KRISHI VIGAYN KENDRA, Shahjahanpur
Midterm Progress Achievement Summary
(January December 2023)

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	96	1618	302	1920
Rural youths	13	94	104	198
Extension functionaries	13	282	90	372
Sponsored Training(FTT)	03	150	00	150
Vocational Training	-	-	-	-
Total	125	2144	496	2640

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	125	50.0	
Pulses	100	40.0	
Cereals	41	15.2	
Vegetables	35	8.0	
Other crops	-	-	-
Hybrid crops	-	-	-
Total	**301**	**113.2**	
Livestock & Fisheries	120	0.20	240 Animal
Other enterprises	40	0.20	20 Animal
Total	**160**	**0.40**	**260**
Grand Total	**461**	**113.6**	**260**

3. Technology Assessment & Refinement

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Technology Assessed			
Crops	04	17	17
Livestock	02	20	20
Various enterprises	01	05	05
Total	**07**	**42**	**42**
Technology Refined			
Crops	-	-	-
Livestock	-	-	-
Various enterprises	-	-	-
Total	-	-	-
Grand Total	**07**	**42**	**42**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	403	8446
Other extension activities	136	Mass
Total	**539**	**8446 + Mass**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
KVK, Shahjahanpur	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.
Seed (q)	271.12	600000 (Approx.)
Planting material (No.)	**17200**	-
Bio-Products (kg)	5500 kg	-
Livestock Production (No.)	10	3000.0
Fishery production (No.)	-	-

7. Soil, water & plant Analysis

Samples		No. of farmers	Value Rs.
Soil	0	**0**	**0**
Water	0	0	0
Plant	0	0	0
Total	**0**	**0**	**0**

8. HRD and Publications

Sr. No.	Category	Number	No. of participants
1	Workshops	**08**	08
2	Conferences	**03**	03
3	Meetings	26	32
4	Trainings for KVK officials	08	10
5	Visits of KVK officials	210	288
6	Book published	-	-
7	Training Manual	**01**	-
8	Book chapters	**02**	-
9	Research papers	01	-
10	Lead papers	-	-
11	Seminar papers	02	-
12	Extension folder	16	-
13	Proceedings	**04**	-
14	Award & recognition	**08**	-
15	On going research projects	**04**	-

DETAILED REPORT (Jan to Dec. 2023)

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 May, 2023)

S. N.	Sanctioned post	Name of the incumbent	Designation	Subject	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Cate -gory	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	Permanent	Gen	9450417136	57	nalinchandratripathi@gmail.com
3	Subject Matter Specialist	Dr Narendra Prasad	Professor	Agril. Extn.	37400-67000 (GP 10000)	182700	10.07.96	Permanent	OBC	9450416956	56	narendraprasadkvk@gmail.com
4	Subject Matter Specialist	Km. Vidya Gupta	Asstt. Prof./. SMS	Home Science	15600-39100 (GP 7000)	101200	16.12.03	Permanent	OBC	9415366111	55	vidyaguptakvk@gmail.com
5	Subject Matter Specialist	Dr. Shiv Kr. Yadav	SMS	Livestock Production	15600-39100 (GP 5400)	56100	28.06.08	Permanent	OBC	9473588885	40	dr.shivkumarjnp@gmail.com
6	Subject Matter Specialist	Dr Mahesh Kr	SMS	Horticulture	15600-39100 (GP 5400)	56100	28.06.08	Permanent	SC	6394318919	38	mkrao477@gmail.com
7	Programme Assistant	Dr. Chandrapal	Programme Assistant (A.V.Aids)	Agril.Extn	9300-34800 (GP 5400)	87700	20.12.95	Permanent	Gen	9415482746	52	cpdeepali@gmail.com
8	Computer Programmer	Dr Manoj Kr. Mishra	Computer Programmer	Computer Science	9300-34800 (GP 4800)	78800	28.10.99	Permanent	Gen	9412423526	49	dr_mishra@in.com
9	Programme Assistant	Dr Vimal Kr. Singh	Programme Assistant (Soil/F.M.)	Entomology	9300-34800 (GP 4600)	55200	15.09.08	Permanent	OBC	9452215713	46	-
10	Stenographer	Sandeep Saxena	Jr. Steno	-	5200-20200 (GP 4200)	64100	02.09.95	Permanent	Gen	9450443210	51	-
11	Driver	Sonu Gupta	Driver/Mechanic	-	5200-20200 (GP 1900)	33300	27.07.07	Permanent	OBC	9411986427	44	-
12	Supporting Staff	Shubham Kumar Sagar	Office Attendant	-	5200-20200 (GP 1800)	20900	21.03.17	Permanent	SC	8874594581	25	-

1.6. Total land with KVK (in ha) : 18.314 :

S. No.	Item	Area (ha)
1	Under Buildings	0.600
2.	Under Demonstration Units	0.1068
3.	Under Crops	3.20
4.	Newly develop farm under land reclamation	10.00 (Under RKVY land development work is in progress)
5.	Others (Specify)	4.408

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of Funding		Stage					
				Complete			Incomplete		
		ICAR	RKVY	Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	-	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	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on March, 2023	Present status
Bolero jeep UP27G-0138	June, 2009	ICAR	5.07 Lac	216261	Condemn
Hero Honda Super Splender UP27G-0146	April ,10	ICAR	46159.00	43820	Working but Needs replacements
Tractor (Sonalika DI-47 RX)	17.03.17	ICAR	520863.00	502.0 hrs	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

Sl. N.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	10.11.2022	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	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	The training schedule has been prepared as per

		14. Sudhir Mohan, Pragatisheel Kisan Villgae- Nougawan 15. Gyanesh Tiwari, Krishak. 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	aspects of crop production should be planned well advance of time of implementation.	recommendation prior to season of crops.
			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 March, 2023)

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 2. Powayan 3. Banda 4. Khutar	1. Productive plain land under canal and tube well irrigation 2. Main cropping system rice wheat 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. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during Jan 2022 to June 2023

OFT (Technology Assessment)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
07	07	17	17	113.40	113.40	461 (260 Animals)	461 (260 Animals)

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	80	82	1600	1640	400	403	8000	8446
Rural youth	8	11	80	153				
Extn. Functionaries	13	13	390	342				

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	271.12	NSC	20000	18000	75

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Integrated Nutrient Management				
Varietal Evaluation	Cucumber	Production and Management Technology	02	08
	Paddy		01	06
	Wheat		01	05
Integrated Pest Management	Sugarcane	Top Borer Management	01	03
Integrated Crop Management				
Integrated Disease Management	Paddy	Sheath Blight Management	01	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			**06**	**25**

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	15	15
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

Varietal Evaluation

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 in cucumber due to use of local variety

Technology Assessed: Use of high yielding variety of cucumber.

KVK, Shahjahanpur, Uttar Pradesh conducted on-farm trial to assess the use of high yielding variety Kashi Nutan to compare with local variety Supermo

Table: Production of local and high yielding varieties of cucumber (Zaid 2023)

Technology Option	No. of trials	Yield (t/ha)	Net Returns (Rs in lakh/ha)
T1- Supermo (Local Variety)	05	184.53	1.24
T2- Kashi Nutan		208.86	2.40

3. 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

LIVESTOCK ENTERPRISES

4. ON REPEAT BREEDING

Problem definition: Higher incidence of repeat breeding in buffaloes 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 Distric: 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.

Technology Option	No.of trials	Responding Rate %	Conception rate %	Repeating Rate%	Per cent incidence of repeat breeding
Use choker (Farmers practice)	10	-	-	-	100
Mineral mixture @50g/day/animal up to 45 day + Receptal 5 ml (72-96 hrs before AI or Natural breeding) recommended practice		100	90	10	09 Conception take place

5. 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.

PEST AND DISEASE MANAGEMENT

6 . Problem definition: Incidence of Sheath Blight l in Paddy effecting yield loss of 15-20% and income loss of Rs.14000/ha

Technology Assessed (as the case may be): Management of Sheath Blight Disease.

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 03 8.2locations in 1.2 ha area .The performance of OFT conducted revealed that tested technology can increase20.65% 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	8.2	44.58	-
Seed Treatment Tricyclozole@2g/kg and 2 Sprays of Thifluzamide24%SC@375ml/ha.		1.3	52.46	17.6

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

Technology Assessed (as the case may be): Cartap hydrochloride 4 G @ 30 kg/ha and Tricho card @ 15/ha.

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 3 locations in 1.2 ha area.The performance of OFT conducted revealed that using Cartap hydrochloride 4 G @30 kg/ha &Tricho cards @15/ha can increase 32.47 % yield over local farmers practice

Table: Effect of Cartap hydrochloride 4 G & Tricho Cards on infestation of Top Borer in Sugarcane.

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	03	19	633.33	--
Cartap hydrochloride 4 G@30kg/ha+Tricho cards @15/ha (5cards/ha Used 3 Times)		05	841.67	32.47

NMC –Non Millable Canes

II. FRONTLINE DEMONSTRATION

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

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

S.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, seed treatment carbendazim@2.5g/kg, Bentonite sulphur@25kg/ha, Mancozeb +Carbendazim@1.25kg/ha, Imidacloperid@0.25l/ha, Chlorpyriphos@2.5l /ha, Trichoderma@5kg/ha	Training, Demonstration, Field Day , Field Visit, Print and Electronic Media	15	72	28.0
2.	Blackgram	ICM	HYVPU-31@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	14	60	17.0
3.	Toria	ICM	HYV(PT-507)@4kg/ha Bentonite Sulphur@25kg/ha,Mancozeb+Carbendazim@1.25kg/ha,Imidacloprid@0.25l/ha	Training, Demonstration, Field Day , Field Visit, Print and Electronic Media	20	55	20.0
4.	Mustard	ICM	HYV RH 749 and Pant Shweta@5kg/ha Bentonite Sulphur@25kg/ha,Mancozeb+Carbendazim@1.25kg/ha,Imidacloprid@0.25l/ha	Training, Demonstration, Field Day , Field Visit, Print and Electronic Media	22	58	20.0
5.	Lentil	ICM	HYV Seed (KLS-09-03)@30kg/ha,Carbandazim+mancokzeb@1.25kg/ha, sulphur W.P.@ 2.5kg/ha, Trichoderma @ 5kg/ha	Training, Demonstration, Field Day , Field Visit, Print and Electronic Media	20	82	52.0

**** Thematic areas as given in Table 3.1 (A1 and A2)***

b. **Details of FLDs implemented during Jan to Sept.2023**

(Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1.	Groundnut	ICM	HYV Seed GJG @100kg/ha, Bentonite sulphur 90%@12.5 kg/ha Mancozeb+Carbendazim @1.25kg/ha,Chlorpyriphos 50%@2.5 lt/ha, Trichoderma@5kg/ha	Kharif 2023	10.0	10.0	03	22	25	
2.	Sesamum	ICM	HYV GJT-5 @ 5kg/ha, Bentonite sulphur 90%@12.5 kg/ha Quinalphos 50 EC@1.25l/ha Mancozeb + carbandazim @1.25kg/ha	Kharif 2023	20.0	20.0	03	47	50	
3.	Blackgram	ICM	HYV(IPU-13-01) @15kg/ha, Bentonite sulphur 90%@12.5 kg/ha Quinalphos 50 EC@1.25l/ha Mancozeb+carbandazim @1.25kg/ha	Kharif 2023	20.0	20.0	01	49	50	
4.	Mustard	ICM	HYV Giriraj (DMRIJ-31) @5kg/ha sulphur W.P.@ 2.5kg/ha,Imidacloprid@ 0.25l/ha	Rabi 2022-23	20.0	20.0	09	41	50	
5.	Lentil	ICM	HYV L-4717@30kg/ha, Mancozeb+Carbendazim@ 1.25kg/ha, Imidacloprid@0.25l/ha, Trichoderma@5kg/ha	Rabi 2022-23	20.0	20.0	04	46	50	

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					
Groundnut	Kharif 2023	Irrigated	Sandy Loam	L	L	M	Wheat	07-15 July 2022	22-27Oct.2023	422	20
Sesamum	Kharif 2023	Irrigated	Sandy Loam	L	L	M	Wheat	15-20 July 2022	10-15Oct.2023	419	18

Blackgram	Kharif 2023	Irrigated	Sandy Loam	L	L	M	Wheat	10-22 July 2022	8-14 Oct.2023	419	18
Mustard	Rabi 2022-23	Irrigated	Sandy Loam	L	L	M	Paddy	05-11 Nov.2022	20-28 March 2023	83	09
Lentil	Rabi 2022-23	Irrigated	Sandy Loam	L	L	M	Paddy	05-10 Nov. 2022	15-20 March 2023	83	09

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

Extension and Training activities under FLD

Sl.No.	**Activity**	**No. of activities organised**	**Date**	**Number of participants**	**Remarks**
1	Field days	07	Jan. to Sept.,2023	85	-
2	Farmers Training	07	Jan.to Sept.2023	85	-
3	Media coverage	15	Jan.toSept.2023	Mass	-
4	Training for extension functionaries	02	Jan.toSept.2023	05	-

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter				% Advantage	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot			Check plot		Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
							High	Low	Average			High	Low	Average										
Groundnut																								
Kharif 2023	ICM	HYV Seed GJG @100kg/ha, Bentonite sulphur 90%@12.5 kg/ha Mancozeb+Carbendazim @1.25kg/ha,Chlorpyriphos 50%@2.5l/ha, Trichoderma@5 kg/ha	GJG-22	25	10	No.of pods/hill Grains/pod	18 03	14 02	15 03	12 02	25.0 50.0	17.5	13.5	16.8	12.2	37.70	36500	105840	69340	2.9	32500	76860	44360	2.3
Sesamum																								
Kharif 2023	ICM	HYV GJT-5 @ 5kg/ha, Bentonite sulphur 90%@12.5 kg/ha Quinalphos 50 EC@1.25l/ha	GJT-5	50	20	No. of pods/branch	56	39	52	35	48.57	6.5	4.1	5.1	3.5	45.71	22500	43350	20850	1.9	18050	29750	11700	1.6
Mustard																								

Rabi 2022-23	ICM	HYV Giriraj (DMRIJ-31) @5kg/ha sulphur W.P.@ 2.5kg/ha,Imidacloprid@ 0.25l/ha	Griraj DMRIJ-31	50	20	No. of Siliqua/plant No. of seeds/ Siliqua	205 16	192 14	201 15	175 12	14.85 25.00	24.5	17.6	22.5	16.5	36.36	28500	157500	12900	5.52	25500	115500	90000	4.52
Toria																								
Linseed																								
Sunflower																								
Soybean																								

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

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

S. No	**Feed Back for researchers**	**Feedback for line department**
1	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	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter				% Advantage	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot			Check plot		Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
							High	Low	Average			High	Low	Average										
Pigeonpea																								
Blackgram																								
Kharif 2023	ICM	HYV @15kg/ha, Bentonite sulphur 90%@12.5 kg/ha Quinalphos 50 EC@1.25l/ha Mancozeb +carbandazim @1.25kg/ha	IPU_13-01	50	20	No. of pods per hill No.of grains per pod	18 9	13 6	15 7	11 5	36.36 40.0	8.9	6.3	7.5	5.5	36.36	31120	48750	17630	1.6	25620	35750	10130	1.4
Greengram																								
Chickpea																								
Fieldpea																								

Lentil																								
Rabi 2022-23	ICM		L-4717	50	20	No. of pods/ plant	41	37	40.5	32	26.56	16.5	11.7	14.8	9.1	62.63	32650	96200	63550	2.95	28150	63700	35550	2.26
						No of seeds/ pod	1.6	1.2	1.5	0.9	66.66													
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 L-4717 perform resistant to wilt disease	Lentil variety L-4717 perform resistant to wilt disease

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)				% 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										
Cereals																								
Paddy																								
Paddy Kharif 2023	IPM	Cartap Hydrochloride 4G@25kg/ha and Cartap Hydrochloride 50SP @1kg/ha	PR-113	10	4.0	% dead hearts	2.9	2.3	2.6	16.5	84.24	62.7	50.5	53.21	43.28	22.94	47110	154309	107199	3.27	42260	125512	83252	2.96
Paddy Kharif 2023	IWM	Pretilachlor @500ml/ha	PR-113	20	8.0	weeds/sq.m	12	4	8	23	65.21	61.5	53.0	56.5	49.5	14.14	47200	121475	74275	2.6	46400	106425	60025	2.3
	IWM	Bispyrubic Sodium 10%SC	PR113	10	4.0	Weeds/sq.m.	5	2	3	16	81.25	62.0	54	58.2	46.5	26.16	47250	125130	77880	2.6	45950	99975	54025	2.2
Paddy Kharif 2023	INM	Zinc+ Sulphur	Basmati	10	2.0	Plant height (cm.)	103	95	102	95	7.36	51.2	46.3	49.2	38.5	27.79	47550	135300	87750	2.8	44350	105875	61525	2.4
Waterlogged Situation																								
Coarse Rice	INM	NPK-WS	PR-113	25	10.0	Plant height(in Cm.)	120	112	116	110.20	5.26	58.70	48.40	51.25	48.5	5.67	68410	113518	45108	1.66	62225	102500	44275	1.64
Scented Rice																								

Wheat	Varietal	HD 3226	HD 3226	06	1.2	Plant height (in cm)	112	103	107.5	101	6.04	59.5	53.1	58.2	43.5	33.79	47500	123675	76175	2.6	46500	92437	45937	1.98
Rabi 2022-23	Weed Control	Chlorinofop Propozyl 15% WP 0.8 kg/ha	HD 2967	10	4.0	Effective tillers / m^2	272	260	266	237	10.9	56.2	48.5	55.3	43.25	21.53	45500	99540	54040	2.18	44600	81900	37300	1.83
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	15	3.0					Result awaited														
Vegetable pea																								

Softgourd																								
Okra																								
Colocasia (Arvi)																								
Broccoli																								
Cucumber																								
Onion	Intercropping with sugarcane	Seed of Onion	Bhima Kiran	05	1.0	Result Awaited											Result Awaited							
Coriender																								
Lettuce																								
Cabbage																								
Cauliflower	ICM	Seed of Cauliflower pusa hybrid 2	pusa hybrid 2	10	2.0	Highly compact, creamy white colour curd, curd weight in gm	1000 gm	600 gm	900gm	500gm	80	248.5	240	243.8	190.4	28.04	55000	243800	188800	4.43	46800	152320	105520	3.25

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 **Rabi 2022-23**	IDM	Mancozeb 75% @ 2.5 kg/ha Mancozeb+ metalaxyl @1.25 kg/ha	Kufri-Pukhraj	05	2.0	% incidence of late blight	2.2	1.75	1.97	8.5	76.82	365	335	350	288	21.35	72000	420000	348000	5.83	68500	345600	277100	5.04
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	This hybrid seed of brinjal is almost good for farmers but minute problems of fruit borer occurs.	Needs to popularize this variety of brinjal among vegetable farmers in distt Shahjahanpur
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	Varietal demonstration of brinjal at farmer's field, response is very good.
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	Disease Management (Post calving anoestrous)	Deworming (Fenbendazole + Ivermectin)	50	100	Nil worm infestation	90% worm infestation	10	6.1Lit/day	5.4Lit/day	212.5	277.5	65	1.30	204.3	245.2	40.9	1.2
	Disease Management (Post calving anoestrous)	Deworming (Fenbendazole + Ivermectin)	50	100	Nil worm infestation	85% worm infestation	15	6.3Lit/day	5.5 Lit/day	281.8	214.7	67.1	1.31	206.2	248.8	42.6	1.206
Buffalo Calf	Disease Management (To control mortality)	Deworming (Fenbendazole + Ivermectin)	20	40	Nil worm infestation	100% worm infestation											
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	
2	

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		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	

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 2022-23)	House hold food security by Nutrition Kitchen Gardening	High Yielding variety of vegetable seeds	10	10	196	183.7	6.6	326.66	306.66	158900	29400	135100	1.85	145500	220440	74940	1.51
Nutrition Kitchen Gardening (Kharif 2023)	House hold food security by Nutrition Kitchen Gardening	High Yielding variety of vegetable seeds	10	10	211.3	176.7	19.58	255.19	213.4	187800	253560	65760	1.35	168950	212040	43090	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* **2023***)*

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

Home Science FLD other than oilseed & pulses (Year 2023)

Crop/Activity	technology demonstrated	No. of Farmers	Area (ha)	Harvested area sq mt /hour		% Change	Mandays / ha		Saving of Mandays / ha	Cost reduction /ha (Rs)
				Demo	Check		Demo	Check		
Wheat cutting Rabi-2022-23	Improved sickle (Naveen)	10	0.10	104	89	16.8	13	11	02	2x300=600
Paddy cutting Kharif-2023	Improved sickle (Naveen)	10	0.10	118	97	21.64	10	14	04	4x300=1200

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

S. No	Feed Back for researchers	Feedback for line department
1	Darati can be made by using stainless sheet to increase its durability	Naveen darati should be provided to farmers at large scale

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	Naveen darati should be used for hand harvesting of crops as well as

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)		
Shahjahanpur	Paddy	PB-1509	0.125	12.80	22600	-	-	-	-	-	-	-
	Wheat	DBW-107	0.125	23.00	24500	Wheat	DBW-187	0.40	34.81	44964	14.11.22 to 26.11.22	09.04.23 to 22.04.23

2) Preliminary Soil Data of Natural Farming Field

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

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	KVK, Shahjahanpur	Bharthauli	Vikas kumar Singh	9793923448	0.4
2		Takeli	Radhe Shyam	9721914893	0.4
3		Biladpur gaddipur	Kunendra Pal singh Arya	7388468177	0.4
4		Samdhana	Salik Ram	9236653610	0.4
5		Baribara	Sukhlal Verma	8476888957	0.4

6		Gadhchapa	Vijay Pal Singh	9473554769	0.4
7		Gurthana	Kaushal Kishor	9198795808	0.4
8		Imaliya	Pramod Kumar	9453308296	0.4
9		Nibiya Nagala	Satyendra Singh	8400829008	0.4
10		Nibiya Nagala	Ram Sevak	8081530691	0.4
11		Baldevpur	Dinesh Kumar	9696388092	0.4
12		Etamadpur pidariya	Ram Dev	8299172993	0.4
13		Dhaka	Raj Veer Yadav	9208214541	0.4
14		Bilhara	Ram Saran	9918610041	0.4
15		Sarovan nagar	Dharmesh Kumar	7376969661	0.4
16		Niyamatpur	KVK,	9450416956	0.4

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 (ha)	Crops Grown under Natural Farming	Any significant achievements under natural farming
1	Shahjahanpur	72	-	110	Wheat, Paddy, Sugarcane, Tomato,Mustard, Brinjal, Chilli, Sweet potato, Jowar, Bajra, Maize	01-05	110	Wheat, Paddy, Sugarcane, Tomato,Mustard, Brinjal, Chilli, Sweet potato, Jowar, Bajra, Maize	

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
2.	Shahjahanpur	Dr. Shiv Kumar Yadav	S.M.S. Livestock Production	9473588885

6) Preliminary Soil Data of Natural Farming Field

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

IV. Drone Project

1) Details of Drone Training

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

2) Details of Nodal officers under Drone Project

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

3) Expenditure regarding Agri-Drone

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

V. DAMU Project

PROJECT DETAILS

1. 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. N.C Tripathi	Krishi vigyan Kendra, Shahjahanpur	9027805571	shahjahanpurkvk@gmail.com
SMS	Vaccant	-	-	-
Agromet Observer (AO)	Mr. Kumar Ashirwad Gautam	Mannapurwa Lucknow Road Hardoi District- Hardoi Pin -241001	7652065291	Kumarashirwad007@gmail.com

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	10-01-2023	Introduction of Gramin Krishi Mausam Sewa, Meghdoot mobile app popularization and Management of Rabi crops based on Weather	KVK	KVK	**30**
January	17-01-2023	Farmers training regarding Management of Rabi crops based on Weather	KVK	**Village-Ghulamkheda , Shahjahanpur**	**30**
February	**09-02-2023**	Farmers training regarding Management of Rabi crops based on Weather	KVK	**Village-Gadchapa, Block- Kanth , Shahjahanpur**	**30**

February	**20-02-2023**	Introduction of Gramin Krishi Mausam Sewa, Meghdoot mobile app popularization	KVK	KVK	**100**
February	**27-02-2023**	Farmers training regarding Damini mobile app popularization	KVK	KVK	**30**
March	03-03-2023	Introduction of Gramin Krishi Mausam Sewa, Meghdoot mobile app popularization	KVK	KVK	**30**
March	06-03-2023	Kisan Ghosthi under DAMU project	KVK	**Village-Mahaudurg , Shahjahanpur**	**100**
March	10-03-2023	Introduction of Gramin Krishi Mausam Sewa, Meghdoot mobile app popularization	KVK	**Village-Dhakiyahamidnagar , Shahjahanpur**	**30**
TOTAL					380

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 of Zaid pulses	01	17	0	17	03	0	03	20	0	20
Resource Conservation Technologies	Rabi Pulse Production on FIRBS	01	18	0	18	02	0	02	20	0	20
Cropping Systems											
Crop Diversification											
Integrated Farming											
Micro Irrigation/irrigation											
Seed production											
Nursery management											
Integrated Crop Management	Direct seed and SRI Production Technology	01	18	0	18	02	0	02	20	0	20
Soil & water conservatioin	Water Management in Rabi crops	01	18	0	18	02	0	02	20	0	20
Integrated nutrient management											
Production of organic inputs											
Others (pl specify)											
Total		**04**	**71**	**0**	**71**	**09**	**0**	**09**	**80**	**0**	**80**
II Horticulture											
a) Vegetable Crops											
Production of low value and high volume crops	Production Technology of Bottle Gourd and Bitter Gourd by Scaffold Method	02	30	01	31	09	0	09	39	01	40
	Advanced cultivation techniques of turmeric and ginger	01	17	0	17	03	0	03	20	0	20
	Insect, Pest and Disease management of Cucurbits crops	01	18	0	18	02	0	2	20	0	20
Off-season vegetables	Production Technology of Off-season vegetables	02	33	0	33	07	0	07	40	0	40
Nursery raising	Nursery Management in Vegetables	01	20	0	20	06	0	06	20	0	20
Exotic vegetables											
Export potential vegetables											
Grading and standardization											
Protective cultivation											
Others (pl specify)											
Total (a)		**07**	**118**	**01**	**119**	**27**	**0**	**27**	**139**	**01**	**140**
b) Fruits											
Training and Pruning											
Layout and Management of Orchards											
Cultivation of Fruit											
Management of young plants/orchards	Management of young orchards	02	35	0	35	05	0	05	40	0	40
Rejuvenation of old orchards											
Export potential fruits											
Micro irrigation	Micro irrigation	01	17	0	17	03	0	03	20	0	20

systems of orchards	system of orchard										
Plant propagation techniques											
Others (pl specify)											
Total (b)		**03**	**52**	**0**	**52**	**08**	**0**	**08**	**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	Advance production technology of turmeric and ginger	01	17	0	17	03	0	03	20	0	20
Processing and value addition											
Others (pl specify)											
Total (f)		**01**	**17**	**0**	**17**	**03**	**0**	**03**	**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)		**11**	**187**	**01**	**188**	**38**	**0**	**38**	**219**	**01**	**220**
III Soil Health and Fertility Management											
Soil fertility management											
Integrated water management											
Integrated Nutrient Management	Integrated Nutrient Management	01	18	0	18	02	0	02	20	0	20
Production and use of organic inputs	Production and use of organic inputs	01	17	0	17	03	0	03	20	0	20
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use	Technology of	01	17	0	17	03	0	03	20	0	20

Efficiency	Fertilizer use Efficiency										
Balance use of fertilizers											
Soil and Water Testing											
Others (pl specify)	Natural Farming	03	53	0	53	07	0	07	40	0	40
Total		**06**	**105**	**0**	**105**	**15**	**0**	**15**	**120**	**0**	**120**
IV Livestock Production and Management											
Dairy Management	Clean milk production , feeding and health management of calf	01	17	0	17	03	0	03	20	0	20
Poultry Management											
Piggery Management											
Rabbit Management											
Animal Nutrition Management											
Disease Management	FMD in animals, its symptom and control FMD, RP, PPR: aetiology, mode of transmission, treatment, prevention & control	01	13	0	13	07	0	07	20	0	20
	HB,BQTRP: Prevention &control	01	20	0	20	0	0	0	20	0	20
	Parasitic diseases and zoonotic diseases:their importance	01	14	0	14	06	0	06	20	0	20
	Various causes of repeat breeding, treatment and control	01	16	0	16	04	0	04	20	0	20
	Vraious causes of repeat breeding: itscontrol and treatment	01	18	0	18	02	0	02	20	0	20
Feed & fodder technology	Management of livestock fodder and importance of green fodder in livestock production	01	17	0	17	03	0	03	20	0	20
Production of quality animal products											
Others (pl specify)											
Total		**7**	**115**	**0**	**115**	**25**	**0**	**25**	**140**	**0**	**140**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Household Food Security by Nutrition Kitchen Gardening	01	0	20	20	0	0	0	0	20	20
Design and development of low/minimum cost diet	Balanced diet for children	01	0	16	16	0	04	04	0	20	20
Designing and development for high nutrient efficiency diet	Importance of coarse grains in diet	01	0	19	1	0	01	01	0	20	20
Designing and development for high nutrient efficiency diet	Designing and development for high nutrient efficiency diet	01	0	20	20	0	0	0	0	20	20
Minimization of nutrient loss in processing											
Processing and cooking											

Gender mainstreaming through SHGs											
Storage loss minimization techniques	Storage loss minimization techniques	01	0	18	18	0	02	02	0	02	20
Value addition	Preparation of mango products	01	0	17	17	0	03	03	0	20	20
	Preparation of Aonla Products	01	0	20	20	0	0	0	0	20	20
Women empowerment	Small Scale cottage industries for women empowerment	01	0	18	18	0	02	02	0	20	20
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care	Importance of human health and hygiene	01	0	16	16	0	04	04	0	20	20
Others (pl specify)											
Total		**09**	**0**	**164**	**164**	**0**	**16**	**16**	**0**	**180**	**180**
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 Groundnut and Til	01	19	0	19	01	0	01	19	01	20
	IPM in Zaid Pulses	01	19	01	20	0	0	0	20	0	20
	IPM in Paddy	01	20	0	20	0	0	0	20	0	20
	Integrated Management of Pod Borer of Rabi Pulses	01	18	0	18	02	00	02	20	0	20
Integrated Disease Management	Management of Diseases in Toria and Mustard	01	20	0	20	0	0	0	20	0	20
Bio-control of pests and diseases											
Production of bio control agents and bio pesticides											
Others (pl specify)											
Total		**05**	**96**	**01**	**97**	**03**	**0**	**03**	**99**	**01**	**100**
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	Quality production of vermi-compost	01	17	0	17	03	0	03	20	0	20
Organic manures production	Organic manures production	01	19	0	19	01	0	01	20	0	20
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 crop production technology	02	40	0	40	0	0	0	40	0	40
Total		**04**	**76**	**0**	**76**	**04**	**0**	**04**	**80**	**0**	**80**
X Capacity Building and Group Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs	Formation and Management of SHGs	01	20	0	20	0	0	0	20	0	20
Mobilization of social capital	Formation and Management of FPO's	01	20	0	20	0	0	0	20	0	20
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
Others (pl specify)											
Total		**02**	**40**	**0**	**40**	**0**	**0**	**0**	**40**	**0**	**40**
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											

Others (pl specify)											
Total		**48**	**690**	**166**	**838**	**94**	**16**	**110**	**758**	**164**	**940**
GRAND TOTAL											

Farmers' Training including sponsored training programmes (off campus)

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of courses	Participants								
			Others			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production											
Weed Management	Weed Management in wheat	01	18	0	18	02	0	02	20	0	20
	Integrated weed management in sugarcane	01	17	0	17	03	0	03	20	0	20
Resource Conservation Technologies	Residue management in wheat	01	18	0	18	02	0	02	20	0	20
	Residue management in paddy	01	16	0	16	04	0	04	20	0	20
Cropping Systems											
Crop Diversification	Intercropping with autumn sugarcane	01	18	0	18	02	0	02	20	0	20
Integrated Farming											
Micro Irrigation/irrigation											
Seed production											
Nursery management											
Integrated Crop Management	Foliar application of soluble fertilizer in rabi oilseed and pulses	01	17	0	17	03	0	03	20	0	20
	Foliar application of soluble fertilizer in crop production	01	18	0	18	02	0	02	20	0	20
Soil & water conservation	Water management in kharif pulses	01	18	0	18	02	0	02	20	0	20
Integrated nutrient management											
Production of organic inputs											
Others (pl specify)											
Total		**08**	**140**	**0**	**140**	**20**	**0**	**20**	**160**	**0**	**160**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops	Advance Production Techniques of Bottle Gourd	01	13	01	14	06	0	06	19	01	20
	Advance cultivation techniques of 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											
Others (pl specify)	Micro Irrigation Management of vegetables	01	19	0	19	01	0	01	20	0	20
Total (a)		**03**	**52**	**01**	**53**	**07**	**0**	**07**	**59**	**01**	**60**
b) Fruits											

Training and Pruning											
Layout and Management of Orchards											
Cultivation of Fruit	Production Techniques of Papaya	01	19	0	19	01	0	01	20	0	20
	Cultivation Practices of minor fruits	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**	**39**	**0**	**39**	**01**	**0**	**01**	**40**	**0**	**40**
c) Ornamental Plants											
Nursery Management	Nursery Management of Ornamental plants	01	15	0	15	05	0	05	20	0	20
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others (pl specify)	Advanced cultivation techniques of marigold	01	20	0	20	0	0	0	20	0	20
Total (c)		**02**	**35**	**0**	**35**	**05**	**0**	**05**	**40**	**0**	**40**
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 Production Techniques of Turmeric and Ginger	02	36	0	36	04	0	04	40	0	40
Processing and value addition											
Others (pl specify)											
Total (f)		**02**	**36**	**0**	**36**	**04**	**0**	**04**	**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 plant	01	20	0	20	0	0	0	20	0	20
Others (pl specify)											

Total (g)		**01**	**20**	**0**	**20**	**0**	**0**	**0**	**20**	**0**	**20**
GT (a-g)		**10**	**182**	**01**	**183**	**17**	**0**	**17**	**199**	**01**	**200**
III Soil Health and Fertility Management											
Soil fertility management	Soil fertility management through organic compost	02	40	0	40	0	40	0	40	0	40
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)	Techniques of soil sampling	01	20	0	20	0	0	0	20	0	20
Total		**03**	**60**	**0**	**60**	**0**	**0**	**0**	**60**	**0**	**60**
IV Livestock Production and Management											
Dairy Management	Care and Management of:- Dry & pregnant animal Newly born calf & heifer	01	19	0	19	01	0	01	20	0	20
Poultry Management	Scientific production of Broiler and layer	01	20	0	20	0	0	0	20	0	20
Piggery Management											
Rabbit Management											
Animal Nutrition Management	Importance of mineral mixture in reproduction of livestock farming	01	18	0	18	02	0	02	20	0	20
Disease Management	Common reproductive disease in cattle & buffalo.	01	18	01	19	0	01	01	18	02	20
	Various causes of abortion in animals	01	17	0	17	03	0	03	20	0	20
	Animal reproductive cycle: symptoms of heat & methods of heat deduction	01	08	11	19	01	0	01	09	11	20
	Various types of diseases and insects affecting animal health	01	18	0	18	02	0	02	20	0	20
	Vaccination schedule of livestock	01	18	0	18	02	0	02	20	0	20
	Mastitis: Prevention and control	01	19	0	19	01	0	01	20	0	20
Feed & fodder technology	Treatment techniques to improve nutritive value & digestibility of wheat and paddy straw	01	20	0	20	0	0	0	20	0	20
Production of quality animal products											
Others (pl specify)	Artificial insemination and pregnancy diagnosis	01	19	0	19	01	0	01	20	0	20
Total		**11**	**194**	**12**	**206**	**13**	**1**	**14**	**207**	**13**	**220**

V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening											
Design and development of low/minimum cost diet	Balanced diet for lactating and pregnant women	01	0	20	20	0	0	0	0	20	20
Designing and development for high nutrient efficiency diet											
Minimization of nutrient loss in processing	Minimization of nutrient loss during fruits and vegetable processing	0	0	19	19	0	01	01	0	20	20
Processing and cooking											
Gender mainstreaming through SHGs											
Storage loss minimization techniques											
Value addition	Home scale soya bean processing	01	0	20	20	0	0	0	0	20	20
Women empowerment	Income generation activities for women empowerment	01	0	20	20	0	0	0	0	20	20
Location specific drudgery reduction technologies	Drudgery reducing farm implement	01	0	20	20	0	0	0	0	20	20
Rural Crafts											
Women and child care											
Others (pl specify)											
Total		**05**	**0**	**99**	**99**	**0**	**01**	**01**	**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 Kharif Pulses	01	07	0	07	13	0	13	20	0	20
	IPM in Potato	01	07	0	07	13	0	13	20	0	20
	IPM in Groundnut &Til	01	20	0	20	0	0	0	20	0	20
Integrated Disease	IDM in Sugarcane	01	16	04	20	0	0	0	16	04	20

Management											
	Management of Sheath Blight in Paddy	01	09	0	09	11	0	11	20	0	20
	IDM in Paddy	01	08	02	10	10	0	10	18	02	20
Bio-control of pests and diseases											
Production of bio control agents and bio pesticides											
Others (pl specify)											
Total		**06**	**67**	**06**	**73**	**47**	**0**	**47**	**114**	**06**	**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	Quality production of vermin comost	01	20	0	20	0	0	0	20	0	20
Organic manures production	Vermi and NADEP Compost production	01	20	0	20	0	0	0	20	0	20
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 crop production	02	40	0	40	0	0	0	40	0	40
	Natural crop production technology	02	40	0	40	0	0	0	40	0	40
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)	Formation and management of FPO;s	01	20	0	20	0	0	0	20	0	20
Total		**05**	**100**	**0**	**100**	**0**	**0**	**0**	**100**	**0**	**100**
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total											
GRAND TOTAL		**50**	**783**	**118**	**901**	**97**	**42**	**99**	**880**	**120**	**1010**

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 of Zaid pulses	01	17	0	17	03	0	03	20	0	20
	Weed Management in wheat	01	18	0	18	02	0	02	20	0	20
	IWM in Sugarcane	01	17	0	17	03	0	03	20	0	20
Resource Conservation Technologies	Rabi Pulse Production on FIRBS	01	18	0	18	02	0	02	20	0	20
	Residue management in wheat	01	18	0	18	02	0	02	20	0	20
	Residue management in paddy	01	16	0	16	04	0	04	20	0	20
Cropping Systems											
Crop Diversification	Intercropping with autumn sugarcane	01	18	0	18	02	0	02	20	0	20
Integrated Farming											
Micro Irrigation/irrigation											
Seed production											
Nursery management											
Integrated Crop Management	Foliar application of	01	17	0	17	03	0	03	20	0	20

	soluble fertilizer in rabi oilseed and pulses										
	Direct seed and SRI Production Technology	01	18	0	18	02	0	02	20	0	20
	Foliar application of soluble fertilizer in crop production	01	18	0	18	02	0	02	20	0	20
Soil & water conservation	Water management in kharif pulses	01	18	0	18	02	0	02	20	0	20
	Water Management in Rabi crops	01	18	0	18	02	0	02	20	0	20
Integrated nutrient management											
Production of organic inputs											
Others (pl specify)											
Total		**12**	**211**	**0**	**211**	**29**	**0**	**29**	**240**	**0**	**240**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops	Production Technology of Bottle Gourd and Bitter Gourd by Scaffold Method	03	43	02	45	15	0	15	58	02	60
	Insect, Pest and Disease management of Cucurbits	01	18	0	18	02	0	2	20	0	20
	Advance Production Techniques of Turmeric and Ginger	03	53	0	53	07	0	07	60	0	60
Off-season vegetables	Production Technology of Off-season vegetables	02	33	0	33	07	0	07	40	0	40
Nursery raising	Nursery Management in Vegetables	01	20	0	20	06	0	06	20	0	20
Exotic vegetables	Advance cultivation techniques of pea	01	20	0	20	0	0	0	20	0	20
Export potential vegetables											
Grading and standardization											
Protective cultivation	Micro Irrigation Management of vegetables	01	10	0	10	10	0	10	20	0	20
Others (pl specify)											
Total (a)		**12**	**197**	**02**	**199**	**47**	**0**	**47**	**238**	**02**	**240**
b) Fruits											
Training and Pruning											
Layout and Management of Orchards											
Cultivation of Fruit	Production Techniques of Papaya	01	20	0	20	0	0	0	20	0	20

	Cultivation Practices of minor fruits	01	20	0	20	0	0	0	20	0	20
Management of young plants/orchards	Management of young orchards	02	35	0	35	05	0	05	40	0	40
Rejuvenation of old orchards											
Export potential fruits											
Micro irrigation systems of orchards	Micro irrigation systems of orchards	01	15	0	15	05	0	05	20	0	20
Plant propagation techniques											
Others (pl specify)											
Total (b)		**05**	**90**	**0**	**90**	**10**	**0**	**10**	**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)	Advanced cultivation techniques of Merigold	01	20	0	20	0	0	0	20	0	20
Total (c)		**02**	**40**	**0**	**40**	**0**	**0**	**0**	**40**	**0**	**40**
d) Plantation crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (d)		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
e) Tuber crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (e)		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
f) Spices											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (f)		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition	Processing and value addition of medicinal plant	01	20	0	20	0	0	0	20	0	20
Others (pl specify)											
Total (g)		**01**	**20**	**0**	**20**	**0**	**0**	**0**	**20**	**0**	**20**
GT (a-g)		**20**	**347**	**02**	**349**	**57**	**0**	**57**	**398**	**02**	**400**
III Soil Health and Fertility Management											
Soil fertility management											
Integrated water management											

Integrated Nutrient Management	Integrated Nutrient Management	01	18	0	18	02	0	02	20	0	20
Production and use of organic inputs	Production and use of organic inputs	02	35	0	35	05	0	05	40	0	40
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency	Nutrient Use Efficiency	01	17	0	17	03	0	03	20	0	20
Balance use of fertilizers											
Soil and Water Testing	Soil and Water Testing	01	18	0	18	02	0	02	20	0	20
Others (pl specify)	Natural Farming	05	92	0	92	08	0	08	100	0	100
Total		**10**	**176**	**0**	**176**	**14**	**0**	**14**	**200**	**0**	**200**
IV Livestock Production and Management											
Dairy Management	Care and Management of:- Dry & pregnant animal Newly born calf & heifer	01	19	0	19	01	0	01	20	0	20
	Clean milk production , feeding and health management of calf	01	17	0	17	03	0	03	20	0	20
Poultry Management	Scientific production of Broiler and layer	01	20	0	20	0	0	0	20	0	20
Piggery Management											
Rabbit Management											
Animal Nutrition Management	Importance of mineral mixture in reproduction of livestock farming	01	18	0	18	02	0	02	20	0	20
Disease Management	FMD in animals, its symptom and control FMD, RP, PPR: aetiology, mode of transmission, treatment, prevention & control	01	13	0	13	07	0	07	20	0	20
	HB,BQTRP: Prevention &control	01	20	0	20	0	0	0	20	0	20
	Parasitic diseases and zoonotic diseases:their importance	01	14	0	14	06	0	06	20	0	20
	Various causes of repeat breeding, treatment and control	01	16	0	16	04	0	04	20	0	20
	Various causes of repeat breeding, its control and	01	18	0	18	02	0	02	20	0	20

	treatment										
	Common reproductive disease in cattle & buffalo.	01	18	01	19	0	01	01	18	02	20
	Various causes of abortion in animals	01	17	0	17	03	0	03	20	0	20
	Animal reproductive cycle: symptoms of heat & methods of heat deduction	01	08	11	19	01	0	01	09	11	20
	Various types of diseases and insects affecting animal health	01	18	0	18	02	0	02	20	0	20
	Vaccination schedule of livestock	01	18	0	18	02	0	02	20	0	20
	Mastitis : prevention and control	01	19	0	19	01	0	01	20	0	20
Feed & fodder technology	Management of livestock fodder and importance of green fodder in livestock production	01	17	0	17	03	0	03	20	0	20
	Treatment techniques to improve nutritive value & digestibility of wheat and paddy straw	01	20	0	20	0	0	0	20	0	20
Production of quality animal products											
Others (pl specify)	Artificial insemination and pregnancy diagnosis	01	19	0	19	01	0	01	20	0	20
Total		**18**	**309**	**12**	**321**	**38**	**01**	**39**	**347**	**13**	**360**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Household Food Security by Nutrition Kitchen Gardening	01	20	0	20	0	0	0	20	0	20
Design and development of low/minimum cost diet	Balanced diet for pregnant and lactating women	01	0	20	20	0	0	0	0	20	20
	Balanced diet for Children lactating women	01	0	16	16	0	04	04	0	20	20
Designing and development for high nutrient efficiency diet	Importance of coarse grains in diet	01	0	19	1	0	01	01	0	20	20
	Designing and development for high nutrient efficiency diet	01	0	20	20	0	0	0	0	20	20
Minimization of nutrient loss in processing	Minimization of nutrient loss during fruit and vegetable processing	01	0	19	1	0	01	01	0	20	20
Processing and cooking											
Gender mainstreaming through SHGs											

Storage loss minimization techniques	Storage loss minimization techniques	01	0	18	18	0	02	02	0	20	20
Value addition	Preparation of Mango products	01	0	17	17	0	03	03	0	20	20
	Preparation of Aonla products	01	0	20	20	0	0	0	0	20	20
	Home scale processing of soyabean	01	0	20	20	0	0	0	0	20	20
Women empowerment	Income Generation Activities for women empowerment	01	0	20	20	0	0	0	0	20	20
	Small Scale cottage industries for women empowerment	01	0	18	18	0	02	02	0	20	20
Location specific drudgery reduction technologies	Drudgery reducing farm implements	01	0	20	20	0	0	0	0	20	20
Rural Crafts											
Women and child care	Importance of Human health and hygiene	01	0	16	16	0	04	0	04	20	20
Others (pl specify)											
Total		**14**	**0**	**263**	**263**	**0**	**17**		**17**	**280**	**280**
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 Groundnut and Til	01	19	0	19	01	0	01	20	0	20
	IPM in zaid Pulses	01	19	01	20	0	0	0	19	01	20
	IPM in paddy	01	20	0	20	0	0	0	20	0	20
	IPM in kharif pulses	01	07	0	07	13	0	13	20	0	20
	IPM of pod borer in rabi pulses	01	18	0	18	02	0	02	20	0	20
	IPM in Potato	01	07	0	07	13	0	13	20	0	20
Integrated Disease Management	Integrated Disease in sugarcane	01	16	04	20	0	0	0	16	04	20

	Management of sheath blight in paddy	01	09	0	09	11	0	11	20	0	20
	Management of Diseases in Toria and Mustard	01	20	0	20	0	0	0	20	0	20
	IDM in Paddy	01	08	02	10	10	0	10	18	02	20
	IDM in Groundnut & Til	01	20	0	20	0	0	0	20	0	20
Bio-control of pests and diseases											
Production of bio control agents and bio pesticides											
Others (pl specify)											
Total		**11**	**163**	**07**	**170**	**50**	**0**	**50**	**213**	**07**	**22 0**
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	Vermi-compost production	01	18	0	18	02	0	02	20	0	20
Organic manures production	NADEP Production	01	19	0	19	01	0	01	20	0	20
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		**02**	**27**	**0**	**27**	**03**	**0**	**03**	**40**	**0**	**40**
X Capacity Building and Group Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital											
Entrepreneurial											

development of farmers/youths											
WTO and IPR issues											
Others (pl specify)											
Total											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total											
GRAND TOTAL		**98**	**1473**	**284**	**1757**	**191**	**58**	**249**	**1664**	**342**	**2006**

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 in vegetable, fruit and ornamental plants	01	10	0	10	05	0	05	15	0	15
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	Oyster Mushroom Cultivation Technology	01	07	02	09	01	0	01	08	02	10
	Mushroom Production Technology	01	12	0	12	03	0	03	15	0	15
Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition	Fruit & Vegetables Preservation	01	0	10	10	0	0	0	0	10	10
Small scale processing	Preparation of Mango Products	01	0	13	13	0	12	12	0	25	25
Post Harvest Technology											
Tailoring and Stitching	Tailoring	01	0	10	10	0	0	0	0	10	10
Rural Crafts	Hand Printing Techniques on fabrics	01	0	10	10	0	0	0	0	10	10
	Tie & Dye Techniques	01	0	20	20	0	02	02	0	22	22
	Doormat making	01	0	25	25	0	0	0	0	25	25
Production of quality animal products											
Dairying											
Sheep and goat rearing	Organized goat farming & management	03	41	00	41	02	00	02	43	00	43

Quality 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		**12**	**70**	**90**	**160**	**11**	**14**	**25**	**81**	**104**	**185**

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	Organized livestock farming	01	12	0	12	01	0	01	13	0	13
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		**01**	**12**	**0**	**12**	**01**	**0**	**01**	**13**	**0**	**13**

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 in vegetable, fruit and ornamental plants	01	10	0	10	05	0	05	15	0	15
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	Oyster Mushroom Cultivation Technology	01	07	02	09	01	0	01	08	02	10
	Mushroom Production Technology	01	12	0	12	03	0	03	15	0	15
Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition	Fruit & Vegetables Preservation	01	0	10	10	0	0	0	0	10	10
Small scale processing	Preparation of Mango Products	01	0	13	13	0	12	12	0	25	25
Post Harvest Technology											
Tailoring and Stitching	Tailoring	01	0	10	10	0	0	0	0	10	10
Rural Crafts	Hand Printing Techniques on fabrics	01	0	10	10	0	0	0	0	10	10
	Tie & Dye Techniques	01	0	20	20	0	02	02	0	22	22
	Doormat making	01	0	25	25	0	0	0	0	25	25
Production of quality animal products											
Dairying											
Sheep and goat rearing	Organized goat farming & management	02	22	00	22	01	00	01	23	00	23
Quality 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		**13**	**82**	**90**	**172**	**12**	**14**	**26**	**94**	**104**	**198**

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 Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology	Protected cultivation of vegetables	02	52	0	52	08	0	08	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											
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	Cattle and buffalo waste management	01	25	0	25	0	0	0	25	0	25
Livestock feed and fodder production											
Household food security											
Any other (pl.specify)											
TOTAL		**03**	**77**	**0**	**77**	**08**	**0**	**08**	**85**	**0**	**85**

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 wheat	02	45	0	45	15	0	15	60	0	60
Integrated Pest Management	IPM in Paddy	01	25	0	25	05	0	05	30	0	30
	IPM in Kharif oilseed & pulses	01	28	0	28	02	0	02	30	0	30
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology	Advanced production techniques of capsicum	01	24	0	24	06	0	06	30	0	30
Production and use of organic inputs	Vermi NADEP Production	01	25	0	25	05	0	05	30	0	30
Care and maintenance of farm machinery and implements											
Gender mainstreaming through SHGs											
Formation and Management of SHGs											
Women and Child care	Deficiency diseases in children	01	0	26	26	0	04	04	0	30	30
Low cost and nutrient efficient diet designing	Importance of coarse grains in diet	01	0	28	28	0	02	02	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 on advance pregnancy stage	01	16	0	16	01	0	01	17	0	17
Livestock feed and fodder production											
Household food security	House hold food security nutrition kitchen gardening	01	0	25	25	0	05	05	0	30	30
TOTAL		**10**	**147**	**79**	**226**	**34**	**11**	**45**	**197**	**90**	**287**

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 wheat	02	45	0	45	15	0	15	60	0	60
Integrated Pest Management	IPM in Paddy	01	25	0	25	05	0	05	30	0	30
	IPM in Kharif oilseed & pulses	01	28	0	28	02	0	02	30	0	30
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology	Protected cultivation of vegetables	02	45	0	45	15	0	15	60	0	60
Production and use of organic inputs	Vermi NADEP Production	01	25	0	25	05	0	05	30	0	30
Care and maintenance of farm machinery and implements											
Gender mainstreaming through SHGs											
Formation and Management of SHGs											
Women and Child care	Deficiency diseases in children	01	0	26	26	0	04	04	0	30	30
Low cost and nutrient efficient diet designing	Importance of coarse grains in diet	01	0	28	28	0	02	02	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 on advance pregnancy stage	01	16	0	16	01	0	01	17	0	17
Livestock feed and fodder production											
Household food security	House hold food security nutrition kitchen gardening	01	0	25	25	0	05	05	0	30	30
Women and child care	Nutritional deficiency diseases in children	01	0	23	23	0	07	07	0	30	30
Designing and development for high nutrient efficiency diet	Importance of Coarse Grains in Diet	01	0	25	25	0	05	05	0	30	30
TOTAL		13	224	79	303	42	11	53	282	90	372

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	**FTT**	**03**	**140**	**0**	**140**	**10**	**0**	**10**	**150**	**0**	**150**
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		**03**	**140**	**0**	**140**	**10**	**0**	**10**	**150**	**0**	**150**

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)	02	328	10	338
Total	**454**	**9944**	**453**	**10397**

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						
	Paddy	PB-1509		114.57	-	
	Wheat	DBW-187		125.22	-	
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	Kashi Ganga	F1	2000		15
	Pumpkin	Kashi Harit	F1	4000	-	11
	Cucumber	Kashi Nutan	F1	4000		16
	Brinjal	Kashi Sandesh	F1	5000	-	17
		Kashi Uttam	F1	3000	-	10
	Chilli	N-78	F1	4000	-	15
		Kashi Anmol	F1	2500	-	11
	Tomato	Kashi Aman	F1	3200		10
		Sona	F1	2000		08
	Cauliflower		F1	3000		15
	Cabbage		F1	2500		12
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
Total				**35200**		**140**

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		1000	-	-
NADEP Compost		3500	-	-
Total		**4500**		

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	RIR	10	1000	13
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		**10**	**1000**	**13**

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
KVK, Shahjahanpur	01	10.11.2022

XII. NEWSLETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution
Patel Krishi Gayneshwari	1000
Natural Farming	500
Scientific cultivation of millet crops	500

XIII. PUBLICATIONS

Category	Number
Books	-
Technical bulletins	01
Research Paper	01
Lead Papers	-
Book Chapters	02
Popular Articles	32
Newsletters	-
Technical reports	04
Others (pl. specify) folder	16
Bio Decomposer	01
Cow Based Natural farming	01
CRM se improved machinery	06
Gramin Krishi Mausam Sewa	01

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
livestock management	19	340
Total	**19**	**340**

Animal health camps organised

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

Seed distribution in drought hit states

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

Large scale adoption of resource conservation technologies

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

Awareness campaign

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

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			

XIV. 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.




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	Lac Cultivator	200								

	Renewable Energy Management										
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	**01**	**25**	**25.0**	**25**						
Reversible M.B. Plough	**01**	**25**	**25.0**	**25**						
Paddy Straw Chopper/ Shradder / Mulcher	**01**	**25**	**25.0**	**25**						
Zero Till Drill	**01**	**25**	**25.0**	**25**						
Rotavator										
Tractor										
Superseeder	**-**									
Total	**04**	**100**	**100.0**	**100**						

S.No	Name of the Machine/ Equipment	No. of machines procured
1	Happy Seeder	04
2	Reversible M.B. Plough	05
3	Paddy Straw Chopper/ Shradder / Mulcher	08
4	Zero Till Drill	04
5	Rotavator	01
6	Tractor	01

	Total	**23**

b) IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities	No. of Participants
	Kisan Melas organized	01	565
1.	Awareness programmes conducted at Village Panchayat/ Block/ District Level	04	412
2.	Mobilization of schools and colleges through essay completion, painting, debate etc.	01	205
3.	Demonstration conducted (ha)	100	100
4.	Training Programmes conducted	03	75
5.	Exposure visits organized	02	100
6.	Field /harvest days organized	**02**	160
	Total		

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.	42
3.	Hoarding fixed (at Mandi/ Road side/Market/ Schools/ Petrol pump/ Panchayat etc.)	20
4.	Poster/Banner placed	30
5.	Publicity material - leaflets/ pamphlets etc. distributed	6000
6.	TV programmes/ panel discussions Doordarshan/ DD-Kisan and other private channels	0
7.	Wall writing	40
	Total	**6132**

3) Achievement of TSP (Tribal Sub Plan)

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

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

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

5) Achievements of SCSP KVKs

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

6) Achievement under IFS KVKs

Sl. No.	Component Name	No. of Components established	Area (ha)	Number of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training
1	Mushroom	01	-	-	03	-	30
2	Poultry	01	-	-	01	-	10
3	Vermicompost	04	-	-	05	-	100

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
5	5	1	2	1	10	4	80	02	150

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			
	Lentil	L-4717	0.8	02
	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	No. of Farmers in	No. of Villages in	Amount realized (Rs.)	No. of Soil Health Cards issued
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 organized	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	8	93
3	Garbage disposal	-	-
4	Door to door awareness	110	240
5	Awareness campaign	25	215
6	Nookkad Drama	-	-
7	School Drama	-	-
8	School rally	3	345
9	Writing painting slogans	6	210
10	Composting	04	25

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
2	Best Mobilizer Award 2023	Dr Narendra Prasad	2023	22.02.2023

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