KRISHI VIGYAN KENDRA
SAHARANPUR

Annual Progress Report
(January – December 2022)

Directorate of Extension
S.V. Patel University of Agriculture & Technology
Meerut (U.P)

KVK SAHARANPUR
ANNUAL REPORT (January - December 2022)
APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	59	993	198	1191
Rural youths	6	35	25	60
Extension functionaries	6	50	10	60
Sponsored Training	15	490	267	757
Vocational Training	3	65	5	70
Total	**89**	**1633**	**505**	**2138**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	75	30.0	
Pulses	85	30.0	
Cereals	60	24.0	
Vegetables	10	0.5	
Fruit	12	3.8	
Total	**242**	**88.3**	
Livestock & Fisheries	20	0	20
Other enterprises	25	0	25
Total	**45**	**0**	**45**
Grand Total	**287**	**88.3**	**45**

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	3	3	15
Livestock	1	1	5
Various enterprises	3	3	12
Total	**7**	**7**	**32**
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total	0	0	0
Grand Total	**7**	**7**	**32**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	1834	10671
Other Extension activites	142	2456
Total	**1976**	**13127**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Lives-tock	Weather	Marke-ting	Aware-ness	Other enterpris e	Total
Saharanp	Text only	148	52	22	0	125	11	358

ur	Voice only	9	3	5	0	21	2	40
	Voice & Text both	35	12	8	0	26	12	93
	Total Messages	192	67	35	0	172	25	491
	Total farmers Benefitted	**3459**	**1236**	**1028**	**0**	**8598**	**971**	**15292**

6. Seed & Planting Material Production

	Qty./Number	Value (Rs.)
Seed (q)	-	-
Planting material (No.)		
Bio-Products (kg)	500	65000.00
Livestock Production (No.)	-	-
Fishery production (No.)	-	-
Mushroom spawn (kg)		
Vermicompost (kg)	800	4000.00
Worm(kg)	5	2500.00

7. Soil, water & plant Analysis

Type of Samples	No. of samples analysised	No. of Beneficiaries	Value Rs.
Soil	565	565	49120.00
Water			
Plant			
Total	**565**	**565**	**49120.00**

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	7
2	Conferences	2
3	Meetings	15
4	Trainings for KVK officials	2
5	Visits of KVK officials	12
6	Book published	0
7	Training Manual	3
8	Book chapters	0
9	Research papers	0
10	Lead papers	0
11	Seminar papers	1
12	Extension folder	11
13	Proceedings	2
14	Award & recognition	3
15	On going research projects	2

DETAIL REPORT OF APR - 2022

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
KrishiVigyan Kendra KhajuriBagh, Near Numaish Camp, New Gopal Nagar Saharanpur-247001 (U.P.)	0132-2664480	0132-2664480	kvksaharanpur01 @gmail.com	saharanpur.kvk4.in

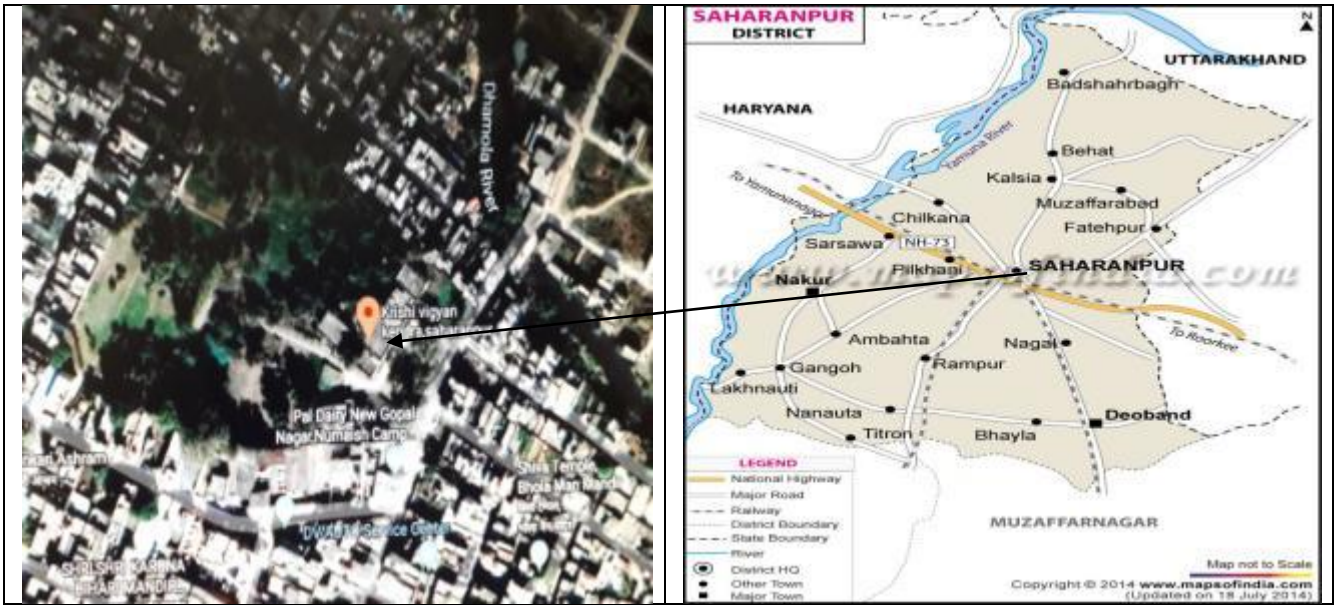
1.2 .Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail	Website
	Office	FAX		
SardarVallabhbhai Patel University of Agril.& Tech., Modipuram, Meerut-250110 (U.P.)	0121-2888511	0121-2888511	deesvpuat2014 @gmail.com	svbpmeerut.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. I.K. Kushwaha	--	9412376121	kvksaharanpur01@gmail.com

1 .4. Year of sanction: 1992



1.5. Staff Position (as on 31th December, 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joinin	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Age	Email id
1	Subject Matter Specialist	Dr. I.K. Kushwaha	Professor/OIC (Plant Protection)	Ph.D (P.P.)	37400-67000	193800	10.04.1995	Permanent	OBC	9412376121	56	kushwahaik66@gmail.com
2	Subject Matter Specialist	Dr. Sukhdev Singh	Prof.(Agro-forestry)	Ph.D9Agro-Forestry)	37400-67000	193800	05.07.1996	Permanent	OBC	9412522255	56	singh.sd3@rgmail.com
3	Subject Matter Specialist	Dr. Manoj Singh	SMS/Asstt. Prof.(Animal Science)	P.hD(Animal Science)	15600-39100	101100	23.06.2008	Permanent	Gen	9897494833	45	singhmanoj_21@rediffmail.com
4	Subject Matter Specialist	Dr. Ravindera Tomer	SMS/T-6(Agrnomy)	P.hD(Agro.)	15600-39100	56100	01.07.2022	Temporarily	Gen	9557043170	29	ravindertomar07@gmail.com
5	Subject Matter Specialist	Dr. Shalini Singh	SMS/T-6(Agrnomy)	P.hD(Horticulture)	15600-39100	56100	02.07.2022	Temporarily	Gen	8887558141	30	drshalinisinghhorti@gmail.com
6	Subject Matter Specialist	Miss. Kawita Bhatt	SMS/T-6(Home Science)	M.Sc.(Home Science)	15600-39100	56100	12.07.2022	Temporarily	Gen	9557384259	28	kavitabhatt822@gmail.com
7	Farm manager	Dr. Virendra Kumar	Prog. Asstt.	Ph.D (Ag. Botany)	9300-34800	86100	01.07.1998	Permanent	OBC	9837712827	56	virendrakumar053@gmail.com

8	Computer Programmer	Sh. R. R Dhaneshwar	Prog. Asstt. (Comp.)	PGDCA(2yr) & MCA	9300-34800	7880 0	27.10.1999	Permanent	SC	9927279434	47	rajdhaneshwar_152@yaho o.co.in
9	O/S cum Acctt.	Sh. Ashwani Kumar	O/S cum Acctt.	B.A	9300-34800	5690 0	30.07.2007	Permanent	SC	9897656491	49	ashwanikvk@gmail. com
10	Stenographer	Sh. Sumit Kumar	Jr. Steno	BCA, LLB	5200-20200	42800	30.07.2007	Permanent	OBC	9412663575	41	
11	Driver	Sh. Sanjay Kumar	Driver	B.A	5200-20200	33300	30.07.2007	Permanent	Other	9756909699	53	
12	Supporting staff	Sh. Sita Ram	Attenda nt	B.A	4440-7440	38600	01.07.1998	Permanent	Other	9411033979	54	

1.6. Total land with KVK (in ha) : 10.109 ha

Sl. No.	Item	Area (ha)
1	**At Administrative campus**	2.290
2	Orchard/Agro-forestry	5.869
3	Crop	0.90
4	Farm office & threshing floor	0.05
5	Guava orchard	1.000
	Total:	**10.109**

1.7. Infrastructural Development:

A) Buildings

Sl. No.	Name of building	Source of funding	Stage				
			Complete			Incomplete	
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs. in lakh)	Starting Date	Status of construction
1.	Administrative Building	ICAR	April 2005	550 m^2	31.50	01.06.06	Completed

2.	Farmers Hostel	ICAR	2008	300 m^2		01.06.06	Completed
3.	Staff Quarters (6)	ICAR	2008	431 m^2		01.06.06	Completed
4.	Demonstration Units/IFS/ ATIC (9)	ICAR	2008 & 2017	760 m^2		01.06.06 & 17.03.2017	Completed
5.	Fencing	ICAR	2008	1000 m^2		01.06.06	Completed
6.	Irrigation Channel	ICAR	2008	800 m		01.06.06	Completed
7.	Threshing floor	ICAR	2008	300 m^2		01.06.06	Completed
8.	Farm godown	ICAR	2008	60 m^2		01.06.06	Completed
9.	Food processing Lab(Centre of Excellence)	UPCAR	--		25.00	09.12.2021	Completed

B) Vehicle

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	2009	4,85,000.00	237282	Working condition
Motor Cycle	2003	57,680.00	35398	Not Working

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Photo Copier Machine with Voltage Stabliser also two Toner	30.12.1999	66200.69	Not working
Over Head Projector	10.12.1999	15645	Not working
LCD Projector Panasonic	30.03.2007	57000	Working
VCR	21.10.2000	12450	Not working
TV	21.10.200	13900	Not Working
Camera Pantex	21.10.2000	22400	Not working
Digital Camera	30.03.2004	8450	Not working
Scanner	30.03.04	7400	Not working
Fax Machine	30.03.04	15000	Not working

1.8. A). Details SAC meeting conducted in the year 2021 on dated 28.12.2021.

S.N.	Date	Name of officials and Members	Decision Taken	Action Taken
1	28.12.2021	Shri D.S.Rajput Joint Director Agriculture	For extension and publicity, Krishi Vigyan Kendra Mela Maha utsav should be prepared and sent, for which provision of budget will be made.	A proposal has been sent to organize the Mushroom Maha utsav (Festival) in January 2023.
2		Dr. Vipin Parmar	The farmer is able to produce with the technical support of the scientists, but there is a problem in selling the product, for this there should be publicity and extension programmes.	During the F.P.O. related meeting organized by the centre under the chairmanship of the District Officer, problem of product sale was raised before the buyers from outside, on which action is going on.
3		Mr. Sethpal Singh	Farmers should be informed about mango black spot through newspapers before its occurrence in their orchard. A program should be run to connect the unemployed youth in the village for employment and organic products should be promoted.	Information is being given to solve the said problem through farmer talks, training programs and newspapers. Unemployed youth are being given mushroom, animal husbandry and food processing training for employment.
4		Shri Ramveer Singh	Organic pesticides	The Center is making and

		Chauhan	(biopesticides) should be encouraged instead of chemical pesticides for fruit production in mango and guava orchards.	testing Neemastra to solve the said problem
5		Mr. Satyaveer Singh	Agricultural problem programs should be organized for the farmers.	Programs are being organized to solve the problems.
6		Mrs. Trishala Devi	Women's camps should be organized for women's health to remove the problems arising due to lack of information about health among rural women.	This year two camps (shivir) have been organized by the Home Science Scientist. In future, nutrition and health camps will be organized after contacting the health department.
7		Mr. Togadia	Lemon grass sample testing lab should be established in the district so that it can get the price according to its quality.	Contacted CIMAP Lucknow, they have given assurance of lemon grass oil test sample.
8		Smt. Savita Saini Member Disha Social Organization	Agricultural women should be made aware about the health of the family through nutrition gardens. Saplings/seedlings of the latest species should be made available by the center in mango and vegetable nurseries.	Three nutrition gardens have been made by the rural women under the FLD program where seeds of latest vegetable varieties have been given to 10 farmers by the center.

2. DETAILS OF DISTRICT (31st December, 2022)

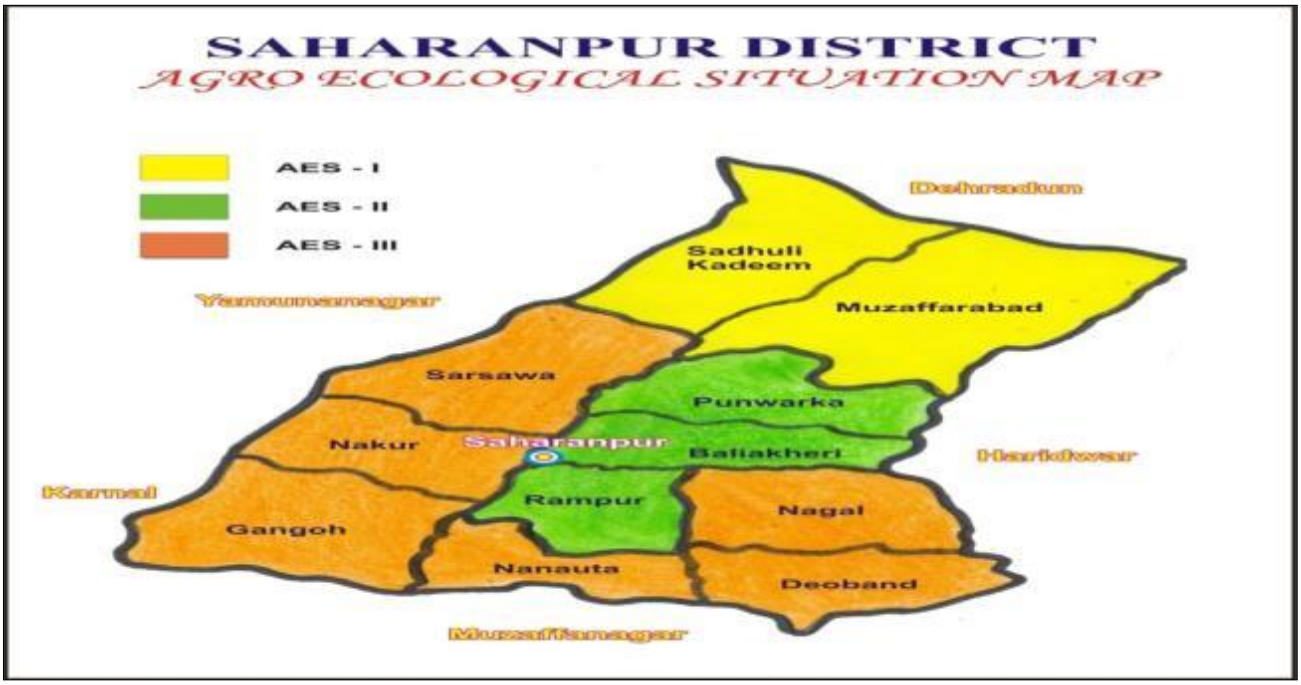
2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

Sl. No.	Farming system/enterprise
1	Agri. + Hort. + A.H.
2	Agri. + A.H.
3	Landless + A.H.

2.2. Description of Agro-climatic Zone & major agro ecological situations

Table – AGROECOLOGICAL SITUATIONS OF SAHARANPUR DISTRICT

Sl. No.	AES	Characteristics of AES	Major Commodities	Farming System	Blocks
1.	I	More than 60 % of area rain fed, sandy and sandy loam	Maize, Wheat, Groundnut, Lentl, Guava, Mango, Brinjal, Bitter-guard, Cow, Goat, Sheep	Maize, Groundnut based+ Hort+AH (Cow, Goat, Sheep)	S. Kadeem, Muzaffarabad
2.	II	Irrigated Loam, Clay Loam soils	Rice, Wheat, S.cane, Mango, Vegetables, Buffalo, Cow	Paddy, Wheat, S. cane based+A.H. (Cow, Buffalo)+ Hort	Rampur, Baliakheri, Puwanrka
3.	III	Irrigated Sandy Loam, Loam (S.cane predominant)	S.cane, Wheat, Urd, Paddy, Mustard, Buffalo, Cow	S.cane based +Horticulture+A.H. (Cow, Buffalo)	Deoband, Nagal, Sarsawa, Nakur, Nanauta, Gangoh



2.3 Soil types

Sl. No.	Soil type	Characteristics	Area (ha)
1	Sandy	Size- >0.02 mm WHC- Low Fertility – Very Low	45860.00
2	Sandy loam & Loam	Size- 0.02-0.002 mm WHC- Medium Fertility – Medium	152240.00
3	Clay loam	Size- <0.002 mm WHC- High Fertility – High	83620.00
	Total:		**281720.00**

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

Sl.No.	Name of the commodity	Area (ha)	Productivity (q/ha)
1	Paddy	76200	28.40
2	Wheat	115000	32.10
3	Sugarcane	98870	810.00
4	Groundnut	3890	10.58
5	Urd	2545	9.85
6	Maize	8575	14.90
7	Gram	2450	10.90
8	Lentil	2848	6.85
9	Mustard	1850	11.77
10	Groundnut	2756	8.75
11	Field Pea	875	12.28

AREA, PRODUCTION AND PRODUCTIVITY OF IMPORTANT COMMODITIES IN SAHARANPUR DISTRICT

Sl.No.	Name of the commodity	Area (ha)	Productivity (ton/ha)
A	**Vegetables**		
1	Cole crops	6000	29.00
2	Brinjal	4610	34.00
3	Tomato	1975	31.00
4	Pea	1905	15.45
5	Cucurbits	9400	17.10

6	Potato	1020	24.56
7	Capsicum	275	18.60
8	Okra	1825	16.00
B	**Spices**		
1	Onion	215	21.00
2	Chilli	218	16.00
C	**Fruits**		
1	Mango	26245	365.00
2	Guava	2325	660.00
3	Litchi	1500	9.16
4	Peach	225	114.00

2.5 Weather data (Rainfall) :

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
Jan., 2022	17	24.2	1.6	75
Feb., 2022	18	31	4.5	70
March, 2022	2	35.5	9.2	70
April, 2022	5.5	40	11.2	65
May, 2022	121.5	39.2	18.5	63
June, 2022	112.5	39.4	21	55
July, 2022	498.6	39.8	24.6	72
Aug., 2022	508.5	41.2	25.2	78
Sept., 2022	175	35.5	22.8	81
Oct., 2022	62.4	36.2	11	38
Nov., 2022	32.5	25.5	10	29
Dec., 2022	8	18	1.5	15

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

Category	Population	Production	Productivity (kg/day/animal)
Cattle	**260352**		
Crossbred	78106	89760	8.5
Indigenous	182246	120487	1.7
Buffalo	633988	1627016	5.8
Sheep	25813	36935	1.3
Goats	97072	50121	0.9
Pigs	25913	--	--
Poultry	87989	--	--

Category	Area (ha)	Production (qt.)	Productivity (qt./ha)
Fish	382	15275	43.0

2.7 Details of Operational area / Village (31st December, 2022)

Sl. No.	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Baliya Kheri	Nandi Firozpur, Chhapredi, Hasanpur Bhalasuwa	Sugarcane, Wheat, paddy, Lentil, Brinjal, Mango, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalanced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	Promoting seed production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
2	Puwarka	Punwarka, Budhha Khera Ahir, Chaurakhurd &	Sugarcane, Wheat, paddy,	Poor quality seed, Imbalance fertilizer application, No seed	Promoting seed production, IPNM, IPM, IDM, Proper health &

		Lakhnautikaln	Lentil, Urd, Mustard, Mango, Cows & Buffaloes	treatment, Improper plant protection majors, Imbalnced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
3	Nakur	Raniyala Dayalpur, Jaigehta, Dadnor	Sugarcane, Wheat, paddy, Lentil, Urd, Mustard, Mango, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalnced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	Promoting seed production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
4	Sarsanwa	Bidvi, Ahadi Kanla& Patna	Sugarcane, Wheat, paddy, Lentil, Urd, Mustard, Mango, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalnced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	Promoting seed production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
5	Nagal	Bedadi Koli Nagal & Amki	Sugarcane, Wheat, paddy, Lentil, Brinjal, Mango, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalanced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	Promoting seed production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
6	Rampur	Madnuki, Pahansu	Sugarcane, Wheat, paddy, Lentil, Brinjal, Mango, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalanced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	Promoting seed production, Promoting mushroom production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
7	Gangoh	Mubarikpur Sukheri	Sugarcane, Wheat, paddy, Lentil, Brinjal, Mango, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalanced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	Promoting seed production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
8	Muzaffarabad	Chanchak, Khusalipur & Baheda Kanla	Sugarcane, Groundnut, Wheat, paddy, Lentil,	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors,	Promoting seed production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting

			Brinjal, Mango, Cows & Buffaloes	Imbalanced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
9	Deoband	Rankhandi, Makbara & Sakhan Kanla	Sugarcane, Wheat, paddy, Lentil, Brinjal, Mango, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalanced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	Promoting seed production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
10	Sadauli Kadeem	Rampur Badkala, Meerpur Thaska	Groundnut, Guava, Wheat, paddy, Lentil, Brinjal, Mango, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalanced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	Promoting seed production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
11	Nanauta	Maheshpur, Hangawali,&Dalheri	Sugarcane, Wheat, paddy, Lentil, Brinjal, Mango, Poultry, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalanced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	Promoting seed production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills

2.8 Priority thrust areas

Crop/Enterprise	Thrust area
Rice	IPNM, Weed management, Hybrid rice, IPM, IDM, Seed production
Sugarcane	IPNM, Weed management, IPM, IDM, Seed production
Wheat	Integrated Nutrient Management, Weed management, IPM, IDM, Seed production
Oilseeds & Pulses crop	Sulphar application & IPM
Vegetables	IPNM & IPM
Animals	Endo & Ecto parasite control, Improving fertility, Nutreint management

2.9 Intervention/ Programmes for the doubling the farmers income – (Jan 2022 – Dec., 2022)

Demonstrations

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
Intercropping System (Kharif-Rabi-Zaid) - Livestock etc.							
Sugarcane-Onion	1080.00	360.00	1440.00	134220.00	52100.00	1.42	

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
Intercropping System (Kharif-Rabi-Zaid) - Livestock etc.							
Sugarcane-Onion	1230.00	350.00	1580.00	149120.00	106452.00	1.79	

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.							
Bottlegourd-Early Cauliflower-Green Gram	360.50	--	360.50	111050.00	154020.00	2.41	

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.							
Bottlegourd-Early Cauliflower-Green Gram	620.00	11.5	620.00	134860.00	236120.00	2.78	

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.							
Rice-Wheat-Dairy	94.5	2280 lit.(milk)	94.5+2280	128190.00	158560.00	2.27	

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.							
Rice-Wheat-Dairy	121.50	27.10 qt.(milk)	148.50	139550.00	216410.00	2.57	

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.							
Kharif- Rice	51	-	-	29130.00	75320.00	2.58	
Black Gram	9.8			15610.00	33230.00	2.12	
Rabi- Wheat	53			28940.00	24670.00	0.85	
Live stok	-	-	-	-	-	-	

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.							
Kharif- Rice	56	-	56	30630	105340	3.43	
Black Gram	12.4	-	12.4	19004	49800	2.62	
Rabi- Wheat	58	-	58	33910	65220	1.92	
Live stok	100 Chicks	-	100 Chicks	9540	17490	1.83	

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2022

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, 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
8-10	7	--	7	--	88.3	200	287

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	Achieve-ment	Targets	Achieve-ment	Targets	Achieve-ment	Targets	Achieve-ment
PF Farmers	100	59	2000	1191	2000	1976	4000	13212
Rural youth		6		60				
Extn. Functionaries		6		60				
Sponsored training		15		757				
Vocational Training		3		70				
Total	**100**	**89**	**2000**	**2138**	**2000**	**1976**	**4000**	**13212**

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
-	-	-	20,000	5650	15

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops:

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Varietal Evaluation	Pea	Performance of mid maturing variety of Pea (Powdery mildew resistant)	1	5
Integrated Disease Management	Paddy	Management of Nimatode in paddy crop.	1	5
	Mushroom	Wet bubble disease (Mycogone) Management in white button mushroom	1	5
Resource conservation	Mango	Central window opening system in mango orchard	1	5
		Total:	**4**	**20**

Summary of technologies assessed under livestock:

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Nutrient Management	Cow	Assessment of UMMB animal feed supplementation to control the infertility	1	5
		Total	**1**	**5**

Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
Women Empowerment	Home Science	Assessment of sugarcane stripper for cutting sugarcane crop	1	5
Integrated Farming system (IFS)	Agro forestry system	Poplar new clone under Agro-forestry System	1	2
		Total:	**2**	**7**

I.B. TECHNOLOGY ASSESSMENT IN DETAIL

VARIETAL EVALUATION

OFT-1

Problem definition: Low yield performance and disease (Powdery mildew) occurance in the varieties sown by farmers due to continuous growing of similar variety year by year.

Technology Assessed: Performance of mid maturing variety of Pea (Powdery mildew resistant)

Seed of high yielding and Powdery mildew resistant variety- Pusa Prabal as claimed by IARI, Pusa, New Delhi, were given to the farmer of Saharanpur District, who were facing the problem of low yield and yield reduction due to powdery mildew disease in the area**.** KVK Saharanpur conducted on-farm trial to evaluate the above mentioned variety in order to check its performance under given location.

Table: Performance of mid maturing variety of Pea (Powdery mildew resistant)

Technology Option	No.of trials	Seed/Pod	Pod Yield (q/ha)	% Increase in yield over farmer's practice	B:C ratio
T1- Arkel & PSM-3 (Farmers practice)	05	Result awaited			
T2- Pusa Prabal					

INTEGRATED DISEASE MANAGEMENT

OFT-2

Problem definition: *Heavy infestation of* Nematode in paddy crop *effecting in a yield loss of 5-7% and income loss of Rs.6000/ha*

Technology Assessed: Management of Nematode in paddy crop.

High incidence of Nematode in paddy crop resulting in yield loss. KVK Saharanpur conducted on-farm trial to assess the control measure in sick area. The assess technology of Paecilomyces iilacinus @1 lit./acre with irrigation water.

Table: Effect of Paecilomyces iilacinus @ 1 lit./acre with irrigation water

Technology Option	No.of trials	Incidence of root gall (%)	Yield (q/ha)	% Increase in yield over farmer's practice
Application of Furadon 8 kg/acre (Farmers practice)	05	16	42.6	-
Paecilomyces Lily @ 1 lit./acre with irrigation water		3	55.2	29.6

OFT-3

Problem definition: Heavy infestation of wet bubble disease (Mycogone) in white button mushroom effecting in a yield loss of 50% and income loss of Rs.120000/10 ton compost

Technology Assessed: Wet bubble disease (Mycogone) Management in white button mushroom

, white button mushroom is affected high incidence of wet bubble disease resulting in yield loss. KVK Saharanpur conducted on-farm trial to **assess** the control measure. The refined technology of Rouging, use of salt and spray of chlorothalonil 75 WP 0.1% reduced the percentage of disease incidence from 23 to 6 and yield was increased by 38.78 per cent.

Table: Effect of Rouging, use of salt and spray of chlorothalonil 75 WP 0.1% in control of wet bublle disease in white butto nmushroom

Technology Option	No.of trials	Incidence of root gall (%)	Yield (q/ha)	% Increase in yield over farmer's practice
Rouging and Spray of carbendazim @ 1 gm/lit (Farmers practice)	05	81	15.6	-
Rouging, use of salt and spray of chlorothalonil 75 WP 0.1%		39	20.3	30.1

RESOURCE CONSERVATION

OFT-4

Problem definition: Low yield and low income due ti highly dense mango orchards.

Technology Assessed: Central window opening system in mango orchard

Being one of the prominent mango belt farmers of Saharanpur are facing low yield resulting to low income in the highly densed old mango orchards mainly due to low light interception in the central part of trees. KVK Saharanpur conducted on-farm trial on central window opening system in old mango orchards so as to increase light interception throughout the plant canopy resulting in to increase and yield of the crop.

Table: Effect of Central window opening system in mango orchard

Technology Option	No.of trials	Seed/Pod	Pod Yield (q/ha)	% Increase in yield over farmer's practice	B:C ratio
T1- No window opening (Farmers practice)	05	Result awaited			
T2- Window opening in the month of Dec.-Jan.					

LIVE STOCK ENTERPRISES

Nutreint Management

OFT-5

Problem definition: High incidence of infertility in cows

Technology Assessed: Assessment of UMMB animal feed supplementation to control the infertility.

KVK, Saharanpurr conducted trial to assess the supplementation of urea molasses Minerals block 0n infertility of cattle. The UMMB is a high protein concentrated feed containing necessary amount of minerals and vitamins.

Table: Effect of Urea molasses Minerals block supplementation on Reproductive performance

Technology Option	No.of trials	Average milk yield lit/day	% increase	Gross cost (Rs)	Gross Return (Rs)	BC Ratio	Conception Rate (%)
T1- Use of choker and common salt (Farmers practice)	5	Result Awaitted					
T2: Supplementation of UMMB one brick for 7 days per animal (300 gm/day licking)							

OFT-6 Home Science

Problem definition: Traditional sugarcane tripping or blading cane by hand is a slow, tedious, and disagreeable business, and as the blades have sharp edges, they often cut and lacerate the hand of the operator.

Technology Assessed: Assessment of sugarcane stripper for cutting sugarcane crop.

KVK, Saharanpurr conducted trial to assess of sugarcane stripper for cutting sugarcane crop

Table: Assessment of sugarcane stripper for cutting sugarcane crop

Technology Option	No.of trials	Cardiac cost of work of the farm women	Posture of the farm women	Efficiency of the farm women	Farm women's attitude towards safety
T_1: Sugarcane stripping using traditional practice (farmers practice)	5	Result awaited			
T_2: Using sugarcane stripper for cutting sugarcane crop					

OFT-7 Agroforestry

Problem definition: Low yield & income due to old poplar clones

Technology Assessed: Poplar new clone under Agro-forestry System

KVK, Saharanpurr conducted trial to assess the Poplar new clone under Agro-forestry System.

Table: Assessmentof Poplar new clone under Agro-forestry System

Technology Option	No.of trials	Plant hight	Plant girth	Yield (q/ha)	BC Ratio
T1: Use of old.poplar clones (Farmer Practice)	2	**Result awaited**			
T2: Use of new Poplar clones					

II FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2019-20 and recommended for large scale adoption in the district

S. No.	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Wheat	Weed management	Grassy weeds control through chlodinophop and met sulfuron in wheat	Kisan Gosthi, Extension functionaries training & Campaign	57	1542	5148
2	Paddy	Weed management	Grassy weeds control through bispyribac sodium 10% in paddy	Kisan Gosthi, Extension functionaries training & Campaign	51	1845	4186
3	Paddy	IDM	Sheath blight mgt. through Trichodermaharzianum	Awareness and Demonstration	61	1352	1242
4	Fodder	Popularization of nutrifeed fodder	Popularization of nutrifeed fodder	Kisan Gosthi, Extension functionaries training & Campaign	74	684	1143
5	Groundnut	IPNM in G nut	IPNM in Ground nut	Kisan Gosthi,Field, Extension functionaries training & Campaign	21	318	946
6	Ground-nut	IPM	Mgt. of white grub through B.bassiana	Awareness and Demonstration	31	348	265
7	Mustard	IPNM in mustard	IPNM mustard	Kisan Gosthi,Field, Extension functionaries training & Campaign	56	970	1648
8	Onion	Varietal Introduction	Promotion of rabi & kharif onion variety	Kisan Gosthi,Field, Extension functionaries training & Campaign	405	981	1339
9	Guava	IPM	Management of fruit borer through Pheromone Methyeujinol lure(20Traps/ha), Lure change after 25 days interval at 3 times	Awareness and Demonstration	33	476	553
10	Sugar-cane	IPM	Application beauveriabassiana&Metarhizium for termite & white grub mgt.	Awareness and Demonstration	85	1378	2142

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

Frontline demonstration on oilseed

S. No.	Crop/Variety	Thematic area	Technology demonstrated	Season & Year	Area (ha)		No. of farmers/demo.			Reason for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Sesamum (GJT-5)	IPNM, IPM& varietal	Seeds, pesticides and fertilizers	Kharif 2022	20	10	0	25	25	--
2	Mustard(Giriraj) CFLD	IPNM, IPM& varietal	Seeds, pesticides and fertilizers	Rabi-2022-23	20	20	7	43	50	--

Details of farming situation

S. No.	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					
1	Sesamum (GJT-5)	Kharif 2022	Irrigated	Sandy Loam	Low	Medium	Low	Wheat	17.08.22	14.11.22	-	-
2	Mustard(Giriraj) CFLD	Rabi-2022-23	Irrigated	Loam	Medium	Medium	Low	Paddy	15.10.22	Result awaited		

Technical Feedback on the demonstrated technologies

S. N.	Crop	Feed Back
1	Sesamum (GJT-5)	i. Best response for the control of weeds through pendimethalin 30 % EC @ 1 kg/ha.
2	Mustard(Giriraj)	i. Variety (Giriraj) of Mustard is more productive comparison to other variety& Bold seed.

Farmers' reactions on specific technologies

S. N	Crop	Feed Back
1	Sesamum (GJT-5)	i. Farmers like Sesame grain due to rich oil content & sweetness.
2	Mustard(Giriraj	i. Variety (Giriraj) of mustard farmers like this variety due to bold seed more oil contents.

Extension and Training activities under FLD

Sl. No.	Activity	No. of activities organized	Date	Number of participants
1	Sesamum (GJT-5)			
	Farmers Training	01	12.08.2022	22
	Field days	01	20.10.2022	38
2	Mustard(Giriraj			
	Farmers Training	01	13.08.2022	22
	Field days	01	20.10.2022	97

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										
Sesamum	ICM	Seeds, pesticides and fertilizers	GJT-5	25	10	1.2	0.72	0.98	0.82	13.95	4000	7673	3673	1.9	3700	70100	3400	0.91
Mustard	ICM	Seeds, pesticides and fertilizers	Giriraj	50	20	Result awaited												

* 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

S. No.	Crop/Variety	Thematic area	Technology demonstrated	Season & Year	Area (ha)		No. of farmers/demo.			Reason for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Blackgram (PU-31)	IPNM, IPM& varietal	Seeds, pesticides and fertilizers	Kharif 2022	20	20	4	54	60	--
2	Lentil (L-4717)	IPNM, IPM& varietal	Seeds, pesticides and fertilizers	Rabi-2022-23	10	10	5	20	25	--

Details of farming situation

S. No.	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					
1	Blackgram (PU-31)	Kharif 2022	Irrigated	Sandy Loam	Low	Medium	Low	Wheat	17.08.22	29.10.22	-	-
2	Lentil (L-4717)	Rabi-2022-23	Irrigated	Loam	Medium	Medium	Low	Paddy	02.11.22	Result awaited		

Technical Feedback on the demonstrated technologies

S. N.	Crop	Feed Back
1	Blackgram (PU-31)	i. Best response for the control of weeds through pendimethalin 30 % EC @ 1 kg/ha.
2	Lentil (L-4717)	i. Variety (L-4717) of Lentil more productive comparison to other variety& Bold seed.

Farmers' reactions on specific technologies

S. N	Crop	Feed Back
1	Blackgram (PU-31)	i. Farmers like Blackgram grain due to rich of protein.
2	Lentil (L-4717)	i. Variety (L-4717) of Lentil farmers like this variety due to bold seed.

Extension and Training activities under FLD

Sl. No.	Activity	No. of activities organized	Date	Number of participants
1	Blackgram (PU-31)			
	Farmers Training	01	12.08.2022	20
	Field days	01	22.10.2022	25
2	Lentil (L-4717)			
	Farmers Training	01	27.10.2022	22
	Field days	01	--	--

Performance of Frontline demonstrations
Frontline demonstrations on pulses 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										
Blackgram	ICM	Seeds, pesticides and fertilizers	PU-31	60	20	11.2	8.3	10.1	8.7	16.09	23400	63630	40230	2.71	21400	56500	35100	1.61
Lentil	ICM	Seed	PL-4717	25	10	Result awaited												

* 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											
					High	Low	Average			Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cereals																			
Paddy	Weed Management	bispyribacsodium	10	4.0	56.0	52.6	54.0	46.2	16.8	1	9	42610	98200	55950	2.3	40340	92350	52010	2.29
Paddy	IDM	Management of neck blast disease through Mancozeb+Carbendazim @3 gm/kg seed treatment & Tebuconazole 25 EC @0.1% spray	10	4.0	58.3	56.1	56.0	48.8	14.7	3	5	45860	109760	63900	2.39	42563	95648	53085	2.24
Wheat	Weed Management	Metsulfuron chlodinafop	10	4.0	Result Awaited														
Wheat	IDM	Management of Yellow rust disease through Mancozeb+Carbendazim @3 gm/kg seed treatment & Tebuconazole 25 EC @0.1% spray	20	8.0	61.2	54.0	60.3	47.0	28.3	-	5	44600	121504	76904	2.7	46100	94705	18605	2.05
Wheat	IDM	Management of Yellow rust disease through Mancozeb+Carbendazim @3 gm/kg seed treatment & Tebuconazole 25 EC @0.1% spray	10	4.0	Result awaited														
Cauliflower	Yield improvement and varietal evaluation	To evaluate and demonstrate the yield potential of Cauliflower variety (Pusa Shukti)	10	0.5	Result awaited														
Fruit crops																			
Mango	IPM	Mgt. of shoot gall psylla maker insect in mango through thiomethoxam 1gm/lit.+Profenophos 2ml/lit.(2 spray Last Aug. & Sept. of first	5	1.0	85	62	77	60	28.3	2	15	125000	308000	183000	2.46	132000	240000	108000	1.8
Guava	IPM	Management of fruit fly insect in guava through Methyl ujinol lure with	7	2.8	36.2	34	35.6	30.6	16.5	7	26	39505	124600	85095	3.15	40000	107100	67100	2.68

		trap																	
Commercial Crops																			
Poplar	Yield improvement and varietal evaluation	Popularization of new varieties	5	2.0	Result awaited														

* 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																	
Cow	Nutrient Management	Mineral Mixture 50g/day/animal	20	20	Result Awaited												

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																	

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)
Button Mushroom	Management of wet bubble disease in white button mushroom through spray of chlorthanonil 75 WP 0.2 gm/lit	10	10	Result awaited												

FLD on Women Empowerment: Nil

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

FLD on Farm Implements and Machinery: Nil

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		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Vegetable seeds	Nutrition security through nutria garden	Demonstration of nutri-garden to add variety of nutrients to the diet.	15	15	Result Awaited												

FLD on Demonstration details on crop hybrids *(Details of Hybrid FLDs implemented during* **2022***): Nil*

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													

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										
Crop residue management	3	75	0	75	0	0	0	75	0	75
Total	**3**	**75**	**0**	**75**	**0**	**0**	**0**	**75**	**0**	**75**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	1	15	0	15	5	0	5	20	0	20
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	**1**	**15**	**0**	**15**	**5**	**0**	**5**	**20**	**0**	**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										
Plant propagation techniques										
Others (pl specify)										
Total (b)										
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)										
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	2	39	0	39	1	0	1	40	0	40
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology	2	33	1	34	6	0	6	39	1	40
Production of quality animal products										
Natural farming	13	200	40	240	16	0	16	216	40	256
Total	**17**	**272**	**41**	**313**	**23**	**0**	**23**	**295**	**41**	**336**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										

Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs	1	5	15	20	0	0	0	5	15	20
Storage loss minimization techniques										
Value addition	1	0	17	17	0	3	3	0	20	20
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total	**2**	**5**	**32**	**37**	**0**	**3**	**3**	**5**	**35**	**40**
VI Agril. Engineering										
Farm Machinary and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	1	16	1	17	3	0	3	19	1	20
Integrated Disease Management	1	15	1	16	3	1	4	18	2	20
Bio-control of pests and diseases	1	17	0	17	3	0	3	20	0	20
Production of bio control agents and bio pesticides										
Decomposer use in pest management	1	16	0	16	4	0	4	20	0	20
Total	**4**	**64**	**2**	**66**	**13**	**1**	**14**	**77**	**3**	**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										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies										
Nursery management	2	40	0	40	0	0	0	40	0	40
Integrated Farming Systems										
Others (pl specify)										
Total	**2**	**40**	**0**	**40**	**0**	**0**	**0**	**40**	**0**	**40**
GRAND TOTAL	**29**	**471**	**75**	**546**	**41**	**4**	**45**	**512**	**79**	**591**

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	1	20	0	20	0	0	0	20	0	20
Resource Conservation Technologies	1	18	0	18	02	0	02	20	0	20
Cropping Systems										
Crop Diversification										
Integrated Farming	1	20	0	20	0	0	0	20	0	20
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil & water conservatioin										
Integrated nutrient management	1	17	0	17	3	0	3	20	0	20
Production of organic inputs										

Others (pl specify)										
Total	**4**	**75**	**0**	**75**	**5**	**0**	**5**	**80**	**0**	**80**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	1	0	0	0	10	10	20	10	10	20
Off-season vegetables	1	15	2	17	3	0	3	18	2	20
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	**2**	**15**	**2**	**17**	**13**	**10**	**23**	**28**	**12**	**40**
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)										
Total (b)										
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)										
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management	1	20	0	20	0	0	0	20	0	20
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total	**1**	**20**	**0**	**20**	**0**	**0**	**0**	**20**	**0**	**20**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	3	0	47	47	0	13	13	0	60	60
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)	2	0	39	39	0	1	1	0	40	40
Total	**5**	**0**	**86**	**86**	**0**	**14**	**14**	**0**	**100**	**100**
VI Agril. Engineering										
Farm Machinary and its maintenance										
Installation and maintenance of micro irrigation systems										

Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	6	105	5	110	8	2	10	113	7	120
Integrated Disease Management										
Bio-control of pests and diseases	3	42	0	42	18	0	18	60	0	60
Production of bio control agents and bio pesticides										
Decomposer use in pest management	1	17	0	17	3	0	3	20	0	20
Total	**10**	**164**	**5**	**169**	**29**	**2**	**31**	**193**	**7**	**200**
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										

Total										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies	2	36	0	36	4	0	4	40	0	40
Nursery management	2	38	0	38	2	0	2	40	0	40
Integrated Farming Systems	2	40	0	40	0	0	0	40	0	40
Diversification	2	37	0	37	3	0	3	40	0	40
Total	**8**	**151**	**0**	**151**	**9**	**0**	**9**	**160**	**0**	**160**
GRAND TOTAL	**30**	**425**	**93**	**518**	**56**	**26**	**82**	**481**	**119**	**600**

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	1	20	0	20	0	0	0	20	0	20
Resource Conservation Technologies	1	18	0	18	2	0	2	20	0	20
Cropping Systems										
Crop Diversification										
Integrated Farming	1	20	0	20	0	0	0	20	0	20
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil & water conservatioin										
Integrated nutrient management	1	17	0	17	3	0	3	20	0	20
Production of organic inputs										
Crop residue management	3	75	0	75	0	0	0	75	0	75
Total	**7**	**150**	**0**	**150**	**5**	**0**	**5**	**155**	**0**	**155**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	2	15	0	15	15	10	25	30	10	40
Off-season vegetables	1	15	2	17	3	0	3	18	2	20
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	**3**	**30**	**2**	**32**	**18**	**10**	**28**	**48**	**12**	**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)										
Total (b)										
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)										
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										
Total										
IV Livestock Production and Management										

Dairy Management	3	59	0	59	1	0	1	60	0	60
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology	2	33	1	34	6	0	6	39	1	40
Production of quality animal products										
Natural farming	13	200	40	240	16	0	16	216	40	256
Total	**18**	**292**	**41**	**333**	**23**	**0**	**23**	**315**	**41**	**356**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs	1	5	15	20	0	0	0	5	15	20
Storage loss minimization techniques										
Value addition	4	0	64	64	0	16	16	0	80	80
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)	2	0	39	39	0	1	1	0	40	40
Total	**7**	**5**	**118**	**123**	**0**	**17**	**17**	**5**	**135**	**140**
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	7	121	6	127	11	2	13	132	8	140
Integrated Disease Management	1	15	1	16	3	1	4	18	2	20
Bio-control of pests and diseases	4	59	0	59	21	0	21	80	0	80
Production of bio control agents and bio pesticides										
Decomposer use in pest management	2	33	0	33	7	0	7	40	0	40

Total	**14**	**228**	**7**	**235**	**42**	**3**	**45**	**270**	**10**	**280**
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies	2	36	0	36	4	0	4	40	0	40
Nursery management	4	78	0	78	2	0	2	80	0	80
Integrated Farming Systems	2	40	0	40	0	0	0	40	0	40
Diversification	2	37	0	37	3	0	3	40	0	40
Total	**10**	**191**	**0**	**191**	**9**	**0**	**9**	**200**	**0**	**200**
GRAND TOTAL	**59**	**896**	**168**	**1064**	**97**	**30**	**127**	**993**	**198**	**1191**

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	1	7	1	8	2	0	2	9	1	10
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs	1	8	0	8	2	0	2	10	0	10
Planting material production										
Vermi-culture										
Mushroom Production	2	11	4	15	5	0	5	20	0	20
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	2	0	16	16	0	4	4	0	20	20
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	**6**	**26**	**21**	**47**	**9**	**4**	**13**	**35**	**25**	**60**

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

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	1	7	1	8	2	0	2	9	1	10
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs	1	8	0	8	2	0	2	10	0	10
Planting material production										
Vermi-culture										
Mushroom Production	2	11	4	15	5	0	5	20	0	20
Bee-keeping										

Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	2	0	16	16	0	4	4	0	20	20
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	**6**	**26**	**21**	**47**	**9**	**4**	**13**	**35**	**25**	**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	1	10	0	10	0	0	0	10	0	10
Seed production technology										
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	1	0	7	7	0	3	3	0	10	10
Any other (pl.specify)										
TOTAL	**2**	**10**	**7**	**17**	**0**	**3**	**3**	**10**	**10**	**20**

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	2	18	0	18	2	0	2	20	0	20
Integrated Nutrient management										
Seed production technology										
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										
Decomposer use in management	2	16	0	16	4	0	4	20	0	20
TOTAL	**4**	**34**	**0**	**34**	**6**	**0**	**6**	**40**	**0**	**40**

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	2	18	0	18	2	0	2	20	0	20
Integrated Nutrient management	1	10	0	10	0	0	0	10	0	10
Seed production technology										
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	1	0	7	7	0	3	3	0	10	10
Decomposer use in management	2	16	0	16	4	0	4	20	0	20
TOTAL	**6**	**44**	**7**	**51**	**6**	**3**	**9**	**50**	**10**	**60**

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	3	130	5	135	10	5	15	140	10	150
Commercial production of vegetables										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops	1	80	4	84	10	6	16	90	10	100
Soil health and fertility management	1	35	8	43	5	2	7	40	10	50
Production of Inputs at site	1	25	5	30	10	2	12	35	7	42
Methods of protective cultivation	1	35	5	40	5	0	5	40	5	45
Others (pl. specify)										
Total	**7**	**305**	**27**	**332**	**40**	**15**	**55**	**345**	**42**	**387**
Post harvest technology and value addition										
Processing and value addition	6	5	185	190	0	10	10	5	195	200
Others (pl. specify)										
Total										
Farm machinery										
Farm machinery, tools and implements										
Others (pl. specify)										
Total	**6**	**5**	**185**	**190**	**0**	**10**	**10**	**5**	**195**	**200**
Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management	1	95	5	100	10	0	10	105	5	110
Others (pl. specify)										
Total	**1**	**95**	**5**	**100**	**10**	**0**	**10**	**105**	**5**	**110**
Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity Building and Group Dynamics										
Agroforestry	1	25	20	45	10	5	15	35	25	60
Total	**1**	**25**	**20**	**45**	**10**	**5**	**15**	**35**	**25**	**60**
GRAND TOTAL	**15**	**430**	**237**	**667**	**60**	**30**	**90**	**490**	**267**	**757**

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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Post harvest technology and value addition										
Value addition										
Others (pl. specify)										
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Livestock and fisheries										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming	1	17	0	17	3	0	3	20	0	20
Others (pl. specify)										
Total	**1**	**17**	**0**	**17**	**3**	**0**	**3**	**20**	**0**	**20**
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	2	40	5	45	5	0	5	45	5	50
Nursery, grafting etc.										
Tailoring, stitching, embroidery, dying etc.										
Agril. para-workers, para-vet training										
Others (pl. specify)										
Total	**2**	**40**	**5**	**45**	**5**	**0**	**5**	**45**	**5**	**50**
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Grand Total	**3**	**57**	**5**	**62**	**8**	**0**	**8**	**65**	**5**	**70**

Training Programmes

5 days training programme for rural youths

One day PF training on Mushroom Production

Five days training on Mushroom Production

Five days training on Mushroom Production for Rural Youths

PF trainimg programme

7 days training programme under ARYA Programme

PF trainimg programme

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	442	442	30	472
Diagnostic visits	134	412	20	432
Field Day	8	412	0	412
Group discussions	2	45	5	50
Kisan Ghosthi	18	2148	50	2198
Film Show	6	456	30	486
Self -help groups	2	110	10	120
Kisan Mela	2	445	6	451
Exhibition	2	445	6	451
Scientists' visit to farmers field	78	872	0	872
Plant/animal health camps	0	0	0	0
Farm Science Club	0	0	0	0
Ex-trainees Sammelan	1	42	5	47
Farmers' seminar/workshop	3	142	10	152
Method Demonstrations	9	126	4	130
Celebration of important days	2	234	20	254
Special day celebration	2	256	30	286
Exposure visits	7	342	0	342

Kisan Samman Diwas	1	405	25	430
Mahila Kisan Diwas	1	54	5	59
World Soil Health Day	1	178	0	178
Farmers visit at KVK	544	544	0	544
Swachhta Pakhwada Abhiyan	5	264	5	269
Soil Health Cards Distribution	545	545	0	545
Others programme	**0**	**0**	**0**	**0**
World envinment day	1	36	0	36
Fertilizer awareness pragm	1	112	5	117
Internation yog divas	1	15	0	15
Training of farm ajivika sakhi	3	152	5	157
Vraschha ropan	11	1000	15	1015
Posak vatika mahaabhiyan	1	65	2	67
Krishi Shichha Diwas	1	74	5	79
Total	**1834**	**10373**	**298**	**10671**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	4
Extension Literature	11
News paper coverage	113
Popular articles	12
Radio Talks	0
TV Talks	2
Animal health amps (Number of animals treated)	0
Total	**142**

Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Lives-tock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
Saharanpur	Text only	148	52	22	0	125	11	358
	Voice only	9	3	5	0	21	2	40
	Voice & Text both	35	12	8	0	26	12	93
	Total Messages	192	67	35	0	172	25	491
	Total farmers Benefitted	**3459**	**1236**	**1028**	**0**	**8598**	**971**	**15292**

Extension Activities

Ajivika Mission Programme

Vegetables seed distribution to the farm women

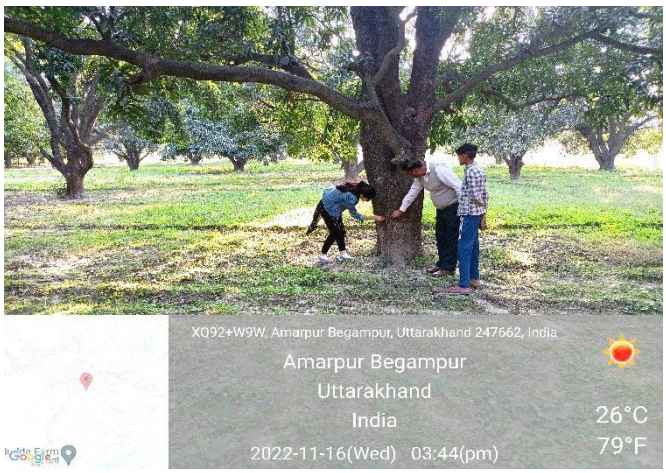
Seed distribution to the farmers under CFLD

Diagonstic visit at farmers field

VIPs visit at KVK Stall in Kisan Mela Agriculture University Meerut

Exposure visits of farmers to Kisan Mela under PM kisan Samman Programme at Pusa New Delhi.

Kisan Gosthi



Diagonstic visit

Field visit

Diagonstic visit

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	5	245	
	Lectures organised	20	1142	
	Exhibition	1	322	
	Film show	3	321	
	Fair	0	0	
	Farm Visit	14	134	
	Diagnostic Practicals	6	218	
	Distribution of Literature (No.)	8	3842	
	Distribution of Seed (q)	1	98	
	Distribution of Planting materials (No.)	1	34	
	Bio Product distribution (Kg)	0	0	
	Bio Fertilizers (q)	0	0	
	Distribution of fingerlings	0	0	
	Distribution of Livestock specimen (No.)	0	0	
	Total number of farmers visited the technology week	1	412	
	Total:	**60**	**6768**	

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

Production of seeds: Nil

Production of planting materials

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
Vegetable seedlings	Onion		Agrifound Light Red	5500	1610.00	12
Fruits						
Guava						
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Napier grass	Napier grass	Co-4	Hybrid	150	0.00	3
Forest Species						
Others						

Total				**5650**	**1610.00**	**15**

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity (Kg)	Value (Rs.)	No. of Farmers
Bio Fertilisers	Vermi compost	800	4000.00	16
Bio-pesticide	Beauveria bassiana	0	0	0
	Metarrhizium anisoplae			
	T. harzianum	500	65000.00	2
Bio-fungicide				
Bio Agents				
Others	Mushroom spawn	0	0	0
	Worms	5	2500.00	6
Total		**1305**	**71500**	**24**

Table: Production of livestock materials: Nil

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	565	565	60	49120.00
Water				
Plant				
Manure				
Total	**565**	**565**	**60**	**49120.00**

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
Saharanpur	01

IX. NEWSLETTER/MAGAZINE : Nil

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

X. PUBLICATIONS

Category	Number
Research Paper	0
Technical bulletins	7
Technical reports	13
Booklet	3
Book Cahpter	0
Training manual	3
Extension Litreture	8

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

Activities conducted				
No. of Training programmes	**No. of Demonstrations**	**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: Nil

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

Major area coverage under alternate crops/varieties: Nil

Crops	Area (ha)	Number of beneficiaries
Oilseeds		
Total		

Farmers-scientists interaction on livestock management: Nil

Livestock components	Number of interactions	No.of participants
Vaccination and balance ration		
Sterility management		
Fodder management		
Piggery management		
Fishries management		
Total		

Animal health camps organized: Nil

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

Seed distribution in drought hit states: Nil

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

Large scale adoption of resource conservation technologies: Nil

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

Awareness campaign: Nil

	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

XIII. DETAILS ON HRD ACTIVITIES

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

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

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

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

XIV. CASE STUDIES: Nil

XIV. AGRICULTURAL TECHNOLOGY INFORMATION CENTRE (2019)

A. Details on ATICs

S. No	Name of the ATIC	Name of the Host Institute	Name of the ATIC Manager
1	KVK Saharanpur	SVPUA&T, Meerut	Dr. I.K. Kushwaha

B. Details on Farmer's visit

S. No	Purpose of visit	Number of farmer's visited
01	Technology Information	314
02	Technology Products	12
03	Others if any pl. specify	5

C. Facilities in the ATIC which are in operation

S. No	Particulars	Availability(Please √ mark)	Number of ATICs
01	Reception counter	√	2
02	Exhibition / technology museum	√	1
03	Touch screen Kiosk	√	5
04	Cafeteria	√	1
05	Sales counter	√	1
06	Farmer's feedback register	√	1
07	Others if any (please specify)		2

D. Technology information provided

D.1. Details on technology information

S. N	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		1240	198	325	423	142	138	121	118
02	Video shows		11							
03	Letters received									
04	Letters replied									
05	Training to farmers / technocrats / students		32	8	8	22	5	7	9	11
06	Others pl. specify									

D.2 . Publications (Print & Electronic media): Nil

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: Nil

S. No	Particulars	Quantity	Unit of quantity	Value in Rs.	Number of farmers benefited
01			Quintal		
02			Numbers		

F. Technology services provided: Nil

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

XVI Achievement of Special programmes

1) Achievement of skill development training funded by DAC&FW: N.A

S. N.	Name of QP/Job role	Duration (hrs)	No. of Courses Organised	No. of Participants						TOTAL
				SCs/STs		Others		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

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

b) IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities	No. of Participants
1.	Kisan Melas organized	2	251
2.	Awareness programmes conducted at Village Panchayat/ Block/ District Level	11	1128
3.	Mobilization of schools and colleges through essay completion, painting, debate etc.	6	1052
4.	Demonstration conducted (ha)	1	58
5.	Training Programmes conducted	3	75
6.	Exposure visits organized	2	100
7.	Field /harvest days organized		
	Total	**25**	**2664**

b) Other IEC activities organized under CRM Project by KVKs:

S. No.	Name of IEC activity	No. of activities
1.	Advertisement in Print media	0
2.	Column / Articles in newspaper and magazines etc.	0
3.	Hoarding fixed (at Mandi/ Road side/Market/ Schools/ Petrol pump/ Panchayat etc.)	15
4.	Poster/Banner placed	22
5.	Publicity material - leaflets/ pamphlets etc. distributed	2700
6.	TV programmes/ panel discussions Doordarshan/ DD-Kisan and other private channels	0
7.	Wall writing	25
	Total	**2762**

CRM Activities


कृषि विज्ञान केन्द्र, सहारनपुर
फसल अवशेष प्रबन्धन (In Situ) परियोजनान्तर्गत
किसान मेला एवं प्रदर्शनी
सहारनपुर


GPS Map Camera
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POCO


POCO

3) **Achievement of TSP (Tribal Sub Plan): N.A**

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings	Testing of Soil, water, plant, manures samples
No. of Trainings/D	No. of Farmers	No. of Trainings/D	No. of Women Farmers	No. of Trainings/D	No. of Youths	No. of Trainings/D	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): N.A**

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

5) **Achievements of SCSP KVKs : NA**

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	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant,
No. of Trainings/D	No. of Farmers	No. of Trainings/D	No. of Women	No. of Trainings/D	No. of Youths	No. of Trainings/D	No. of Ext. Person	On- farm trials	Frontline demos	Mobile agro-advisory to farmers						

6) **Achievement under IFS KVK: NA**

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

7) **Achievements under Mera Gaon Mera Gaurav (MGMG) project: N.A**

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: N.A

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)		
OFTs - Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
FLDs – Nutritional Garden (activity in no. of Unit)		
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)		
Trainings		
Extension Activities		
Grand 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	0.00565	0.00565	0.00060	0.49120	
Water					
Plant					
Manure					0.00565
Total					

11) Achievements under NICRA Project: N.A

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	131	1	16	4	16	4
Fruits and vegetable processing units,						
Horticulture nursery						
Fish farming						
Poultry	62	1	20	0	20	0
Goat farming						
Piggery						
Duck farming						
Bee keeping						
Others if any						

ARYA Activites

13) Achievements under Rainwater Harvesting Structure

Sr. No.	Activities	Number
1	Training programmes	8
2	Demonstration	5
3	Plant materials produced	0
4	Visit by farmers	312
5	Visit by officials	28

14) Achievements under Pulses Seed Hub programme: N.A

Season/Crop	Name of Pulse crop	Variety	Production			Category of seed
			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): NA

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: N.A

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

17) Achievements under NIFTD (National Initiatives for fodder technology demonstrations): N.A

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

18) Achievements under Swachhata Abhiyan Mission:

S.No.	Items	No. of	No. of persons
		Programmes	Participated
1	Toilet maintenance	6	65
2	Road, drain cleaning	25	83
3	Garbage disposal	22	220
4	Door to door awareness	0	0
5	Awareness campaign	12	453

6	Nookkad Drama	0	0
7	School Drama	0	0
8	School rally	1	96
9	Writing paining slogans	0	0
10	Composting	2	52
11	Other	8	635

19) Achievements under Aspirational District Scheme: N.A

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

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