
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing											
Composite fish culture	Composite fish culture techniques	01	20	0	20	0	0	0	20	0	20
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
Others (pl specify)Disease management											
Total		**01**	**20**	**0**	**20**	**0**	**0**	**0**	**20**	**0**	**20**
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production											
Organic manures production											

Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
Mushroom Production											
Apiculture											
Others (pl specify)											
Total											
X CapacityBuilding and Group Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
Others (pl specify)											
Total											
XI Agro-forestry											
Production technologies	1. Mentha Production with agroforestry trees-2 2.Cultivation technology of aromatic grasses with agroforestry trees-2	04	80	0	80	0	0	0	80	0	80
Nursery management	Nursery and plantation technology of poplar	01	17	0	17	03	0	03	20	0	20
Integrated Farming Systems											
Others (pl specify)											
Total		**05**	**97**	**0**	**97**	**03**	**0**	**03**	**100**	**0**	**100**
GRAND TOTAL		**25**	**395**	**47**	**442**	**42**	**16**	**58**	**437**	**63**	**500**

Farmers' Training including sponsored training programmes (off campus)

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of courses	Participants								
			Others			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total

I Crop Production											
Weed Management	Weed management in paddy	01	20	0	20	0	0	0	20	0	20
Resource Conservation Technologies	Intercropping in autumn planted sugarcane	01	18	02	20	0	0	0	20	2	20
	Intercropping in spring sugarcane	01	16	0	16	6	0	6	22	0	22
Cropping Systems											
Crop Diversification	Intercropping in Autmn planted sugercane	01	16	0	16	4	0	4	20	0	20
Integrated Farming											
Micro Irrigation/irrigation											
Seed production											
Nursery management	Nursery management in rice	01	10	0	10	8	2	10	18	2	20
Integrated Crop Management	1.Production techniques of export quality basmati rice 2. Production tech. of wheat	02	34	04	38	02	0	02	36	04	40
	Integrated nutrient management in rice	01	20	-	20	-	-	-	20	-	20
	Production techniques of Kharif Pulses	01	20	-	20	-	-	-	20	-	20
Soil & water conservatioin											
Integrated nutrient management	Use and importance of bio fertilizers in kharif crop	01	10	01	11	08	01	09	18	02	20
Production of organic inputs											
Others (pl specify)											
Total		**10**	**164**	**7**	**171**	**28**	**3**	**31**	**194**	**10**	**202**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops	1.Improve production technology in cucurbits crop 2. Precautions at the time of chili production 3.Precaution at the time of transplanting cauliflower and chilli 4. Precaution at the time of Chilli production	04	59	05	64	11	05	16	70	10	80
Off-season vegetables											
Nursery raising											
Exotic vegetables											
Export potential vegetables											
Grading and standardization	Quality improvement in cauliflower by Blanching technique	01	20	0	20	0	0	0	20	0	20
Protective cultivation											

Others (INM)											
Total (a)		**05**	**79**	**05**	**84**	**11**	**05**	**16**	**90**	**10**	**100**
b) Fruits											
Training and Pruning											
Layout and Management of Orchards	1. Macro & Micro- nutrient management in mango orchards 2. Importance of training and pruning in mango orchard-2	03	43	0	43	17	0	17	60	0	60
Cultivation of Fruit	Papaya production by scientific method	01	09	0	09	11	0	11	20	0	20
Management of young plants/orchards	1. Quality improvement in Guava 2. Protection against cold of newly established orchard.	02	35	0	35	05	0	05	40	0	40
Rejuvenation of old orchards											
Export potential fruits	Quality improvement in guava by modern technology of packing	01	20	0	20	0	0	0	20	0	20
Micro irrigation systems of orchards											
Plant propagation techniques											
Others (pl specify)											
Total (b)		**07**	**107**	**0**	**107**	**33**	**0**	**33**	**140**	**0**	**140**
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others (pl specify)											
Total (c)											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (d)											
e) Tuber crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (e)											

f) Spices											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (f)											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
Others (pl specify)Inter cropping , Species in water logged area, Identification of Populer Clon in different soil											
Total (g)											
GT (a-g)		**12**	**186**	**5**	**191**	**44**	**5**	**49**	**230**	**10**	**240**
III Soil Health and Fertility Management											
Soil fertility management											
Integrated water management											
Integrated Nutrient Management											
Production and use of organic inputs											
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Balance use of fertilizers											
Soil and Water Testing											
Others (pl specify)											
Total											
IV Livestock Production and Management											
Dairy Management	Mastitis management	01	18	02	20	0	0	0	18	02	20
Poultry Management	Broiler production	01	16	04	20	0	0	0	16	04	20
Piggery Management	Care and management of new born animals	01	12	04	16	02	02	04	14	06	20
Rabbit Management											
Animal Nutrition Management	Importance of mineral mixture	01	16	01	17	01	02	03	17	03	20

Disease Management	FMD cause and treatment	01	12	02	14	03	03	06	15	05	20
Feed & fodder technology	Napier production and azolla	01	18	01	19	01	0	01	19	01	20
Production of quality animal products	Chicken and bater meat qualities	01	17	01	18	01	01	02	18	02	20
Others (pl specify)											
Total		**07**	**109**	**15**	**124**	**8**	**8**	**16**	**117**	**23**	**140**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening											
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet											
Minimization of nutrient loss in processing	1. Preserving of peas for a year for income generation at village level 2. Preserving of tomato technique	02	0	37	37	0	03	03	0	40	40
Processing and cooking											
Gender mainstreaming through SHGs											
Storage loss minimization techniques	Post harvest handling and storage of grain	02	0	40	40	0	0	0	0	40	40
Value addition	Clean milk production and value addition to milk	02	0	28	28	0	12	12	0	40	40
Women empowerment											
Location specific drudgery reduction technologies	Drudgery reduction tools and their uses	04	0	79	79	0	01	01	0	80	80
Rural Crafts											
Women and child care	1.General health problem: precaution and management	03	0	38	38	0	22	22	0	60	60
Others (Family health care)	Promoting composting and Kitchen gardening for safe and sustainable food	03	0	60	60	0	0	0	0	60	60
Total		**16**	**0**	**282**	**282**	**0**	**38**	**38**	**0**	**320**	**320**
VI Agril. Engineering											
Farm Machinary and its maintenance											
Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices											

Production of small tools and implements											
Repair and maintenance of farm machinery and implements											
Small scale processing and value addition											
Post Harvest Technology											
Others (pl specify)											
Total											
VII Plant Protection											
Integrated Pest Management	1.Management of root knot nematodes in vegetable crops. 2. IPM in cucurbits crops. 3. IPM in mentha crop 4. IPM in paddy crop 5. Management of major insect pest and disease in sugarcane	05	92	0	92	08	0	08	100	0	100
Integrated Disease Management	Use of seed treatment method for the management of seed borne disease in paddy crop.	01	17	0	17	03	0	03	20	0	20
Bio-control of pests and diseases	Biological management of white grub in sugarcane	01	18	0	18	02	0	02	20	0	20
Production of bio control agents and bio pesticides											
Others											
Total		**07**	**127**	**0**	**127**	**13**	**0**	**13**	**140**	**0**	**140**
VIII Fisheries											
Integrated fish farming	Integrated fish farming management	04	71	0	71	9	0	9	80	0	80
Carp breeding and hatchery management	1.Fish Seed production and hatchery management. 2. Ponds preparation for fish seed production	04	59	0	59	21	0	21	80	0	80
Carp fry and fingerling rearing											
Composite fish culture	Composite fish culture techniques	01	20	0	20	0	0	0	20	0	20
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											

Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
Others	Fish disease and their control	01	17	0	17	3	0	3	20	0	20
Total		**10**	**167**	**0**	**167**	**33**	**0**	**33**	**200**	**0**	**200**
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production											
Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
Mushroom Production											
Apiculture											
Others (pl specify)											
Total											
X Capacity Building and Group Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
Others (pl specify)											
Total											
XI Agro-forestry											

Production technologies	1.Intercropping tech. of mentha with poplar. 2.Fertilizers and irrigation management in poplar plantations. 3.Plantation technique of Sagon. 4.Cultivation technology of aromatic grasses with agroforestry trees. 5. Technology of bamboo cultivation. 6. cultivation of suitable tree species in water logged area. 7. Suitable Poplar clones in various soils 8. Indetification and importance of poplar clones.	11	220	0	220	0	0	0	220	0	220
Nursery management	Technology of poplar nursery.	01	20	0	20	0	0	0	20	0	20
Integrated Farming Systems											
Others (pl specify)	1. Trimming and pruning techniques in poplar plantation. 2. Identification of poplar clones in field	2	40	0	40	0	0	0	40	0	40
Total		**14**	**280**	**0**	**280**	**0**	**0**	**0**	**280**	**0**	**280**
GRAND TOTAL		**76**	**1033**	**309**	**1342**	**126**	**54**	**180**	**1159**	**363**	**1522**

Farmers' Training including sponsored training programmes – CONSOLIDATED (On + Off campus)

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of courses	Participants								
			Others			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production											
Weed Management	Weed management in paddy	1	20	0	20	0	0	0	20	0	20
Resource Conservation Technologies	1.Intercropping in autumn planted sugarcane 2.Intercropping in spring sugarcane	2	34	2	36	6	0	6	42	2	42
Cropping Systems											
Crop Diversification	1. Divercification in autmn planted sugarcane 2. Intercropping in Autmn planted sugercane	02	30	0	30	10	0	10	40	0	40
Integrated Farming											
Micro Irrigation/irrigation											
Seed production											

Nursery management	Nursery management in rice	1	10	0	10	8	2	10	18	2	20
Integrated Crop Management	1.Production techniques of export quality basmati rice 2.Integrated nutrient management in rice 3. Integrated nutrient management in rice 4. Production techniques of rabi pulses 5. Intercropping in Autmn planted sugercane	05	94	4	98	2	0	2	96	4	100
Soil & water conservatioin											
Integrated nutrient management	Use and importance of bio fertilizers in kharif crop	1	10	1	11	8	1	9	18	2	20
Production of organic inputs											
Others (pl specify)											
Total		**12**	**198**	**7**	**205**	**34**	**3**	**37**	**234**	**10**	**242**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops	1.Improve production technology in cucurbits crop 2.Precautions at the time of chili production 3.Precaution at the time of transplanting cauliflower and chilli 4. Precaution at the time of Chilli production	4	59	5	64	11	5	16	70	10	80
Off-season vegetables											
Nursery raising	1.Growing of Vegetable seedlings under low tunnel poly house. 2. Production of quality vegetables seedlings in soilless media	2	38	0	38	2	0	2	40	0	40
Exotic vegetables											
Export potential vegetables											
Grading and standardization	1.Improve the production and quality in tomato by Bower system of training 2. Quality improvement in cauliflower by Blanching technique	2	39	0	39	1	0	1	40	0	40
Protective cultivation											
Others (pl specify)											
Total (a)		**08**	**136**	**05**	**141**	**14**	**5**	**19**	**150**	**10**	**160**

b) Fruits											
Training and Pruning											
Layout and Management of Orchards	1.Macro & Micro- nutrient management in mango orchards. 2. Macro & Micro- nutrient management in mango orchards 3. Importance of training and pruning in mango orchard-2	04	63	0	63	17	0	17	80	0	80
Cultivation of Fruit	Papaya production by scientific method	01	9	0	9	11	0	11	20	0	20
Management of young plants/orchards	1. Quality improvement in Guava 2. Protection against cold of newly established orchard.	02	35	0	35	5	0	5	40	0	40
Rejuvenation of old orchards											
Export potential fruits	Quality improvement in guava by modern technology of packing	01	20	0	20	0	0	0	20	0	20
Micro irrigation systems of orchards											
Plant propagation techniques											
Others (pl specify)											
Total (b)		**08**	**127**	**0**	**127**	**33**	**0**	**33**	**160**	**0**	**160**
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others (pl specify)											
Total (c)											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (d)											
e) Tuber crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (e)											

f) Spices											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (f)											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
Others (pl specify) Inter Cropping											
Total (g)											
GT (a-g)		**16**	**263**	**5**	**268**	**47**	**5**	**52**	**310**	**10**	**320**
III Soil Health and Fertility Management											
Soil fertility management											
Integrated water management											
Integrated Nutrient Management											
Production and use of organic inputs											
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Balance use of fertilizers											
Soil and Water Testing											
Others (pl specify)											
Total											
IV Livestock Production and Management											
Dairy Management	1.Mastitis in dairy animals 2. Mastitis management	2	28	7	35	4	1	5	32	8	40
Poultry Management	Broiler production-2	2	24	7	31	4	5	9	28	12	40
Piggery Management	1.Management of parturiting, 2.Care and management of new born animals	2	26	6	32	4	4	8	30	10	40
Rabbit Management											

Animal Nutrition Management	1.Fodder production throught out the year 2. Importance of mineral mixture	2	32	3	35	2	3	5	34	6	40
Disease Management	1.Proplase and RBS management, 2.FMD cause and treatment	2	29	3	32	4	4	8	33	7	40
Feed & fodder technology	Napier production and azolla	1	18	1	19	1	0	1	19	1	20
Production of quality animal products	Chicken and bater meat qualities	1	17	1	18	1	1	2	18	2	20
Others (pl specify)											
Total		**12**	**174**	**28**	**202**	**20**	**18**	**38**	**194**	**46**	**240**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Promoting composting and Kitchen gardening for safe and sustainable food	1	0	18	18	0	2	2	0	20	20
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet											
Minimization of nutrient loss in processing	1. Preservation ofAonlatechnique 2. Preserving of peas for a year for income generation at village level 3. Preserving of tomato technique	3	0	53	53	0	7	7	0	60	60
Processing and cooking											
Gender mainstreaming through SHGs											
Storage loss minimization techniques	2-Post harvest handling and storage of grain	2	0	40	40	0	0	0	0	40	40
Value addition	2-Clean milk production and value addition to milk	2	0	28	28	0	12	12	0	40	40
Women empowerment											
Location specific drudgery reduction technologies	4-Drudgery reduction tools and their uses	4	0	79	79	0	1	1	0	80	80
Rural Crafts											
Women and child care	3-General health problem: precaution and management	3	0	38	38	0	22	22	0	60	60
Others (pl specify)Family Health care	3-Promoting composting and Kitchen gardening for safe and sustainable food	3	0	60	60	0	0	0	0	60	60
Total		**18**	**0**	**316**	**316**	**0**	**44**	**44**	**0**	**360**	**360**
VI Agril. Engineering											
Farm Machinary and its maintenance											

Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices											
Production of small tools and implements											
Repair and maintenance of farm machinery and implements											
Small scale processing and value addition											
Post Harvest Technology											
Others (pl specify)											
Total											
VII Plant Protection											
Integrated Pest Management	1.IPM in mango 2. Management of major insect pest & disease in paddy crop 3.Management of root knot nematodes in vegetable crops. 4. Ipm In cucurbits crop 5.IPM in mentha crop 6.IPM in paddy crop 7. Management of major insect pest and disease in sugarcane 8. Management of white rust and aphid in mustard crop	8	146	0	146	14	0	14	160	0	160
Integrated Disease Management	1. Management of disease in zaid pulses 2.IDM in potato crop 3. Use of seed treatment method for the management of seed borne disease in paddy crop.	3	50	0	50	10	0	10	60	0	60
Bio-control of pests and diseases	Biological management of white grub in sugarcane	1	18	0	18	2	0	2	20	0	20
Production of bio control agents and bio pesticides	Production of natural farming inputs and use	1	17	0	17	3	0	3	20	0	20
Others (pl specify)											
Total		**13**	**231**	**0**	**231**	**29**	**0**	**29**	**260**	**0**	**260**
VIII Fisheries											
Integrated fish farming	Integrated fish farming management -4	4	71	0	71	9	0	9	80	0	80

Carp breeding and hatchery management	1.Fish Seed production and hatchery management 2-. Ponds preparation for fish seed production -2	4	59	0	59	21	0	21	80	0	80
Carp fry and fingerling rearing											
Composite fish culture	2-Composite fish culture techniques	02	40	0	40	0	0	0	40	0	40
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
Others (pl specify)	Fish disease and their control	01	17	0	17	3	0	3	20	0	20
Total		**11**	**187**	**0**	**187**	**33**	**0**	**33**	**220**	**0**	**220**
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production											
Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
Mushroom Production											
Apiculture											
Others (pl specify)											
Total											
X CapacityBuilding and Group Dynamics											
Leadership development											

Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
Others (pl specify)											
Total											
XI Agro-forestry											
Production technologies	1. Mentha Production with agroforestry trees-2 2.Cultivation technology of aromatic grasses with agroforestry trees-2 3.Intercropping tech. of mentha with poplar. 4.Fertilizers and irrigation management in poplar plantations. 5.Plantation technique of Sagon. 6.Cultivation technology of aromatic grasses with agroforestry trees. 7. Technology of bamboo cultivation. 8. cultivation of suitable tree species in water logged area. 9. Suitable Poplar clones in various soils 10. Indetification and importance of poplar clones.	15	300	0	300	0	0	0	300	0	300
Nursery management	1.Nursery and plantation technology of poplar 2. Technology of poplar nursery.	02	37	0	37	03	0	03	40	0	40
Integrated Farming Systems											
Others (pl specify)	1. Trimming and pruning techniques in poplar plantation. 2. Identification of poplar clones in field	2	40	0	40	0	0	0	40	0	40
Total		**19**	**377**	**0**	**377**	**03**	**0**	**3**	**380**	**0**	**380**
GRAND TOTAL		**101**	**1428**	**356**	**1784**	**168**	**70**	**238**	**1596**	**426**	**2022**

Training for Rural Youths including sponsored training programmes (On campus)

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants		
			General	SC/ST	Grand Total

			Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
Integrated farming											
Seed production	1.Seed production techniques rice 2. Technology of quality seed production in onion & reddish	02	19	0	19	01	0	01	19	01	20
Production of organic inputs											
Planting material production											
Vermi-culture											
Mushroom Production											
Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production	Backyard poultry production	01	10	0	10	0	0	0	10	0	10
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											

Fry and fingerling rearing											
Any other (pl.specify)											
TOTAL		**03**	**29**	**0**	**29**	**1**	**0**	**1**	**30**	**0**	**30**

Training for Rural Youths including sponsored training programmes (Off campus)

Area of training	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
Integrated farming											
Seed production											
Production of organic inputs											
Planting material production											
Vermi-culture											
Mushroom Production											
Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											

Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Any other (pl.specify)											
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Training for Rural Youths including sponsored training programmes – CONSOLIDATED (On + Off campus)

Area of training	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
Integrated farming											
Seed production	1.Seed production techniques rice 2. Technology of quality seed production in onion & reddish	02	19	0	19	01	0	01	19	01	20
Production of organic inputs											
Planting material production											
Vermi-culture											
Mushroom Production											
Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											

Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production	Backyard poultry production	01	10	0	10	0	0	0	10	0	10
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Any other (pl.specify)											
TOTAL		**03**	**29**	**0**	**29**	**01**	**0**	**01**	**30**	**0**	**30**

Training programmes for Extension Personnel including sponsored training programmes (on campus)

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	1.Integrated crop management in rice 2.Agronomic management in oilseed and pulses	02	20	0	20	0	0	0	20	0	20
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology	Protected cultivation of vegetables crops	01	08	0	08	02	0	02	10	0	10
Production and use of organic inputs	Use of bio pesticide in organic farming	01	09	0	09	01	0	01	10	0	10
Care and maintenance of farm machinery and implements											

Gender mainstreaming through SHGs											
Formation and Management of SHGs											
Women and Child care											
Low cost and nutrient efficient diet designing											
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals	Calf management	1	10	0	10	0	0	0	10	0	10
Livestock feed and fodder production	Whole year fodder production	1	10	0	10	0	0	0	10	0	10
Household food security	Grains Storage	**1**	**0**	**10**	**10**	**0**	**0**	**0**	**0**	**10**	**10**
Any other – Nursery production	Quality nursery production of horticulture crop	**1**	**12**	**0**	**12**	**0**	**0**	**0**	**12**	**0**	**12**
TOTAL		**8**	**69**	**10**	**79**	**3**	**0**	**3**	**72**	**10**	**82**

Training programmes for Extension Personnel including sponsored training programmes (off campus)

Thematic area (May be specific to any given KVK)	**Actual Title of training conducted**	**No. of Courses**	**No. of Participants**								
			General			**SC/ST**			**Grand Total**		
			Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
Productivity enhancement in field crops											
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Production and use of organic inputs											
Care and maintenance of farm machinery and implements											
Gender mainstreaming through SHGs											

Formation and Management of SHGs											
Women and Child care	Preparation of Aganwandi kit from locally available material	01	0	10	10	0	0	0	0	10	10
Low cost and nutrient efficient diet designing											
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals	Mastitis treatment	01	10	0	10	0	0	0	10	0	10
Livestock feed and fodder production	Barseem production	01	10	0	10	0	0	0	10	0	10
Household food security											
Any other(Disease Management, Identification of popular colne&Nusary management of popular)	1. Use of Bio pesticide in organic farming, 2. IPM in potential crops of Rampur district 3.Nusary management of popular	**03**	**32**	**0**	**32**	**0**	**0**	**0**	**32**	**0**	**32**
TOTAL		**6**	**52**	**10**	**62**	**0**	**0**	**0**	**52**	**10**	**62**

Training programmes for Extension Personnel including sponsored training programmes – CONSOLIDATED (On + Off campus)

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	1.Integrated crop management in rice 2.Agronomic management in oilseed and pulses	2	20	0	20	0	0	0	20	0	20
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology	Protected cultivation of vegetables crops	1	8	0	8	2	0	2	10	0	10
Production and use of organic inputs	Use of bio pesticide in organic farming	1	9	0	9	1	0	1	10	0	10
Care and maintenance of farm machinery and implements											

Gender mainstreaming through SHGs											
Formation and Management of SHGs											
Women and Child care	Preparation of Aganwandi kit from locally available material	1	0	10	10	0	0	0	0	10	10
Low cost and nutrient efficient diet designing											
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals	1.Calf management 2.Mastitis treatment	2	20	0	20	0	0	0	20	0	20
Livestock feed and fodder production	1.Whole year fodder production 2.Barseem production	2	20	0	20	0	0	0	20	0	20
Household food security	Post harvest handling and storage of grain	1	0	10	10	0	0	0	0	10	10
Any other	1.Quality nursery production of horticulture crop 2Mgt., Disease Management, 3. Identification of popular colne& 4.Nusary management of popular	4	44	0	44	0	0	0	44	0	44
TOTAL		**14**	**121**	**20**	**141**	**3**	**0**	**3**	**124**	**20**	**144**

Table. Sponsored training programmes

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management											
Increasing production and productivity of crops											
Commercial production of vegetables											
Production and value addition											
Fruit Plants											
Ornamental plants											

Spices crops											
Soil health and fertility management											
Production of Inputs at site											
Methods of protective cultivation											
Others (pl. specify)											
Total											
Post harvest technology and value addition											
Processing and value addition											
Others (pl. specify)											
Total											
Farm machinery											
Farm machinery, tools and implements											
Others (pl. specify)											
Total											
Livestock and fisheries											
Livestock production and management											
Animal Nutrition Management											
Animal Disease Management											
Fisheries Nutrition											
Fisheries Management											
Others (pl. specify)											
Total											
Home Science											
Household nutritional security											
Economic empowerment of women											
Drudgery reduction of women											
Others (pl. specify)											
Total											
Agricultural Extension											
CapacityBuilding and Group Dynamics											
Others (Farmers Technical Training)											
Total											
GRAND TOTAL											

Name of sponsoring agencies involved

Details of vocational training programmes carried out by KVKs for rural youth

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management											
Commercial floriculture											
Commercial fruit production											
Commercial vegetable production											
Integrated crop management											
Organic farming											
Others (pl. specify)											
Total											
Post harvest technology and value addition											
Value addition											
Others (pl. specify)											
Total											
Livestock and fisheries											
Dairy farming											
Composite fish culture											
Sheep and goat rearing											
Piggery											
Poultry farming											
Others (pl. specify)											
Total											
Income generation activities											
Vermicomposting											
Production of bio-agents, bio-pesticides, bio-fertilizers etc.											
Repair and maintenance of farm machinery and implements											
Rural Crafts											
Seed production											
Sericulture											
Mushroom cultivation											
Nursery, grafting etc.											

Tailoring, stitching, embroidery, dying etc.											
Agril. para-workers, para-vet training											
Others (pl. specify)											
Total											
Agricultural Extension											
Capacity building and group dynamics											
Others (pl. specify)											
Total											
Grand Total											

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	167	4763	0	4763
Diagnostic visits	61	417	0	417
Field Day	07	194	0	194
Group discussions	0	0	0	0
Kisan Ghosthi	04	1712	20	1732
Film Show	0	0	0	0
Self -help groups	0	0	0	0
Kisan Mela	04	1569	23	1592
Exhibition	03	Mass	Mass	Mass
Scientists' visit to farmers field	183	1147	0	1147
Plant/animal health camps	0	0	0	0
Farm Science Club	0	0	0	0
Ex-trainees Sammelan	0	0	0	0
Farmers' seminar/workshop	0	0	0	0
Method Demonstrations	0	0	0	0
Celebration of important days	04	415	0	415
Special day celebration	02	490	0	490
Exposure visits	02	174	0	174
Others (Farmers Visit to KVK, Lecture delivered)	416	12510	0	12510
Total	**853**	**23391**	**43**	**23434**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature	03
News paper coverage	55
Popular articles	01
Radio Talks	09
TV Talks	0
Animal health amps (Number of animals treated)	0
Others (pl. specify)	0
Total	**68**

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Mark e-ting	Aware-ness	Other enterprise	Total
Rampur	Text only	100	41			67	75	283
	Voice only	265						265
	Voice & Text both	245						245
	Total Messages	**610**	**41**			**67**	**75**	**793**
	Total farmers Benefitted	**830**	**43**			**316**	**613**	**1802**

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organised Technology Week	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
	Gosthies			
	Lectures organised			
	Exhibition			
	Film show			
	Fair			
	Farm Visit			
	Diagnostic Practicals			
	Distribution of Literature (No.)			
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			

VI. PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Wheat	UP 2855		143.00	410577.00	NSC
		HD 3298		64.00		
	Paddy			12.9	29025.00	
		Comm.		102		
Oilseeds						
	Mustard			0.40	2000.00	
Pulses						
	Lentil	L-4717		4.04	25048.00	
Commercial crops	Parmillet	Comm		26.0		
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						

Fiber crops						
Forest Species						
Others						
Total				**352.34**	**466650.00**	

Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
Vegetable seedlings	1.Tamato 2.Cauliflower 3.Cabbage 4.Chilli 5.Capsicum 6.Cucurbits 7.Brinjal	Pride, banlox red U.S. Agri Charli Bhavani Green bell US Agri seeds Navina		60696	22350	113
Fruits						
Ornamental plants						
Medicinal and Aromatic	Mentha spp.	arvensis (Kosi)		10 kg		05
		piperita (kukrail)		10 kg		03
		citrata(Kiran)		10 kg		03
Plantation	Bamboo spp.	Bambusa Multiplex		20		02
		Dendrocalmush amiltonii		30		03
		Dendrocalmus vulgaris		40		04
Spices						
Tuber						
Fodder crop saplings						

Forest Species						
Others						
Total				**50696**	**22350**	**133**

Production of Bio-Products

Bio Products	**Name of the bio-product**	**Quantity Kg**	**Value (Rs.)**	**No. of Farmers**
Bio Fertilisers				
	Vermi compost	1665		800 kg use at natural farming and 570 kg use at poly house, kitchen garden and technology park at KVK farm.
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others				
Total		**1665**		

Table: Production of livestock materials

Particulars of Live stock	**Name of the breed**	**Number**	**Value (Rs.)**	**No. of Farmers**
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				

Piglet				
Others (Pl.specify)				
Fisheries				
Indian carp				
Exotic carp				
Others (Pl. specify)				
Total				

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	445	445	23	16360
Water				
Plant				
Manure				
Others (pl.specify)				
Total	**445**	**445**	**23**	**16360**

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
Rampur	dated 21 Nov., 2023

IX. NEWSLETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution

X. PUBLICATIONS

Category	Number
Books	**01**
Technical bulletins	
Research Paper	
Lead Papers	
Book Chapters	06
Popular Articles	01
Newsletters	
Technical reports	
Others (pl. specify)	
Total	**08**

XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM

Activities conducted				
No. of Training programmes	**No. of Demonstration s**	**No. of plant materials produced**	**Visit by farmers (No.)**	**Visit by officials (No.)**

XII. INTERVENTIONS ON DISASTER MANAGEMENT/UNSEASONAL RAINFALL/HAILSTORM/COLD WAVES ETC

Introduction of alternate crops/varieties

Crops/cultivars	**Area (ha)**	**Extent of damage**	**Recovery of damage through KVK initiatives if any**
Total			

Major area coverage under alternate crops/varieties

Crops	**Area (ha)**	**Number of beneficiaries**
Oilseeds		
Pulses		
Cereals		
Vegetable crops		
Tuber crops		
Total		

Farmers-scientists interaction on livestock management

Livestock components	**Number of interactions**	**No.of participants**
Total		

Animal health camps organised

Number of camps	**No.of animals**	**No.of farmers**
Total		

Seed distribution in drought hit states

Crops	**Quantity (qtl)**	**Coverage of area (ha)**	**Number of farmers**

Total			

Large scale adoption of resource conservation technologies

Crops/cultivars and gist of resource conservation technologies introduced	**Area (ha)**	**Number of farmers**
Total		

Awareness campaign

	Meetings		**Gosthies**		**Field days**		**Farmers fair**		**Exhibition**		**Film show**	
	No.	**No.of farmers**	**No.**	**No.of farmers**	**No.**	**No.of farmers**	**No.**	**No.of farmers**	**No.**	**No.of farmers**	**No.**	**No.of farmers**
Total												

XIII. DETAILS ON HRD ACTIVITIES

A. HRD activities organized in identified areas for KVK staff by the Directorate of Extension

Name of the SAU	**Title of the training programmes**	**No of programmes**	**No. of Participants**	**No. of KVKs involved**
Total				

B. HRD activities organized in identified areas for KVK staff by Zonal Project Directorate

Title of the training programmes	**No of programmes**	**No. of Participants**	**No. of KVKs involved**
Total			

XIV. CASE STUDIES (CASE STUDIES MAY BE GIVEN IN DETAIL AS PER THE FOLLOWING FORMAT)

Each Zone should propose a minimum of three case studies with good action photographs (with captions on the backside of the hard copy of the photos) on the following topics

a) ***Effective popularization on a larger scale of any one FLD technology and its role in transformation of district agriculture with respect to that particular crop or enterprise***
b) ***Performance of the end results of any one technology assessed, its refinement if any and its impact in district agriculture with respect to that crop or enterprise***
c) ***Effect of production and supply of seeds and planting material / animal breed / or bio-product and its impact on district agriculture with respect to that crop/ enterprise/ bio-product***

The general format for preparing the above case studies are furnished below

Name of the KVK

TITLE

Introduction

KVK intervention

Output

Outcome

Impact

Sample KVK Case study

NDR-8501 becoming popular in farmers' for their yielding trait: Ghazipur

Situation analysis/ Problem statements:- Mr. Sanjay Singh, village Khajurgaon, Post:Indoreblock:Mardah, district:Ghazipur, a farmer who was selected for this demonstration. He was earlier involved with local variety of mustard Pusa Bold or Varuna. These varieties were low in yield

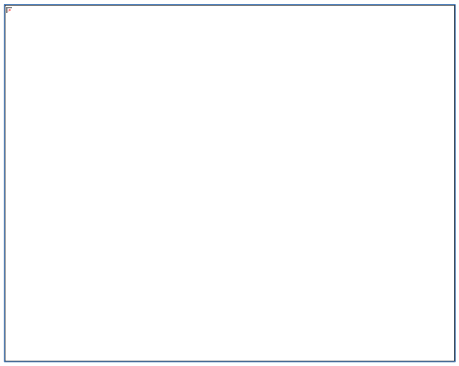
Plan, Implement and Support:- KVK Ghazipur tries to make them aware regarding scientific cultivation of mustard. That starts from land preparation to harvesting. This KVK has encouraged the farmer for soil testing and on the basis of that farmer was advised for balanced dose of chemical fertilizer with high yielding varieties PusaTarak. That was sown on 01-11-2016 with line sowing and fertilizer application was done with basal application in which half dose of nitrogen full dose of SSP and full dose of MOP as recommended. Rest nitrogen used after first irrigation.

Output:- Mr. Sanjay Singh adopted the the balanced dose of chemical, fertilizer (N:P:K:S::150:40:40:30) kg/ha in mustard crop as per suggestion of KVK's scientist for his 0.25ha land. His local yield was 3.85 qt with recommended technology. His yield increased by 33.76% with yield 5.15 qt. The economical gain in terms of per unit expenditure gross income, net return and BCR are recorded. Rs 6975, Rs. 18857, Rs. 11882 and 2.70 correspondingly.

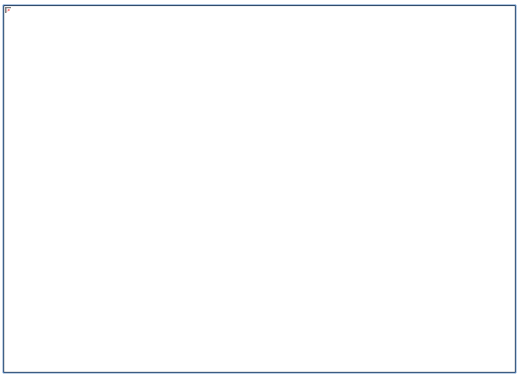
Outcome:- Mustard crop is the major oilseed crop of the district. KVK Ghazipur conducted 322 demonstrations in 87 villages during 2004-05 to 2016-17 in an area of 89 ha at farmers'

field with using HYV NDR-8501, PusaTarak and balanced dose of chemical fertilizer (N:P:K:S::150:40:40:30) kg/ha. This variety has been disseminated in 170 villages of the district in area of approximately 900ha. The outcome of this demonstration motivated the farming communities to replace their old varieties, non-descriptive varieties. Mr. Sanjay Singh is very happy on improvement in their income, livelihood and set forth example for others.

Impact:- Mr. Sanjay Singh is becoming one of the progressive and learned farmers for others with regards to popularization of PusaTarak. This technology helps him for livelihood, empowerment and make him enthusiastic regards oilseed production. He is one of the progressive farmer after a becoming a part of KVK activities and get their effectiveness for his own development. Mr. Sanjay Singh is very happy with this improved production and management technology and set forth example for other farmers of the district.



A farmers with KVK's scientist



Mustard Crop PusaTarak

XIX Achievement of Special programmes

1) Achievement of skill development training funded by DAC&FW

S. No.	SubSector*	QP Name *	Duration (hrs)	No. of Courses Organized	No. of Participants						
					SCs/STs		Others		Total		TOTAL
					Male	Female	Male	Female	Male	Female	
1	Agriculture Crop Production	Jute and Mesta Cultivator	200								
2	Agriculture Crop Production	Vineyard Grower	200								
3	Agriculture Crop Production	Vineyard Worker	200								
4	Agriculture Crop Production	Makhana Grower cum Processor	200								
5	Agriculture Crop Production	Temperate Fruit Grower (Options: Apple / Pear, Peach and Plum / Kiwi)	200								
6	Agriculture Crop Production	Orchard Worker (Options: Trainer-Pruner / Machine Operator – Landscape)	200								
7	Agriculture Crop Production	Vegetable Grower	200								
8	Agriculture Crop Production	Spice Crop Cultivator (Electives: Herbal Spices/Seed Spices/Tree Spices/Rhizomatous Spices/Oil Yielding Spices/Pod (Cardamom) Spices)	200								
9	Agriculture Crop Production	Nursery Worker	200								
10	Agriculture Crop Production	Essential Oil Extractor	200								
11	Agriculture Crop Production	Power Tiller Operator	200								
12	Agriculture Crop Production	Farm Worker	200								
13	Animal Husbandry	Goat Farmer	200								
14	Animal Husbandry	Piggery Farmer (Electives: Fattening/ Breeding)	200								
15	Fisheries	Coldwater Aquaculture Farmer	200								
16	Fisheries	Seaweed Cultivator	200								

17	Forestry, Environment and Renewable Energy Management	Timber Grower	200								
18	Forestry, Environment and Renewable Energy Management	Lac Cultivator	200								
19	Agriculture Industries	Ripening Chamber Operator	200								
20	Agriculture Industries	Group Farming Practitioner	200								
21	Agriculture Industries	Agri Commodity Fumigation Operator	200								
22	Agriculture Industries	Plant Tissue Culture Technician	200								
23	Agriculture Crop Production	Flower Handler-Packaging &Palletising	212								
24	Agriculture Crop Production	Tropical/Subtropical Fruit Grower	220								
25	Agriculture Crop Production	Florist	220								
26	Agriculture Crop Production	Service and Maintenance Technician-Farm Machinery	220								
27	Fisheries	Cage Culture Fish Farmer	230								
28	Agriculture Crop Production	Pesticide & Fertilizer Applicator	232								
29	Agriculture Crop Production	Operator-Reaper, Thresher and Crop Residue Machinery	236								
30	Animal Husbandry	Stud Farm Worker	240								
31	Animal Husbandry	Companion Animal Groomer	244								
		TOTAL									

2) Achievements under Crop Residue Management (CRM) Project by KVKs

a) CRM Machinery status of the CRM KVKs

Name of machine	Name of machine procured	No. of demo conducted	Area covered (ha)	No. of farmers covered	Result					
					Demo yield (q/ha)	Check yield (q/ha)	Increase in yield %	Cost of cultivation (Rs/ha)	Net return (demo plot)	B:C ratio
Happy Seeder										
Reversible M.B. Plough	-	05	05	05	56.5	55.0	2.73	30493.00	94658.00	4.10
Paddy Straw Chopper/ Shradder / Mulcher	-									
Zero Till Drill	-									
Rotavator	-									
Tractor	-									
Super Seeder		100	100	100	51.63	51.48	0.3	28305.00	81411.00	3.88
Total		**105**	**105**	**105**	**108.13**	**106.48**	**3.03**	**58498.00**	**176069.00**	**7.98**

S.No.	Name of the Machine/ Equipment	No. of machines procured
1	Happy Seeder	-
2	Reversible M.B. Plough	-

3	Paddy Straw Chopper/ Shradder/ ulcher	-
4	Zero Till Drill	-
5	Rotavator	-
6	Tractor	-
	Total	**-**

b) IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities	No. of Participants
1.	Kisan Melas organized	03	1169
2.	Awareness programmes conducted at Village Panchayat/ Block/ District Level	07	751
3.	Mobilization of schools and colleges through essay completion, painting, debate etc.	-	-
4.	Demonstration conducted (ha)	-	-
5.	Training Programmes conducted	04	150
6.	Exposure visits organized	02	100
7.	Field /harvest days organized	02	189
	Total	**18**	**2359**

a) Other IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities
1.	Advertisement in Print media	01
2.	Column / Articles in newspaper and magazines etc.	-
3.	Hoarding fixed (at Mandi/ Road side/Market/ Schools/ Petrol pump/ Panchayat etc.)	01

4.	Poster/Banner placed	04
5.	Publicity material - leaflets/ pamphlets etc. distributed	3000
6.	TV programmes/ panel discussions Doordarshan/ DD-Kisan and other private channels/Radio	08
7.	Wall writing	04
	Total	**1614**

बुक्स

लेखक	शीर्षक	प्रकाशक का नाम	वर्ष	आईएसबीएननंबर
नरेन्द्र सिंह, फैजमोहसिन, आशीषकुमार, अनुजबंसल, पीके सिंह एवं के.जी. यादव	फसलअवशेषप्रबंधन (प्रशिक्षण पुस्तिका)	Ocean Publication Near Hanuman Temple, MistonGunj, Rampur	2023	ISBN: 978-93-91644-05-3

टैक्नीकलबुलेटिन

क्र.सं.	लेखक	शीर्षक	वर्ष
1	नरेन्द्र सिंह, फैजमोहसिन, आशीषकुमार, अनुजबंसल	फसलअवशेषप्रबन्धनक्योंऔरकैसे	2023
2	नरेन्द्र सिंह, फैजमोहसिन, आशीषकुमार, अनुजबंसल	हैप्पीसीडरमशीन द्वारागेहूँ की सीधीबुवाई	2023
3	नरेन्द्र सिंह, फैजमोहसिन, आशीषकुमार, अनुजबंसल	जीरोटिल कम फर्टिलाइजरड्रिल	2023
4	नरेन्द्र सिंह, फैजमोहसिन, आशीषकुमार, अनुजबंसल	फसलअवशेषजलाने का प्रर्यावरणपरप्रभाव	2023
5	नरेन्द्र सिंह, फैजमोहसिन, आशीषकुमार, अनुजबंसल	मल्चर /चॉपर का प्रयोग	2023
6	नरेन्द्र सिंह, फैजमोहसिन, आशीषकुमार, अनुजबंसल	रिवर्सिबल एम. बीप्लाओ	2023

3) Achievement of TSP (Tribal Sub Plan)

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
No. of Trainings/ Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On-farm trials	Frontline demos	Mobile agro-advisory to farmers						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

4) Achievement of KSHAMTA (Knowledge Systems And Home Based Agricultural Management in Tribal Areas)

Number of Adopted Villages	No. of Activities		No. of farmers benefited	
	Demo	Training	Demo	Training

5) Achievements of SCSP KVKs

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
No. of Trainings/ Demos	No. of Farmers	No. of Trainings/ Demos	No. of Women Farmers	No. of Trainings/ Demos	No. of Youths	No. of Trainings/ Demos	No. of Ext. Person	On-farm trials	Frontline demos	Mobile agro-advisory to farmers						

6) Achievement under IFS KVKs

Sl. No.	Component Name	No. of Components established	Area (ha)	Number of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training
1							
2							
3							

7) Activities performed under NARI programme

Table-7.1: Details of activities performed under NARI programme

Nutritional Garden		Bio-fortified crops		Value addition		Training programmes		Extension activities	
No of Established	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries
02	20			2	10	6	120	4	260

Table-7.2: Details of Bio-Fortified Crops used for nutritional security under NARI programme

Category	Bio Fortified Crop	Variety	Area (ha)	No of Beneficiaries
Cereal	Maize			
	Rice			
	Wheat			
Millet	Finger millet			
	Pearlmillet			
	Sorghum			
Oilseed	Groundnut			
	Mustard			
Pulses	Lentil			
	Lathyras			
Vegetable	Cauliflower			

Tuber	Sweet Potato			
Total				

8) Achievements of Soil, water, plant and manure samples analyzed by KVKs and soil health cards issued

Sample	No. of Samples in lakh	No. of Farmers in lakh	No. of Villages in lakh	Amount realized (Rs. in lakhs)	No. of Soil Health Cards issued (lakhs)
Soil					
Water					
Plant					
Manure					
Total					

9) Achievements under NICRA Project

NRM		Crop production		Livestock & Fisheries			Capacity Building		Extension Activities	
Demo	Area (ha)	Demo	Area (ha)	Demo	Area (ha)	No. of animals	No of Courses	Farmers	No. of programmes	Farmers

10) Achievements under ARYA Project

Name of entrepreneurial units	No. of entrepreneurial units established	No. of Training programs organised	No. of rural youth trained		No. of youth established units	
			Male	Female	Male	Female
Mushroom production						

Fruits and vegetable processing units,						
Horticulture nursery						
Fish farming						
Poultry						
Goat farming						
Piggery						
Duck farming						
Bee keeping						
Others if any						

Achievements under Pulses Seed Hub programme

Season/Crop	Name of Pulse crop	Variety	Production			Category of seed	Distributed to No. of farmers
			Target (q)	Area sown (ha)	Actual Production (q)	(F/S, C/S)	
Kharif	Black gram						
	Green Gram						
	Pigeon pea						
Total (Kharif)							
Rabi	Chick pea						
	Field pea						
	Lentil						
Total (Rabi)							

Summer	Black gram						
Total (Summer)							
Grand Total							

12) Achievements under Swachhata Abhiyan Mission

S.No.	Items	No. of Programmes	No. of persons paticipated
1	Toilet maintenance		
2	Road, drain cleaning		
3	Garbage disposal		
4	Door to door awareness		
5	Awareness campaign		
6	Nookkad Drama		
7	School Drama		
8	School rally		
9	Writing paining slogans		
10	Composting		
11	Other		
12			
13			

13) Achievements under Aspirational District Scheme

Name of programme	Number
Training	
Session No.	
No. of farmers	
Officers/staff involved	
Seed & Plant Distribution	
Programme number	
Seed distribution in q	
No. of plant distributed	
Biological products distributed	
No. of programmeorganised	
No. of farmers	
Officers/staff involved	
Animal husbandra& fish distribution programme	
Vaccination	
Medicine for control of parasite	
Distribution of mineral mixure	
No. of farmers	
Officers/staff involved	

14) Awards

S.No.	Name of Award received	Name of KVK/farmer	Year of Award	Date on which award received

Note: Please also mention name of farmer who received the award.

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