KRISHI VIGYAN KENDRA
SAHARANPUR

Annual Progress Report
(January – December 2023)

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

KVK SAHARANPUR

ANNUAL REPORT (January - December 2023)

APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	94	1498	419	1917
Rural youths	10	58	42	100
Extension functionaries	21	594	145	739
Sponsored Training	0	0	0	0
Vocational Training	0	0	0	0
Total	**125**	**2150**	**606**	**2756**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	65	26.0	
Pulses	150	40.0	
Cereals	85	26.0	
Vegetables	30	6.25	
Fruit	10	4.0	
Commercial crop	10	1.5	
Total	**350**	**103.75**	
Livestock & Fisheries	61	0	80
Other enterprises	50	0	35
Total	**111**	**0**	**115**
Grand Total	**461**	**103.75**	**115**

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	2	2	10
Livestock	1	1	5
Various enterprises	9	9	50
Total	**12**	**12**	**65**
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total	0	0	0
Grand Total	**12**	**12**	**65**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	2435	19604
Other Extension activites	112	1248
Total	**2547**	**20852**

5. 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**

6. Seed & Planting Material Production

	Qty./Number	Value (Rs.)
Seed (q)	-	-
Planting material (No.)	14800	8735.00
Bio-Products (kg)	520	67600.00
Livestock Production (No.)	-	-
Fishery production (No.)	-	-
Mushroom spawn (kg)		
Vermicompost (kg)	1200	6000.00
Worm(kg)	5	2500.00
Fresh Mushroom	15	900.00

7. Soil, water & plant Analysis

Type of Samples	No. of samples analysised	No. of Beneficiaries	Value Rs.
Soil	219	219	36830.00
Water			
Plant			
Total	**219**	**219**	**36830.00**

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	9
2	Conferences	3
3	Meetings	26
4	Trainings for KVK officials	5
5	Visits of KVK officials	20
6	Book published	3
7	Training Manual	3
8	Book chapters	0
9	Research papers	0
10	Lead papers	0
11	Seminar papers	1
12	Extension folder	16
13	Proceedings	6
14	Award & recognition	6
15	On going research projects	2

DETAIL REPORT OF APR (Jan 2023 to December 2023)

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

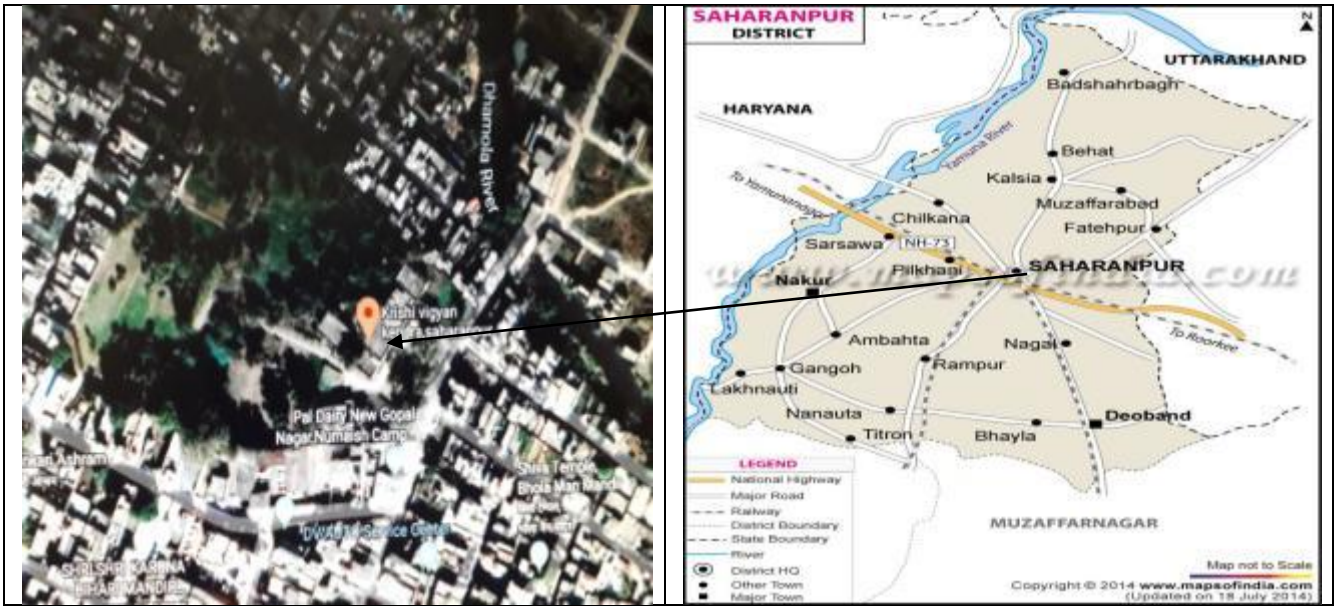
1.2 .Name and address of host organization with phone, fax and e-mail

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

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

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

1 .4. Year of sanction: 1992



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

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

8	Computer Programmer	Sh. R. R Dhaneshwar	Prog. Asstt. (Comp.)	PGDCA(2yr) & MCA	9300-34800	78800	27.10.1999	Permanent	SC	9927279434	47	rajdhaneshwar_152@yahoo.co.in
9	O/S cum Acctt.	Sh. Ashwani Kumar	O/S cum Acctt.	B.A	9300-34800	56900	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	Attendant	B.A	4440-7440	38600	01.07.1998	Permanent	Other	9411033979	54	

1.6. Total land with KVK (in ha) : 10.159 ha

Sl. No.	Item	Area (ha)
1	**At Administrative campus**	1.090
2	Orchard/Agro-forestry	1.200
3	Crop	0.40
4	Farm office & threshing floor	6.869
5	Guava orchard	0.60
	Total:	**10.159**

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	ICAR	2008 &	760 m^2		01.06.06 &	Completed

	Units/IFS/ ATIC (9)		2017			17.03.2017	
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	249364	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

S.N.	Date	Name of Officials and Members	Decision Taken	Action Taken
1.	22.11.2022	Dr. P.K. Singh (Director Extension)	• Suggested that 100 percent training should be conducted as per the action plan. • Soil testing should be done for all the demonstrations to be conducted by scientists for the farmers • A nursery should be established in Chandpur area of the center under the subject of Agro- forestry. • The targets of the CRM project should be completed 100 percent by the month of December, 2022. • Each scientist should include 02 OFT in their action plan. • Training should be conducted for rural youth at all the units established at the centre. • He also suggested that front line demonstration should only be put up into technology after conducting its On Farm Trail • Under the subject of agro-forestry number of FLDs should be increased to atleast 10 • The OFT planned under Home Science should be changed and redesigned after contacting with NARI project	• Till date 100 percent trainings have been achieved • Now all the FLD demonstration are being conducted only after soil testing • Under process • 100 percent target of CRM for the year 2022 has been achieved • Action plan has been redesigned as per the directions • Aforesaid is being followed under RY trainings • Given directions are being followed • Achieved • Has been redesigned as per the directions

			• OFT under Agronomy should be designed on major crops like paddy, wheat and sugarcane	• Similar has been done as suggested
		Dr. S.K. Lodhi	• Suggested that there should be a database in the process of compliance of reporting also he suggested that OFT in Agro-forestry should be conducted on intercropping vegetables with Major crop poplar	Data compliance for reporting has been done whereas, OFT under Agro-forestry on intercropping of poplar with vegetables is under process
		Mr. Satveer Singh	• He said that demonstration of new species of poplar should also be conducted in the campus of the center	New clone of popular will be planted in KVK campus
		Dr. Rakesh Kumar (DD. Agri.)	• Suggested to design OFT On such wheat variety which are best in grain and straw yield	Will be performed in the coming season
		Mr. K.N. Tiwari (President NGO-DISHA)	• Asked for the technical participation of KVK Scientist in the trainings organized by DISHA	We participated in one of the training of DISHA and will ensure to increase the figures in future
		Dr. Vipin Parmar	• Suggested that KVK scientists should encourage farmers toward bamboo farming and also there should be training on stalk grafting and window opening in mango	Several awareness programs related to bamboo planting are being conducted and also has been started in village Nandi Block Baliakheri. One RY training on grafting. budding of horticultural crops has been organized in the month of February
		Dr. P.K. Singh (Associate Professor)	• Suggested that there should be awareness programmes towards millets and poshan among farmers and farm women	Different awareness programs are being conducted under poshan abhiyan and International millet year 2023

2. DETAILS OF DISTRICT (31st December, 2023)

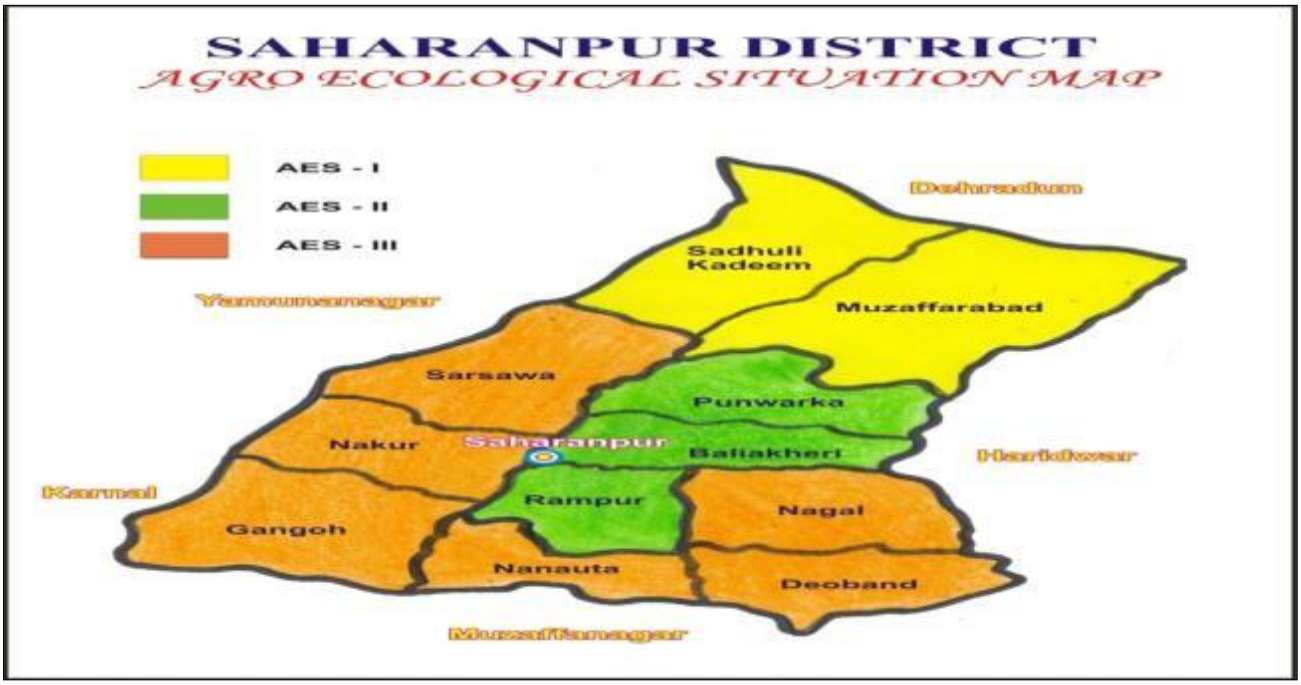
2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

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	47860.00
2	Sandy loam & Loam	Size- 0.02-0.002 mm WHC- Medium Fertility – Medium	1652240.00
3	Clay loam	Size- <0.002 mm WHC- High Fertility – High	87520.00
	Total:		**1787620.00**

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	78200	28.40
2	Wheat	96000	32.10
3	Sugarcane	116000	810.00
4	Groundnut	3790	10.58
5	Urd	2845	9.85
6	Maize	8875	14.90
7	Gram	2950	10.90
8	Lentil	2948	6.85
9	Mustard	1950	11.77
10	Groundnut	2856	8.75
11	Field Pea	854	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	6985	31.00
2	Brinjal	4820	39.00
3	Tomato	2021	35.00
4	Pea	1984	17.50
5	Cucurbits	9820	19.10

6	Potato	1125	26.72
7	Capsicum	298	19.80
8	Okra	1921	19.00
B	**Spices**		
1	Onion	282	23.00
2	Chilli	248	18.40
C	**Fruits**		
1	Mango	26120	13.00
2	Guava	2330	19.80
3	Litchi	1610	10.15
4	Peach	139	10.52
D	**Others**		
1	Mushroom	152	239.5
2	Popular	100	200.0

2.5 Weather data (Rainfall) :

Month	**Rainfall (mm)**	**Temperature ^{0} C**		**Relative Humidity (%)**
		Maximum	**Minimum**	
Jan., 2023	17	24.2	1.6	75
Feb., 2023	18	31	4.5	70
March, 2023	2	35.5	9.2	70
April, 2023	5.5	40	11.2	65
May, 2023	121.5	39.2	18.5	63
June, 2023	112.5	39.4	21	55
July, 2023	498.6	39.8	24.6	72
Aug., 2023	508.5	41.2	25.2	78
Sept., 2023	175	35.5	22.8	81
Oct., 2023	62.4	36.2	11	38
Nov., 2023	32.5	25.5	10	29
Dec., 2023	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	412	16784	48.5

2.7 Details of Operational area / Village (31st December, 2023)

Sl. No.	**Taluk**	**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 & Lakhnautikaln	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
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		Sarsawa	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, Fatehpur Kala & 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 Maniharan	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,	Poor quality seed, Imbalance fertilizer	Promoting seed production, IPNM,

				paddy, Lentil, Brinjal, Mango, Cows & Buffaloes	application, No seed treatment, Improper plant protection majors, Imbalanced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
8		Muzaffarabad	Chanchak, Khusalipur, Murtazapur, Manjhipur & Baheda Kalan	Sugarcane, Groundnut, 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
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 & Marwa	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, Kashipur & 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	INM, 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
Horticulture crops	Variety, Integrated Nutrient Management, Weed management, IPM & IDM
Vegetables	IPNM & IPM
Animals	Endo & Ecto parasite control, Improving fertility, Nutreint management
Mushroom	IPNM & IPM
Poultry	Breeds

- Maintenance of soil productivity through IPNM and soil Testing
- Promoting export quality Basmati production
- Popularizing IPM technologies for management of insect pests
- Mineral mixture supplementation among animals for improving fertility
- Promoting Group Approach of Extension through Vallabh Krishak Clubs

3. TECHNICAL ACHIEVEMENTS

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

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	12	--	12	--	103.75	200	461

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	94	2000	1917	2000	1976	4000	13212
Rural youth		10		100				
Extn. Functionaries		21		739				
Sponsored training		0		0				
Vocational Training		0		0				
Total	**100**	**125**	**2000**	**2756**	**2000**	**2435**	**4000**	**19604**

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
-	-	-	20,000	14800	35

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	To evaluate yield potential of mid maturing variety of vegetable pea (Pusa Prabal)	1	5
	Onion	Varietal evaluation of onion variety (NHRDF Red-3) for yield and quality	1	5
	Pea	To evaluate yield potential of mid maturing variety of vegetable pea (Pusa Prabal)	1	5
	Bajra	High yielding Variety MPMH21	1	5
	Wheat	High yielding Variety HD-3298	1	5
Integrated Disease Management	Sugarcane	Top borer Management in Sugarcane	1	5
Resource conservation	Mango	Central Window Opening for quality mango production in Saharanpur district	1	3
		Total:	**7**	**33**

Summary of technologies assessed under livestock:

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Nutrition Management	Buffalo	UMMB supplementation(licking)@ 300gm/day/animal	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
Drudgery reduction	Home Science	Assessment of maize sheller for shelling maize from dehusked cob	1	15
		Assessment of hoe weeder for drudgery reduction and improving efficiency	1	4
		Assessment of revolving milking stool for drudgery reduction and improving efficiency.	1	4
Integrated Farming system (IFS)	Agro forestry system	Plantation of improved clone of poplar	1	4
		Total:	**4**	**27**

I.B. TECHNOLOGY ASSESSMENT IN DETAIL

VARIETAL EVALUATION

OFT-1

Problem definition: *Low yield due to use of old varieties and disease susceptible varieties*

Technology Assessed: To evaluate yield potential of mid maturing variety of vegetable pea (Pusa Prabal)

To increase yield and income of vegetable pea farmers along with the aim to increase pea area in the region, KVK Saharanpur conducted on-farm trial on evaluating the yield potential of mid maturing variety of pea (Pusa Prabal). The details of results are given below:

Table: **To evaluate yield potential of mid maturing variety of vegetable pea (Pusa Prabal)**

Treatments	*No. of trial*	*Yield (q/ha)*	*% change in Yield*	*Seeds per pod*	*Gross Cost (Rs./ha)*	*Gross return (Rs./ha)*	*Net Income (Rs. in lakh/ha)*	*BC Ratio*
T1:Arkel (FP)	*05*	*66.25*	*---*	*7*	*52242.75*	*95750.50*	*43507.75*	*1.83*
T2: Pusa Prabal		*91.77*	*38.52*	*8*	*49570.00*	*134501.25*	*84931.25*	*2.71*

Recommendation *– Farmers got vegetable pea yield 66.25 q/ha. By using old varieties like Arkel whereas the yield of pea was increased to 38.52% as they got an yield of 91.77 q/ha by sowing newly releasedvariety Pusa Prabal.*

Farmer reaction *– According to the farmers the variety was straight podded and sweet in taste and did not lost its taste even at higher temperature in the month of March. The variety also showed resistance towards powdery mildew and Fusarium wilt which are the major constraints for pea growers in this belt.*

OFT-2

Problem definition: *Low yield due to use of old onion varieties and lower income from sugarcane monocrop cultivation.*

Technology Assessed: Varietal evaluation of onion variety (NHRDF Red-3) for yield and quality

To increase yield and income of farmers along with the aim to promote onion as intercrop in sugarcane, KVK Saharanpur conducted on-farm trial on evaluating the yield potential of onion variety (NHRDF Red-3). The details of results are given below:

Table: **Varietal evaluation of onion variety (NHRDF Red-3) for yield and quality**

Treatments	*No. of trial*	*Yield (q/ha)*	*% change in Yield*	*Seeds per pod*	*Gross Cost (Rs./ha)*	*Gross return (Rs./ha)*	*Net Income (Rs. in lakh/ha)*	*BC Ratio*
T1: Agrifound red (FP)	*05*	Results Awaited						
T2: NHRDF Red-3								

OFT-3

Problem definition: *Low yield due to use of old varieties*

Technology Assessed: To evaluate yield potential of mid maturing variety of vegetable pea (Pusa Prabal)

To increase yield and income of vegetable pea farmers along with the aim to increase pea area in the region, KVK Saharanpur conducted on-farm trial on evaluating the yield potential of mid maturing variety of pea (Pusa Prabal). The details of results are given below:

Table: **To evaluate yield potential of mid maturing variety of vegetable pea (Pusa Prabal)**

Treatments	*No. of trial*	*Yield (q/ha)*	*% change in Yield*	*Seeds per pod*	*Gross Cost (Rs./ha)*	*Gross return (Rs./ha)*	*Net Income (Rs. in lakh/ha)*	*BC Ratio*
T1:Arkel (FP)	*05*	Results Awaited						
T2: Pusa Prabal								

OFT-4
Problem definition: Low Production due to locally available seeds

Technology Assessed (as the case may be): High yielding Variety MPMH21

KVKs Saharanpur took up on-farm trial on Variety demonstration in Bajara. The results indicated that the use of high yielding varietyMPMH-21 5 kg/ha gave 14.04 per cent increase in yield.

Table Effect of high yielding variety (MPMH21) on Production of Bajara

Technology Option	No.of trials	Yield (qt./ha)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
Local Variety (Farmers Practice)	5	17.2	--	22030	1.05
High yielding Variet (MPMH21)		20.1	14.04	27330	1.19

OFT-5
Problem definition: Low Production due to locally available seeds

Technology Assessed (as the case may be): High yielding Variety HD-3298

KVKs Saharanpur took up on-farm trial on Variety demonstration in late sown Wheat
Table Effect of high yielding variety (HD-3298) on Production of late sown of Wheat

Technology Option	No.of trials	Yield (qt./ha)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
Local Variety (Farmers Practice)	5	Result Awaited			
High yielding Variet (HD-3298)					

PEST AND DISEASE MANAGEMENT

OFT-6
Problem definition: Heavy infestation of Top borer in Sugarcane effecting in a yield loss of 13% and income loss of Rs.24000/ha

Technology Assessed : Top borer Management in Sugarcane

Infestation of top borer insect in sugarcane crop is causing loss of 5-7 percent to 10-15 percent (q/ha). To control it, insecticides have to be used, due to which soil and the plant friendly insects are being destroyed. Sometimes insecticides have to be used 3-4 times to control the top borer insect in sugarcane which eventually increases the cost of production.
Table Effect of sex pheromone trap with Scirpo lure **in Management of top borer in** Sugarcane

Technology Option	No.of trials	Incidenceof Top borer insect (%) (%)	Yield (kg/ha)	% Increase in yield over farmer's practice
Broad casting of Carbofuran 3G ,30 kg /ha 3 times (Farmer Practice)	05	25		
Installation of sex pheromone trap 8 trap per acre with Scirpo lure (Recommended Practice)		3	Result awaited	

RESOURCE CONSERVATION

OFT-7

Problem definition: Low yield and quality due to high density of mango orchard.

Technology Assessed: Central Window Opening for quality mango production in Saharanpur district.

To increase yield and income of mango growers KVK, Saharanpur conducted on-farm trial on different methods of window opening in mango orchard so as to increase proper light penetration in orchard.

Table Economics of window opening in mango orchard.

Treatments	No. of trial	Yield (q/ha)	% change in Yield	Cost of cultivation (Rs./ha)	Gross income (Rs./ha)	Net Income (Rs. in lakh/ha)	BC Ratio
T1:No window opening & training & pruing (FP)	03	Result awaited					
T2: Central Window opening in the month of Nov. & Dec.							

*Window opening performed in the month of December and result are awaited due to mango fruits set stage during this time.

LIVE STOCK ENTERPRISES

Nutreint Management

OFT-8

Problem definition: Low milk yield and infertility due to imbalance nutrients.

Technology Assessed or Refined (as the case may be) Effect of Urea Molasses Mineral Block supplementation on Milk Production and Reproductive Performance in Lactating Buffalo

KVK, Saharanpur conducted trial to assess the supplementation of urea molasses Minerals block on milk production and Reproductive performance in lactating Buffalo. The UMMB is a high protein concentrated feed containing necessary amount of minerals and vitamins. It provides non protein nitrogen to the rumen microbes without risk. Supplementation of UMMB with straw based diet increase daily milk yield, longer lactation period and fertility in lactating animals.

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

Technology Option	No.of trials	Average milk yield lit/day	% increase	Gross cost (Rs)	Gross Return (Rs)	BC Ratio	Conception Rate (%)
T1- Use of choker and common salt (Farmers practice)	5	Result Awaitted					
T2- UMMB supplementation (Licking) @ 300 g/day/animal							

OFT in Home Science
Drudgery reduction and efficiency improvement

OFT-9

Problem definition: Lesser efficiency in traditional method

Traditional method of maize shelling is tedious and causes more physiological fatigue

Technology Assessed (as the case may be): Assessment of maize sheller for shelling maize from dehusked cob.

Details of technology identified for solution

T_1: Traditional practice

T_2: Maize shelling using maize sheller

No. of farmers: 15

Replications: 02

Table Performance of maize sheller for shelling maize from dehusked cob

	Parameters identified					
Critical inputs	Average of Output kg/hr	Average of Est. Energy Expenditure kj/min	Average of WHR beat/ min	Average of % reduction in drudgery	Average of % increase in efficiency	**Attitude of farm women**
Manual Shelling (Farmer Practice)	12.92	6.96	98.63	-	-	Positive attitude towards tubular maize sheller for safety purpose and is improving efficiency
Hexagonal tubular maize sheller	20.34	5.75	91.01	17.40	57.43	

OFT-10

Problem definition: Traditional weeding process with khurpi is labour intensive.

- Waist, neck and back is affected in a longer run
- Women farmer complain of pelvic pain in the traditional process.

Technology Assessed (as the case may be): Assessment of hoe weeder for drudgery reduction and improving efficiency.

Details of technology identified for solution

T_1: Traditional practice

T_2: Weeding through wheel weeder

No. of farmers: 4

Replications: 02

Table Performance of hoe weeder for weeding

	Parameters identified					
Critical inputs	Average of Output m2/h	Average of Est. Energy Expenditure kj/min	Average of WHR beat/ min	Average of % reduction in drudgery	Average of % increase in efficiency	**Attitude of farm women**
Manual weeding (khurpi)	61.61	12.56	113.85	-	-	Positive attitude towards hoe weeder for weeding for safety purpose and is improving efficiency
Weeding through twin wheel weeder	98.79	7.39	101.34	41.15	60.34	

OFT-11

Problem definition: Traditional practice of squatting for milking is tiring and cumbersome.
Musculo-skeletal problems while
Performing the activity

Technology Assessed (as the case may be): Assessment of revolving milking stool for drudgery reduction and improving efficiency.

Details of technology identified for solution

T_1: Traditional practice

T_2: Revolving stool for milking

No. of farmers: 4

Replications: 02

Table Performance of revolving milking stool

	Parameters identified					
Critical inputs	Average of Output lt/hr	Average of Est. Energy Expenditure kj/min	Average of WHR beat/ min	Average of % reduction in drudgery	Average of % increase in efficiency	**Attitude of farm women**
Traditional practice	2.03	8.90	110.83	-	-	Positive attitude towards revolving milking stool for safety purpose and is improving efficiency
Revolving stool for milking	15.43	6.83	97.80	23.28	86.82	

INTEGRATED FARMING SYSTEM

OFT-12

Problem definition: Lower income from plantation of local clones of pioplar.

Technology Assessed) : Plantation of improved clone of poplar

KVK, Saharanpur in U.P. conducted on-farm trial to assess effect of improved clones of poplar. The plantation of poplar good clone at the distance of 5x4 meter.

Table Performance French bean as inter crop in sugarcane

Technology Option	**No.of trials**	**Major parameter (duration in days)**	**Advantages**	**Yield (t/ha)**	**Net Return (Rs. lakh./ha**
Planting improved clone of Poplar at 5x4 m spacing (recommended Practice)	04	i) Plant height ii) Plant Growth iii) Incidence of Insect pest	Results awaited		
Planting local clone of Poplar at 3x4 m spacing (Farmers Practice		i) Plant height ii) Plant Girth Incidence of Insect pest			
Planting improved clone of Poplar at 5x4 m spacing					

II FRONTLINE DEMONSTRATION

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

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

S N	**Crop/ Enterprise**	**Thematic Area***	**Technology demonstrated**	**Details of popularization methods suggested to the Extension system**	**Horizontal spread of technology**		
					No. of village	**No. of farmer**	**Area in ha**
1	Mushroom	Popularization of mushroom	Use of Pasteurized compost	Training,Gosthi,DemonstrationTechnology for compost preparation	38	156	156 units

2	Sugarcane	IDM	Use of Trichoderma for Red rot management	Training,Gosthi,DemonstrationTechnology for proper management	245	21365	15003
3	Paddy	Popularization of Pusa Decomposer	Use of Pusa decomposer for crop residue management	Training,Gosthi,DemonstrationTechnology for proper management	152	18014	14562
4	Wheat	IDM	Use of seed treatment technology for disease and insect management	Training,Gosthi,DemonstrationTechnology for proper management	176	21523	15236
5	Mango	IPM	Use of Thiomethaxam and Profenophos for shoot gall management in month of last July and Ist week august	Training,Gosthi,DemonstrationTechnology for proper management	51	302	1500
6	Paddy	IDM	Sheath blight mgt. through Trichodermaharzianum	Training,Gosthi,DemonstrationTechnology for proper management	61	1396	1263
7	Sugar-cane	IPM	Application beauveriabassiana& Metarhizium for termite & white grub mgt.	Training,Gosthi,DemonstrationTechnology for proper management	85	1478	2542
8	Wheat	Weed management	Grassy weeds control through chlodinophop and met sulfuron in wheat	Kisan Gosthi, Extension functionaries training & Campaign	57	1542	5148
9	Paddy	Weed management	Grassy weeds control through bispyribac sodium 10% in paddy	Kisan Gosthi, Extension functionaries training & Campaign	51	1845	4186
10	Paddy	IDM	Sheath blight mgt. through Trichodermaharzianum	Awareness and Demonstration	61	1352	1242
11	Fodder	Popularization of nutrifeed fodder	Popularization of nutrifeed fodder	Kisan Gosthi, Extension functionaries training & Campaign	74	684	1143
12	Ground-nut	IPNM in G nut	IPNM in Ground nut	Kisan Gosthi,Field, Extension functionaries training & Campaign	21	318	946
13	Ground-nut	IPM	Mgt. of white grub through B.bassiana	Awareness and Demonstration	31	348	265
14	Mustard	IPNM in mustard	IPNM mustard	Kisan Gosthi,Field, Extension functionaries training & Campaign	56	970	1648
15	Onion	Varietal Introduction	Promotion of rabi & kharif onion variety	Kisan Gosthi,Field, Extension functionaries training & Campaign	405	981	1339
16	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

b. Details of FLDs implemented during **2023**

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

Frontline demonstration on oilseed

S. N.	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	Groundnut (GJG-22)	ICM	Seeds, pesticides and fertilizers	Kharif 2023	6	6	2	13	15	--
2	Mustard (Radhika)	ICM	Seeds, pesticides and fertilizers	Rabi-2023-24	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	Groundnut (GJG-22)	Kharif 2023	Irrigated	Sandy Loam	Low	Medium	Low	Wheat	16.08.23	12.11.23	-	-
2	Mustard (Radhika)	Rabi-2023-24	Irrigated	Loam	Medium	Medium	Low	Paddy	14.10.23	Result awaited	-	-

Technical Feedback on the demonstrated technologies

S. N.	Crop	Feed Back
1	Groundnut(GJG-22)	i. Variety (GJG-22) of groundnut is more productive comparison to other variety& Bold seed.
2	Mustard(Radhika)	i. Best response for the control of weeds through pendimethalin 30 % EC @ 1 kg/ha.

Farmers' reactions on specific technologies

S. N	Crop	Feed Back
1	Groundnut(GJG-22)	i. Farmers like Sesame grain due to rich oil content & sweetness.
2	Mustard(Radhika)	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	Groundnut(GJG-22)			
	Farmers Training	01	14.07.2023	20
	Field days	01	19.10.2023	30
2	Mustard(Radhika)			
	Farmers Training	01	12.09.2023	20
	Field days	-	-	-

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter				% Advantage	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot			Check plot		Demo			Check									
							High	Low	Average			High	Low	Average			Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Groundnut	ICM	Seeds, pesticides and fertilizers	GJG-22	15	6							21.2	19.5	20.3	17.8	14.04	38944	142100	103156	2.65	36194	124600	88409	2.44
Mustard	ICM	Seeds, pesticides and fertilizers	Radhika	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 (IPU-13-1)	ICM	Seeds, pesticides and fertilizers	Zaid 2023	10	10	4	21	25	--
2	Blackgram (Vallabh Urd-1)	ICM	Seeds, pesticides and fertilizers	Kharif 2023	10	10	3	22	25	--
3	Lentil (KLB-345)	ICM	Seeds, pesticides and fertilizers	Rabi-2023-24	20	20	12	38	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	Blackgram (IPU-13-1)	Zaid 2023	Irrigated	Sandy Loam	Low	Medium	Low	Mustard	26.03.23	04.06.23	-	-
2	Blackgram (Vallabh Urd-1)	Kharif 2023	Irrigated	Sandy Loam	Low	Medium	Low	Jawar	09.08.23	25.10.23	-	-
3	Lentil (KLB-345)	Rabi-2023-24	Irrigated	Loam	Medium	Medium	Low	Paddy	23.10.23	Result awaited	-	-

Technical Feedback on the demonstrated technologies

S. N.	Crop	Feed Back
1	Blackgram (IPU-13-1)	i. Best response for the control of weeds through pendimethalin 30 % EC @ 1 kg/ha.
2	Blackgram (Vallabh Urd-1)	i. Variety (Vallabh Urd-1) of Balckgramm more productive comparison to other variety& Bold seed.

Farmers' reactions on specific technologies

S. N	Crop	Feed Back
1	Blackgram (IPU-13-1)	i. Farmers like Blackgram grain due to rich of protein.
2	Blackgram (Vallabh Urd-1)	i. Farmers like Blackgram grain due to rich of protein.

Extension and Training activities under FLD

Sl. No.	Activity	No. of activities organized	Date	Number of participants
1	Blackgram (IPU-13-1)			
	Farmers Training	01	02.03.2023	20
	Field days	01	22.04.2023	25
2	Blackgram (Vallabh Urd-1)			
	Farmers Training	01	26.07.2023	22
	Field days	01	05.09.2023	25

Frontline demonstrations on pulses crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter				% Advantage	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot			Check plot		Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
							High	Low	Average			High	Low	Average										
Blackgram	ICM	Seeds, pesticides and fertilizers	IPU-13-1	25	10							12.4	9.8	11.35	9.1	24.3	33600	80585	46985	1.4	30800	64610	33810	1.1
	ICM	Seeds, pesticides and fertilizers	Vallabhurd-1	25	10							11.9	9.6	11.2	9.7	15.46	29680	78400	48720	1.64	28030	67900	39870	1.42
Lentil	ICM	Seeds, pesticides and fertilizers	KLB 345	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

Details of FLDs implemented during Jan 2022 to December 2023
(Information is to be furnished in the following **three tables** for **cereals, horticultural crops, and commercial crops**.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
	Wheat	IDM	Management of Yellow rust disease through Mancozeb+Carbendazim @3 gm/kg seed treatment &Tebuconazole 25 EC @0.1% spray	Rabi 2022-23	4.0	4.0	2	8	10	
	Guava	IPM	Management of fruit fly through Pheromone Methylujinol lure(20Traps/ha), Leur change after 45 days interval at 2 times(Trap &Leur)	(Zaid2023)	4.0	4.0	3	7	10	
	Paddy	IPM	Management of BPH insect through solar Light trap, Neem oil	Kharif 2023	5.0	5.0	1	4	5	
	Wheat	IDM	Management of Yellow rust	Rabi 2023-24	4.0	4.0	2	8	10	

			disease through Mancozeb+Carbendazim @3 gm/kg seed treatment &Tebuconazole 25 EC @0.1% spray							

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Wheat	Rabi 2022-23	Irregated	Sandy loam	L	M	M	Paddy	5-10.11.2022	5-7.4.2023		
Guava	(Zaid2023)	Irregated	Sandy oam	L	M	M	Guava	-	July to sept		
Paddy	Kharif 2023	Irregated	loam	L	M	M	Green manuring	15-20 july2023	1-5.11.2023		
Wheat	Rabi 2023-24	Irregated	Sandy oam	L	M	M	Paddy	1-6 nov 2023	-		

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

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

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days				
2	Farmers Training				
3	Media coverage				
4	Training for extension functionaries				

FLD on Other crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter				% Advantage	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot			Check plot		Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
							High	Low	Average			High	Low	Average										
Cereals																								
Paddy	IWM	Weedicide (Bispyribac sodium 20%+Pyrazosulfuron Ethyl 15% WDG)	PB-1509	20	8							44.1	37.2	42.1	39.1	7.67	36680	80516	45836	1.25	35750	76636	40886	1.14
Paddy	IPM	Solar Light trap, Neem oi	PB-1509	5	2.0							59.3	56.3	57.2	47.1	21.4	44660	124867	2.79	2.39	42753	102819	60066	2.40
Wheat	IDM	Mancozeb+Carbendazim @3 gm/kg seed treatment &Tebuconazole 25 EC @0.1% spray	HD 2967	10	4.0	17/2	62.3	55.1	60.9	45.3	38.63	62.3	55.1	60.9	45.3	38.63	46600	129504	82904	2.77	46120	96705	18605	2.09
Wheat	IWM	Weeddicide (Clodinafop propargyl 15%+Metsulfuron methyl1%WP)	HD-2967	10	4	Result Awaited																		
Wheat Timely sown	VE	Varietal	HD-3226	10	4	Result Awaited																		
Wheat	IDM	Mancozeb+Carbendazim @3 gm/kg seed treatment &Tebuconazole 25 EC @0.1% spray	HD-2967	10	4	Result Awaited																		
Vegetables																								
Bottle gourd	Varietal introduction	Varietal performance and demonstration for yield potential of bottle gourd hybrid	Kashi Ganga	10	2.25	Fruit weight (g) , Length of fruit (cm)	758g	610g	684g	580g	17.93	522.25	467.50	494.87	385.90	28.24	61231.9	251000.50	189768.6	4.1	66210.50	192354.25	126143.75	2.91
Cauliflower	Varietal introduction (Mid – late maturing)	Yield evaluation and location adaptation of cauliflower variety RK-70 in Saharanpur district	RK-70	20	4.0	Result awaited																		
Fruit crops																								

Guava	IPM	Pheromone Methylujinol lure(20Traps/ha), Leur change after 45 days interval at 2 times(Trap & Leur)	**L-49**	**10**	**4.0**	7/29						**355.2**	**300**	**351.5**	**300**	**17.16**	40505	124785	84280	3.08	40020	105421	65401	2.63
Commercial Crops																								
Poplar	Varietal evaluation	Improved poplar clone	WS-10	10	1.5	Plant height, Plant girth, insect pest control & good yield				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												
Buffalo																	
Buffalo Calf	Disease Management	Albendazol 30ml+ Liver tonic 15 ml /day	41	60	Result awaitted												

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	16	51		20.0	15.4	110000	240000	130000	2.18	110000	184800	74800	1.68
Button Mushroom	Management of wet bubble disease in white button mushroom through spray of chlorthanonil 75 WP 0.2 gm/lit	10	10	awaited												

FLD on Women Empowerment:

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check
Drudgery reduction and safety	Sugarcane bud chipper	15	Average Output (kg/hr) Average of Est. Energy Expenditure (kj/min) Average WHR (beat/ min) Cardiac Cost of Work cardiac Cost Saving	Results awaited	

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	89	57	56.14	0	0	340	1692	1352	4.9	520	1150	630	1.9

Note:- Total area is 1500 m^2

Performance indicators:

- Season wise availability - Sufficient for family need.
- Improvement of general health – Better
- Monthly saving – Rs. 141.00/month

Observations:

- Season wise availability – already given
- Diet intake of more vegetables.
- Saving in monthly house hold expenditure – Rs. 141/month

Farmer's reaction and Feed back:
Farmwomen now get fresh vegetables without pesticides by utilising their leasure time.

FLD on Millet

S. No.	Demonstration	Intervention	No. of demonstration	No. of beneficiaries	Traditonal practice	Innovative practice	Results
1.	value addition of millet (Cake Biscuit Halwa and Laddu)	Millet, Baking Soda, Baking Powder, Jaggery, Chocolate syrup, cardamom powder, cocoa powder, choco chip butter paper	15	15	Bajra Roti	Bajra Cake Biscuit Halwa and Laddu	Better palatability Better digestion of coarse grains Shelf life increases Price increases
Farmer Feedback: Farmer women learned new skills and appreciated the products as the products were nutritious and healthy and were popular among children too, making millet easily included in their diet.							

Overview :

Combination	Flavor	Taste	Color	Texture	Overall score
Wheat+ Bajra (3:1)	5	4	5	5	4.75
Wheat+ Bajra (2:2)	3	4	5	4	4
Wheat+ Bajra (1:3)	3	3	5	3	3.5

Measured on five point likert scale

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. Natural Farming : Nil

1) Crop Harvesting Details

Name of KVK	Crop Details Under Demonstration										Date of Sowing	Date of Harvesting
	Natural farming					Farmer's Practice						
	Name of Crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)	Name of crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)		

2) Preliminary Soil Data of Natural Farming Field

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

3) Details of Demonstrations Conducted under Natural Farming Project

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

4) Information of Farmers already Practicing Natural Farming

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

5) Natural Farming Nodal officer & Associate Name

S.No.	Name of KVK	Name of Head/SMS	Discipline/Subject	Mobile No.

6) Preliminary Soil Data of Natural Farming Field

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

IV. Drone Project : Nil

1) Details of Drone Training

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

2) Details of Nodal officers under Drone Project

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

3) Expenditure regarding Agri-Drone

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

V. DAMU Project : Nil

Project Details

1. Name of Damu, District, ATARI zone and Year
   DAMU Name :
   Name of Blocks:
   Year of start of AAS at DAMU:
2. Name and address with landline and mobile numbers along with STD code (also provide e-mail address) of head of ATARI, Project Coordinator, Head of the Krishi Vigyan Kendra (KVK)

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

5. Date of start of Agromet Advisory Bulletins:
6. Nearest Air, Tv And Railway Station (provide the road distance from DAMU)
   I) Air Station :
   II) TV Station :
   III) Railway Station:
7. Status of Agro-AWS
   7.1 Date of installation of AWS :
   7.2 List of instruments presently available in working condition:
   7.3 Instruments to be replaced/repaired indicating type of defect:
   7.4 Please provide frequency of observation, exposure conditions of the site etc.
   7.6 Number of years of data records available:
   7.8 Whether the observatory is periodically inspected, maintained and calibrated by IMD (If yes, please indicate the latest data of inspection by the IMD)
   7.9 Details of soil moisture observations taken, if any (please provide frequency and depths of observation etc.)
8. Details of Agromet Advisory Services
   i. How many times the weather forecasts were received during the year:
   ii. When do you receive the forecasts from MC/RMC?
   iii. How many AAS bulletins were prepared and disseminated to the farmers in the year?
   iv. How many AAS bulletins were prepared using Agromet-DSS in English and regional languages?
   v. List the modes of mass communication adopted for AAS dissemination:
   vi. Details of broadcast on AIR and TV (name of station broadcast frequency, time slot provided etc.) (Audio tape of the recent broadcast):
   vii. Give list of farmers awareness programmes conducted like Krishi / Kishan Melas, training, participation in national day parades etc. and photograph of Farmer's Awareness Programme (no of Farmer attended)
   viii. No of SMS sent through Kisan Portal and how many farmers were benefitted during the year
   ix. List of other organizations receiving Agromet advisories:
9. Verification results of District and Block level weather forecast
10. Economic impact of Agromet advisory services:
11. Mobile APP based Agromet advisory services for farmers:
12. Feedback from progressive farmers:

VI. Training Programme

Farmers' Training including sponsored training programmes (on campus)

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of courses	Participants								
			Others			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production											
Weed Management											
Resource Conservation Technologies											
Cropping Systems	Sugarcane Intercropping and importance of cropping system	1	13	0	13	6	1	7	19	1	20
Crop Diversification	Conservation Agriculture	1	17	1	18	2	0	2	19	1	20
Integrated Farming	Integrated farming system technique	1	13	1	14	6	0	6	19	1	20
Micro Irrigation /irrigation											
Seed production											
Nursery management											
Integrated Crop Management	1. Production technique of Rice crop. 2. Production technology of Spring sugarcane. 3. Production technique of Wheat crop	3	39	0	39	19	2	21	58	2	60
Soil & water conservatioin											
Integrated nutrient management											
Production of organic inputs											
Others (pl specify)											
Total		**6**	**82**	**2**	**84**	**33**	**3**	**36**	**115**	**5**	**120**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops											
Off-season vegetables											
Nursery raising	Nursery raising of vegetable crop	1	8	5	13	6	1	7	14	6	20
Exotic vegetables											
Export potential vegetables											
Grading and standardization											
Protective cultivation											
Kitchen garden	Production	1	0	9	9	0	11	11	0	20	20

	technology of bio-fortified varieties of vegetable in kitchen garden										
Total (a)											
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	Propagation techniques of mango & its nursery management	1	15	0	15	6	0	6	21	0	21
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	Production technology of medicinal crops	1	10	0	10	6	5	11	16	5	21
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		**4**	**33**	**14**	**47**	**18**	**17**	**35**	**51**	**31**	**82**
IV Livestock Production and Management											
Dairy Management	1.Reproductive disorders in animals and their management. 2. Animal Husbandry: A Profitable enterprise.	2	27	1	28	12	0	12	39	1	40
Poultry Management											
Piggery Management	1.Improved technique of pig farming	1	09	2	11	9	0	9	18	2	20
Rabbit Management											
Animal Nutrition Management	1. Preparation and Use of Urea	2	31	4	35	4	1	5	35	5	40

	Molasses Mineral blocks for animal Feeding 2. Role and Requirement of Minerals in Animal										
Disease Management											
Feed & fodder technology											
Production of quality animal products											
Sheep and goat rearing	Commercial goat Farming	1	18	0	18	0	2	2	18	2	20
Total		**6**	**85**	**7**	**92**	**25**	**3**	**28**	**110**	**10**	**120**
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	Processing of Ragi, Bajra (pearl millet) and other millets	1	0	11	11	0	09	09	0	20	20
Gender mainstreaming through SHGs											
Storage loss minimization techniques											
Value addition	Value addition of tomato	1	0	10	10	0	10	10	0	20	20
Women empowerment											
Location specific drudgery reduction technologies											
Rural Crafts	Skill training on making cow dung based products for self-employment	1	0	10	10	0	15	15	0	25	25
Women and child care											
Others (pl specify)	Skill training on soap making Skill training on candle making	2	0	14	14	0	26	26	0	40	40
Total		**5**	**0**	**45**	**45**	**0**	**60**	**60**	**0**	**105**	**105**
VI Agril. Engineering											
Farm Machinary											

and its maintenance											
Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices											
Production of small tools and implements											
Repair and maintenance of farm machinery and implements											
Small scale processing and value addition											
Post Harvest Technology											
Others (pl specify)											
Total											
VII Plant Protection											
Integrated Pest Management	IPM tech in vegetable	1	16	2	18	1	1	2	18	2	20
Integrated Disease Management	IDM technique in wheat	1	15	2	17	1	2	3	16	4	20
Bio-control of pests and diseases	Use of bio-agent in agriculture	1	20	0	20	0	0	0	20	0	20
Production of bio control agents and bio pesticides											
Others (pl specify)	Preparation technique of pusa waste de-composer	1	18	0	18	1	1	19	1	20	20
Total		**4**	**69**	**4**	**73**	**3**	**4**	**7**	**72**	**8**	**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	1.Seed production technology of urd 2.Seed production technique of sugarcane with farmers 3.Seed production technique of potato & pea	3	50	0	50	10	0	10	60	0	60
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)	Diversification of sugarcane varieties in treanch method	1	20	0	20	0	0	0	20	0	20
Total		**4**	**70**	**0**	**70**	**10**	**0**	**10**	**80**	**0**	**80**
X Capacity Building and Group Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
Others (pl specify)											
Total											
XI Agro-forestry											

Production technologies	1.Poplar new clones 2.Care during poplar plantation	2	32	0	32	8	0	8	40	0	40
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total		**2**	**32**	**0**	**32**	**8**	**0**	**8**	**40**	**0**	**40**
GRAND TOTAL		**31**	**371**	**72**	**443**	**97**	**87**	**184**	**468**	**159**	**627**

Farmers' Training including sponsored training programmes (off campus)

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of courses	Participants								
			Others			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production											
Weed Management	Chemical control of weeds in Rice crop	1	18	0	18	2	0	2	20	0	20
Resource Conservation Technologies	Production technique Direct Seeded Rice	1	20	0	20	0	0	0	20	0	20
Cropping Systems											
Crop Diversification											
Integrated Farming											
Micro Irrigation/irrigation											
Seed production											
Nursery management											
Integrated Crop Management	1. Production technology of spring sugarcane crop 2. Production technology of HY Napier grass and its important. 3. Advance farming of Ground nut crop. 4. Production technology of Mustard crop. 5. Production technology of Lentil crop	5	95	0	95	5	0	5	100	0	100
Soil & water conservatioin											
Integrated nutrient management	1. Nutrient management in Sugarcane crop 2. Integrated nutrient management in Sugarcane 3. Integrated nutrient management in Rice crop	3	59	0	59	1	0	1	60	0	60
Production of organic inputs											

Others (pl specify)											
Total		**10**	**192**	**0**	**192**	**8**	**0**	**8**	**200**	**0**	**200**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops	1. Production technology of cucumber. 2. Production technology of rainy season cucurbits 3. Production technology of potato crop	3	53	4	57	6	5	11	59	9	68
Off-season vegetables											
Nursery raising											
Exotic vegetables											
Export potential vegetables	Production technology of kharif season onion	1	24	0	24	0	0	0	24	0	24
Grading and standardization											
Protective cultivation	Importance and implementation of micro irrigation system in vegetable crops	1	18	0	18	01	01	02	19	01	20
Others (pl specify)											
Total (a)											
b) Fruits											
Training and Pruning	Canopy management of old (>25 years) mango orchards	1	27	0	27	0	0	0	27	0	27
Layout and Management of Orchards											
Cultivation of Fruit											
Management of young plants/orchards	1.Management of manures and fertilizers in litchi and mango orchard. 2.Management of mango orchard	2	47	4	51	0	0	0	24	0	24
Rejuvenation of old orchards											
Export potential fruits											
Micro irrigation systems of orchards	Importance & implementation of micro irrigation system in litchi orchard	1	15	0	15	05	0	05	20	0	20
Plant propagation techniques											
Post harvest technology	Methods of mango harvesting and post harvest management	1	20	0	20	0	0	0	20	0	20
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)		**10**	**204**	**8**	**212**	**12**	**6**	**18**	**216**	**14**	**230**
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		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
IV Livestock Production and Management											
Dairy Management	1.Management of repeat breeder animals.	1	12	0	12	2	6	8	14	6	20
Poultry Management	1.Feed management of poultry for broiler production	1	20	0	20	0	0	0	20	0	20
Piggery Management											
Rabbit Management											
Animal Nutrition Management	1.Animal health management 2. Feed Management of dairy Calves 3. Requirement & Role of macro & micro elements animals	3	54	0	54	6	0	6	60	0	60
Disease Management	1.Prevention of parasites in animals.	1	20	0	20	0	0	0	20	0	20
Feed & fodder technology	Importance of perennial fodder crops in IFS module	1	18	0	18	2	0	2	20	0	20
Production of quality animal products											
Others (pl specify)	The layout of IFS.	1	20	0	20	0	0	0	20	0	20
Total		**8**	**144**	**0**	**144**	**10**	**6**	**16**	**154**	**6**	**160**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Importance of Nutri Garden	1	0	20	20	0	0	0	0	20	20
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet	1.Importance of protein rich diet for family 2.Importance of Soya and soya products 3.Designing high nutrient diet	3	0	51	51	0	9	9	0	60	60
Minimization of nutrient loss in processing											
Processing and cooking	1. Identification of adulterants in foods 2. Preservation of rabi vegetables	2	0	10	10	0	30	30	0	40	40

Gender mainstreaming through SHGs											
Storage loss minimization techniques	Storage loss minimization	1	0	20	20	0	0	0	0	20	20
Value addition	1.Value addition of pulses 2.Value addition of rabi fruits	2	0	07	07	0	33	33	0	40	40
Women empowerment											
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care	Importance of Iron and folic acid for women	1	0	15	15	0	5	5	0	20	20
Others (pl specify)	Packaging, Marketing promotional strategies for small scale enterprise	1	0	20	20	0	0	0	0	20	20
Total		**11**	**0**	**143**	**143**	**0**	**77**	**77**	**0**	**220**	**220**
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		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
VII Plant Protection											
Integrated Pest Management	1.IPM technique in Paddy 2.Shoot gal maker Insect management in mango 3.IPM technique in pulse crop 4.IPM technique in 5.Mushroom 6.IPM technique in Wheat 7.IPM technique in	10	150	15	165	30	5	35	165	35	200

	mushroom 8.IPM technique in Chilli 9.Management of white grub and termite 10. Fruit fly mgt. through trap in guava										
Integrated Disease Management	Management of disease in sugarcane	1	17	0	17	3	0	3	20	0	20
Bio-control of pests and diseases	Use of bio-insecticide in mustard	1	16	0	16	4	0	4	20	0	20
Production of bio control agents and bio pesticides											
Others (pl specify)											
Total		**12**	**183**	**15**	**198**	**37**	**5**	**42**	**220**	**20**	**240**
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		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
IX Production of Inputs at site											
Seed Production	Seed production technique of mustard	1	18	0	18	2	0	2	20	0	20
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)	1.Varietal diversification in sugarcane 2. Production of maize for green fodder & corn 3.Selection of sugarcane spring varieties for sowing in treanch 4. Germination & vibility test of crops 5. Improved technique of mustard/Toria resistant for disease & insect	5	80	0	80	20	0	20	100	0	100
Total		**6**	**98**	**0**	**98**	**22**	**0**	**22**	**120**	**0**	**120**
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		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
XI Agro-forestry											
Production technologies	1.Management of irrigation in agroforestry plants 2.Use of neem tree in Agroforestry plants 3.Plantations of agroforestry plants in different conditions 4.Pruning in Agroforestry plants	4	74	0	74	6	0	6	80	0	80
Nursery management	1.Nursery	2	39	0	39	1	0	1	40	0	40

	management of agroforestry plants 2.Seed collection of Agroforesry lants										
Integrated Farming Systems											
Others (pl specify)											
Total		**6**	**113**	**0**	**113**	**7**	**0**	**7**	**120**	**0**	**120**
GRAND TOTAL		**63**	**934**	**166**	**1100**	**96**	**94**	**190**	**1030**	**260**	**1290**

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

Thematic area (May be specific to any given KVK)	**Actual Title of training conducted**	**No. of courses**	**Participants**								
			Others			**SC/ST**			**Grand Total**		
			Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
I Crop Production											
Weed Management	Chemical control of weeds in Rice crop	1	18	0	18	2	0	2	20	0	20
Resource Conservation Technologies	Production technique Direct Seeded Rice	1	20	0	20	0	0	0	20	0	20
Cropping Systems	Sugarcane Intercropping and importance of cropping system	1	13	0	13	6	1	7	19	1	20
Crop Diversification	Conservation Agriculture	1	17	1	18	2	0	2	19	1	20
Integrated Farming	Integrated farming system technique	1	13	1	14	6	0	6	19	1	20
Micro Irrigation/irrigation											
Seed production											
Nursery management											
Integrated Crop Management	1. Production technique of Rice crop. 2. Production technology of Spring sugarcane. 3. Production technique of Wheat crop. 4. Production technology of spring sugarcane crop 5. Production technology of HY Napier grass and its important. 6. Advance farming of Ground nut crop. 7. Production technology of Mustard crop.	8	134	0	134	24	2	26	158	2	160

	8. Production technology of Lentil crop										
Soil & water conservatioin											
Integrated nutrient management	1. Nutrient management in Sugarcane crop 2. Integrated nutrient management in Sugarcane 3. Integrated nutrient management in Rice crop	03	59	0	59	1	0	1	60	0	60
Production of organic inputs											
Others (pl specify)											
Total		**16**	**274**	**2**	**276**	**41**	**3**	**44**	**315**	**5**	**320**
II Horticulture											
a) Vegetable Crops											
Production of high value and low valume crops	1. Production technology of cucumber. 2. Production technology of rainy season cucurbits 3. Production technology of potato crop	03	53	4	57	6	5	11	59	9	68
Off-season vegetables											
Nursery raising	Nursery raising of vegetable crop	1	8	5	13	6	1	7	14	6	20
Exotic vegetables											
Export potential vegetables	Production technology of kharif season onion	01	24	0	24	0	0	0	24	0	24
Grading and standardization											
Protective cultivation	Importance and implementation of micro irrigation system in vegetable crops	01	18	0	18	01	01	02	19	01	20
Kitchen garden	Production technology of bio-fortified varieties of vegetable in kitchen garden	1	0	9	9	0	11	11	0	20	20
Total (a)											
b) Fruits											
Training and Pruning	Canopy management of old (>25 years) mango orchards	01	27	0	27	0	0	0	27	0	27
Layout and Management of Orchards											
Cultivation of Fruit											
Management of young plants/	1.Management of manures and	02	47	4	51	0	0	0	24	0	24

orchards	fertilizers in litchi and mango orchard. 2.Management of mango orchard										
Rejuvenation of old orchards											
Export potential fruits											
Micro irrigation systems of orchards	Importance & implementation of micro irrigation system in litchi orchard	01	15	0	15	05	0	05	20	0	20
Plant propagation techniques	Propagation techniques of mango & its nursery management	1	15	0	15	6	0	6	21	0	21
Post harvest technology	Methods of mango harvesting and post harvest management	01	20	0	20	0	0	0	20	0	20
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	Production technology of	1	10	0	10	6	5	11	16	5	21

technology	medicinal crops										
Post harvest technology and value addition											
Others (pl specify)											
Total (g)											
GT (a-g)		**14**	**237**	**22**	**259**	**30**	**23**	**53**	**267**	**45**	**312**
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		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
IV Livestock Production and Management											
Dairy Management	1.Reproductive disorders in animals and their management. 2. Animal Husbandry: A Profitable enterprise 3.Management of repeat breeder animals.	03	39	01	40	14	06	20	53	07	60
Poultry Management	1.Feed management of poultry for broiler production	01	20	0	20	0	0	0	20	0	20
Piggery Management	1.Improved technique of pig farming	01	09	02	11	09	0	09	18	02	20
Rabbit Management											
Animal Nutrition Management	1. Preparation and Use of Urea Molasses Mineral blocks for animal Feeding 2. Role and Requirement of Minerals in Animal 3.Animal health management 4. Feed Management of dairy Calves	05	85	04	89	10	01	11	95	05	100

	5. Requirement & Role of macro & micro elements animals										
Disease Management	1.Prevention of parasites in animals.	01	20	0	20	0	0	0	20	0	20
Feed & fodder technology	Importance of perennial fodder crops in IFS module	01	18	0	18	2	0	2	20	0	20
Production of quality animal products											
Others (pl specify)	1.Commercial goat Farming 2. The layout of IFS.	02	38	0	38	0	02	02	38	02	40
Total		**14**	**229**	**7**	**236**	**35**	**9**	**44**	**264**	**16**	**280**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Importance of Nutri Garden	1	0	20	20	0	0	0	0	20	20
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet	1.Importance of protein rich diet for family 2.Importance of Soya and soya products 3.Designing high nutrient diet	3	0	51	51	0	9	9	0	60	60
Minimization of nutrient loss in processing											
Processing and cooking	1.Processing of Ragi, Bajra (pearl millet) and other millets 2. Identification of adulterants in foods 3. Preservation of rabi vegetables	3	0	21	21	0	39	39	0	60	60
Gender mainstreaming through SHGs											
Storage loss minimization techniques	Storage loss minimization	1	0	20	20	0	0	0	0	20	20
Value addition	1.Value addition of tomato 2.Value addition of pulses 3.Value addition of rabi fruits	3	0	20	20	0	40	40	0	60	60
Women empowerment											
Location specific drudgery reduction technologies											

Rural Crafts	Skill training on making cow dung based products for self-employment	1	0	10	10	0	15	15	0	25	25
Women and child care	Importance of Iron and folic acid for women	1	0	15	15	0	5	5	0	20	20
Others (pl specify)	1.Skill training on soap making Skill training on candle making. 2.Packaging, Marketing promotional strategies for small scale enterprise	3	0	34	34	0	26	26	0	60	60
Total		**16**	**0**	**188**	**188**	**0**	**137**	**137**	**0**	**325**	**325**
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		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
VII Plant Protection											
Integrated Pest Management	1.IPM tech in vegetable 2.IPM technique in Paddy 3.Shoot gal maker Insect management in mango 4.IPM technique in pulse crop 5.IPM technique in paddy 6.Mushroom production 7.IPM technique in Wheat 8.IPM technique in mushroom 9.IPM technique in Chilli 10.Management of white grub and termite 11. Fruit fly mgt.	11	166	17	183	31	6	37	197	23	220

	through trap in guava										
Integrated Disease Management	1.IDM technique in wheat 2.Management of disease in sugarcane	2	32	2	34	4	2	6	36	4	40
Bio-control of pests and diseases	1.Use of bio-agent in agriculture 2.Use of bio-insecticide in mustard	2	36	0	36	4	0	4	40	0	40
Production of bio control agents and bio pesticides											
Others (pl specify)	Preparation technique of pusa waste de-composer	1	18	0	18	1	1	19	1	20	20
Total		**16**	**252**	**19**	**271**	**40**	**9**	**49**	**292**	**28**	**320**
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		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
IX Production of Inputs at site											
Seed Production	1.Seed production technology of urd 2.Seed production technique of sugarcane with farmers 3.Seed production technique of potato & pea 4.Seed production technique of mustard	4	68	0	68	12	0	12	80	0	80
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)	1.Diversification of sugarcane varieties in treanch method 2.Varietal diversification in sugarcane 3. Production of maize for green fodder & corn 4.Selection of sugarcane spring varieties for sowing in treanch 5. Germination & vibility test of crops 6. Improved technique of mustard/Toria resistant for disease & insect	6	100	0	100	20	0	20	120	0	120
Total		**10**	**168**	**0**	**168**	**32**	**0**	**32**	**200**	**0**	**200**
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		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
XI Agro-forestry											
Production technologies	1.Poplar new clones	6	106	0	106	14	0	14	120	0	120

	2.Care during poplar plantation. 3.Management of irrigation in agroforestry plants 4.Use of neem tree in Agroforestry plants 5.Plantations of agroforestry plants in different conditions 6.Pruning in Agroforestry plants										
Nursery management	1.Nursery management of agroforestry plants 2.Seed collection of Agroforesry lants	2	39	0	39	1	0	1	40	0	40
Integrated Farming Systems											
Others (pl specify)											
Total		**8**	**145**	**0**	**145**	**15**	**0**	**15**	**160**	**0**	**160**
GRAND TOTAL		**94**	**1305**	**238**	**1543**	**193**	**181**	**374**	**1498**	**419**	**1917**

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

Thematic area (May be specific to any given KVK)	**Actual Title of training conducted**	**No. of Courses**	**No. of Participants**								
			General			**SC/ST**			**Grand Total**		
			Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
Nursery Management of Horticulture crops	Nursery management of horticulture crops	1	04	03	07	02	01	03	06	04	10
Training and pruning of orchards											
Protected cultivation of vegetable crops	Advances in production technology of horticultural crops (Protected cultivation, nursery raising techniques, etc.)	1	06	01	07	03	00	03	09	01	10
Commercial fruit production											
Integrated farming											
Seed production	Seed production	1	7	0	7	3	0	3	10	0	10

	technology of Sugarcane crop										
Production of organic inputs	Crop Residue Management	1	3	3	6	2	2	4	5	5	10
Planting material production											
Vermi-culture											
Mushroom Production	Mushroom Production	1	6	1	7	2	1	3	8	2	10
Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition	Processing of Mango and its value added products	1	0	10	10	0	0	0	0	10	10
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching	Stitching and printing on clothes	1	0	05	05	0	05	05	0	10	10
Rural Crafts	Block printing and tie and die on clothes	1	0	4	4	0	6	6	0	10	10
Production of quality animal products											
Dairying	Preparation of UMMB	1	10	0	10	0	0	0	10	0	10
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production	Poultry Production	1	07	0	07	03	0	03	10	0	10
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Any other (pl.specify)											
TOTAL		**10**	**43**	**27**	**70**	**15**	**15**	**30**	**58**	**42**	**100**

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

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
Integrated farming											
Seed production											
Production of organic inputs											
Planting material production											
Vermi-culture											
Mushroom Production											
Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Any other (pl.specify)											
TOTAL	0	0	0	0	0	0	0	0	0	0	0

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

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	Nursery management of horticulture crops	01	04	03	07	02	01	03	06	04	10
Training and pruning of orchards											
Protected cultivation of	Advances	01	06	01	07	03	0	03	09	01	10

vegetable crops	in production technology of horticultural crops (Protected cultivation, nursery raising techniques, etc.)										
Commercial fruit production											
Integrated farming											
Seed production	Seed production technology of Sugarcane crop	1	7	0	7	3	0	3	10	0	10
Production of organic inputs	Crop Residue Management	1	3	3	6	2	2	4	5	5	10
Planting material production											
Vermi-culture											
Mushroom Production	Mushroom Production	1	6	1	7	2	1	3	8	2	10
Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition	Processing of Mango and its value added products	1	0	10	10	0	0	0	0	10	10
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching	Stitching and printing on clothes	1	0	05	05	0	05	05	0	10	10
Rural Crafts	Block printing and tie and die on clothes	1	0	4	4	0	6	6	0	10	10
Production of quality animal products											
Dairying	Preparation of UMMB	1	10	0	10	0	0	0	10	0	10
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production	Poultry Production	01	07	0	07	03	0	03	10	0	10
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing											

technology											
Fry and fingerling rearing											
Any other (pl.specify)											
TOTAL		**10**	**43**	**27**	**70**	**15**	**15**	**30**	**58**	**42**	**100**

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

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops											
Integrated Pest Management	1.IPM in paddy 2.IPM in wheat	2	60	10	70	25	5	30	85	15	100
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Production and use of organic inputs											
Care and maintenance of farm machinery and implements											
Gender mainstreaming through SHGs	Gender mainstreaming through SHGs	1	0	18	18	0	02	02	0	20	20
Formation and Management of SHGs											
Women and Child care	Early childhood care and education	1	0	06	06	0	04	04	0	10	10
Low cost and nutrient efficient diet designing	Low cost and nutrient efficient diet designing	1	0	14	14	0	07	07	0	20	20
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Community development through kitchen garden	Importance of kitchen garden for community development	1	0	42	42	0	08	08	0	50	50
Management in farm animals											
Livestock feed and fodder production											
Household food security	Balance diet	1	0	08	08	0	02	02	0	10	10
Any other (pl.specify)	1.Management of Pusa decomposer 2.Mushroom farming	2	50	3	53	5	2	7	55	5	60
TOTAL		**9**	**110**	**101**	**211**	**30**	**30**	**60**	**140**	**131**	**271**

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

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops											
Integrated Pest Management											
Integrated Nutrient management	INM in Sugarcane	01	10	0	10	0	0	0	10	0	10
Rejuvenation of old orchards	Canopy management of old (>25 years) mango orchards by central	01	20	01	21	0	0	0	20	01	21

	window opening and rejuvenation										
Production of high value and low valume crops	Production technology of early pea and other off season vegetables	01	50	0	50	0	0	0	50	0	50
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	1.Innovative techniques for animals 2. Nutrition and feeding of Cows and Buffalo Calves.	02	103	0	103	0	0	0	103	0	103
Livestock feed and fodder production	1. Urea Treatment of Paddy Straw: Method and Feeding of Animals	01	50	0	50	0	0	0	50	0	50
Household food security											
Nursery Management of Horticulture crops	Nursery raising of cucurbits in poly pouch	01	08	02	10	0	0	0	08	02	10
Layout and Management of Orchards	Layout & plantation of mango, litchi & guava crops	01	50	0	50	0	0	0	50	00	50
Any other (pl.specify)	1.Crop Residue Management Technique 2.Production technology of mustard crop 3.Nuresery managements of Agroforestry plants 4.Pruning in agroforestry plants	4	142	6	148	21	5	26	163	11	174
TOTAL		**12**	**433**	**9**	**442**	**21**	**5**	**26**	**454**	**14**	**468**

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

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops											
Integrated Pest Management	1.IPM in paddy 2.IPM in wheat	2	60	10	70	25	5	30	85	15	100
Integrated Nutrient management	INM in Sugarcane	1	10	0	10	0	0	0	10	0	10
Rejuvenation of old orchards	Canopy management of old (>25 years) mango orchards by central window opening and rejuvenation	1	20	01	21	0	0	0	20	01	21
Production of high value and low	Production technology	1	50	0	50	0	0	0	50	0	50

volume crops	of early pea and other off season vegetables										
Protected cultivation technology											
Production and use of organic inputs											
Care and maintenance of farm machinery and implements											
Gender mainstreaming through SHGs	Gender mainstreaming through SHGs	1	0	18	18	0	02	02	0	20	20
Formation and Management of SHGs											
Women and Child care	Early childhood care and education	1	0	06	06	0	04	04	0	10	10
Low cost and nutrient efficient diet designing	Low cost and nutrient efficient diet designing	1	0	14	14	0	07	07	0	20	20
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Community development through kitchen garden	Importance of kitchen garden for community development	1	0	42	42	0	08	08	0	50	50
Management in farm animals	1.Innovative techniques for animals 2. Nutrition and feeding of Cows and Buffalo Calves.	2	103	0	103	0	0	0	103	0	103
Livestock feed and fodder production	1. Urea Treatment of Paddy Straw: Method and Feeding of Animals	1	0	50	50	0	0	0	0	50	50
Household food security	Balance diet	1	0	08	08	0	02	02	0	10	10
Nursery Management of Horticulture crops	Nursery raising of cucurbits in poly pouch	1	08	02	10	0	0	0	08	02	10
Layout and Management of Orchards	Layout & plantation of mango, litchi & guava crops	1	50	0	50	0	0	0	50	00	50
Any other (pl.specify)	1. Management of Pusa decomposer 2.Mushroom farming 3.Crop Residue Management Technique 4.Production technology of mustard crop 5.Nuresery managements of Agroforestry plants 6.Pruning in agroforestry plants	6	192	9	201	26	7	33	218	16	234
TOTAL		**21**	**543**	**110**	**653**	**51**	**35**	**86**	**594**	**145**	**739**

Table. Sponsored training programmes

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

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

Name of sponsoring agencies involved

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

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

given KVK)			Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management											
Commercial floriculture											
Commercial fruit production											
Commercial vegetable production											
Integrated crop management											
Organic farming											
Others (pl. specify)											
Total											
Post harvest technology and value addition											
Value addition											
Others (pl. specify)											
Total											
Livestock and fisheries											
Dairy farming											
Composite fish culture											
Sheep and goat rearing											
Piggery											
Poultry farming											
Others (pl. specify)											
Total											
Income generation activities											
Vermicomposting											
Production of bio-agents, bio-pesticides,											
bio-fertilizers etc.											
Repair and maintenance of farm machinery											
and implements											
Rural Crafts											
Seed production											
Sericulture											
Mushroom cultivation											
Nursery, grafting etc.											
Tailoring, stitching, embroidery, dying etc.											
Agril. para-workers, para-vet training											
Others (pl. specify)											
Total											
Agricultural Extension											
Capacity building and group dynamics											
Others (pl. specify)											
Total											
Grand Total											

VII. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	687	657	30	687
Diagnostic visits	184	595	20	615
Field Day	21	610	0	610
Group discussions	5	65	10	75
Kisan Ghosthi	29	3542	50	3592
Film Show	7	456	30	486
Self -help groups	4	203	0	203
Kisan Mela	3	784	50	834
Exhibition	5	947	100	1047
Scientists' visit to farmers field	138	2742	30	2772
Plant/animal health camps	3	152	0	152
Farm Science Club	1	55	0	55
Ex-trainees Sammelan	1	42	5	47
Farmers' seminar/workshop	3	142	10	152
Method Demonstrations	24	456	15	471
Celebration of important days	5	342	40	382
Special day celebration	2	256	30	286
Exposure visits	11	678	0	678
Kisan Samman Diwas	1	654	25	679
Mahila Kisan Diwas	1	54	5	59
World Soil Health Day	1	178	0	178
Farmers visit at KVK	1042	1042	0	1042
Swachhta Pakhwada Abhiyan	8	345	0	345
Soil Health Cards Distribution	219	219	0	219
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	2245	25	2270
Posak vatika mahaabhiyan	1	65	2	67
Krishi Shichha Diwas	1	74	5	79
Vikshit Bharat Sankalp	11	1142	55	1197
Total	**2435**	**19057**	**547**	**19604**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	4
Extension Literature	15
News paper coverage	163
Popular articles	20
Radio Talks	3
TV Talks	4
Animal health amps (Number of animals treated)	50
Total	**259**

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**

VIII. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organised Technology Week	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
	Gosthies	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**	

IX. 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
Vegetable & Flower seedlings	Tomato Brinjal Cabbage Cauliflower Chilli Brocolli Flower(Pot Marigold, poppy, Sweet William etc)	 Palam Samridhi	RK-123 Dashrath RK-65 RK-70 Chanda	14800	8735.00	35
Total				**14800**	**8735.00**	**35**

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity (Kg)	Value (Rs.)	No. of Farmers
Bio Fertilisers	Vermi compost	1200	6000.00	25
		0	0	0
Bio-pesticide	Beauveria bassiana	0	0	0
	Metarrhizium anisoplae	0	0	0
	T. harzianum	520	67600.00	200
Bio-fungicide		0	0	0
		0	0	0
Bio Agents		0	0	0
		0	0	0
Others	Mushroom spawn	0	0	0
	Worms	5	2500.00	6
	Fresh Mushroom	15	900.00	11
Total		**1740**	**77000**	**242**

Table: Production of livestock materials: Nil

X. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	219	219	27	36830.00
Water				
Plant				
Manure				
Total	**219**	**219**	**27**	**36830.00**

XI. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
Saharanpur	01

XII. NEWSLETTER/MAGAZINE : Nil

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

XIII. PUBLICATIONS

Category	Number
Research Paper	0
Technical bulletins	7
Technical reports	17
Booklet	3
Book Cahpter	0
Training manual	3
Extension Litreture	16

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

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

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

Introduction of alternate crops/varieties: 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
Total			

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
Total												

XVI. DETAILS ON HRD ACTIVITIES

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

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

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

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

XIV. CASE STUDIES: Nil

XIX 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 KVK

a) CRM Machinery status of the CRM by KV

Name of machine	Name of machine procured	No. of demo conducted	Area covered (ha)	No. of farmers covered	Result					
					Demo yield (q/ha)	Check yield (q/ha)	Increase in yield %	Cost of cultivation (Rs/ha)	Net return (demo plot)	B:C ratio
Happy Seeder										
Reversible M.B. Plough	CRM	25	10	25	Result awaited					
Paddy Straw Chopper/ Shradder / Mulcher										
Zero Till Drill	CRM	15	6	15	Result awaited					
Rotavator										
Tractor										
Total										

	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 KVK

S. No.	Name of IEC activity	No. of activities	No. of Participants
1.	Kisan Melas organized	1	630
2.	Awareness programmes conducted at Village Panchayat/ Block/ District Level	8	825
3.	Mobilization of schools and colleges through essay completion, painting, debate etc.	2	840
4.	Demonstration conducted (ha)	218	218
5.	Training Programmes conducted	2	50
6.	Exposure visits organized	3	150
7.	Field /harvest days organized	0	0
	Total	**234**	**2713**

c) Other IEC activities organized under CRM Project by KVK:

S. No.	Name of IEC activity	No. of activities
1.	Advertisement in Print media	8
2.	Column / Articles in newspaper and magazines etc.	10
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	6000
6.	TV programmes/ panel discussions Doordarshan/ DD-Kisan and other private channels	5
7.	Wall writing	24
	Total	**6084**

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

4) Achievement of KSHAMTA (Knowledge Systems And Home Based Agricultural Management in Tribal Areas): 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 (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples
No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On- farm trials	Frontline demos	Mobile agro-advisory to farmers						

6) Achievement under IFS 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) Activities performed under NARI programme: N.A

Table-7.1: Details of activities performed under NARI programme

Nutritional Garden		Bio-fortified crops		Value addition		Training programmes		Extension activities	
No of Established	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries

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

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

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

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

Soil	0.00219	0.00219	0.00027	0.36830	0.00219
Total					

9) 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**

10) Achievements under ARYA Project

Name of entrepreneurial units	No. of entrepreneurial units established	No. of Training programs organised	No. of rural youth trained		No. of youth established units	
			Male	**Female**	**Male**	**Female**
Mushroom production	131	1	16	4	16	4
Fruits and vegetable processing units,						
Horticulture nursery						
Fish farming						
Poultry	62	1	18	02	20	0
Goat farming						
Piggery						
Duck farming						
Bee keeping						
Others if any						

11) 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						

12) Achievements under Swachhata Abhiyan Mission:

S.No.	Items	No. of Programmes	No. of persons 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

13) 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	

14) Awards

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

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

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