ANNUAL PROGRESS REPORT
KVK-SHAHJAHANPUR

(Period of Report: January 2024 to December 2024)

APR SUMMARY

(Note: While preparing summary, please don't add or delete any row or columns)

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	87	1420	320	1740
Rural youths	06	40	45	85
Extension functionaries	13	300	90	390
Sponsored Training	-	-	-	-
Vocational Training	-	-	-	-
Total	106	1780	455	2215

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	350	140.00	-
Pulses	50	20.00	-
Cereals	145	54.50	-
Vegetables	25	7.00	-
Other crops	-	-	-
Hybrid crops	-	-	-
Total	570	221.5	-
Livestock & Fisheries	99	-	198 Animal
Other enterprises	30	0.30	-
Total	129	0.30	198 Animal
Grand Total	699	221.80	198 Animal

3. Technology Assessment

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Crops	06	34	34
Livestock	02	65	60
Various enterprises	-	-	
Total	08	99	94
Grand Total	08	99	94

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	452	10080
Other extension activities	18	338
Total	470	10418

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
KVK, Shahjahan pur	Text only	145	74	5696	-	-	-	5915
	Voice only				-	-	-	
	Voice & Text both	145	74	5696	-	-	-	5915
	Total Messages	**145**	**74**	**5696**	-	-	-	**5915**
	Total farmers Benefitted	**145**	**258**	**5696**	-	-	-	**5915**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.	Distributed to No. of farmers
Seed (q)	160.60	247000	NSC
Planting material (No.)	**54497**	**55871**	**287**
Bio-Products (kg)			
Vermi compost	18.00	-	Used at KVK farm
NADEP compost	64.00	-	-do-
Livestock Production (No.)	-	-	-
Fishery production (No.)	-	-	-

7. Soil, water & plant Analysis

Type of Samples	No. of samples analysed	No. of farmers	Realised Total Value Rs.
Soil	-	-	-
Water	-	-	-
Plant	-	-	-
Manure	-	-	-
Others	-	-	-
Total	-	-	-

8. HRD and Publications

Sr. No.	Category	Number	No. of participants
1	Workshops	**07**	10
2	Conferences	**05**	04
3	Meetings	24	36
4	Trainings for KVK officials	12	15
5	Visits of KVK officials	228	298
6	Book published	-	-
7	Bulletins	-	-
8	Newsletters	-	-
9	Training Manual	-	-
10	Book chapters	-	-
11	Research papers	-	-
12	Lead papers	-	-
13	Seminar papers	-	-
14	Extension folder	04	-
15	Proceedings	02	-
16	Award & recognition	03	-
17	On going research projects	02	-

9. Achievements of Flagship Programmes:

Sr. No.	Name of Programme	Activities	Quantity / Number	Period/ Area Covered (ha)	No. of Farmers benefitted	Revenue generated (Rs)
1	NICRA	FLDs	-	-	-	-
		Training Programmes	-	-	-	-
		Extension Activities	-	-	-	-
		Custom Hiring Centre	-	-	-	-
		VC RMC	-	-	-	-
			-	-	-	-
2	ARYA	Training Programmes	-	-	-	-
		No. of enterprises being promoted	-	-	-	-
		No. of Entrepreneurial Units established	-	-	-	-
			-	-	-	-
3	IFS (on farmers field)	IFS Units established	-	-	-	-
		Demonstrations done	-	-	-	-
		Training Programmes	-	-	-	-
			-	-	-	-
4	TSP/KSHAMTA	FLDs	-	-	-	-
		Training Programmes	-	-	-	-
		OFT	-	-	-	-
		Mobile Agro Advisories	-	-	-	-
		Extension Activities	-	-	-	-
		Seed Production (q)	-	-	-	-
		Planting Material Prod	-	-	-	-
		Livestock Production	-	-	-	-
		Fingerlings Production	-	-	-	-
		Soil Testing	-	-	-	-
			-	-	-	-
5	SCSP	FLDs	-	-	-	-
		Training Programmes	-	-	-	-
		OFT	-	-	-	-
		Mobile Agro Advisories	-	-	-	-
		Extension Activities	-	-	-	-
		Seed Production (q)	-	-	-	-
		Planting Material Prod	-	-	-	-
		Livestock Production	-	-	-	-
		Fingerlings Production	-	-	-	-
		Soil Testing	-	-	-	-
			-	-	-	-
6	CRM	Awareness programme (IEC activities)	-	-	-	-
		Training programmes	08	-	1250	
		Demonstrations	150	150	150	
		Kisan melas	-	-	-	
		Other activities (posters, banners,	50	-	-	

		paintings etc)				
		Publicity material leaflets/ pamphlets etc distributed	4000	-	-	
		Awareness through TV & Radio	-	-	-	
		Exposure visit	02	-	100	
		Field days				
		Advertisement published in Print media	-	-	-	
7	DAMU	Agro. Advisory services	-	-	-	-
		Awareness camp	-	-	-	-
		Training programmes	-	-	-	-
		Bulletins Published	-	-	-	-
		Articles Published	-	-	-	-
		WhatsApp messages sent	-	-	-	-
		Field visits conducted	-	-	-	-
			-	-	-	-
8	Pulses Seed Hub	Green gram (q)	-	-	-	-
		Black gram (q)	-	-	-	-
		Chickpea (q)	-	-	-	-
		Field pea (q)	-	-	-	-
		Lentil (q)	-	-	-	-
		Pigeonpea (q)	-	-	-	-
			-	-	-	-
9	ASCI	Name of Training programmes (200 hour duration) & period when conducted	-	-	-	-
		1.	-	-	-	-
		2.	-	-	-	-
		3.	-	-	-	-
			-	-	-	-
10	Aspirational Districts Scheme	Training programmes for farmers	-	-	-	-
		Training programmes for Staff	-	-	-	-
			-	-	-	-
11	NARI	Training Programmes	02	Jan.to Dec. 2024	40	
		Extension Activities	01	Jan.to Dec. 2024	35	-
		Nutritional Garden units established	20	Jan.to Dec. 2024	20	-
		Bio-fortified crops demonstrated	01	Jan.to Dec. 2024	03	-
		Value addition	02	Jan.to Dec. 2024	40	-
		Work on Hunger Free Villages initiated	05	Jan.to Dec. 2024	80	-
		Mahila Adhyayan Kendra	08	Jan.to	204	-

				Dec. 2024		
12	Natural farming	Training programmes	-	-	-	-
		No. of awareness	-	-	-	-
		Demonstrations at farm	-	-	-	-
		No. of farmers visited demonstration plots	-	-	-	-
			-	-	-	-
13	CSISA project	Wheat sowing by zero-tillage	-	-	-	-
		DSR/machine transplanter of paddy	-	-	-	-
		Paddy sowing time	-	-	-	-
		Wheat sowing time	-	-	-	-
14	MGMG	Groups or team formed	-	-	-	-
		Scientists involved	-	-	-	-
		Village's covered	-	-	-	-
		Field activities conducted	-	-	-	-
		Messages /Advisory sent	-	-	-	-
			-	-	-	-
16	Rainwater Harvesting Structures	Structure established at farmers fields	-	-	-	-
		Demonstrations conducted	-	-	-	-
		Training Programmes organised	-	-	-	-
		Visits of farmers to such sites	-	-	-	-
		Visits of officials to such sites	-	-	-	-
17	Swachha Bharat Abhiyaan	Programmes organised	06	-	44	-
			-	-	-	-
18	Agri Drone	No. of Drones purchased	-	-	-	-
		Demonstrations conducted	-	-	-	-
19	CFLD	CFLD on Pulses				
		CFLD on Oilseeds				

10. Status of Revolving fund (As on 31st December, 2024):

- Last status (as on 31st December, 2023) : Rs. 1836182.76
- Current status (as on 31st December, 2024) : Rs 1951180.76

DETAIL REPORT OF APR-(January 2024 to December 2024)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone (O)	FAX (PP)	E mail
KVK Niyamatpur, Shahjahanpur	-	-	shahjahanpurkvk@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Vice Chancellor, S.V.P.U.A. & T., Meerut	0121-2411503	2411505	vc2016svpuat@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. N.C. Tripathi	-	9450417136	nalinchandratripathi@gmail.com

1.4. Year of sanction : F.No 5(I)/93-KVK (F-II) Date 31.March 1993

1.5. Staff Position (as on 31st December, 2024)

Sl. No.	Sanctioned post	Name of the incumbent	Design-ation	Subject	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Pay scale fixed as on 1.1.2026	Category (SC/ST/ OBC/ Others)	Mobile no.	Age	Email id
1	Programme Coordinator	-	-	-	-	-	-	-	-	-	-	-
2	Subject Matter Specialist	Dr. N.C. Tripathi	Professor & O.I.C.	Agronomy	37400-67000 (GP 10000)	182700	01.06.98		Others	9450417136	59	nalinchandratripathi@gmail.com
3	Subject Matter Specialist	Dr Narendra Prasad	Professor	Agril. Extn.	37400-67000 (GP 10000)	182700	10.07.96		OBC	9450416956	58	narendraprasadkvk@gmail.com
4	Subject Matter Specialist	Km. Vidya Gupta	Asstt. Prof./. SMS	Home Science	15600-39100 (GP 7000)	101200	16.12.03		OBC	9415366111	58	vidyaguptakvk@gmail.com
5	Subject Matter Specialist	Dr Mahesh Kr	SMS	Horticulture	15600-39100 (GP 5400)	56100	20.09.2022		SC	6394318919	39	mkrao477@gmail.com
6	Subject Matter Specialist	-	-	-	-	-	-	-	-	-	-	-
7	Subject Matter Specialist	-	-	-	-	-	-	-	-	-	-	-
8	Computer Programmer	Dr Manoj Kr. Mishra	Computer Programmer	Computer Science	9300-34800 (GP 4800)	85200	28.10.99		Others	9412423526	51	dr_mishra@in.com
9	Programme Assistant	Anoop Singh	Programme Assistant (Soil/F.M.)	Agronomy	9300-34800 (GP 4600)	63000	17.09.2007		Others	-	49	
10	Farm Manager	Dr Vimal Kr. Singh	Programme Assistant (Soil/F.M.)	Entomology	9300-34800 (GP 4600)	55200	15.09.08		Others	9452215713	46	
11	Accountant / Superintendent	-	-	-	-	-	-	-	-	-	-	-
12	Stenographer	Sandeep Saxena	Jr. Steno	-	5200-20200 (GP 4200)	64100	02.09.95		Others	9450443210		
13	Driver	Sonu Gupta	Driver/Mechanic	-	5200-20200 (GP 1900)	33300	27.07.07		OBC	9411986427		
14	Driver	-	-	-	-	-	-	-	-	-	-	-
15	Supporting staff	Shubham Kumar Sagar	Office Attendant	-	5200-20200 (GP 1800)	20900	21.03.17		SC	8874594581		
16	Supporting staff	-	-	-	-	-	-	-	-	-	-	-

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.600
2.	Under Demonstration Units	0.1068
3.	Under Crops	3.20
4.	Orchard/Agro-forestry	1.00
5.	Roads and other unused area	1.00
6.	Others (Newly develop farm under land reclamation)	10.00 (Under RKVY land development work is in progress)

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of Funding		Stage					
				Complete			Incomplete		
		ICAR	RKVY	Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	-	2000	0.600	2647000		-	Completed
2.	Farmer's Hostel	ICAR	-	-	0.300	2289916	Sept.,2006	-	Completed
3.	Staff Quarters (6)	ICAR	-	-	0.040	2671000	"	-	Completed
4.	Demonstration Units (8)	ICAR	RKVY	-	1068.87	1104974 (ICAR) + 1669000 (RKVY)	"	-	Completed
5	Fencing	ICAR	RKVY	-	2000 (ICAR) + 802 R/M (RKVY)	3843000 (ICAR) + 7330000 (RKVY)	"	-	Completed
6	Rain Water harvesting system	ICAR	-	-	0.400	50000	"	-	Completed
7	Threshing floor	ICAR	-	-	0.030	230000	"	-	Completed
8	Farm go down	ICAR	-	-	0.006	362539	"	-	Completed
9	Irrigation channel	ICAR	RKVY	-	1000 (ICAR) + 1000 (RKVY) R/m	826000 + 1107000	"	-	Completed

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero jeep UP27G-0138	June, 2009	507000	223226	Condemn
Hero Honda Super Splender UP27G-0146	April , 2010	46159.00	45594	Working but Needs replacements
Tractor (Sonalika DI-47 RX)	12.06.2024	520863.00	789.2hrs	Working

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Daree – 05	2002	2010.00	Working order
Kirloskar Diesel Engine Model Ks-10 with Acess.	2003	21210.00	------do-----
Spade – 02	2003	140.00	------do-----
Zero tillage Cum Bed Planter - 2	2003	11900.00	------do-----

Office Chair- 10 No.	2003	3564.00	------do-----
Dice	2003	1800.00	------do-----
Steel Book Shelf -2	2003	6261.84	Working order
Harrow	2004	16800.00	------do-----
Lavellor	2004	4250.00	------do-----
Daree – 04	2004	2010.00	------do-----
Heat Convector - 2	2004	850.00	------do-----
Home Science Material (Bartan)	2004	4589.75	------do-----
Home Science Material (Oth. Material)	2004	8996.00	------do-----
Gas Cylinder - Two	2004	2074.72	------do-----
Television	2004	10490.00	------do-----
D.V.D Player	2004	11990.00	------do-----
Office Table With One Side drawer 9	2004	12222.00	------do-----
Office Table With Two Side drawer	2004	8028.00	------do-----
Computer Table	2004	3450.00	------do-----
Office Chair Can Seat & Back -80	2004	28640.00	------do-----
Computer Chair	2004	1575.00	------do-----
Ex. Rev. Chair	2004	2859.00	------do-----
Rack - 2 (Covered Side Rack)	2004	1500.00	------do-----
Steel Rack - 1	2004	1617.00	------do-----
Scanner	2004	3700.00	Not Working
Library book - 40 No.	2004		Working order
Library book - 6 No.	2004	1064.00	------do-----
Steel Book Shelf -2	2004	6579.28	------do-----
Chair donlup cushion	2004	12360.00	------do-----
Invertor Battery	2004	11200.00	------do-----
Generator - 5 KVA	2004	3700.00	------do-----
Photo copier G1508	2004	61240.00	Not working
Stabilizer 5 KVA	2004	5000.00	Working order
Slide Projector	2004	-	------do-----
Over hade Projector	2004	-	------do-----
Soil Science Unit Grinder, Sale Willy Mill Chamlur	2005	23252.40	------do-----
Conductivity Meter - 1	2005	8750.00	------do-----
Mechanical Shaper - 1	2005	5270.00	------do-----
Cooler	2005	5670.00	------do-----
Office Table With Two Side drawer	2005	1950.00	------do-----
Ex. Rev. Chair	2005	2800.00	------do-----
Steel Rack - 1	2005	1464.48	------do-----
Steel Rack - 2	2005	2713.92	------do-----
Book Case - 1	2005	2933.00	------do-----
Book Shelf	2005	5586.00	------do-----
Ex. Table	2005	4215.00	------do-----
Printer	2005	2900.00	Not working
Library book - 13 No.	2005	1483.00	Working order
Library book - 6 No.	2005	1782.00	------do-----
Library book - 3 No.	2005	1098.00	------do-----
Library book - 2 No.	2005	168.00	------do-----
Chemical Balance	2005	87000.00	------do-----
Oven	2005	14500.00	------do-----
Refrigerator With Stabilizer	2005	12000.00	------do-----
Microscope	2005	4600.00	------do-----
Kejeldal Digestion Unit For Six Slash - 2	2005	13400.00	------do-----
Kejeldal Distillation Unit for 6 Slash - 2	2005	30000.00	------do-----
Spectrophotometer	2005	106500.00	------do-----
Flame Photometer	2005	33430.00	------do-----

PH Meter	2005	10350.00	Working order
Hot Plate	2005	8200.00	------do-----
Water Distillation Unit	2005	85000.00	------do-----
Soil Science Unit (Others Materials)	2005	15179.00	------do-----
Physical Balance	2005	11990.00	------do-----
Phawara - 6	2005	780.00	------do-----
Khurpi – 12	2005	300.00	------do-----
Laboratory Tray- 4	2005	2200.00	------do-----
Sieves Brass - 5	2005	2480.00	------do-----
Tube well Boring - 1	2005	9850.00	------do-----
Diesel Suction Pump	2005	3278.70	------do-----
Reading Cum Conference Table	2006	9850.00	------do-----
Stabilizer 6 KVA	2006	5500.00	------do-----
Grinder/milling machine with motor	31.03.11	18850.00	------do-----
Humidityfier	31.03.11	17800.00	------do-----
Electronic polybag sealing machine	31.03.11	4300.00	------do-----
Physical Scale	31.03.11	3500.00	------do-----
Electronic scale	31.03.11	46200.00	------do-----
Steplizer	31.03.11	2622.00	------do-----
BOD incubator	31.03.11	46075.00	------do-----
Steplizer	31.03.11	4218.00	------do-----
laminar flow bench with access table with manome	31.03.11	44460.00	------do-----
Steplizer	31.03.11	19665.00	------do-----
Corcyra cages	31.03.11	42750.00	------do-----
microscope binocular	31.03.11	32219.00	------do-----
Manual weighing machine	31.03.11	712.00	------do-----
Hygrometer	31.03.11	1425.00	------do-----
Medium duty stirrer	31.03.11	10412.00	------do-----
Hot air oven	31.03.11	10500.00	------do-----
Hot plate with regulator	31.03.11	1850.00	------do-----
Vaccum cleaner	31.03.11	9000.00	------do-----
Double Distillation apparatus	31.03.11	48780.00	------do-----
Deep freezer	31.03.11	29500.00	Working order
Autoclave	31.03.11	44000.00	------do-----
Mixer cum grinder	31.03.11	10500.00	------do-----
Fridge	29.02.12	16770.00	------do-----
Hot air oven, Digital control	31.03.12	34000.00	------do-----
Air circulating fan	31.03.12	2400.00	------do-----
testube stand aluminium	31.03.12	3700.00	------do-----
Aorkborer ,machine	31.03.12	3560.00	------do-----
Haemo cytometer	31.03.12	6208.00	------do-----
Inoculation/UV chamber	31.03.12	19475.00	------do-----
B.O.D. Incubator With Accessories	31.03.12	104857.00	------do-----
Office Table	31.03.12	8320.00	------do-----
Office Chair	31.03.12	6448.00	------do-----
Computer Table	31.03.12	5200.00	------do-----
Computer Chair	31.03.12	2808.00	------do-----
Visitor chair	31.03.12	3640.00	------do-----
Stool	31.03.12	1976.00	------do-----
Almira	31.03.12	15600.00	------do-----
Book Case	31.03.12	11440.00	------do-----
Rack	31.03.12	7700.00	------do-----
Lab Table Steel Fram 8x2x	31.03.12	24960.00	------do-----
Capboard Steel Fram	31.03.12	7488.00	Working order
Inverter	31.03.12	6900.00	------do-----

Battery	31.03.12	20764.00	------do-----
Cooker	22.03.13	1400.00	------do-----
Rice chalni	22.03.13	650.00	------do-----
Jug	22.03.13	450.00	Working order
Bhagona With Dhakan	22.03.13	1900.00	Working order
Piller	22.03.13	180.00	------do-----
Spoon	22.03.13	150.00	------do-----
Souce Pain	22.03.13	535.00	------do-----
Air condition	20.05.11		------do-----
computer Desktop with assessory& Monitor	19.03.10	29000.00	------do-----
Fax machine	19.03.10	6500.00	------do-----
Raised bed multi crop planter	20.11.10	57500.00	------do-----
Paddy harrow	20.03.2017	19000.00	------do-----
Rotavator	16.03.2017	97832.00	------do-----
16 disc harrow	16.03.2017	33220.00	------do-----
Winnowing fan	16.03.2017	2516.00	------do-----
Tractor	01.03.2017	520863.00	------do-----
Mridaparishak unit	24.03.2017	86000.00	------do-----
Submersible Tube well	29.03.2017	125000.00	------do-----
Steel Stool (Small-02)	08.02.2018	1208.00	------do-----
Filling Cabinet	08.02.2018	9252.00	------do-----
Steel Almirah	08.02.2018	9504.00	------do-----

1.8. A). Details SAC meeting* conducted in the year 2024

Sl. N.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	10.11.2024	1. Dr. P.K. Singh, Director Extension S.V.P.U.A.T. Meerut 2. Dr. .K.G. Yadav, Assoc. Director S.V.P.U.A.T. Meerut 3. Er. Jayveer Singh, Assoc. Director S.V.P.U.A.T. Meerut 4. Dr. S.K. Lodhi, Assoc. Director S.V.P.U.A.T. Meerut 5. Anand Kumar Tripathi, D.D. Agriculture, District Shahjahanpur 6. Raghavendra Singh, D.H.O. Shahjahanpur 7. A.C. Shrivastav, A.D. Fisheries Deptt., SPN 8. Pradeep Shukla, F.I. Fisheries Deptt. Shahjahanpur 9. Dr. Anoop Singh, S.S.O. UPSRC Shahjahanpur 10. P.K. Kapil , A.D. Ganna Sansthan 11. Sarvesh Kumar Singh, SCDI. Cane Department 12. Somvati, Pragatisheel Mahila Krishak Village- Ladhauli 13. leeravati, Pragatisheel Mahila Krishak , Village- Ladhauli 14. Sudhir Mohan, Pragatisheel Kisan Villgae- Nougawan 15. Gyanesh Tiwari, Krishak.	Crop diversification needs to be promoted.	Action are being motivated to raise diversified crops,cereals,oilseeds,pulses, vegetables,spices,medicinal crops, and millets through training ,gosthi and demonstration.
			Agri-enterpreneurship should be promoted among farmers.	Bee keeping , Mushroom cultivation value addition , dairy and poultary are being promoted through training ,gosthi and demonstration.
			Farmers should be motivated to join FPOs of district.	Three whatsapp group of farmers have been made and FPOs and sharing activities informations for better crop price in market.
			Jaivik kheti needs to be promoted among farmers.	Jaivik kheti with bio-fertilisers and bio-pesticides is being promoted through training ,gosthi and demonstration.
			Farmers trainings should on different aspects of crop production should be	The training schedule has been prepared as per recommendation prior to season of crops.

		Village- Navipur 16. Mohit Rajvanshi, BSVS, SPN B.S.V.Shahjahanpur 19. Awanish Pal, SO Hngr-HPCL. Shahjahanpur 20. Anshul Mishra, Pragatisheel Krishak Village – Chillaoua 21. Dr. N.C. Tripathi, Prof. /OIC KVK Shahjahanpur 22. Dr. Narendra Prasad, Prof. KVK Shahjahanpur 23. Km. Vidya Gupta, S.M.S. H.Sc. KVK Shahjahanpur 24. Dr. Shiv Kumar Yadav, S.M.S. Livestock Production. KVK Shahjahanpur 25. Dr. Mahesh Kumar, S.M.S. Horticulture KVK Shahjahanpur 26. Dr. C.P. Gupta, T.A. KVK Shahjahanpur 27. Dr M. K Mishra, Programmer, KVK, Shahjahanpur 28. Dr. Vimal Kumar Singh, Farm Manager KVK Shahjahanpur 28. Sandeep Saxena, Steno KVK Shahjahanpur	planned well advance of time of implementation.	
			Farmers nominated by DHO should be included in poly house vegetables seedling raising trainings.	The polyhouse nursery trainings are being orgainsed as per recommendation.
			Outcome of CFLD, FLDs should be include weather relation and climate change effect on crops.	Weather data is maintained and outcome attributes are prepared like wise to have an eye on climate change effect on agriculture
			Intercroping in sugarcane should be promoted among farmers.	Intercropping of vegetables, specially onion is being promoted with sugarcane through through training and FLD.
			Rain water harvesting water management in vegetables raising should be promoted.	Training program on drip irrigation and sprinkler irrigation have been organized and being promoted with alliance to DHO.
			Fisheries training should be organized.	Training on fisheries have been included and being done for needy farmers.

2. DETAILS OF DISTRICT (31st December, 2024)

3. TECHNICAL ACHIEVEMENTS

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

S. No	Farming system/enterprise
1	**Crop production system**
2	**Crop production and livestock production system**
3	**Fruits / Vegetable /Floriculture /farming**
4	**Fisheries, Poultry, Mushroom production and Goatary**

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

S. No	Agro-climatic Zone	Characteristics
1	**Mid Western plain zone**	**Alluvial, Calcareous , Clay , Saline Alkaline Annual rainfall 807 mm**

S. No	Agro-ecological situation	Characteristics
1	**AES-1 (PowayanTehsil) Block 1. Sindhauli**	**1. Productive plain land under canal and tube well irrigation 2. Main cropping system rice wheat**

	2. Powayan **3. Banda** **4. Khutar**	**sugar cane & potato.** **3. Soil type – Loam ,Clay loam , Sandy loam,**
2	**AES-2 (Sadar and TilharTehsil)** **Block- 1. Bhawalkhera** **2. Dadraul** **3. Negohi** **4. Khudaganj** **5. Tilhar**	**1. Plain and water logged under canal and tube well irrigation** **2. Major crops grown i.e. Rice, Wheat, S.Cane.Toria, Potato, Lentil, Urd&Til** **3. Soil type loam,clay loam.**
3	**AES-3 (Jalalabad Tehsil)** **Block- 1. Jalalabad** **2 Kant** **3. Madnapur** **4. Kalan** **5. Mirjapur** **6. Jaitipur**	**1. Rainfed and tube well irrigated cultivable land** **2. Major crop – Jowar , Bajra , Til , Ground Nut, maize, Mustard , Lentile ,Urd , Wheat ,S.Cane , Paddy.** **3. Soil type – Sandy /sandy loam**

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	**Sandy soil**	**About 50% sand in this soil mostly rain fed farming**	**157677**
2	**Loam /Clay loam**	**Irrigated land & all crop grown**	**208899**
3	**Loam**	**In this soil paddy wheat and other oil seed and pulses crops are grown**	**60818**

2.4. Area, Production and Productivity of major crops cultivated in the district (2020-21)

S. No.	Crop	Area (ha)	Production (qt.)	Productivity (qt. /ha)
1	Rice	190621	667870	38.20
2	Maize	1236	120	25.91
3	Jowar	1108	1115	10.07
4	Bajra	3383	5264	15.56
5	Pulses (Kharif)	4306	2830	5.35
6	Urd	13266	8981	6.75
7	Moong	39	15	3.97
8	Ground nut	4711	71120	15.1
9	Sesmum (Til)	3867	5712	14.77
10	Soybean	18	100	5.61
11	Wheat	247913	989801	44.56
12	Barley	258	734	28.46
13	Gram	189	198	10.48
14	Pea	182	1914	23.57
15	Lentil	19543	19504	9.98
16	Linseed	0	0	0
17	Mustard/Toria	14441	17734	12.28
18	Sugarcane	72466	42879000	788.28

2.5. Weather data

S. No	Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)
			Maximum	Minimum	
1	January -2023	28.00	18.00	9.00	82
2	February	12.00	23.80	9.90	68
3	March	59.00	28.40	15.50	68
4	April	36.80	35.00	19.90	54
5	May	30.00	36.60	22.60	59
6	June	30.00	35.50	25.30	69
7	July	431.00	33.30	25.80	81
8	August	92.90	33.20	26.10	79
9	September-2023	26.40	34.70	25.30	75

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

Category	Population	Production	Productivity
Cattle			
Crossbreed/Indigenous	15663	-	-
Buffalo	228183	-	-
Sheep+Goats	277953	-	-
Pigs	24384	-	-
Rabbits	287	-	-
Poultry			
Hens	114247	-	-
Desi	28436	-	-
Horse	2807	-	-
Dog	75759	-	-

Category	Area (ha.)	Production (Mt.)	Productivity (kg/ha)
Fish	1910.285	5865.56	370.0
Marine	-	-	-
Inland	-	-	-
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

2.7 Details of Operational area / Villages

Sl No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1-	Sadar	Bhawalkhera, Madnapur,kant ,Dadraul	Tiulak, Pena Bujurg, Mahumahesh, Daulatpur, Badavan, Daudpur,Niyamtpur, Tikri,Madnapur, Chndokha, Khaikhera, Mathana, Satwankhurd, Roshannagar, Guwari , Rampur Barkatpur ,Basak , Kakrakalan Daulatpur,Niwari.Khutaria.Kapsera.Shahbajnagar.,Gumta, Kuriyan Kalan and Akra-Rasulpur,	Rice , Wheat , Sugarcane ,Ground nut, Potato, Urd ,Lentil , Toria , Mustard / Mushroom production ,Vermi-compost , Seed production , Animal husbandry, Vegetable production ,Soil and water conservation, preservation of fruits and vegetable	1. Non use of HYV seeds 2. Non use of balance fertilizers 3. Non use of PP measures 4.Non use of sulphur and boron in oilseed crop	1.Need to enhance productivity by HYV of crops 2.Need to promote INM and IPM 3. Need to adopt organic farming 4. Need to promote agro based activities like Mushroom cultivation and value addition

	Powayan, Jalalabad, Tilhar	Sindhauli ,Powayan , Jalalabad , Tilhar, Nigohi, Jaitipur, Banda, Khutar, Khudaganj, Mirzapur and Kalan	Jewa, MudiaKumiat, Bangwan,Barapur , Moorchha , Karnapur , ChakKanhau , Painakhurd , Siklapur ,Mudiyapawar , Nagariya , Nahil , Puraina ,DakiaHameednagar, Razau ,Chadari ,Benipur,,Dahar, Mirzapur, MuriaKurmiyat, Mahuwa Pathak, Rautapur, Rajanpur, Dahar, Jallapur and Majhil	Rice , Wheat , Sugarcane ,Ground nut, Potato, Urd ,Lentil , Toria , Mustard / Mushroom production ,Vermi-compost , Seed production , Animal husbandry, Vegetable production ,Soil and water conservation, preservation of fruits and vegetable	1. Non use of HYV seeds 2. Non use of balance fertilizers 3. Non use of PP measures 4.Non use of sulphur and boron in oilseed crop	1.Need to enhance productivity by HYV of crops 2.Need to promote INM and IPM 3. Need to adopt organic farming 4. Need to promote agro based activities like Mushroom cultivation and value addition

2.8 Priority/thrust areas

Crop/Enterprise	**Thrust area**
Rice	IPM, IDM, IWM and Integrated Nutrient Management
Wheat	Integrated Weed Management and Nutrient Management
Sugarcane	Intercropping, IPM, IWM and INM
Pulses	IPM, IWM & INM
Oilseeds	Use of sulphur and IWM
Vegetable	INM & IPM, Protective vegetable cultivation

3.A. Details of target and achievements of mandatory activities by KVK during Jan 2024 to December 2024

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
10	08	84	99	112.00 110 Animal	221.80	370	699 198 Animal

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	85	87	1700	1740	2128	470	39910	10418
Rural youth	12	06	120	85				
Extn. Functionaries	15	13	450	390				

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	160.60	NSC	20000	54497	287

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs (As per the approved Action Plan 2024 only)

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Integrated Nutrient Management	Mango	Orchard management	05	05
Varietal Evaluation	Paddy	Varietal evaluation	05	05
	Wheat	Varietal evaluation	06	06
Integrated Pest Management	Sugarcane	Top Borer Management	05	05
Integrated Crop Management	Paddy	Weedicide evaluation	10	10
Integrated Disease Management	Paddy	Sheath Blight Management	03	03
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				

In case of OFT not conducted, kindly mention the same and also given the reason.

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(disorder) Management	Buffalo	Assessment of Clinical and none-clinical remedies in controlling repeat breeding	10	10
Evaluation of Breeds	-	-	-	-
Feed and Fodder management	-	-	-	-
Nutrition Management	Buffalo	On-farm validation trial to assess to impact of mineral supplement under taken at farm gate level with a special focus on problematic dairy animal. Response to the mineral supplementation will be ascertained by measuring relevant parameters related to production and reproduction. Farmers perception will be recorded about socio-economic feasibility of the mineral supplement	40	40
Nutrition Management	Mineral Mixture feeding	50 gm mineral mix/ Animal/day + 25 g Tata salt	10	05
Production and Management	-	-	-	-
Others (Pl. specify)	-	-	-	-
Total			**65**	**60**

Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers

Note: Suppose **IPM in paddy** is the technology assessed by 50 KVKs in the Zone with 5 trials by each KVK, then IPM in paddy needs to be considered as a single technology, with 50*5 = 250 trials and No. of KVKs will be 50. In addition, please note that even if IPM in paddy is done with various combinations of Technology Options (treatments), it may be considered as a single technology only.

I.B. TECHNOLOGY ASSESSMENT IN DETAIL

(From each state please include the full details of three OFTs on technology assessment and or refinement under the

INTEGRATED CROP MANAGEMENT

1. **Problem definition:** Low yield of wheat due to unavailability of HYV
   Technology Assessed: Evaluation of HYV wheat.
   Critical Input: Seed of variety DBW-187.

KVK, Shahjahanpur, Uttar Pradesh conducted on-farm trial to assess the new HYV DBW-187 of wheat, to compare with farmers practices HD-3967.

Table: OFT to assess the new HYV of wheat DBW-187.

Technology Option	No. of trials	Yield (q/ha)	% increase in Yield	Cost of cultivation (Rs. /ha)	Gross Return (Rs./ha)	Net Returns (Rs./ha))	B:C Ratio
T1-Farmers Practice HD-2967	06	55.35	-	40700	110700	70000	2.71
T2- DBW-187		60.90	10.02	40700	121800	81100	2.99

Interference & Feed back	DBW-187 performed better. This is due to bold seed size and more effective ear head.
Farmers Reaction	Positive, Farmers liked the HYV DBW-187 as its yield is higher than farmers practices.

2. **Problem definition:** Low productivity of Basmati Rice due to use of local variety
   Technology Assessed: Use of high yielding variety of Basmati Rice

KVK, Shahjahanpur, Uttar Pradesh conducted on-farm trial to assess the use of hybrid varietyPB -1637 to compare with local varietyPB-1

Table: Production of local and high yielding varieties of Basmati Rice

Technology Option	No. of trials	Yield (t/ha)	Net Returns (Rs in lakh/ha)
T1- PB- 1	05	4.36	0.45

T2- PB-1637		5.23	0.60

WEED MANAGEMENT

3. Problem definition: Low yield of transplanted rice due to infestation of weeds.

Technology Assessed: Evaluation of weedicide chemicals for Weed Management in transplanted rice .

Critical Input: Weedicides

KVK, Shahjahanpur, Uttar Pradesh conducted on-farm trial to assess the efficiency of different weedicides for management of weeds.

Table: OFT to assess the new weedicides.

Technology Option	No. of trials	Weed Density (No.of weeds/ m2)	Weed Dry Weight (g/m2)	No. of Panicles/ hill	Grain yield (q/ha)	Straw yield (q/ha	Cost of Cultiv. (Rs/ha)	Gross Return(Rs/ha)	C :B Ratio
T1-Bis-pyribac sodium10%@200-250 ml/ha	10	34.5	11.5	10.5	48.5	78.5	51500	110850	2.15
T2-Trifamone20%+Ethoxysulfuran10%WG@90g/ha		26.9	10.5	12.5	52.7	81.3	51800	121350	2.34
T3-Bispyribac Sodium 38%+Chorimuron Ethyl 2.5%+Metsulfuron Methyl 2.5%(w/w)@100g/ha		18.1	8.5	11.8	55.5	80.9	51950	129850	2.49

Interference & Feed back	T3 chemical formulation is best among three and its BCR is highest.
Farmers Reaction	Positive, Farmers liked T3 formulation most.

PEST AND DISEASE MANAGEMENT

4. Problem definition: Incidence of Sheath Blight in Paddy .

Technology Assessed : Management of Sheath Blight Disease in paddy.

Paddy is an important Cereal crop of mid-western plane zone of UP. However, the productivity of paddy is badly affected by incidence and severity of Sheath Blight disease in District Shahjahanpur. To assess the performance of the technology as seed treatment before sowing and two sprays of fungicide, an OFT was conducted at three locations in 1.2 ha area .The performance of OFT conducted revealed that tested technology can increase 8.73% yield over farmers practice.

Table: Effect of Seed Treatment and Spray Fungicide on Incidence of Sheath Blight in Paddy.

Technology Option	No.of trials	Incidence of Sheath blight (%)	Yield (q/ha)	% Increase in yield over farmer's practice
Farmers Practice-Spray of Carbendazim@1.0kg/ha	03	6.5	53.03	--

Seed Treatment Tricyclozole@2g/kg and 2 Sprays of Thifluzamide24%SC@375ml/ha.		2.3	57.66	8.73

5. Problem definition: Low yield of Sugarcane due to infestation of Top Borer.

Technology Assessed: IPM Model of Management of Top Borer in Sugarcane: Seed treat.+ Soil Treat .+Pheromone Traps + Tricho card

Sugarcane is an important cash crop of mid western plane zone of UP.Infestation of Top Borer badly affect the productivity of sugarcane.To assess the performance of technology used,an OFT was conducted at farmers fields at 5 locations in 1.0 ha area.The performance of OFT is awaited .

Table:

Technology Option	No.of trials	Top borer infestation (%NMC)	Yield (q/ha)	% Increase in yield over farmer's practice
Farmers Practice-Fipronil 0.3G@20 kg/ha	05			
IPM model of management				Results awaited

Horticulture

6. Problem definition: Low productivity in Mango due to no pruning + Nutrients

Technology Assessed: Use of canopy management of mid-age mango orchards through centre opening and nutrients .

KVK, Shahjahanpur, Uttar Pradesh conducted on-farm trial to assess the use of canopy and nutrients management of mango cv. Dashehari to compare with no pruning + nutrients.

Table: Production of no pruning + Nutrients and use of canopy and nutrients management of mango

Technology Option	No. of trials	Yield (t/ha)	Net Returns (Rs in lakh/ha)
T1- Farmers Practice	05		
T2- canopy and nutrients management			Result Awaited

LIVE STOCK ENTERPRISES

7. ON REPEAT BREEDING

Problem definition: Higher incidence of repeat breeding in buffaloes and Cattle resulting lower productivity and profitability of dairying.

Technology assessed or refined (as the case may be): Assessment of clinical and non-clinical remedies in controlling repeat breeding in buffaloes in District: Shahjahanpur KVK, conducted trial to find out suitable control measure for repeat breeding in buffaloes as the recommended practice could not stop recurrence of repeat breeding to the desired level. The technology recommended was fine tuned by including Receptal injection for the control of repeat breeding.

Table: Effect of Receptal injection and mineral mixture in the control of repeat breeding.

Animal	Technology Option	No.of trials	Responding Rate %	Conception rate %	Repeating Rate%	Per cent incidence of repeat breeding
Buffalo	Use choker (Farmers practice)	**05**	-	-	-	100

	Mineral mixture @50g/day/animal up to 45 day + Receptal 5 ml (72-96 hrs before AI or Natural breeding) recommended practice		**100**	**Awaited**	**Awaited**	**Awaited**
Cattle	Mineral mixture @50g/day/animal up to 45 day + Receptal 5 ml (72-96 hrs before AI or Natural breeding) recommended practice	**05**	**100**	**Awaited**	**Awaited**	**Awaited**

8. Problem definition: Higher incidence of repeat breeding in buffaloes due to hormone insufficiency (Cystic condition).

Technology assessed or refined (as the case may be): Use of mineral mixture provided by Department of animal nutrition, I.V.R.I. Bareilly (PI- Dr.Narayan Dutta) supplementation in buffalo heifers and Inj. Receptal. KVK, Shahjahanpur conducted on-farm trial to find out the effect of mineral mixture supplementation on buffalo heifers/ buffalo not responding/responding but not conceived.(age group between 3 year to 5.5 year) The **assessed** practice of mineral mixture supplementation @ 50 gram/day/animal (heifers) for 40 days was found that 90 % heifers are conceived.

Table Effect of mineral mixture supplementation in enhancing conception rate and fertility in buffalo heifers/ buffalo.

Technology Option	**No.of trials**	**Responding Rate %**	**Conception rate %**	**Repeating Rate%**
T1: Use of choker and common salt (Farmers Practice)	10	-	-	-
T1+mineral mixture supplementations @50g/day/heifers for 40 days. (Recommended Practice)		100	70	30

Use of mineral mixture provided by Department of animal nutrition, I.V.R.I. Bareilly (PI- Dr.Narayan Dutta) supplementation in buffalo heifers. KVK, Shahjahanpur conducted on-farm trial to find out the effect of mineral mixture supplementation on buffalo heifers/ buffalo not responding/responding but not conceived.(age group between 3 year to 5.5 year) The **assessed** practice of mineral mixture supplementation @ 50 gram/day/animal (heifers) for 40 days was found that 70 % heifers are conceived.

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2023-24 and recommended for large scale adoption in the district

S.N.	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.	Groundnut	ICM	HYV Seed @100 kg/ha, Bentonite sulphur@12.5kg/ha, Mancozeb +Carbendazim@1.25kg/ha, Chlorpyriphos 50%@2.5l /ha, Trichoderma@5kg/ha	Training, Demonstration, Field Day , Field Visit, Print and Electronic Media	15	72	28.0
2.	Sesamum	ICM	HYV GJT-05 @ Seed 5 kg/ha, Bentonite sulphur 90 % @12.5kg/ha, Mancozeb +Carbendazim@1.25kg/ha, Quinlalphos 50%@ 1.25 l /ha, Trichoderma@5kg/ha	Training, Demonstration, Field Day , Field Visit, Print and Electronic Media	18	75	30.0
3.	Mustard	ICM	HYV RH 749 @ 5kg/ha Bentonite Sulphur 90% @12.5 kg/ha, Mancozeb+Carbendazim@1.25kg/ ha, Imidacloprid @0.25l/ha	Training, Demonstration, Field Day , Field Visit, Print and Electronic Media	22	58	20.0
4.	Blackgram	ICM	HYV -IPU-13-01@15kg/ha,Bentonite Sulphur@25kg/ha,Mancozeb+Carbendazim@1.25kg/ha,Imidacloprid@0.25l/haQuinalphos@2.5l/haTrichoderma@5kg/ha	Training, Demonstration, Field Day , Field Visit, Print and Electronic Media	16	75	21.0
5.	Lentil	ICM	HYV Seed (KLS-09-03) @ 30kg/ha, Sulphur 90% @12.5 kg/ha Carbandazim + mancokzeb @1.25kg/ha, Imidacloprid @0.25 l/ha Trichoderma @ 5kg/ha	Training, Demonstration, Field Day, Field Visit, Print and Electronic Media	25	92	55.0

b. Details of FLDs implemented during Jan 2024 to December 2024

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.	Mustard	ICM	HYV RH 749 @ 5kg/ha Bentonite Sulphur 90% @12.5 kg/ha, Mancozeb+Carbendazim @1.25kg/ha, Imidacloprid @0.25l/ha	Rabi-23-24	20	20	06	46	50	-
2	Lentil	ICM	HYV Seed (KLS-09-03) @ 30kg/ha, Sulphur 90% @12.5 kg/ha Carbandazim + mancokzeb @1.25kg/ha, Imidacloprid @0.25 l/ha Trichoderma @ 5kg/ha	Rabi-23-24	20	20	05	45	50	-
3	Groundnut	ICM	HYV Seed @100 kg/ha, Bentonite sulphur@12.5kg/ha, Mancozeb +Carbendazim@1.25kg/ha, Chlorpyriphos 50%@2.5l /ha, Trichoderma@5kg/ha	Kharif-24	20	20	17	33	50	-
4.	Sesamum	ICM	HYV GJT-05 @ Seed 5 kg/ha, Bentonite sulphur 90 % @12.5kg/ha, Mancozeb +Carbendazim@1.25kg/ha, Quinlalphos 50%@ 1.25 l /ha, Trichoderma@5kg/ha	Kharif-24	10	10	0	25	25	-
5.	Toria	ICM	HYV PT-508 @ 5kg/ha Bentonite Sulphur 90% @12.5 kg/ha, Mancozeb+Carbendazim @1.25kg/ha, Imidacloprid @0.25l/ha	Rabi-24-25	10	10	0	25	25	-
6.	Mustard	ICM	HYV RH 749 @ 5kg/ha Bentonite Sulphur 90% @12.5 kg/ha, Mancozeb+Carbendazim @1.25kg/ha, Imidacloprid @0.25l/ha	Rabi-24-25	80	80	15	185	200	-

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					
Mustard	Rabi-23-24	Irrigated	Sandy Loam	L	L	M	Paddy	18-Oct to 03 Nov.224	20-30 March 2024	425	22
Lentil	Rabi-23-24	Irrigated	Sandy Loam	L	L	M	Paddy	20-30 Oct 2023	15-20 March.2024	421	18
Groundnut	Kharif-24	Irrigated	Sandy Loam	L	L	M	Wheat	10-15 July 2024	20-25 Oct.2024	421	18
Sesamum	Kharif-24	Irrigated	Sandy Loam	L	L	M	Wheat	19-26 July	20-25 Oct, 2024	421	18

								2024			
Toria	Rabi-24-25	Irrigated	Sandy Loam	L	L	M	Paddy	28 sept to 02-Oct. 2024	Result Awaited		
Mustard	Rabi-24-25	Irrigated	Sandy Loam	L	L	M	Paddy	15-28 Oct. 2024	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	Use of Sulphur in oilseeds crops increased yield and oil content	Use of Sulphur in oilseeds crops needs promotion
2	Use of Sulphur WP increased yield in pulses	Use of Sulphur WP in pulses needs promotion

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	Use of Bentonite sulphur as basal dose and Sulphur WP in standing crop before flowering is beneficial increased oil content
2	Sulphur provides resistance to various leaf spot and blight diseases in pulses
3	Use of Trichoderma provided resistance to wilt . root rot in groundnut and Lentil

Sl.No.	**Activity**	**No. of activities organized**	**Date**	**Number of participants**	**Remarks**
1	Field days	09	Jan. to Dec.,2024	125	-
2	Farmers Training	09	Jan.to Dec..2024	125	-
3	Media coverage	22	Jan.to Dec..2024	Mass	-
4	Training for extension functionaries	02	Jan.to Dec..2024	28	-

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Variety	Name of Technology	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. etc as approved in the action plan)	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												
						High	Low	Average			High	Low	Average	Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Groundnut	GJG-22	HYV Seed @100 kg/ha, Bentonite sulphur@12.5kg/ha, Mancozeb +Carbendazim@1.25kg/ha, Chlorpyriphos 50%@2.5l /ha, Trichoderma@5kg/ha	50	20	No.of pods/Plant Grains/pod	16 03	12 02	13 03	11 02	18.18 50	13.5	9.5	10.7	8.5	25.88	36700	69550	32850	1.89	32600	55250	22650	1.69
Sesamum																							
	GJT-05	HYV GJT-05 @ Seed 5 kg/ha, Bentonite sulphur 90 % @12.5kg/ha, Mancozeb +Carbendazim@1.25kg/ha, Quinlalphos 50%@ 1.25 l /ha, Trichoderma@5kg/ha	25	10	No. of pods/branch	48	34	45	32	40.62	7.5	3.8	4.5	3.2	40.62	22650	36000	13350	1.58	18200	25600	7400	1.40
Mustard																							
Rabi 2023-24		HYV RH 749 @ 5kg/ha Bentonite Sulphur 90% @12.5 kg/ha, Mancozeb+Carbendazim@1.25kg/ha, Imidacloprid @0.25l/ha	50	20	No. of Siliqua/plant No. of seeds/ Siliqua	325 15	295 13	310 14	270 11	14.81 27.27	28.0	20.0	23.5	17.5	34.28	29500	105750	76250	3.58	26500	78750	52250	2.97
Rabi 2024-25	RH 761	HYV RH 761 @ 5kg/ha Bentonite Sulphur 90% @12.5 kg/ha, Mancozeb+Carbendazim@1.25kg/ha, Imidacloprid @0.25l/ha	80	200	Result awaited																		
Toria																							
Rabi 2024-25	PT-508	HYV PT-508 @ 5kg/ha Bentonite Sulphur 90% @12.5 kg/ha, Mancozeb+Carbendazim@1.25kg/ha, Imidacloprid @0.25l/ha	10	25	Result awaited																		

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

S. No	**Feed Back for researchers**	**Feedback for line department**
1	Use of Sulphur in oilseeds crops increased yield and oil content	Use of Sulphur in oilseeds crops increased yield and oil content

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	Use of Bentonite sulphur as basal dose and Sulphur WP in standing crop before flowering is beneficial increased oil content

Frontline demonstration on pulse crops

Crop	Variety	Name of Technology	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										
Pigeonpea																							
Blackgram																							
Greengram																							
Chickpea																							
Fieldpea																							
Lentil	KLS-09	HYV KLS-0903@30kg/ha,Trichoderma@5kg/ha,Sulphur90%@12.5kg/ha,Imidacloprid17.8SL@0.25l/ha,Mancozeb+Carbendazim@1.25kg/ha	50	20	No. of pods/ plant No of seeds/pod	35 3	30 2	32 2.5	28 2.0	14.28 25	15.5	10.3	13.5	9.5	42.10	32750	87750	55000	2.67	28250	61750	33500	2.18
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	Use of Sulphur WP increased yield in pulses	Use of Sulphur WP increased yield in pulses
2	Lentil variety KLS-0903 perform resistant to wilt disease	Lentil variety KLS-0903 perform moderately resistant to wilt disease
3	Urd Variety IPU 13-01 found affected with mosaic disease under late sown plots	Urd Variety IPU 13-01 found affected with mosaic disease under late sown plots

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	Sulphur provides resistance to various leaf spot and blight diseases in pulses
2	Use of Trichoderma provided resistance to wilt . root rot in in Lentil

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)				r e a	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										
Cereals																								
Paddy																								
Paddy Kharif 2024	IPM Stem Borer	Cartap Hydrochloride 4G@25kg/ha and Cartap Hydrochloride 50SP @1kg/ha	PR-113	10	4.0	% Dead Hearts	3.5	1.5	2.8	14.8	81.08	57.3	56.4	56.77	49.57	14.52	47550	105025	57475	2.20	42200	86748	44548	2.05
Paddy Kharif 2024	IWM	Pretilachlor @500ml/ha	PR-113	20	8.0	Weeds /sq.m.	14	5	7	25	72.0	62.2	54.0	56.7	50.1	13.17	48150	104895	56745	2.17	47300	92685	45385	1.95
Paddy Kharif2024	IWM	Bispyrubic Sodium10%SC	PR-113	10	4.0	Weeds /sq.m.	6	3	4	15	73.33	61.7	53.2	57.5	49.6	15.92	47500	106375	58875	2.23	46245	91760	45515	1.98
Paddy Kharif 2024	INM	Zinc+ Sulphur	Basmati	10	4.0	Plant height cm.	102	94	101	93	8.60	51.5	46.2	48.7	38.7	25.83	47650	112010	64360	2.35	45350	89010	43660	1.96
Paddy Kharif2024	Varietal	Basmati	PB1847	10	2.0	Plant height cm.	96	94	93	89	4.49	56.2	52.0	54.2	43.3	25.17	47550	124660	77110	2.62	46050	99590	53540	2.16
Waterlogged Situation																								

Coarse Rice																								
Scented Rice																								
Rice Kharif 2023	INM	NPK-WS	PR-126	25	10.0	Plant height (in Cm.)	120	114	115	112.5	5.25	53.8	47.5	50.8	48.2	5.5	68785	115700	46915	1.64	63750	108400	44650	1.62
Wheat																								
Rabi 2023-24	Weed Control	Chlorinofop Propozyl 15% WP 0.8 kg/ha	HD 2967 DBW-187	20	8.0	Effective tillers / m^2	270	258	265	233	13.73	56.5	48.9	52.7	43.50	21.14	47150	121210	74060	2.57	46250	100050	53800	2.16
Wheat Rabi 2023-24	INM	NPK-WS	DBW-187	30	12.0	Plant height (in Cm.)	125	116	118	114	3.51	58.80	51.50	55.40	51.25	8.09	52700	122100	69400	2.31	49925	112750	63900	2.25
Wheat Rabi 2023-24	Varietal	HD-3298	HD-3298	10	2.5	Plant height (in Cm.)	93	72	83	79	5.06	45.5	39.0	42.25	38.5	9.74	48150	97175	49025	2.01	46850	88550	41700	1.89
Wheat Timely sown																								
Wheat Late Sown																								
Mandua																								
Barley																								
Maize																								
Amaranth																								

Millets																								
Jowar																								
Bajra																								
Barnyard millet																								
Finger millet																								
Vegetables																								
Bottlegourd																								
Bittergourd																								
Cowpea																								
Spongegourd																								
Petha																								
Tomato																								

Frenchbean																								
Capsicum																								
Chilli																								
Brinjal	ICM	Hybrid Variety seed Kashi Sandesh	Kashi Sandesh	05	1.0	Result Awaited																		
Vegetable pea																								
Softgourd																								
Okra																								
Colocasia (Arvi)																								
Broccoli																								
Cucumber																								

Onion	Intercroppi ng with sugar cane	Seed of Onion	Bhima Kiran	05	1.0	Weight of bulb (g)	90	40	68	62	9.67	152.1	144.2	152.14	132.9	14.47	45620	304280	258660	5.7	40620	225930	**185310**	**4.56**
Coriender																								
Lettuce																								
Cabbage																								
Cauliflowe r	ICM	Seed of pusa Cauliflower hybrid 101	pusa Cauliflo wer hybrid 101	05	1.0	Curd weight in gm	650	400	520	450	15.55	215	204.5	208.69	186.3 2	12.00	88000	939105	851105	9.67	70550	558960	488410	6.9
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																								
Potato **Rabi 2023-24**	IDM	Mancozeb 75% @ 2.5 kg/ha Mancozeb+ metalaxyl @1.25 kg/ha	Kufri-Pukhraj, Kufri Mohan	10	4.0	% incidence of late blight	1.9	1.3	1.6	7.5	78.66	365	325	**349.50**	**296.10**	**18.03**	**75500**	**314550**	**239050**	**4.16**	**72000**	**266490**	**194490**	**3.70**
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		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

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	Nutrition Management (Post calving anoestrous)	Mineral Mixture (50gm/animal/day for 40 days)	29	58	Nil worm infestation	70% worm infestation	30	7.55 Lit/day	6.9 Lit/day	225.5	292.5	67	1.29	217.5	259.5	42.0	1.19
	Disease Management (Post calving anoestrous)	Deworming (Fenbendazole + Ivermectin)	50	100	Nil worm infestation	90% worm infestation	10	Out of 50 animals which are treated with Fenbendazole + Ivermectin after parturition, total 42 animals comes in heat after AI animal gets conceived while 08 animals fails to conceive. Hence conception rate is 84 %.(Eighty four percent).									
Buffalo Calf	Disease Management (To control mortality)	Deworming (Fenbendazole + Ivermectin)	20	40	Nil worm infestation	100% worm infestation		Out of 20 Calves which are treated with Fenbendazole + Ivermectin after 15-18 days of age. Total 18 calves were found to be live while 02 calves died even after treatment. Hence Mortality rate is 10 %.(Ten percent).									
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	To develop such a dewormer drug having combination of two salts and record the effect of this drug on dry, milch and pregnant animals. To evaluate efficacy of de-wormer drugs and its impact on production & reproduction.	To make aware farmers to adopt deworming practices like time of deworming and interval of two consecutive deworming and its beneficial impact to improve production capacity of animals.
2	Prepare pregnancy safe de-wormer drug and evaluate the efficacy if these drugs.	To follow regular deworming schedule for animals as it improves the production and reproductive performance of animals, reduce mortality rate in calves and improve the growth rate.

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	Demonstrated technology (Use of Dewormer: Post calving anoestrous& mortality in buffalo calves) found effective.
2	Demonstrated technology (Use of Mineral Mixture: Post calving anoestrous & milk production) found very effective.

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		
4		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	
3	
4	

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 (Availability of vegetable in gram/person/day)**		**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)**
Nutrition Kitchen Gardening (Rabi 2023-2024)	House hold food security by Nutrition Kitchen Gardening	High Yielding variety of vegetable seeds	20	20	200.95	166.65	20.58	278.70	231.13	159400	295250	135850	1.85	146100	221090	74990	1.51
Nutrition Kitchen Gardening (Kharif 2024)	House hold food security by Nutrition Kitchen Gardening	High Yielding variety of vegetable seeds	10	10	215.9	178.5	20.95	255.19	213.4	188500	254650	66150	1.35	168950	213000	44050	1.25

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

S. No	**Feed Back for researchers**	**Feedback for line department**
1	Varieties of vegetable and fruits needed to be deloped suitable for kitchen garden	Nutrition kitchen garden vegetables seed kits and fruit saplings should be provided to farmers

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	Farmers should be encouraged to grow high yielding varieties of vegetable and fruits saplings

FLD on Demonstration details on crop hybrids *(Details of Hybrid FLDs implemented during* **2024***)*

Crop	Technology demonstrated	Hybrid Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average						
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)		

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.)

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					
2					
3					

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									
2									
3									

5) Natural Farming Nodal officer & Associate Name

S.No.	Name of KVK	Name of Head/SMS	Discipline/Subject	Mobile No.
1.	Shahjahanpur	**Dr. Narendra Prasad**	**Prof. Agri. Extension**	**9450416956**

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)

4) Details of Agri-Drone demonstration

Name of KVK	Season	Crop	Area covered under demonstration (ha)	Name of inputs used for demonstration	Dose/Rate of input used					Economics			
						Crop growth		Yield (q/ha)		Gross cost (Rs/ha)		Gross return (Rs/ha)	
						Demo	Control	Demo plot	Control plot	Demo	Check	Demo	Check

5. Detailed information on Agri-Drone Didi in your district

Name of KVK	Name of Dron Didi	Year since she started this work	Crops covered (name)	Crop wise Area (Acre covered)	Crop wise farmers (Nos.) covered	Income generated (Rs/year)	Address of Drone Didi with mobile number

V. DAMU Project

V. DAMU Project

PROJECT DETAILS

1. Title of the Project **:** Gramin Krishi Mausam Sewa (GKMS)

2. Sanction letter **:** ATARI/DAMU/2018-19

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

DAMU Name **:** District Agro Meteorology Unit, Shahjahanpur.

District **:** Shahjahanpur

ATARI Zone **:** Zone III, Kanpur

Year of start of AAS at DAMU **:** 2020

Name of Blocks **:** Banda, Bhawal Khera, Dadrol, Jaitipur, Jalalabad, Kalan, Kanth, Khudaganj Katra, Khutar, Madnapur, Mirzapur, Nigohi, Powayan, Sindhauli, Tilhar **(15 Blocks).**

4. 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	Dr. Shantanu Kumar Dubey	Nandini 7B, Kanha Shyam Residency, Mukharji Vihar, Indira nagar, Kanpur	9936209925, 9651420137	shantanu.kumar@icar.gov.in skumar710@gmail.com
Head of KVK	Dr. N.C Tripathi	Krishi vigyan Kendra, Shahjahanpur	9027805571	shahjahanpurkvk@gmail.com
Project Coordinator (PC)	Dr Mahesh Kr	Krishi vigyan Kendra, Shahjahanpur	63943189191	mkrao477@gmail.com
SMS	Vaccant	-	-	-

5. Date of start of Agromet Advisory Bulletins: 03-04-2020

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

(i) Air Station : Lucknow (200 Km.)

(ii) TV Station : Lucknow (198 Km.)

(iii) Railway Station: Shahjahanpur Junction (7.0 Km.)

7. Status of Agro-AWS

7.1 Date of installation of AWS : **10 August 2021**

7.2 List of instruments presently available in working condition: **Temaperature Humidity Sensor, Ultrasonic Wind Sensor, Rain Gauge Sensor, Soil Sensor, Sunshine Duration Sensor, Solar Pannel , Battery , AWS System, Data Logger.**

7.3 Instruments to be replaced/repaired indicating type of defect: **No**

7.4 Please provide frequency of observation, exposure conditions of the site etc. **Not Available**

7.6 Number of years of data records available: **From 10 August 2021 to till now**

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) : **Yes**

7.9 Details of soil moisture observations taken, if any (please provide frequency and depths of observation etc.) -**Instrument not purchased due to insufficient balance.**

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? : **Every Tuesday and Friday**

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

S. No.	Advisory Name	Number of Advisories
1.	District	356
2.	Blocks	356×15 = 5340
Total		**5696**

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

S. No.	Advisory Name	Number of Advisories
1.	District	356
2.	Blocks	356×15 = 5340
Total		**5696**

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

Through Whatsapp groups, Facebook, Newspaper, SMS and Direct Contact etc.

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

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).

FAP/Farmers meet / Meghdoot Popularization activities					
Month	Date	Title	Organization	Place	No. of Participants
January	09.01.24	Introduction of Gramin Krishi Mausam Sewa, Meghdoot mobile app popularization and Management of Rabi crops based on Weather	KVK	**Village-Bilahara, Block- Tilhar**	**30**
January	11.01.24	Farmers training regarding Management of Rabi crops based on Weather	KVK	**Village-Chahkanahu , Block-Sindhauli**	**30**
January	**18.01.24**	Farmers training regarding Management of Rabi crops based on Weather	KVK	**Village-Udara, Block- Nigohi**	**30**
January	**29.01.24**	Introduction of Gramin Krishi Mausam Sewa, Meghdoot mobile app popularization	KVK	**Village-Nabipur, Block- Nigohi**	**30**
January	**12.01.24**	Kisan Ghosthi under DAMU project	KVK	**Village-Pasiani, Block-Bhawalkhera**	**100**
TOTAL					220

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: **Horticulture Department of Shahjahanpur, Agriculture Department of Shahjahanpur, Soil Department of Shahjahanpur , Soil Conservation Department of Shahjahanpur.**

9. Verification results of District and Block level weather forecast: Not Available

10. Economic impact of Agromet advisory services:

- Under GKMS, farmers started weather tuned farming and optimum use of inputs and different farm operations well in time through AAS in a particular agro-climatic zone.
- Due to judicious and timely utilization of inputs, production cost for the AAS farmers reduces.
- The increased yield level and reduced cost of cultivation led to increase of net returns.
- AAS based on weather forewarning has also significant impact on farmer's income.

11. Mobile APP based Agromet advisory services for farmers: Meghdoot Mobile App

12. Feedback from progressive farmers:

We have received good farmers' feedback about the application of Agromet Advisory Bulletin, based on current and forecasted weather, which is useful for enhancing their production and income. They accepted that yield were increase in different crops *i.e*. paddy, pigeonpea, wheat, chickpea, mustard, vegetables, flowers etc. through technical guidance on all cultivation aspects, especially selection of varieties, timely application of fertilizers , pesticides, input and post harvest management saving in terms of water, manpower, electricity and fuel through proper irrigation scheduling.

VI. 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	Weed management in Zaid Pulses	01	17	0	17	03	0	03	20	0	20
Resource Conservation Technologies											
Cropping Systems	Direct seeded rice	01	16	0	16	04	0	04	20	0	20
Crop Diversification											
Integrated Farming											
Micro Irrigation/irrigation	Water managements in Rabi Crops	01	18	0	18	02	0	0	20	0	20
Seed production											
Nursery management											
Integrated Crop Management	Rabi Pulse Production	01	18	0	18	02	0	02	20	0	20
Soil & water conservatioin											
Integrated nutrient management											
Production of organic inputs											
Others (pl specify)											
Total											
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops											
Off-season vegetables											
Nursery raising	Nursery management of vegetables	01	18	0	18	02	0	02	20	0	20
Exotic vegetables											
Export potential vegetables											
Grading and standardization											
Protective cultivation	Protective cultivation of vegetable in polyhouse /low-tunnel	01	18	0	18	02	0	02	20	0	20
Others (pl specify)											
Total (a)		**02**	**36**	**0**	**36**	**04**	**0**	**04**	**40**	**0**	**40**
b) Fruits											
Training and Pruning											
Layout and Management of Orchards	Layout and planting techniques of new orchards	01	16	0	16	04	0	04	20	0	20
Cultivation of Fruit											
Management of young plants/orchards	Fertilizer management in mango orchards	01	19	0	19	01	0	01	20	0	20
Rejuvenation of old orchards											
Export potential fruits											
Micro irrigation systems of orchards	Micro irrigation systems of orchards	01	14	04	18	02	0	02	20	0	20
Plant propagation techniques											
Others (pl specify)											
Total (b)		**03**	**49**	**04**	**53**	**07**	**0**	**07**	**60**	**0**	**60**
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	Turmeric cultivation of mango orchard	01	19	0	19	1	0	1	20	0	20
Processing and value addition											
Others (pl specify)											
Total (f)		**01**	**19**	**0**	**19**	**1**	**0**	**1**	**20**	**0**	**20**
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
Others (pl specify)											
Total (g)											
GT (a-g)		**06**	**104**	**04**	**108**	**12**	**0**	**12**	**120**	**0**	**120**
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	Calf feeding & health	01	18	0	18	02	0	02	20	0	20

	Management										
Poultry Management											
Piggery Management											
Rabbit Management											
Animal Nutrition Management											
Disease Management	FMD, RP,PPR Prevention & control	01	19	0	19	01	0	01	20	0	20
	BQ, HS, TRP; Prevention & control	01	16	0	16	04	0	04	20	0	20
	External Parasites, Zoonotic disease; prevention & control	01	14	0	14	06	0	06	20	0	20
	Abortion in buffalo & cattle, reasons and cure	01	19	0	19	01	0	01	20	0	20
	Metabolic Diseases; Prevention & control	01	18	0	18	02	0	02	20	0	20
Feed & fodder technology											
Production of quality animal products	Animal reproductive cycle; symptoms of heat, ,method of heat detection & Artificial Insemination	01	20	0	20	0	0	0	20	0	20
Others (pl specify)											
Total		07	124	0	124	16	0	16	140	0	140
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening											
Design and development of low/minimum cost diet	Design & development of low cost balanced diet using locally available food Materials	01	0	20	20	0	0	0	0	20	20
Designing and development for high nutrient efficiency diet											
Minimization of nutrient loss in processing											
Processing and cooking											
Gender mainstreaming through SHGs											
Storage loss minimization techniques	Minimization of nutrient loss during Fruit & Vegetable Processing	01	0	18	18	0	02	02	0	20	20
Value addition	Value addition of mango	01	0	17	17	0	03	03	0	20	20
	Value addition of Aonla	01	0	20	20	0	0	0	0	20	20
	Home Scale Soyabean Processing	01	0	19	19	0	01	01	0	20	20
Women empowerment											
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care											
Others (pl specify)											
Total		**05**	**0**	**94**	**94**	**0**	**06**	**06**	**0**	**100**	**100**
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	IPM in Zaid Pulses	01	15	00	15	05	00	05	20	00	20
	IPM in Kharif Pulses	01	20	00	20	00	00	00	20	00	20
	IPM in G, Nut and Til	01	15	00	15	05	00	05	20	00	20
	IPM in Potato	01	14	00	14	06	00	06	20	00	20
Integrated Disease Management	IDM in Paddy	01	18	00	18	02	00	02	20	00	20
Bio-control of pests and diseases	Bio-Control of major diseases of Gram and Lentil	01	20	00	20	00	00	00	20	00	20
Production of bio control agents and bio pesticides											
Others (pl specify)											
Total		**06**	**102**	**0**	**102**	**18**	**0**	**18**	**120**	**0**	**120**
VIII Fisheries											
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing											
Composite fish culture											
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
Others (pl specify)											
Total											
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)	Technology of Natural Farming and Organic Farming	03	54	-	54	06	-	06	60	-	60
	Technology of CRM	01	18	-	18	02	-	02	20	-	20
	Application and Important of Water Soluble Fertilizer	01	17	-	17	03	-	03	20	-	20
Total		**05**	**89**	**0**	**89**	**11**	**0**	**11**	**100**	**0**	**100**
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total											
GRAND TOTAL		**33**	**488**	**98**	**586**	**168**	**06**	**174**	**560**	**100**	**660**

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	Integrated weed Management	01	15	0	15	05	0	05	20	0	20
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification											
Integrated Farming											
Micro Irrigation/irrigation	Water management in kharif pulses	01	13	0	13	07	0	07	20	0	20
Seed production											
Nursery management											
Integrated Crop Management	Production technology of Autumn sugarcane &	01	17	0	17	03	0	03	20	0	20

	intercropping										
Soil & water conservatioin											
Integrated nutrient management	Foliar application of soluble fertilizer in Rabi Oilseed & pulses	01	16	0	16	04	0	04	20	0	20
	Foliar application of soluble fertilizer in crop production	01	17	0	17	03	0	03	20	0	20
Production of organic inputs											
Others (pl specify)	Residue management in wheat	02	36	0	36	04	0	04	40	0	40
	Residue management in paddy	01	17	0	17	03	0	03	20	0	20
Total											
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops	Advance production technique of bottle gourd	01	17	0	17	03	0	03	20	0	20
	Advance production technique of garden pea	01	20	0	20	0	0	0	20	0	20
Off-season vegetables											
Nursery raising											
Exotic vegetables											
Export potential vegetables											
Grading and standardization											
Protective cultivation	Protective cultivation of vegetable in polyhouse	01	15	0	15	05	0	05	20	0	20
Others (pl specify)											
Total (a)		**03**	**52**	**0**	**52**	**08**	**0**	**08**	**60**	**0**	**60**
b) Fruits											
Training and Pruning											
Layout and Management of Orchards											
Cultivation of Fruit	Advance production technique of papaya	01	20	0	20	0	0	0	20	0	20
	Production technology of minor fruit crops	01	20	0	20	0	0	0	20	0	20
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)		**02**	**40**	**0**	**40**	**0**	**0**	**0**	**40**	**0**	**40**
c) Ornamental Plants											
Nursery Management	Nursery management of ornamental plants	01	20	0	20	0	0	0	20	0	20
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of											

Ornamental Plants											
Others (pl specify)											
Total (c)		**01**	**20**	**0**	**20**	**0**	**0**	**0**	**20**	**0**	**20**
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	Advance cultivation technique of turmeric and ginger	01	20	0	20	0	0	0	20	0	20
Processing and value addition											
Others (pl specify)											
Total (f)		**01**	**20**	**0**	**20**	**0**	**0**	**0**	**20**	**0**	**20**
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition	Processing and value addition of medicinal crops	01	18	0	18	02	0	02	20	0	20
Others (pl specify)											
Total (g)		**01**	**18**	**0**	**18**	**02**	**0**	**02**	**20**	**0**	**20**
GT (a-g)		**08**	**150**	**0**	**150**	**10**	**0**	**10**	**160**	**0**	**160**
III Soil Health and Fertility Management											
Soil fertility management		04	70	-	70	10	-	10	70	-	70
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											
Poultry Management	Scientific Broiler Production	01	20	0	20	0	0	0	20	0	20
Piggery Management											
Rabbit Management											
Animal Nutrition Management	Role of mineral mixture in reproduction of livestock	01	17	0	17	03	0	03	20	0	20
	Treatment techniques to	01	20	0	20	0	0	0	20	0	20

	improve nutritive value & digestibility of wheat and paddy straw										
Disease Management	Vaccination schedule of Livestock& importance of vaccination	01	20.	0	20	0	0	0	20	0	20
	Zoonotic diseases and its importance prevention & control	01	20	0	20	0	0	0	20	0	20
	Impact of mastitis in small scale dairy production and its prevention &control	01	20	0	20	0	0	0	20	0	20
Feed & fodder technology											
Production of quality animal products	Advantages of Artificial Insemination & Pregnancy diagnosis	01	20	0	20	0	0	0	20	0	20
	Care & management of dry and pregnant animals	01	20	0	20	0	0	0	20	0	20
Others (pl specify)											
Total											
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Household Food Security by Nutritional Kitchen Gardening	01	0	20	20	0	0	0	0	20	20
Design and development of low/minimum cost diet	Balanced diet for Pregnant & lactating Women	01	0	20	20	0	0	0	0	20	20
	Designing of Poshak Thali for Different Season	01	0	20	20	0	0	0	0	20	20
	Balanced Diet for Children using locally available Food Material	01	0	20	20	0	0	0	0	20	20
Designing and development for high nutrient efficiency diet	Fortification of wheat flour with processed Soy Dal	01	0	20	20	0	0	0	0	20	20
	Fortification of wheat flour with Other grains & Pulses	01	0	20	20	0	0	0	0	20	20
Minimization of nutrient loss in processing	Minimization of nutrient loss during fruit & Vegetable Processing	01	0	18	18	0	02	02	0	20	20
Processing and cooking											
Gender mainstreaming											

through SHGs											
Storage loss minimization techniques	Safe Grain Storage Techniques	01	0	20	20	0	0	0	0	20	20
Value addition	Value addition of Mango	01	20	20	0	0	0	0	20	20	20
Women empowerment											
Location specific drudgery reduction technologies	Drudgery reducing Farm implements suitable for women	01	0	20	20	0	0	0	0	20	20
Rural Crafts											
Women and child care											
Others (pl specify)	Fortified Varieties of grains, pulses,& Vegetables	01	0	03	03	0	17	17	0	20	20
Total											
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	IPM in Kharif Pulses	01	20	00	20	00	00	00	20	00	20
	IPM in Paddy	01	20	00	20	00	00	00	20	00	20
	IPM in Sugarcane	01	20	00	20	00	00	00	20	00	20
Integrated Disease Management	Integrated Disease Management in Sugarcane	01	20	00	20	00	00	00	20	00	20
	Integrated Disease Management in G,Nut and Til	01	02	00	02	18	00	18	20	00	20
	Management of Sheath Blight in Paddy	01	19	00	19	01	00	01	20	00	20
Bio-control of pests and diseases	Bio-Control of Pod Borer in Gram	01	18	00	18	02	00	02	20	00	20
Production of bio control agents and bio pesticides											
Others (pl specify)											
Total											
VIII Fisheries											
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing											
Composite fish culture											
Hatchery management and											

culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
Others (pl specify)											
Total											
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production		01	18	-	18	02	-	02	20	-	20
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)	Technology of Natural Farming and Organic Farming	02	36	-	36	04	-	04	40	-	40
	Technology of CRM	02	35	-	35	05	-	05	40	-	40
Total											
X Capacity Building and Group Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs/ FPO		02	55	-	55	05	-	05	60	-	60
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
Others (pl specify)											
Total											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total											
GRAND TOTAL		**54**	**771**	**201**	**972**	**89**	**19**	**108**	**860**	**220**	**1080**

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 Zaid Pulses	01	17	0	17	03	0	03	20	0	20

	Integrated weed Management	01	15	0	15	05	0	05	20	0	20
Resource Conservation Technologies											
Cropping Systems	Direct seeded rice	01	16	0	16	04	0	04	20	0	20
Crop Diversification											
Integrated Farming											
Micro Irrigation/irrigation	Water management in kharif pulses	01	13	0	13	07	0	07	20	0	20
	Water management in RabiCrops	01	18	0	18	02	0	02	20	0	20
Seed production											
Nursery management											
Integrated Crop Management	Production technology of aautumn sugarcane and intercropping	01	17	0	17	03	0	03	20	0	20
	Rabi pulse production	01	18	0	18	02	0	02	20	0	20
Soil & water conservatioin											
Integrated nutrient management	Foliar application of soluble fertilizer in Rabi oil seed & pulses	01	16	0	16	04	0	04	20	0	20
	Foliar application of soluble fertilizer in crop production	01	17	0	17	03	0	03	20	0	20
Production of organic inputs											
Others (pl specify)	Residue management in paddy	01	17	0	17	03	0	03	20	0	20
	Residue management in wheat	02	36	0	36	04	0	04	20	0	20
Total		**12**	**200**	**0**	**200**	**40**	**0**	**40**	**240**	**0**	**240**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops	Advance production technique of bottle gourd	01	17	0	17	03	0	03	20	0	20
	Advance production technique of garden pea	01	20	0	20	0	0	0	20	0	20
Off-season vegetables											
Nursery raising	Nursery management of vegetables	01	18	0	18	02	0	02	20	0	20
Exotic vegetables											
Export potential vegetables											
Grading and standardization											
Protective cultivation	Protective cultivation of vegetable in polyhouse /low-tunnel	02	33	0	33	07	0	07	40	0	40
Others (pl specify)											
Total (a)		**05**	**88**	**0**	**88**	**12**	**0**	**12**	**100**	**0**	**100**
b) Fruits											
Training and Pruning											
Layout and Management of Orchards	Layout and planting	01	16	0	16	04	0	04	20	0	20

	techniques of new orchards										
Cultivation of Fruit	Advance production technique of papaya	01	20	0	20	0	0	0	20	0	20
	Production technology of minor fruit crops	01	20	0	20	0	0	0	20	0	20
Management of young plants/orchards	Fertilizer management in mango orchards	01	19	0	19	01	0	01	20	0	20
Rejuvenation of old orchards											
Export potential fruits											
Micro irrigation systems of orchards	Micro irrigation systems of orchards	01	14	04	18	02	0	02	20	0	20
Plant propagation techniques											
Others (pl specify)											
Total (b)		**05**	**89**	**04**	**93**	**07**	**0**	**07**	**100**	**0**	**100**
c) Ornamental Plants											
Nursery Management	Nursery management of ornamental plants	01	20	0	20	0	0	0	20	0	20
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others (pl specify)											
Total (c)		**01**	**20**	**0**	**20**	**0**	**0**	**0**	**20**	**0**	**20**
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	Advance cultivation technique of turmeric and ginger	01	20	0	20	0	0	0	20	0	20
	Turmeric cultivation of mango orchard	01	19	0	19	1	0	1	20	0	20
Processing and value addition											
Others (pl specify)											
Total (f)		**02**	**39**	**0**	**39**	**01**	**0**	**01**	**40**	**0**	**40**
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition	Processing and value addition of medicinal crops	01	18	0	18	02	0	02	20	0	20
Others (pl specify)											
Total (g)		**01**	**18**	**0**	**18**	**02**	**0**	**02**	**20**	**0**	**20**
GT (a-g)		**14**	**254**	**04**	**258**	**22**	**0**	**22**	**280**	**0**	**280**
III Soil Health and Fertility		04	70	-	70	10	-	10	80	-	80

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	Calf feeding & health management	01	18	0	18	02	0	02	20	0	20
Poultry Management	Scientific broiler production	01	20	0	20	0	0	0	20	0	20
Piggery Management											
Rabbit Management											
Animal Nutrition Management	Role of mineral mixture in animal reproduction	01	17	0	17	03	0	03	20	0	20
	Treatment technique to improve nutritive value & digestibility of wheat and Paddy straw	01	20	0	20	0	0	0	20	0	20
Disease Management	Vaccination schedule of Livestock& importance of vaccination	01	20.	0	20	0	0	0	20	0	20
	Zoonotic diseases and its importance prevention & control	01	20	0	20	0	0	0	20	0	20
	Impact of mastitis in small scale dairy production and its prevention &control	01	20	0	20	0	0	0	20	0	20
	FMD, RP,PPR Prevention & control	01	19	0	19	01	0	01	20	0	20
	BQ, HS, TRP; Prevention & control	01	16	0	16	04	0	04	20	0	20
	External Parasites, Zoonotic disease; prevention & control	01	14	0	14	06	0	06	20	0	20
	Abortion in buffalo & cattle, reasons and cure	01	19	0	19	01	0	01	20	0	20
	Metabolic	01	18	0	18	02	0	02	20	0	20

	diseases; prevention & control										
Feed & fodder technology											
Production of quality animal products	Advantages of Artificial Insemination & Pregnancy diagnosis	01	20	0	20	0	0	0	20	0	20
	Care & management of dry and pregnant animals	01	20	0	20	0	0	0	20	0	20
	Animal reproductive cycle; symptoms of heat, ,method of heat detection & Artificial Insemination	01	20	0	20	0	0	0	20	0	20
Others (pl specify)											
Total		**15**	**281**	**0**	**281**	**19**	**0**	**19**	**300**	**0**	**300**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Household Food Security by Nutritional Kitchen Gardening	01	0	20	20	0	0	0	0	20	20
Design and development of low/minimum cost diet	Balanced diet for Pregnant & lactating Women	01	0	20	20	0	0	0	0	20	20
	Design & development of low cost Balanced diet for locally available food materials	01	0	20	20	0	0	0	0	20	20
	Designing of Poshak Thali for Different Season	01	0	20	20	0	0	0	0	20	20
	Balanced Diet for Children using locally available Food Material	01	0	20	20	0	0	0	0	20	20
Designing and development for high nutrient efficiency diet	Fortification of wheat flour with processed Soy Dal	01	0	20	20	0	0	0	0	20	20
	Fortification of wheat flour with Other grains & Pulses	01	0	20	20	0	0	0	0	20	20
Minimization of nutrient loss in processing	Minimization of nutrient loss during fruit & Vegetable Processing	01	0	18	18	0	02	02	0	20	20
Processing and cooking											
Gender mainstreaming through SHGs											
Storage loss minimization techniques	Safe Grain Storage Techniques	01	0	20	20	0	0	0	0	20	20
Value addition	Value addition of Mango	02	0	37	37	0	0	03	0	40	40
	Value addition of	01	0	20	20	0	0	0	0	20	20

	Aonla										
	Home scale Soybean Processing	01	0	19	19	0	01	01	0	20	20
Women empowerment											
Location specific drudgery reduction technologies	Drudgery reducing Farm implements suitable for women	01	0	20	20	0	0	0	0	20	20
Rural Crafts											
Women and child care											
Others (pl specify)	Fortified Varieties of grains, pulses,& Vegetables	01	0	03	03	0	17	17	0	20	20
Total		**16**	**0**	**295**	**295**	**0**	**25**	**25**	**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	IPM in Zaid Pulses	01	15	00	15	05	00	05	20	00	20
	IPM in Kharif Pulses	02	40	00	40	00	00	00	40	00	40
	IPM in G.Nut and Til	01	15	00	15	05	00	05	20	00	20
	IPM in Potato	01	14	00	14	06	00	06	20	00	20
	IPM in Paddy	01	20	00	20	00	00	00	20	00	20
	IPM in Sugarcane	01	20	00	20	00	00	00	20	00	20
Integrated Disease Management	IDM in Paddy	01	18	00	18	02	00	02	20	00	20
	IDM in G.Nut and Til	01	02	00	02	18	00	18	20	00	20
	Management of Sheath Blight in Paddy	01	20	00	20	00	00	00	20	00	20
	IDM in Sugarcane	01	19	00	19	01	00	01	20	00	20
Bio-control of pests and diseases	Bio-Control of major diseases of Gram and Lentil	01	20	00	20	00	00	00	20	00	20
	Bio-Control of Pod Borer in Gram	01	18	00	18	02	00	02	20	00	20
Production of bio control agents and bio pesticides											
Others (pl specify)		13	221	0	221	39	0	39	260	0	260
Total											
VIII Fisheries											
Integrated fish farming											
Carp breeding and hatchery management											

Carp fry and fingerling rearing											
Composite fish culture											
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
Others (pl specify)											
Total											
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production		01	18	-	18	02	-	02	20	-	20
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)	Natural and Organic Faming	05	89	-	89	11	-	11	100	-	100
	Technology of CRM	03	54	-	54	06	-	06	60	-	60
	Application and Important Water Soluble Fertilizer	01	17	-	17	03	-	03	20	-	20
Total		**10**	**178**	**0**	**178**	**22**	**0**	**22**	**100**	**0**	**100**
X Capacity Building and Group Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs		03	55	0	55	05	0	05	60	0	60
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
Others (pl specify)											
Total											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total		03	55	0	55	05	0	05	60	0	60
GRAND TOTAL		87	1259	299	1558	257	25	282	1420	320	1740

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	Nursery Management of vegetables	01	06	0	06	04	0	04	10	0	10
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	Mushroom Production Technology	01	08	00	08	02	00	02	10	00	10
Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching	Tailoring	01	0	09	09	0	01	01	0	10	10
Rural Crafts	Rakhi & Bracelet Making	01	0	24	24	0	01	01	0	25	25
	Hand Printing on fabrics	01	0	09	09	0	01	01	0	10	10
Production of quality animal products											
Dairying											
Sheep and goat rearing	Organized goat rearing & management	01	14	0	14	06	0	06	20	0	20
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		06	28	42	70	12	03	15	40	45	85

Training for Rural Youths 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
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											

Training for Rural Youths 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
Nursery Management of Horticulture crops	Nursery Management of vegetables	01	06	0	06	04	0	04	10	0	10
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	Mushroom Production Technology	01	08	00	08	02	00	02	10	00	10
Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching	Tailoring	01	0	09	09	0	01	01	0	10	10
Rural Crafts	Rakhi & Bracelet Making	01	0	24	24	0	01	01	0	25	25
	Hand Printing on fabrics	01	0	09	09	0	01	01	0	10	10
Production of quality animal products											
Dairying											
Sheep and goat rearing	Organized goat rearing & management	01	14	0	14	06	0	06	20	0	20
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		06	28	42	70	12	03	15	40	45	85

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											
Integrated Pest Management	Integrated disease and pests management in Paddy	01	30	00	30	00	00	00	30	0	30
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology	Multilayer vegetables cultivation	01	24	0	24	06	0	06	30	0	30
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											
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	Methods of drying of animals in advance pregnancy	01	26	0	26	04	0	04	30	0	30
	Advantages of sex sorted semen	01	27	0	27	03	0	03	30	0	30
Livestock feed and fodder production											
Household food security											
Any other (pl.specify)	Layout and planting techniques of new orchards	01	22	0	20	08	0	08	30	0	30
TOTAL		**05**	**129**	**0**	**129**	**21**	**0**	**21**	**150**	**0**	**150**

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	Production technology of Toria & Mustard	01	24	0	24	06	0	06	30	0	30
	Weed management in sugarcane crops	01	24	0	24	06	0	06	30	0	30
	Water management in rabi crops	01	26	0	26	04	0	04	30	0	30
Integrated Pest Management											
Integrated Nutrient management	Foliar application of soluble fertilizer in kharif crops	01	25	0	25	05	0	05	30	0	30
Rejuvenation of old orchards											
Protected cultivation technology	Protected cultivation of vegetables in polyhouse/low-tunnel	01	25	0	25	05	0	05	30	0	30
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	Nutritional Deficiency diseases in Children	01	0	25	25	0	05	05	0	30	30
Low cost and nutrient efficient diet designing	Importance of Coarse Grains in diet	01	0	26	26	0	04	04	0	30	30
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals											
Livestock feed and fodder production											
Household food security	Houuusehold Food Security by Nutrition Kitchen Gardening	01	0	23	23	0	07	07	0	30	30
Any other (pl.specify)											
TOTAL		08	124	74	198	26	16	42	150	90	240

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	Production technology of Toria & Mustard	01	24	0	24	06	0	06	30	0	30
	Weed management in sugarcane crops	01	24	0	24	06	0	06	30	0	30
	Water management in rabi crops	01	26	0	26	04	0	04	30	0	30
Integrated Pest Management	Integrated disease and pests management in Paddy	01	30	00	30	00	00	00	30	00	30
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology	Protected cultivation of vegetables in polyhouse/low-tunnel	02	49	0	49	11	0	11	60	0	60
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	Nutritional Deficiency diseases in Children	0	0	25	25	0	05	05	0	30	30
Low cost and nutrient efficient diet designing	Importance of Coarse Grains in diet	0	0	26	26	0	04	04	0	30	30
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals	Methods of drying of animals in advance pregnancy	01	26	0	26	04	0	04	30	0	30
	Advantages of sex sorted semen	01	27	0	27	03	0	03	30	0	30
Livestock feed and fodder production											
Household food security	Houuusehold Food Security by Nutrition Kitchen Gardening	0	0	23	23	0	07	07	0	30	30
Any other (pl.specify)	Layout and planting techniques of new orchards	01	22	0	20	08	0	08	30	0	30
TOTAL		13	253	74	327	47	16	63	300	90	390

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											
Capacity Building and Group Dynamics											
Others (pl. specify)											
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											

VII. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	85	950	45	995
Diagnostic visits	42	210	50	260
Field Day	6	180	22	202
Group discussions	03	80	08	88
Kisan Ghosthi	19	2165	35	2200
Film Show	-	-	-	-
Self -help groups	22	510	38	548
Kisan Mela	04	1706	85	1791
Exhibition	04	1250	52	1302
Scientists' visit to farmers field	271	970	49	1019
Plant/animal health camps	-	-	-	-
Farm Science Club	-	-	-	-
Ex-trainees Sammelan	-	-	-	-
Farmers' seminar/workshop	01	110	06	116
Method Demonstrations	-	-	-	-
Celebration of important days	10	1065	37	1102
Special day celebration	03	310	08	318
Exposure visits	02	110	08	118
Others (pl. specify)	18	321	12	338
Total	**470**	**9945**	**455**	**10418**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	-
Extension Literature	16
News paper coverage	118
Popular articles	12
Radio Talks	05
TV Talks	08
Animal health amps (Number of animals treated)	-
Others (pl. specify)	02
Total	**161**

Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
KVK ,Shahjahanpur	Text only	75	44	5696				5815
	Voice only							
	Voice & Text both	75	44	5696				5915
	Total Messages	**75**	**44**	**5696**				**5915**
	Total farmers Benefitted	**75**	**258**	**5696**				**5915**

VIII. 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	10	310	Crop/Livestock
	Lectures organised			
	Exhibition			
	Film show			
	Fair			
	Farm Visit	12	38	
	Diagnostic Practicals			
	Distribution of Literature (No.)	330	-	Millets and CRM
	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		348	

IX. 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	DBW-187		120.00	247000	
	Paddy	PR-126		40.60	-	
Oilseeds						
Pulses						
Commercial crops						
Vegetables						
Flower crops						

Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others						
Total						

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	Bottle gourd	KashiGanga		815	2445	32
	Pumpkin	Kashi Harit		645	1935	28
	Cucumber	Kashi Nutan		422	1266	30
	Sponge gourd	Kashi Shreya/Shivani		555	1665	35
	Tomato			16020	15520	42
	Chilli	Kashi Anmol, Hybride No. 78		16520	15770	45
	Brinjal	Kashi Sandesh/Uttam		15520	15270	40
	Cauliflower	Pusa Ashwani/Pusa cauliflower Hybride 101		4000	2000	35
	Total			**54497**	**55871**	287
Fruits						
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
Total						

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	No. of Farmers
Bio Fertilisers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others	Vermi compost	1800	-	Used in KVK Farm
	NADEP compost	6400	-	Used in KVK Farm
Total				

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				

X. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

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

XI. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted	Date of SAC

XII. NEWSLETTER/MAGAZINE

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

XIII. PUBLICATIONS

Category	Number
Books	-
Technical bulletins	-
Research Paper	01
Lead Papers	-
Book Chapters	-

Popular Articles	-
Newsletters	-
Technical reports	08
Others (pl. specify)- Award Report	04

XIV. 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.)**

XV. 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**	**Number of**

		(ha)	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												

XVI. 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 ATARI

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

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

Scientific Broiler Farming:

Situation analysis/ Problem statements:- Mr. Shivam Kumar S/o Dharmender Singh, village- Madhwamai, Post- Ghusgaw , Block- Dadrol, District- Shahjahanpur, a farmer who was selected for this demonstration. He was earlier involved in poultry farming but specially in laying birds for egg production. He had reared local breed Rhode Island Red. But due to disease outbreak most of the birds were died that lead to heavy economic losses.

Plan, Impliment and Support: - KVK Shahjahanpur tries to make him aware regarding the scientific broiler poultry farming. That starts from cleaning and hygienic conditions of the poultry house. KVK scientist has encouraged the farmer for scientific feeding, vaccination of birds, antibiotic feeding in feed or water which necessary to check the incidence of outbreak of diseases. Use various feed equipments for feeding and watering to the poultry birds and other implements required for cleaning and handling purpose. Weighing balance should be kept in poultry house to weigh the birds to know the growth rate and body weight gain of the birds.

Output:- The poultry outputs are all the products and byproducts that your poultry farm produces and you sell as a product. This includes chicks, manure (fertilizer), feathers (manufacture), spent hens (alternative meat source), and gunny bags (recycling to the construction industry).

Keep a constant eye on the prevailing market prices and consumer expectations.

Outcome: - Outcomes are an animal-based method of assessing factors that contribute to an animal's quality of welfare. Regularly scoring appropriate outcome measures can identify welfare problems and be used to set targets or benchmark for improvements through an active programme. Selection of the main measures recommended.

- Assess the walking ability of the flock: Poor walking ability indicates potential pain and behavioural restriction. Causes are multifactorial, but primary risk factors are high growth rate (breed) and poor environmental control.
- Record the number of birds dead or culled on farm and the major causes: Mortality is largely due to poor walking ability, metabolic disorders (e.g. ascities, cardiovascular distress), small birds or disease, and indicates pain, suffering and suboptimal performance.
- Record incidence and severity of foot pad dermatitis and hock burn of the flock: Wet litter, genetic susceptibility and micro-nutrient deficiencies are primary causes of foot pad dermatitis, which can be painful, lead to bacterial infection and affect walking ability. Fast growth rate strains are more susceptible to hock burn due to increased inactivity and contact with the litter
- Assess the level of dirt coverage on the feathers of individuals in the flock: Feather cleanliness is a positive indicator of environmental conditions in the house and indicates that birds are not spending excessive periods resting due to inactivity.
- Record incidence and severity of breast blisters: Breast blisters / skin irritation are caused by prolonged contact with wet and dirty litter; other factors including health, diet, and perch material also play a role. Since breast blisters can be more common in slower growing strains with a sharp keel, they should be closely monitored and managed through good husbandry and adequate environmental provisions.

- Behavioural signals (see below), movement patterns, flock distribution and space usage: : Broilers can spend more than 80% of their time lying inactive by 39 days, largely caused by physiological restrictions associated with fast growth and a non-stimulating environment. Low activity is associated with poor walking ability and indicates a lack of behavioural expression. Automated monitoring of optic flow movement and distribution provides an early warning system for flocks

with higher mortality, hockburn and poorer gait, and issues with feeders, drinkers, heating and ventilation.

Impact: - Mr. Shivam Kumar is becoming one of the progressive farmers for other with regards to popularization of broiler poultry farming. This farming helps him to increase his livelihood, empowerment and make him enthusiastic regards broiler production. He becomes a progressive farmer after joining the trainings that are conducted at KVK regarding organized poultry farming and as a part of KVK activities & improves their effectiveness and management technologies and set an example to other farmers of the districts of Shahjahanpur.

A farmer with KVK Scientist: Broiler Poultry Farming

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	-	**25**	**25**	**25**	-	-	-	-	-	-
Reversible M.B. Plough	-	**25**	**25**	**25**	-	-	-	-	-	-
Paddy Straw Chopper/ Shradder / Mulcher	-	**25**	**25**	**25**	-	-	-	-	-	-
Zero Till Drill / Super seeder	-	**25**	**25**	**25**	-	-	-	-	-	-
Rotavator	-	-	-	-	-	-	-	-	-	-
Tractor	-	-	-	-	-	-	-	-	-	-
Total	-	**100**	**100**	**100**	-	-	-	-	-	-

S.No.	Name of the Machine/ Equipment	No. of machines procured
1	Happy Seeder	03
2	Reversible M.B. Plough	03
3	Paddy Straw Chopper/ Shradder / Mulcher	06
4	Zero Till Drill	04
5	Rotavator	02
6	Tractor	01
	Total	**19**

b) IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities	No. of Participants
	Kisan Melas organized	-	-
1.	Awareness programmes conducted at Village Panchayat/ Block/ District Level	06	800
2.	Mobilization of schools and colleges through essay completion, painting, debate etc.	06	800
3.	Demonstration conducted (ha)	150	150
4.	Training Programmes conducted	02	50
5.	Exposure visits organized	02	100
6.	Field /harvest days organized	-	-
	Total	166	1900

b) Other IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities
1.	Advertisement in Print media	-
2.	Column / Articles in newspaper and magazines etc.	36
3.	Hoarding fixed (at Mandi/ Road side/Market/ Schools/ Petrol pump/ Panchayat etc.)	20
4.	Poster/Banner placed	50

5.	Publicity material - leaflets/ pamphlets etc. distributed	4000
6.	TV programmes/ panel discussions Doordarshan/ DD-Kisan and other private channels	-
7.	Wall writing	60
	Total	**4166**

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	Part icipa nts in exte	Pro duct ion of seed	Pro duct ion of	Pro duct ion of Live	Pro duct ion of fing	Test ing of Soil,

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

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						

11) 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	04	20
3	Garbage disposal	02	12
4	Door to door awareness	04	32
5	Awareness campaign	06	150
6	Nookkad Drama	-	-
7	School Drama	-	-
8	School rally	-	-
9	Writing paining slogans	-	-
10	Composting	04	-
11	Other	-	-

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 programme organised	
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
-	-	-	-	-

----------XXXXXXX----------