KVK-SHAHJAHANPUR
ANNUAL PROGRESS REPORT
(Jan., to Dec., 2021)

APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	75	1380	120	1500
Rural youths	12	90	30	120
Extension functionaries	19	558	12	570
Sponsored Training	02	86	14	100
Vocational Training	-	-	-	-
Total	**108**	**2114**	**176**	**2290**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area(ha)	Units/Animals
Oilseeds	100	40.0	
Pulses	50	20.0	
Cereals	55	11	
Vegetables	10	2.00	
Other crops (Commercial)			
Hybrid crops			
Total			
Livestock & Fisheries	55		110
Other enterprises	15	0.10	-
Total	**70**	**0.10**	**110**
Grand Total	**285**	**73.10**	**110**

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	06	26	26
Livestock	02	20	20
Various enterprises	02	20	20
Total	10	66	66
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total			
Grand Total	10	111	111

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	605	15126
Other extension activities	169	5000
Total	**774**	**20126**

5. Mobile Advisory Services: N.A.

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only							
	Voice only							
	Voice & Text both							
	Total Messages							
	Total farmers Benefitted							

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.	Distributed to No. of farmers
Seed (q)	247.42	256482.00*	-
Planting material (No.)	46720	-	62
Bio-Products (kg)			
Livestock Production (No.)			
Fishery production (No.)			

- Kharif 2021 Produce value is Pending

7. Soil, water & plant Analysis

Type of Samples	No. of samples analysised	No. of Beneficiaries	Value Rs.
Soil	**170**	**166**	**10000.00**
Water			
Plant			
Total			

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	06
2	Conferences	16
3	Meetings	24
4	Trainings for KVK officials	02
5	Visits of KVK officials	06
6	Book published	-
7	Training Manual	02
8	Book chapters	01
9	Research papers	01
10	Lead papers	-
11	Seminar papers	-
12	Extension folder	04
13	Proceedings	02
14	Award & recognition	01
15	On going research projects	04

ANNUAL PROGRESS REPORT

(Jan. 2021 to Dec. 2021)

1. GENERAL INFORMATION ABOUT THE KVK

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

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

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

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

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

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

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

1.5. Staff Position (as on 31st December, 2021)

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	Dr. N.C. Tripathi	Professor & O.I.C.	Agronomy	37400-67000	177400.00	01.06.98	Permanent	Gen	9450417136	55	nalinchandratripathi@gmail.com
2	Subject Matter Specialist	Dr. Nutan Verma**	Professor	Plant Pathol.	37400-67000	192200.00	07.06.96	Permanent	Gen	9450444487	56	vermanutan65@gmail.com
3	Subject Matter Specialist	Dr Narendra Prasad	Professor	Agril. Extn.	37400-67000	177400.00	10.07.96	Permanent	OBC	9450416956	55	narendraprasadkvk
4	Subject Matter Specialist	Km. Vidya Gupta	Scientist	Home Science	15600-39100	98300.00	16.12.03	Permanent	OBC	9415366111	55	vidyaguptakvk@gmail.com
5	Subject Matter Specialist	Dr. S.K. Verma	Scientist	Horticulture	15600-39100	98200.00	24.06.08	Permanent	SC	9450234406	43	vermasant@gmail.com
6	Subject Matter Specialist	Dr. T.B.Yadav	Scientist	Animal Sci,	15600-39100	101100.00	28.06.08	Permanent	OBC	9411287939	58	drtbyadav16@gmail.com
7	Programme Assistant	Dr. Chandrapal	Programme Assistant (A.V.Aids)	Agril.Extn	9300-34800 (GP 4800)	81200.00	20.12.95	Permanent	Gen	9415482746	50	cpdeepali@gmail.com
8	Computer Programmer	Dr Manoj Kr. Mishra	Computer Programmer	Computer Science	9300-34800 (GP 4800)	76500.00	28.10.99	Permanent	Gen	9412423526	48	dr_mishra@in.com
9	Programme Assistant	Pushpraj Yadav	Programme Assistant (Soil/F.M.)	Soil Science	9300-34800 (GP 4600)	68000.000	15.12.04	Permanent	OBC	9452215713	50	pushpraj.y@gmail.com
10	Farm Manager	Anoop Singh	Programme Assistant (Farm Manager)	Agronomy	9300-34800 (GP 4200)	50500.00	31.07.07	Permanent	Gen	9458078489	47	anups671@gmail.com
11	Stenographer	Sandeep Saxena	Jr.Steno	-	5200-20200 (GP 4200)	60400.00	02.09.95	Permanent	Gen	9450443210	50	
12	Driver	Sonu Gupta	Driver/Mechanic	-	5200-20200 (GP 1900)	32300.00	27.07.07	Permanent	OBC	9411986427	44	
13	Supporting Staff	Shubham Kumar Sagar	Office Attendant	-	5200-20200 (GP 1800)	20300.00	21.03.17	Permanent	SC	8874594581	25	-

* Appointed as a professor in deptt at SVPUAT., Meerut. ** Research scientist attached with K.V.K.

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

S. No.	Item	Area (ha)
1	Under Buildings	0.600
2.	Under Demonstration Units	0.016
3.	Under Crops	4.000
4.	Orchard/Agro-forestry	10.00
5.	Others (Specify)	3.698

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	March 2000	0.600	2647000	-	-	Completed
2.	Farmer's Hostel	ICAR	Sept 06	0.300	2289916	-	-	Completed
3.	Staff Quarters (6)	ICAR	-	0.040	2671000	''	-	Completed
4.	Demonstration Units (2)	ICAR	-	0.016	1104974	''	-	Completed
5	Fencing	ICAR	-	2000R/M	3843000	''	-	Completed
6	Rain Water harvesting system	ICAR	-	0.400	50000	''	-	Completed
7	Threshing floor	ICAR	-	0.030	230000	''	-	Completed
8	Farm godown	ICAR	-	0.006	362539	''	-	Completed

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero jeep UP27G-0138	June, 2009	5.07 Lac	189439	Condemn
Hero Honda Super Splender UP27G-0146	April , 2010	46159.00	38657	Working order

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.	13.12.2021	1. Dr. Gopal Singh, Joint Dir Extn, SVPUAT, Meerut 2. Dr. S.K. Tripathi, , SVPUAT, Meerut 3. Dr Harender Singh, Joint Dir Extn, IVRI, Bareilly 4. Dr. R. K Singh, OIC, KVK IVRI, Bareilly 5. Dr Anand Tripathi, DASP, SPN 6. Sri Dhirendra Singh, DDAg, SPN 7. Sri Chiranjeev Singh, DDM, NABARD 8. Sri S.S.Paliwal, A.M. IFFCO 9. Sri R. P Bharti, AD (Fisheries), SPN 10. Dr. Nutan Verma, Prof. KVK Shahjahanpur 11. Dr Narendra Prasad, Prof, KVK, SPN	Diversification of crops and agricultural Enterprises should be promoted among farming community	Action are being taken and included in Action Plan 2022
			farmers should register themselves in FPO of district and can be benefited by it	Action are being taken and included in Action Plan 2022
			FPO farmers should be linked to WhatsApp groups of KVK and can share their experiences by messages and video so that all farmers get benefited linked to the group	Action are being taken and included in Action Plan 2022
			KVK scientists should work one district agricultural problem in coordination with offices of line departments of the district	Action are being taken and included in Action Plan 2022
			Farmers should be trained on	Action are being taken

		12. Dr. S.K. Verma, SMS, KVK Shahjahanpur 13. Dr. T.B. Yadav, SMS KVK Shahjahanpur 14. Dr. Chandrapal, Trg. Asstt. KVK Shahjahanpur 15. Dr. M.K. Mishra, Programmer, KVK Shahjahanpur 16. Sh. PushprajTrg. Asstt. KVK Shahjahanpur 17. Sh. Anup Kumar, FM KVK Shahjahanpur 18. Sh. Sandeep Saxena, Steno, KVK Shahjahanpur 19. Sh. Subham, Office Attendant, KVK Shahjahanpur 20. Sh. Sonu Gupta, Driver, KVK Shahjahanpur	animal husbandry, Apiary, dairy, poultry, mushroom cultivation and other agricultural Enterprises as per their need and choice	and included in Action Plan 2022
			There is a need to develop FPO on spices and condiments kvk scientists main organized training program for growing spices and condiments to farmers	Action are being taken and included in Action Plan 2022
			Training program should be organized and Jaivik kheti vermicompost and vermiculture	Action are being taken and included in Action Plan 2022
			Training program on natural farming should be organized	Action are being taken and included in Action Plan 2022
			Aonla cultivation should be promoted in district to strengthen SHG of women farmers	Action are being taken and included in Action Plan 2022
			There is a need to impact training for progressive farmers linked to various FPO by KVK	Action are being taken and included in Action Plan 2022

2. DETAILS OF DISTRICT (2021)

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	304931	667870	32150
2	Maize	40	120	30.02
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	247700	989801	39.96
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	591.72

2.5. Weather data

S. No	Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)
			Maximum	Minimum	
1	January -2021	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	26.40	34.70	25.30	75
10	October	0.00	35.90	17.10	69
11	November	11.40	28.01	10.90	70
12	December	0.00	22.30	7.70	74

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 (31st December, 2021)

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

2.9 Intervention/ Programmes for the doubling the farmers income – (Jan,2021 – Dec, 2021) :

BeforeInterventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent Yield(q/ha)	Cost of cultivation(Rs /ha)*	Net income (Rs/ha)	B.C: Ratio	Remark if any
Sugarcane+ Toria	530	5.7	604.1	98700	100653	2.02	Sugarcane space-75 cm Toria- Broadcasted Flood irrigation
Sugarcane+ Lentil	580	5.8	662.2	99200	119326	2.20	Sugarcane space-75 cm Lentil- Broadcasted Flood irrigation
Sugarcane+ late mustard	510	5.3	580.7	97900	93731	1.96	Sugarcane space-75 cm late mustard - Broadcasted Flood irrigation
Sugarcane+ potato	600	170	1053.3	171600	175989	2.03	Sugarcane space-75 cm potato – One row Flood irrigation
Sugarcane+ Gram	590	5.0	673.3	97200	124989	2.29	Sugarcane space-75 cm Gram - Broadcasted Flood irrigation
Sugarcane+ Vegetable pea	680	160	733.3	124100	117889	1.95	Sugarcane space-75 cm Vegetable pea - Broadcasted Flood irrigation
Sugarcane+Urd	650	5.2	640.1	98500	112733	2.14	Sugarcane space-75 cm Urd - Broadcasted Flood irrigation
Sugarcane+ Moong	540	4.9	623.3	97900	107789	2.10	Sugarcane space-75 cm Moong - Broadcasted Flood irrigation
Sugarcane+ Mentha oil	540	0.65	713.3	132600	102789	1.78	Sugarcane space-75 cm Mentha – Two lines Flood irrigation

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation (Rs/ha)*	Net income (Rs/ha)	B.C: Ratio	Remark if any
Sugarcane+ Toria	730	8.5	840.5	103910	173455	2.66	Sugarcane trench method Toria- Two rows Irrigation in trench
Sugarcane+ Lentil	710	8.6	831.8	106600	263834	2.57	Sugarcane trench method Lentil - Two rows Irrigation in trench
Sugarcane+ late mustard	700	7.2	809.3	102750	164319	2.60	Sugarcane trench method late mustard - Two rows Irrigation in trench
Sugarcane+ potato	750	225	1350	185600	259900	2.40	Sugarcane trench method potato - Two rows Irrigation in trench
Sugarcane+ Gram	710	6.50	818.3	99700	170335	2.71	Sugarcane trench method Gram - Two rows Irrigation in trench
Sugarcane+ Vegetable pea	720	225	1136.7	135700	239411	2.76	Sugarcane trench method Vegetable pea - Two rows Irrigation in trench
Sugarcane+Urd	720	7.90	856.7	102500	180211	2.76	Sugarcane trench method Urd- Two rows Irrigation in trench
Sugarcane+ Moong	710	6.50	802.5	99980	164845	2.65	Sugarcane trench method Moong - Two rows Irrigation in trench
Sugarcane+ Mentha oil	650	0.78	858	138200	144940	2.05	Sugarcane trench method Mentha - Two rows Irrigation in trench

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *
Sugarcane rate @ Rs 330/qt

Before Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
Mono Cropping System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
Mono Cropping System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
Relay Cropping System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
Relay Cropping System(Kharif-Rabi-Zaid)-Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
Mixed Farming System(Kharif-Rabi-Zaid)-Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
Mixed Farming System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
IFS System(Kharif-Rabi-Zaid) - Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
IFS System(Kharif-Rabi-Zaid) - Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Note- Same format may be used for OFT.

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2021

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
10	10	66	66	103	73.10	335	285
				(110 Animals)	(110 Animals)		

*Allocated Programmes was less than targets

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	75	75	1500	1500	1984	2009	36943	38205
Rural youth	12	12	120	120				
Extn. Functionaries	19	19	570	570				
Total	**106**	**106**	**2190**	**2190**	**1984**	**2009**	**36943**	**38205**

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	247.42	-	20000	46720	62

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	Wheat	Varietal Evaluation in Wheat	05	05
	Basmati Rice	Varietal Evaluation in Basmati Rice	05	05
	Marigold	Varietal Evaluation in Marigold	05	05
	Cucumber	Varietal Evaluation in Cucumber	05	05
Integrated Pest Management	Sugarcane	Top Borer Management	03	03
Integrated Crop Management				
Integrated Disease Management	Paddy	Sheath Blight Management	03	03
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology				
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Post Harvest Technology / Value addition	Value addition	Value added Jiggery	10	10
Drudgery Reduction				
Storage Technique				
Others (Pl. specify)	Supplementary Food	Supplementary Food for below 03 years aged babies	10	10
Total			**46**	**46**

Summary of technologies assessed under livestock by KVKs

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Disease(disorder) Management	Buffalo	Assessment of Clinical and none-clinical remedies in controlling repeat breeding	10	10
Evaluation of Breeds	-	-	-	-
Feed and Fodder management	-	-	-	-
Nutrition Management	Buffalo	On-farm validation trial to assess to	10	10

		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		
Production and Management	-	-	-	-
Others (Pl. specify)	-	-	-	-
Total			**20**	**20**

Summary of technologies assessed under various enterprises by KVKs- NA

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

I. B. TECHNOLOGY REFINEMENT

Summary of technologies refined under various crops by KVKs- NA

Thematic areas	Crop	Name of the technology refined	No. of trials	No. of farmers
Integrated Nutrient Management	-	-	-	-
	-	-	-	-
Varietal Evaluation	-	-	-	-
	-	-	-	-
Integrated Pest Management	-	-	-	-
	-	-	-	-
Integrated Crop Management	-	-	-	-
Integrated Disease Management	-	-	-	-
	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-
	-	-	-	-
Weed Management	-	-	-	-
	-	-	-	-
Resource Conservation Technology	-	-	-	-
	-	-	-	-
Farm Machineries	-	-	-	-
	-	-	-	-
Integrated Farming System	-	-	-	-
	-	-	-	-
Seed / Plant production	-	-	-	-
	-	-	-	-
Value addition	-	-	-	-
	-	-	-	-
Drudgery Reduction	-	-	-	-
	-	-	-	-
Storage Technique	-	-	-	-
	-	-	-	-
Others (Pl. specify)	-	-	-	-
	-	-	-	-
Total				

Summary of technologies refined under various livestockby KVKs-NA

Thematic areas	Name of the livestock enterprise	Name of the technology refined	No. of trials	No. of farmers
Disease Management	NA	NA	NA	NA
Evaluation of Breeds	NA	NA	NA	NA
Feed and Fodder management	NA	NA	NA	NA
Nutrition Management	NA	NA	NA	NA
Production and Management	NA	NA	NA	NA
Others (Pl. specify)	NA	NA	NA	NA
Total				

Summary of technologies refined under variousenterprises by KVKs -NA

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

I.C. TECHNOLOGY ASSESSMENT AND REFINEMENT IN DETAIL

(From each state please include the full details of three OFTs on technology assessment and or refinement under the broad thematic areas such as Integrated Crop Management, weed management, pest and disease management, nutrient management, resource conservation, livestock enterprises, Integrated Nutrient Management)

(The model for preparing the same is furnished below)

INTEGRATED CROP MANAGEMENT

1. ***Problem definition:*** *Low productivity of marigold due to use of local variety*

Technology Assessed: *Use of high yieldingvarieties of marigold.*

KVK, Shahjahanpur, Uttar Pradesh conducted on-farm trial to assess the use of hybrid variety Arka Honey to compare with local varietyHawai Orange.

Table: Production of local and high yielding varieties of marigold

Technology Option	*No. of trials*	*Yield (t/ha)*	*Net Returns (Rs in lakh/ha)*
T1- *Hawai Orange(Local)*	*03*	*9.58*	1.10
T2- Arka Honey		14.78	2.29

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 Pusa Barkha to compare with local varietySupermo

Table: Production of local and high yielding varieties of cucumber

Technology Option	***No. of trials***	***Yield (t/ha)***	***Net Returns (Rs in lakh/ha)***
T1- *Supermo (Local Variety)*	*05*	*1.73*	0.98
T2- Pusa Barkha		2.03	1.62

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*	*3.34*	0.45
T2- PB-1637		3.85	0.60

PEST AND DISEASE MANAGEMENT

4. Problem definition:Low yield of Paddy due to incidence of Sheath Blight.

Technology Assessed :Management of Sheath Blight by seed treatment and spray chemicals.

Paddy is an important cereal crop of mid western plane zone of U.P. However, the productivity of paddy is badly affected by incidence and severity of Sheath Blight disease indistt. Shahjahanpur. To assess the performance of management technology of the problem an OFT was conducted at 03 locationsof farmer's field in 1.20 ha area. The performance of OFT conducted revealed that management technology used can increase 32.78% yield over famer's practice.

Table Effect of seed treatment and spray chemicals for management of Sheath Blight

Technology Option	***No.of trials***	***Incidence of sheath blight (%)***	***Yield (kg/ha)***	***% Increase in yield over farmer's practice***
T1-Farmers Practices *Carbendazim @ 1.0 kg/ha foliar spray*	*03*	*9.2*	*42.4*	-
T2- Seed Treatment *Tricyclazole@2g/kg seed+ 2 spray of Propiconazole25EC@1 lit./ha*		*2.1*	*56.3*	*32.78*

LIVESTOCK ENTERPRISES

OFT: 5 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 breedinginbuffaloes 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 Receptol injection for the control of repeat breeding.

Table Effect of Receptol injection in the control of repeat breeding.

Technology Option	***No.of trials***	***Per cent incidence of repeat breeding***
Use choker (Farmers practice)	*15*	*100*
Mineral mixture @50g/day/animal up to 45 day + Receptol 5 ml (72-96 hrs before AI or Natural breeding) recommended practice		*7*

OFT: 6 NUTRIENT MANAGEMENT

Problem definition: *Higher age at first calving in buffaloes due to mineral deficiency.*

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.*

KVK, Shahjahanpur conducted on-farm trial to find out the effect of mineral mixture supplementation on buffalo heifers 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 100 days was found that 72.5 % heifers are conceived.*

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

Technology Option	***No.of trials***	***Responding Rate %***	***Conception rate %***	***Repeating Rate%***
T1: *Use of choker and common salt (Farmers Practice)*	*40*	-	-	-
T1+*mineral mixture supplementations @50g/day/heifers for 100 days. (Recommended Practice)*		*87.50*	*72.50*	*15.00*

INTEGRATED NUTRIENT MANAGEMENT

7. Problem definition: *Low income of farm women due to no value addition of mango commercially.*

Technology Assessed: Assessment of mango squash, mango papad and amchour making and its marketing for gradational income. Women in rural areas knew only to prepare pickle and chatani from mango. The do not knew how to prepare squash, aampapad and amchour. An OFT on no value addition of mango was design and conducted.The performance of OFT revealed that the value addition of mango can double the family income of rural women.

Critical Input:*Preservatives*

Table : **Assessment of value addition of mango**

Technology Option	***No. of trials***	***Product Kg/qt***	***Gross Cost Rs.***	***Gross Return Rs.***	***Net Returns Rs.***	***% increase in net return***	***B:C Ratio***
T1-Farmers Practices (Mango pickle only)	*05*	*138*	*3864*	4830	966	-	1.25
T2- a. Preparation of mango squash b. AamPapad c. Amchour		192 19 19	9216 2736 1428	17280 4720 3522	8064 1984 2094	735 105 117	1.88 1.73 2.47

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2021 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Mustard Rabi 2020-21	ICM	HYV Seed(RH 749 &Pitambari) 5.0 kg/ha B.Sulphur @ 25 Kg/ha., Mancozeb+carbendazim @ 1.250kg/ha Imidachloprid @ 0.25L/ha	Training, Demonstration, Field day, Field visit, Print and Electronic media,	42	75	30.00
2	Lentil Rabi 2020-21	ICM	HYV Seed (L-4717)30 kg/ha Carbendazim+Mancozeb @ 1.25 kg/ha Imidachloprid @ 0.250 L/ha Sulpher @ 2.5 kg/ha	Training, Demonstration, Field day, Field visit, Print and Electronic media,	15	25	10.00
3	Groundnut Kharif – 2021	ICM	HYV Seed@100kg/ha, Seed treat.Carbendazim@2.5g/kg seed Bentonite Sulphur@25kg/ha Mancozeb+carbendazim@1.25kg/ha, Imidaclorid@0.25ltr/ha chlorpyriphos@2.5. ltr/ha, Trichoderma@5 kg/ha	Training,Demonstration,Field day,Field visit,Print and Electronic media.	03	25	10.00
4	Blackgram Kharif – 2021	ICM	HYV (PU 31)@15 kg/ha, Bentonite Sulphur@25kg/ha, Mancozeb+carbendazim@1.25kg/ha ,Imidachloprid @ 0.25 ltr/ha, Quanalphose @ 2.5 ltr/ha, Trichoderma@5kg/ha	Training, Demonstration, Field day, Field visit, Print and Electronic media,	14	25	10.00

b. Details of FLDs implemented during 2021

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Mustard	ICM	HYV Seed(RH 749 &Pitambari) 5.0 kg/ha B.Sulphur @ 25 Kg/ha., Mancozeb+carbendazim @ 1.250kg/ha Imidachloprid @ 0.25L/ha	Rabi 2020-21	30.00	30.00	07	68	75	-
2	Lentil	ICM	HYV Seed (L-4717)30 kg/ha Carbendazim+Mancozeb @ 1.25 kg/ha Imidachloprid @ 0.250 L/ha Sulpher @ 2.5 kg/ha	Rabi 2020-21	10.00	10.00	-	25	25	-
3	Groundnut	ICM	HYV Seed@100kg/ha, Seed treat.Carbendazim@2.5g/kg seed Bentonite Sulphur@25kg/ha Mancozeb+carbendazim@1.25kg/ha, Imidaclorid@0.25ltr/ha chlorpyriphos@2.5. ltr/ha, Trichoderma@5 kg/ha	Kharif – 2021	10.00	10.00	02	23	25	-
4	Blackgram	ICM	HYV (PU 31)@15 kg/ha, Bentonite Sulphur@25kg/ha,Mancozeb+carbendazim @1.25kg/ha ,Imidachloprid @ 0.25 ltr/ha, Quanalphose @ 2.5 ltr/ha, Trichoderma@5kg/ha	Kharif – 2021	10.00	10.00	02	23	25	-

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Mustard	Rabi 2020-21	Irrigated	Sandy Loam	L	L	M	Fallow/Paddy	13 to 20.11.2020	15 to 2003.2021	193.2	08
Lentil	Rabi 2020-21	Irrigated	Sandy Loam	L	L	M	Paddy	05 to 12.11.2020	20 to 25.03.2021	193.2	08
Groundnut	Kharif– 2021	Irrigated	Sandy Loam	L	L	M	Wheat	07to 15.07.2021	20 to 25.10.2021	550.3	25
Blackgram	Kharif– 2021	Irrigated	Sandy Loam	L	L	M	Wheat	16 to 22.07.2021	20 to 26.10.2021	119.3	20

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Use of sulphurin Oilseed Crops increased the oil content and yield.
2	Chemical weeding is more effective than mechanical weeding in Pulse Crops.

Farmers' reactions on specific technologies

S. No	Feed Back
1	The Demonstrated technology is very good and increased the yield
2	Use of sulphur in Oilseed Crops increased the oil content and yield.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	02	Jan to Dec 2021	140	-
2	Farmers Training	02	Jan to Dec 2021	140	-
3	Media coverage	08	Jan to Dec 2021	Mass	-
4	Training for extension functionaries	-	-	-	-

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Mustard (Rabi-2020-21)	ICM	HYV Seed(RH 749 &Pitambari) 5.0 kg/ha B.Sulphur @ 25 Kg/ha., Mancozeb+carbendazim @ 1.250kg/ha Imidachloprid @ 0.25L/ha	RH 749 & Pitambari	50 25	20 10	20.2 17.80	12.9 12.6	17.5 14.5	11.5 8.6	52.17 68.6	27500 27550	108500 92800	81000 65250	3.94 3.36	25500 25500	71300 55040	45800 29540	2.79 2.15
Groundnut (Kharif 2021)	ICM	HYV Seed@100kg/ha, Seed treat.Carbendazim@2.5g/kg seed Bentonite Sulphur@25kg/ha Mancozeb+carbendazim@1.25kg/ha, Imidaclorid@0.25ltr/ha chlorpyriphos@2.5. ltr/ha, Trichoderma@5 kg/ha	Dharani	50	20	28.2	16.2	24.2	14.8	63.51	35150	127655	92505	3.63	31150	78070	46920	2.50
Sesame																		
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

Frontline demonstration on pulse crops

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

Urd (Kharif 2021)	ICM	HYV (PU 31)@15 kg/ha, Bentonite Sulphur@25kg/ha ,Mancozeb+carbendazim@1.25kg/ha ,Imidachloprid @ 0.25 ltr/ha, Quanalphose @ 2.5 ltr/ha, Trichoderma@5kg/ha	PU 31	25	10	14.2	9.5	13.5	6.9	95.65	30250	81000	50750	2.67	24750	41400	16650	1.67
Chickpea																		
Fieldpea																		
Lentil (Rabi 2020-21)	ICM	HYV Seed (L-4717)30 kg/ha Carbendazim+Mancozeb @ 1.25 kg/ha Imidachloprid @ 0.250 L/ha Sulpher @ 2.5 kg/ha	L-4717	10	25	17.1	14.5	14.2	11.1	27.92	32100	79520	47420	2.47	28100	62160	34060	2.21
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

FLD on Other crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
Cereals																			
Paddy																			
Kharif 20 Paddy- PR-113,	IPM (Stem Borer Management)	Cartap Hydrochloride 4 G@ 25kg/ha and Cartap Hydrochloride50SP@ 1kg/ha and	05	2.0	57.5	55.08	56.34	41.96	34.27	% infestation 02	% infestation 12	46500	101412	54912	2.18	41650	75528	33878	1.81

Waterlogged Situation																			
Coarse Rice																			
Scented Rice																			
Wheat																			
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	Thiophenate methyl @ 1.0 kg/ha+ Mancozeb @ 2.5 kg/ha,	05	1.0	494.35	477.52	492.02	381.07	29.11	Avg no of fruits per plant 08	Avg no of fruits per plant 05	65800	292212	229412	4.44	55100	190535	135435	3.45
Vegetable pea																			
Softgourd																			
Okra																			
Colocasia (Arvi)																			

Broccoli																			
Cucumber																			
Onion	**ICM**	Seed of Onion Variety Pusa Ridhi	05	1.0	198	188	193	140	37.46	Ave. Wt. 90gm	Ave. Wt. 70gm	39000	115800	76800	2.98	32500	84000	51500	2.59
Coriender																			
Lettuce																			
Cabbage																			
Cauliflower																			
Elephant fruit																			
Flower crops																			
Marigold																			
Bela																			
Tuberose																			
Gladiolus																			
Fruit crops																			
Mango																			
Strawberry																			
Guava																			

Banana																			
Papaya																			
Muskmelon																			
Watermelon																			
Spices & condiments																			
Ginger																			
Garlic																			
Turmeric																			
Commercial Crops																			
Sugarcane																			
Potato																			
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

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	Other parameter		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 Mang.	Deworming (Fenbendazole 3g)	25	50	Result Awaited												
	Nutrient Management	Mineral mixture Feeding	05	10	Result Awaited												
Buffalo Calf	Disease Mang.	Deworming (Albendazole suspension 30ml)	25	50	Result Awaited												
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

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

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																	

FLD on Women Empowerment

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

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

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 vegetables /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 Garden	Nutrition Kitchen Garden	High yielding varieties of vegetable seeds	05	05	221.16	183.44	17.05	0.368kg	0.305	1920	3096	1176	1.61	1550	2201	651	1.42

FLD on Demonstration details on crop hybrids *(Details of Hybrid FLDs implemented during* **2021***)*

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

Home Science FLD other than oilseed & pulses (Year 2021)

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	Improved sickle (Naveen)	05	0.05	104	88	15.38	12.70	10.87	02	2x250=500
Paddy cutting	Improved sickle (Naveen)	05	0.05	123	97	21.13	15.37	12.125	3.5	3.5x250=875

III. Training Programme

Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil & water conservatioin										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)										
Total										
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables										
Nursery raising	01	16	-	16	04	-	04	20	-	20
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	**01**	**16**	**-**	**16**	**04**	**-**	**04**	**20**	**-**	**20**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards	01	10	02	12	08	-	08	18	02	20
Plant propagation techniques										
Others (pl specify)										
Total (b)	**01**	**10**	**02**	**12**	**08**	**-**	**08**	**18**	**02**	**20**
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology										
Processing and value addition										

Others (pl specify)										
Total (f)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
GT (a-g)	**02**	**26**	**2**	**28**	**12**	**-**	**12**	**38**	**02**	**40**
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management										
Poultry Management	01	14	04	18	02	-	02	16	04	20
Piggery Management										
Rabbit Management										
Animal Nutrition Management	01	13	02	15	03	02	05	16	04	20
Disease Management	01	16	-	16	04	-	04	20	-	20
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total	**03**	**43**	**06**	**49**	**09**	**02**	**11**	**52**	**08**	**60**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	01	-	20	20	-	-	-	-	20	20
Design and development of low/minimum cost diet	01	-	20	20	-	-	-	-	20	20
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing	01	-	17	17	-	03	03	-	20	20
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques	01	-	20	20	-	-	-	-	20	20
Value addition										
Women empowerment	01	-	20	20	-	-	-	-	20	20
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total	**05**	**-**	**97**	**97**	**-**	**03**	**03**	**-**	**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	01	18	-	18	02	-	02	20	-	20
Integrated Disease Management										
Bio-control of pests and diseases	01	20	-	20	-	-	-	20	-	20

Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	**02**	**38**	**-**	**38**	**02**	**-**	**02**	**40**	**-**	**40**
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production	01	06	-	06	14	-	14	20	-	20
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total	01	06	-	06	14	-	14	20	-	20
X CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	**13**	**113**	**105**	**218**	**37**	**05**	**42**	**150**	**110**	**260**

Farmers' Training including sponsored training programmes (off campus)

Thematic area	**No. of courses**	**Participants**								
		Others			**SC/ST**			**Grand Total**		
		Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										

Nursery management										
Integrated Crop Management										
Soil & water conservatioin										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)										
Total										
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	02	11	09	20	20	-	20	31	09	40
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify) Micro irrigation in vegetable crops	01	07	-	07	13	-	13	20	-	20
Total (a)	**03**	**18**	**09**	**27**	**33**	**-**	**33**	**51**	**09**	**60**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify) Cultivation tech. of minor fruits										
Total (b)										
c) Ornamental Plants										
Nursery Management	01	18	01	19	01	-	01	19	01	20
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify) Cultivation tech. of marigold	01	20	-	20	-	-	-	20	-	20
Total (c)	**02**	**38**	**01**	**39**	**01**	**-**	**01**	**39**	**01**	**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										
Processing and value addition										
Others (pl specify)										
Total (f)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition	01	10	10	20	00	-	00	10	10	20
Others (pl specify)										
Total (g)	**01**	**10**	**10**	**20**	**00**	**-**	**00**	**10**	**10**	**20**
GT (a-g)	**06**	**66**	**20**	**86**	**34**	**-**	**34**	**100**	**20**	**120**
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										

Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	01	20	-	20	-	-	-	20	-	20
Disease Management	03	51	09	60	-	-	-	51	09	60
Feed & fodder technology	01	15	-	15	05	-	05	20	-	20
Production of quality animal products										
Others (pl specify)Goat Management	01	18	-	18	02	-	02	20	-	20
Total	**06**	**104**	**09**	**113**	**07**	**-**	**07**	**111**	**09**	**120**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet	01	-	18	18	-	02	02	-	20	20
Designing and development for high nutrient efficiency diet	01	-	20	20	-	-	-	-	20	20
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	01	-	20	20	-	-	-	-	20	20
Women empowerment										
Location specific drudgery reduction technologies	01	-	18	18	-	02	02	-	20	20
Rural Crafts										
Women and child care										
Others (pl specify)										
Total	**04**	**-**	**76**	**76**	**-**	**04**	**04**	**-**	**80**	**80**
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	01	19	-	19	01	-	01	20	-	20
Integrated Disease Management										
Bio-control of pests and diseases	01	17	-	17	03	-	03	20	-	20
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	**02**	**36**	**-**	**36**	**04**	**-**	**04**	**40**	**-**	**40**
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										

Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production	01	18	-	18	02	-	02	20	-	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 (To aware about PMFBY)	01	17	-	17	03	-	03	20	-	20
Total	**02**	**35**	**-**	**35**	**05**	**-**	**05**	**40**	**-**	**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	**20**	**241**	**105**	**346**	**50**	**04**	**54**	**291**	**109**	**400**

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

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil & water conservatioin										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)										
Total										
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	02	11	09	20	20	-	20	31	09	40
Off-season vegetables										
Nursery raising	01	16	-	16	04	-	04	20	-	20

Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify) Micro irrigation in vegetable crops	01	07	-	07	13	-	13	20	-	20
Total (a)	**04**	**34**	**09**	**43**	**24**	**-**	**24**	**91**	**09**	**80**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards	01	10	02	12	08	-	08	18	02	20
Plant propagation techniques										
Others (pl specify) cultivation of minor fruits										
Total (b)	**01**	10	02	12	08	-	08	18	02	20
c) Ornamental Plants										
Nursery Management	01	18	01	19	01	-	01	19	01	20
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify) Advanced cultivation of marigold	01	20	-	20	-	-	-	20	-	20
Total (c)	**02**	**38**	**01**	**39**	**01**	**-**	**01**	**39**	**01**	**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										
Processing and value addition										
Others (pl specify)										
Total (f)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition	01	10	10	20	0	-	0	10	10	20
Others (pl specify)										
Total (g)	**01**	**10**	**10**	**20**	**0**	**-**	**0**	**10**	**10**	**20**
GT (a-g)	**08**	**92**	**22**	**114**	**46**	**-**	**46**	**138**	**22**	**160**
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management										
Poultry Management	01	14	04	18	02	-	02	16	04	20
Piggery Management										
Rabbit Management										

Animal Nutrition Management	02	33	02	35	03	02	05	36	04	40
Disease Management	04	67	09	76	04	-	04	71	09	80
Feed & fodder technology	01	15	-	15	05	-	05	20	-	20
Production of quality animal products										
Others (pl specify)Goat Management	01	18	-	18	02	-	02	20	-	20
Total	**09**	**147**	**15**	**162**	**16**	**02**	**18**	**163**	**17**	**180**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	01	-	20	20	-	-	-	-	20	20
Design and development of low/minimum cost diet	02	-	38	38	-	02	02	-	40	40
Designing and development for high nutrient efficiency diet	01	-	20	20	-	-	-	-	20	20
Minimization of nutrient loss in processing	01	-	17	17	-	03	03	-	20	20
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques	01	-	20	20	-	-	-	-	20	20
Value addition	01	-	20	20	-	-	-	-	20	20
Women empowerment	01	-	20	20	-	-	-	-	20	20
Location specific drudgery reduction technologies	01	-	18	18	-	02	02	-	20	20
Rural Crafts										
Women and child care										
Others (pl specify)Minimization of nutrient loss intechniques										
Total	**09**	**-**	**173**	**173**	**-**	**07**	**07**	**-**	**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	02	37	-	37	03	-	03	40	-	40
Integrated Disease Management										
Bio-control of pests and diseases	02	37	-	37	03	-	03	40	-	40
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	**04**	**74**	**-**	**74**	**06**	**-**	**06**	**80**	**-**	**80**
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										

Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production	01	06	-	06	14	-	14	20	-	20
Organic manures production	01	18	-	18	02	-	02	20	-	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 (To aware about PMFBY)	01	17	-	17	03	-	03	20	-	20
Total	**03**	**41**	**-**	**41**	**19**	**-**	**19**	**60**	**-**	**60**
X CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	**33**	**354**	**210**	**564**	**87**	**09**	**96**	**441**	**219**	**660**

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

Area of training	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	01	10	-	10	-	-	-	10	-	10
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	01	-	10	10	-	-	-	-	10	10
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts	02	-	19	19	-	01	01	-	20	20
Production of quality animal products										
Dairying	01	08	-	08	02	-	02	10	-	10
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production	01	07	-	07	03	-	03	10	-	10
Ornamental fisheries										

Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify) Fodder production and Preservation technology										
TOTAL	**06**	**25**	**29**	**54**	**05**	**01**	**06**	**30**	**30**	**60**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL										

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

Area of training	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	01	10	-	10	-	-	-	10	-	10
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	01	-	10	10	-	-	-	-	10	10
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts	02	-	19	19	-	01	01	-	20	20
Production of quality animal products										
Dairying	01	08	-	08	02	-	02	10	-	10
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production	01	07	-	07	03	-	03	10	-	10
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify) Fodder production and Preservation technology										
TOTAL	**06**	**25**	**29**	**54**	**05**	**01**	**06**	**30**	**30**	**60**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
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										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
TOTAL										

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

Area of training	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	02	50	-	50	10	-	10	60	-	60
Integrated Nutrient management										
Rejuvenation of old orchards	01	25	-	25	05	-	05	30	-	30
Protected cultivation technology	01	24	-	24	06	-	06	30	-	30
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care	01	-	23	23	-	07	07	-	30	30
Low cost and nutrient efficient diet designing	01	-	25	25	-	05	05	-	30	30
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals	02	50	-	50	04	-	04	54	-	54
Livestock feed and fodder production	02	48	-	48	07	-	07	55	-	55
Household food security										
Any other (pl.specify)										
TOTAL	**10**	**197**	**48**	**245**	**32**	**123**	**44**	**229**	**60**	**289**

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

Area of training	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	02	50	-	50	10	-	10	60	-	60
Integrated Nutrient management										
Rejuvenation of old orchards	01	25	-	25	05	-	05	30	-	30
Protected cultivation technology	01	24	-	24	06	-	06	30	-	30
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care	01	-	23	23	-	07	07	-	30	30
Low cost and nutrient efficient diet designing	01	-	25	25	-	05	05	-	30	30
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals	02	50	-	50	04	-	04	54	-	54
Livestock feed and fodder production	02	48	-	48	07	-	07	55	-	55
Household food security										
Any other (pl.specify)										
TOTAL	**10**	**197**	**48**	**245**	**32**	**123**	**44**	**229**	**60**	**289**

Table: Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Increasing production and productivity of crops										
Commercial production of vegetables										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management										
Production of Inputs at site										
Methods of protective cultivation										
Others (pl. specify)										
Total										
Post harvest technology and value addition										
Processing and value addition										
Others (pl. specify)										
Total										
Farm machinery										
Farm machinery, tools and implements										
Others (pl. specify) **F.T.T.**										
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)FTT										
Total										
GRAND TOTAL										

Name of sponsoring agencies involved

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

Area of training	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	s									

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	145	1810	125	1935
Diagnostic visits	30	570	15	585
Field Day	05	358	25	383
Group discussions	-	-	-	-
Kisan Ghosthi	57	8542	475	9017
Film Show	05	240	22	262
Self -help groups	04	100	-	100
Kisan Mela	03	645	60	705
Exhibition	02	350	17	367
Scientists' visit to farmers field	330	410	25	435
Plant/animal health camps	02	170	10	180
Farm Science Club	05	150	-	150
Ex-trainees Sammelan	-	-	-	-
Farmers' seminar/workshop	05	310	10	340
Method Demonstrations	-	-	-	-
Celebration of important days	05	480	35	515
Special day celebration	02	310	10	320
Exposure visits	05	270	12	282
Total	**605**	**14715**	**841**	**1556**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature -03	5000
News paper coverage	148
Popular articles	05
Radio Talks	06
TV Talks	05
Animal health amps (Number of animals treated)	-
Others (pl. specify)	03
Total	**5166**

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only							
	Voice only							
	Voice & Text both							
	Total Messages							
	Total farmers Benefitted							

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

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

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

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Wheat	DBW 187	Certified	132.85	256482.00	-
	Paddy	PR 113	Certified	114.57	-	-
Oilseeds						
Pulses						
Commercial crops						
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						

Others						
Total				**247.42**	**256482.00**	

Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
Vegetable seedlings	Tomato	Pusa Hybrid-8	F1	3820	-	04
		Arka Vishal	F1	4110	-	09
	Brinjal	Kashi Sandesh	F1	3825	-	07
Fruits		Pusa Hybrid-6	F1	4450	-	10
	Chilli	ArkaMeghana	F1	4030	-	05
		Kashi Anmol	F1	4890	-	11
Ornamental plants	Onion	Pusa Red	F1	25595	-	16
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
Total				**46720**		**62**

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				
Total				

Table: Production of livestock materials

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

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	**170**	**166**	**142**	**10000.00**
Water				
Plant				
Manure				
Others (pl.specify)				
Total	**170**	**166**	**142**	**10000.00**

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted	Date of SAC
KVK Shahjahanpur	01	13.12.2021

IX. NEWSLETTER/MAGAZINE

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

X. PUBLICATIONS

Category	Number
Books	-
Technical bulletins	**04**
Research Paper	01
Lead Papers	-
Book Chapters	01
Popular Articles	05
Newsletters	02
Technical reports	24
Others (pl. specify)	-
Total	**37**

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

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

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

Introduction of alternate crops/varieties

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

Major area coverage under alternate crops/varieties

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

Farmers-scientists interaction on livestock management

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

Animal health camps organised

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

Seed distribution in drought hit states

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

Large scale adoption of resource conservation technologies

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

Awareness campaign

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

XIII. DETAILS ON HRD ACTIVITIES

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

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

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

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

XIV. CASE STUDY

Success Story-Bee Keeping - 2021

Specific Technology: Production of Honey.
Name of KVK: KVK, Shahjahanpur
Crop and Variety:
Name of farmer and Address: Sri Omendra Vikram Singh S/o Sri Mahipal Singh, Village- Nagariya Bujurg, Block-Powayan, Tehsil- Powayan, Shahjahanpur

Background Information about farmer's field: Five years before he started honey bee unit with 20 boxes. In present in his unit 80 boxes are in use with successful Enterpenureship.

Details of Technology Demonstrated:- Provided technical knowledge of bee keeping.

Institutional Involvement: KVK Scientists visited honey bee unit and under their guidance technical updation of knowledge is provided.

Success Point: The farmer used to get annual income of Rs. 312000.00 from Bee Keeping .

Farmers Feed Back: Farmers appreciated the technology it gave an additional income of Rs. 258000.00

Performance of Technology vis-a-vis local check (Increase in productivity and returns)

1) Before Intervention

Components	Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Bee Keeping	20	600Kg	54000.00	36000.00
Total			**54000.00**	**36000.00**

2) Status in 2021

Component Description	Period 2020-21				% increase over base year	
Components	**Number**	**Production (Q/Liter/No.)**	**Gross Income (Rs.)**	**Net Income (Rs.)**	**Production**	**Income**
Bee Keeping	80	2400kg	312000.00	212000.00	300	488.88
Total			**312000.00**	**212000.00**	**300**	**488.88**

XIV. AGRICULTURAL TECHNOLOGY INFORMATION CENTRE

A. Details on ATICs

S. No	Name of the ATIC	Name of the Host Institute	Name of the ATIC Manager
1.	KVK-Shahjahanpur	SVPUAT&T, Meerut	Dr. N.P. Gupta

B. Details on Farmer's visit

S. No	Purpose of visit	Number of farmer's visited
01	Technology Information	316
02	Technology Products	28
03	Others if any pl. specify	-

C. Facilities in the ATIC which are in operation

S. No	Particulars	Availability (Please √ mark)	Number of ATICs
01	Reception counter		
02	Exhibition / technology museum	✓	06
03	Touch screen Kiosk		
04	Cafeteria	✓	
05	Sales counter		
06	Farmer's feedback register	✓	01
07	Others if any (please specify)	✓	14

D. Technology information provided

D.1. Details on technology information

S. No	Information category	Number of ATICs	Total number of farmers benefitted	Category of information						
				Varieties / hybrids	Pest management	Disease management	Agro-techniques	Soil and water conservation	Post Harvest technology and Value addition	Animal Husbandry and fisheries
01	Kisan Call Centre / other Phone calls from farmers									
02	Video shows									
03	Letters received									
04	Letters replied									
05	Training to farmers / technocrats / students									
06	Others pl. specify									

D.2 . Publications (Print & Electronic media)

S. No	Particulars	Number sold	Revenue generated in Rs.	Number of farmers benefited
01	Books			
02	Technical bulletins			
03	Technology Inventory			
04	CDs			
05	DVDs			
06	Video films			
07	Audio CDs			
08	Others if any (please specify)			

E. Technology Products provided

S. No	Particulars	Quantity	Unit of quantity	Value in Rs.	Number of farmers benefited
01	Seeds	247.42	Quintal	256482.00	-
02	Planting materials	46720	Numbers	-	62
03	Livestock		Numbers		
04	Poultry birds		Numbers		
05	Bio-products		Quintals		
06	Others pl. specify				

F. Technology services provided

S. No	Particulars	Number of farmers benefited
01	Soil and water testing	**166**
02	Plant diagnostics	122
03	Details about the services to line Departments	310
04	Others if any (please specify)	-

XV. TECHNOLOGICAL BACKSTOPPING BY DIRECTORATES OF EXTENSION

States covered:

Number of Directorates of Extension:

A. Details on Directors of Extension

S. No	Name of the SAU	Name of the Director of Extension	Number of KVKs for which technological backstopping is provided					
			SAU/CAU	DU	ICAR	NGO	SDA	Others (pl. specify)

B. Workshops / meetings organized

S.No.	Details of workshop/meeting conducted	No. of KVKs participated

C. Visits made by DE / Officials in the Directorate to KVKs

S.No.	Particulars	Number of visits
01	SAC meetings	01
02	Field days	
03	Workshops / seminars	01
04	Technology week	
05	Training programmes	01
06	Others pl. specify	

D. Overseeing of KVKs activities

S.No.	Particulars	Number of fields visited	Major observations / remarks	Major suggestions given
01	On Farm Trials	01	Crop Growth//Disease Infestation	Yield Attributes Parameters
02	Front Line Demonstration	01	Crop Growth//Disease Infestation	Yield Attributes Parameters
03	Others pl. specify			

E. Publication on Technology inventory

S.No.	Particulars	Number
01	Directorates published the technological inventory	
02	Directorates constantly updating the technological inventory	

F. Technological Products provided to KVKs

S.No.	Major technologies provided	Number of KVKs
01	Seeds	
02	Planting materials	
03	Bio-products	
04	Livestock breed	
05	Livestock products	
06	Poultry breed	
07	Poultry products	
08	Others pl. specify	

XVI Achievement of Special programmes

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

S. No.	Name of QP/Job role	Duration (hrs)	No. of Courses Organised	No. of Participants						
				SCs/STs		Others		Total		TOTAL
				Male	Female	Male	Female	Male	Female	
1	Agriculture Extension Service Provider	200								
2	Agriculture Machinery Demonstrator	200								
3	Agriculture Machinery Operator	200								
4	Agriculture Machinery Repair and Maintenance Service Provider	200								
5	Animal Health Worker	300								
6	Aquaculture Technician	200								
7	Aquaculture Worker	200								
8	Aquarium Technician	200								
9	Artificial Insemination Technician	400								
10	Assistant Gardener	200								
11	Beekeeper	200								
12	Brackwishwater Aquaculture Farmer	210								
13	Broiler Farm Worker	200								
14	Citrus Fruit Grower	200								
15	Community Service Provider	200								
16	Dairy Farmer - Entrepreneur	200								
17	Fish Seed Grower	210								
18	Floriculturist - Open cultivation	200								
19	Floriculturist - Protected cultivation	200								
20	Forest Nursery Raiser	200								
21	Freshwater Aquaculture Farmer	200								
22	Friends of Coconut Tree	200								
23	Greenhouse Operator	200								
24	Group Farming Practitioner	200								

25	Harvesting Machine Operator	200								
26	Hatchery (Fishery) Production Worker	200								
27	Layer Farm Worker	200								
28	Mango Grower	200								
29	Medicinal Plants Cultivator	200								
30	Micro Irrigation Technician	200								
31	Mushroom Grower	200								
32	Nursery Worker	200								
33	Organic Grower	200								
34	Ornamental Fish Technician	200								
35	Packhouse Worker	200								
36	Quality Seed Grower	200								
37	Seed Processing Plant Technician	200								
38	Sericulturist	200								
39	Service and Maintenance Technician-Farm Machinery	205								
40	Shrimp Farmer	240								
41	Small poultry farmer	240								
42	Soil & Water Testing Lab Analyst	240								
43	Soil & Water Testing Lab Assistant	200								
44	Supply Chain Field Assistant	200								
45	Tea Plantation Worker	200								
46	Tractor Operator	200								
47	Vermicompost Producer	200								
	TOTAL									

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

a) CRM Machinery procured by KVKs Transferred from KVK, Hastinapur and Baghpat, 2021

S.No.	Name of the Machine/ Equipment	No. of machines procured
1	Happy Seeder	3
2	Reversible M.B. Plough	2
3	Paddy Straw Chopper/ Shradder / Mulcher	5
4	Zero Till Drill	2
5	Rotavator	0
6	Tractor	0
	Total	**12**

b) IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities	No. of Participants
1.	Kisan Melas organized	01	300
2.	Awareness programmes conducted at Village Panchayat/ Block/ District Level	07	800
3.	Mobilization of schools and colleges through essay completion, painting, debate etc.	02	300
4.	Demonstration conducted (ha)	39	64
5.	Training Programmes conducted	03	75
6.	Exposure visits organized	03	90
7.	Field /harvest days organized	-	-
	Total	**55**	**1629**

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.	34
3.	Hoarding fixed (at Mandi/ Road side/Market/ Schools/ Petrol pump/ Panchayat etc.)	20
4.	Poster/Banner placed	20
5.	Publicity material - leaflets/ pamphlets etc. distributed	4000
6.	TV programmes/ panel discussions Doordarshan/ DD-Kisan and other private channels	-
7.	Wall writing	30
	Total	**4104**

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	Dairy Based Integrated farming System	01	12	02	02	10	40
2	Horticulture Based Integrated farming System	01	14.05	04	03	20	60

7) Achievements under Mera Gaon Mera Gaurav (MGMG) project

No. of institutes/ universities involved	Total No of Groups/team formed	No. of Scientists Involved	No. of villages covered	No. of field activities conducted	No. of messages/ advisory sent	Farmers benefited (No.)

8) Achievements of Farmers FIRST programme

NRM Module		Crop Module		Horticulture Module		Livestock & Poultry			IFS Model		Extension Activities	
Demon.	No Farm Families	Demon.	No Farm Families	Demon.	No Farm Families	Demon.	No Farm Families	No of Animals	Demon.	No Farm Families	No. of prog	Farmers

9) Activities performed under NARI programme

Table-9.1: Details of activities performed under NARI programme

Activities	Number of activity	No. of farmers/ beneficiaries
OFTs – Nutritional Garden (activity in no. of Unit)		
OFTs – Bio-fortified Crops (activity in no. of Unit)		
OFTs – Value addition (activity in no. of Unit/Enterprise)	01	20
OFTs - Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)	01	05
FLDs – Nutritional Garden (activity in no. of Unit)	01	05
FLDs – Bio-fortified Crops (activity in no. of Unit)		
FLDs – Value addition (activity in no. of Unit/Enterprise)		
FLD- Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)	01	05
Trainings	03	60
Extension Activities	06	456
Grand Total	**13**	**551**

Table-9.2: Details of Bio-Fortified Crops used for nutritional security under NARI programme

Category	Bio Fortified Crop	Variety	Area (ha)	No of Beneficiaries
Cereal	Maize			
	Rice			
	Wheat			
Millet	Finger millet			
	Pearlmillet			
	Sorghum			
Oilseed	Groundnut			
	Mustard			
Pulses	Lentil	Pusa Ageti Masoor 1	2.0	05
	Lathyras			
Vegetable	Cauliflower			
Tuber	Sweet Potato			
Total				

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

Sample	No. of Samples in lakh	No. of Farmers in lakh	No. of Villages in lakh	Amount realized (Rs. in lakhs)	No. of Soil Health Cards issued (lakhs)
Soil	0.00170	0.00166	0.00147	0.10	
Water					
Plant					
Manure					
Total	**0.00170**	**0.00166**	**0.00147**	**0.10**	**0.000170**

11) 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

12) Achievements under ARYA Project

Name of entrepreneurial units	No. of entrepreneurial units established	No. of Training programs organised	No. of rural youth trained		No. of youth established units	
			Male	Female	Male	Female
Mushroom production						
Fruits and vegetable processing units,						
Horticulture nursery						
Fish farming						
Poultry						
Goat farming						
Piggery						

Duck farming						
Bee keeping						
Others if any						

13) Achievements under Rainwater Harvesting Structures

Sr. No.	Activities	Number
1	Training programmes	
2	Demonstration	
3	Plant materials produced	
4	Visit by farmers	
5	Visit by officials	

14) 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							

15) NEMA (New Extension Methodologies and Approaches)

Name of Crop with variety	No. of districts	No. of Villages selected	No. of Blocks	No. of household selected	
				Adapter household	Non adapter household

16) Achievements under CSISA (Cereal System Initiative for South Asia) project

S.No.	Name of Programme	Number/quantity
1	Plantation by paddy uppulling	
2	DSR	
3	Laser leveler	
4	Training	
5	Kisan Mela	
6	Seminar	
7	Seed production (q)	

17) Achievements under NIFTD (National Initiatives for fodder technology demonstrations)

Name of fodder	Variety	Production (q)	Training courses	No. of farmers benefitted

18) Achievements under Swachhata Abhiyan Mission

S.No.	Items	No. of Programmes	No. of persons paticipated
1	Toilet maintenance		
2	Road, drain cleaning	01	25
3	Garbage disposal	02	15
4	Door to door awareness	01	10
5	Awareness campaign		
6	Nookkad Drama		
7	School Drama		
8	School rally		
9	Writing paining slogans		
10	Composting		
11	Other		

19) 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	

XVI Awards

S.No.	Name of Award received	Name of KVK/farmer	Year of Award	Date on which award received
	Young Scientist Award	**Dr. S. K. Verma**	**2021**	**25.04.2021**
	KVK CRM Farmer Award	**Virendra Dixit**	**2021**	**03.09.2021**

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

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