C O N T E N T S

APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	103	1680	340	2020
Rural youths	10	80	20	100
Extension functionaries	24	315	90	450
Sponsored Training	7	212	68	280
Vocational Training	-	-	-	-
Total	**144**	**2287**	**518**	**2850**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	50	20.0	01 Cattle unit
Pulses	50	15.0	Mushroom Unit
Cereals	20	8.0	01 NADEP
Vegetables	20	8.0	Vermi Compost
Other crops	20	8.0	Fish Pond ,
Commercial crops	20	8.0	Jagery Unit
Total	**180**	**67.0**	
RCT	20	8.0	
Other enterprises	30	0.25	
Dairying Management	30	-	
	80	**8.25**	
Grand Total	**260**	**75.25**	

3. Technology Assessment & Refinement

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Wheat			
Varietal evaluation of late sowing variety of wheat	1	06	03
Heavy incidence of weeds in wheat crop	1	06	03
Assessment of fertilizer dose in wheat on the bases of soil testing	1	06	03
Sugarcane			
Assessment of insecticides to control top borer in Sugarcane	1	06	03
Assessment of fungicide to control Pokka Bowing disease in Sugarcane	1	06	03
Paddy			
Assessment of fertilizer dose in paddy on the bases of soil testing	1	12	06
Nutritional Security			
Assessment of effective supplementation of fortified wheat and other flour	1	06	03
Farm Mechanization			
Application of ratoon maneger machine for sugarcane ratoon crop to have higher yield and low infestation diseases and pest	1	06	03
Low yield of Sugarcane due to traditional sowing technique	1	06	03
Dairy management			
Evanluation of clinical (Dewormer & hormonal) (Buffalo)	1	10	10
Evanluation of clinical (Dewormer & hormonal) (Cattle)	1	0	10
Total	**11**	**80**	**50**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	988	11084
Other extension activities	130	Mass
Total	**1118**	11084

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	285	20	23	15	65	35	443
	Voice only	890	35	25	25	410	130	1515
	Voice & Text both	0	0	0	0	0	0	0
	Total Messages	**1175**	**55**	**48**	**40**	**475**	**165**	**1958**
	Total farmers Benefited	**910**	**35**	**38**	**61**	**452**	**161**	**1657**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q) Wheat	35.25	77550
Mustard	78.4	431200
Planting Material (No.)	-	-
Bio-Products (kg)	-	-
Livestock Production (No.)		
Fishery production (No.)		
Fodder		173000
Total	**113.65**	**681750**

7. Soil, water & plant Analysis

Samples	No. of farmers	Value Rs.
Soil	250	35200
Water		
Plant		
Total	**250**	**35200**

8. HRD and Publications

Sr. No.	Category	Number	No. of participants
1	Workshops	03	-
2	Conferences	01	45
3	Meetings	12	105
4	Trainings for KVK officials	12	Mass
5	Visits of KVK officials	10	120
6	Book published	02	-
7	Training Manual	02	-
8	Book chapters	03	Mass
9	Research papers	06	Mass
10	Lead papers	09	Mass
11	Seminar papers	04	Mass
12	Extension folder	18	Mass
13	Proceedings	04	-

DETAIL REPORT OF APR-(Jan 2023 to December 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Hastinapur, Meerut	01233-280605	01233-280605	meerutkvk@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
SardarVallabhbhai Patel University of Agriculture & Technology, Meerut	0121-2888522, 2888511	0121-2888505, 2888540	deesvpuat2014@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Omvir Singh	09412109215	09412109215	omvirsvp@gmail.com

1.4. Year of sanction: 1992

1.5 Staff Position (as on 31 December, 2023)

SN	Sanctioned post	Name of the incumbent	Design-ation	Subject	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/Others)	Mobile no.	Age	Email id
1	Professor and Head	Dr. Omvir Singh	Professor and Head	Horticulture	37400-67000	211800	07.01.2004	Permanent	OBC	9412109215	58	omvirsvp@gmail.com
2	Subject Matter Specialist	Dr.(Engg.) Sanjay Singh	Assoc. Professor	Agri. Engg.	15600-39000	156900	10.12.2003	Permanent	Gen	8279642419	53	sanjaytwofour@ gmail.com
3	Subject Matter Specialist	Dr.Rakesh Tiwari	S.M.S/ Asstt. Prof.	Soil Science	15600-39000	101100	21.06.2008	Permanent	Gen	9411820189	53	191rakeshtiwari@ gmail.com
4	Subject Matter Specialist	Smt. VeenaYadav	S.M.S/ Asstt. Prof.	Home Science	15600-39000	89900	23.06.2008	Permanent	OBC	9457263482	53	veenayadav1020@ gmail.com
5	Subject Matter Specialist	Dr. Naveen Chandra	S.M.S/ Asstt. Prof.	Entomology	15600-39000	104100	23.06.2008	Permanent	OBC	9450803857	53	nchandra120@gmail.com
6	Subject Matter Specialist	Dr Sonika Arya	S.M.S	Live Production Management	15600-39000	57800	01.07.2022	Permanent	OBC	7404226891	33	vety.sonikagrewal2013@gmail.com
7	Subject Matter Specialist	Dr. Shubham Arya	S.M.S	Agronomy	15600-39000	56100	06.07.2022	Permanent	OBC	9012388383	32	shubhamarya516@gmail.com
8	Programme Assistant	Dr. Jitendra Arya	Programme Assistant	Horticulture	9300-34800	86000	01.07.1998	Permanent	OBC	9412311554	58	Jkarya67@gmail.com
9	Programme Assistant	Smt. Vibha Sahu	Prog. Assistant	Computer	9300-34800	78800	21.10.1999	Permanent	OBC	9410456174	49	vibha.sahu1@gmail.com
10	Accountant / Superintendent	Sh Amit Chaudhary	O.S. Cum Accountant	-	9300-34800	70000	10.12.2003	Permanent	OBC	9761444004	42	amitsvpuat@gmail.com

11	Stenographer	Sh. Sudesh Kumar	Steno	-	5200-20200	46800	15.12.2003	Permanent	SC	9457273887	47	Sudeshmeerut123@gmail.com
12	Driver	Sh. Upendra Kumar	Jeep Driver	-	5200-20200	33300	02.08.2007	Permanent	OBC	9837194455	51	-
13	Supporting staff	Sri Amar Singh	Field Attendent	-	5200-20200		13.12.1999	Permanent	OBC			
14	Supporting staff	Sh. Hari Das	Sweeper	-	5200-20200	38600	01.07.1998	Permanent	SC	9760855760	49	-

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	2.00
2.	Under Demonstration Units	1.00
3.	Under Crops	5.50
4.	Orchard/Agro-forestry	0.40
5.	Others (specify)	0.30

1.7. Infrastructural Development:

A) **Buildings**

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	23.05.2009	510	54.88	-	-	Completed
2.	Farmers Hostel	ICAR	30.06.2007	300	22.92	-	-	Completed
3.	Staff Quarters (6)	ICAR	30.06.2007	400	26.72	-	-	Completed
4.	Demonstration Units (2)	ICAR	30.06.2007	160	11.06	-	-	Completed
5	Fencing	ICAR	30.06.2007	1000	13.77	-	-	Completed
6	Threshing Floor	ICAR	30.06.2007	300	2.34	-	-	Completed
7	Farm Go down	ICAR	30.06.2007	60	3.63			Completed
8	Soil Testing Lab	ICAR	30.05.2006	80	3.20			Completed
		Total	**138.52**					

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	2017	5,20,000	200 hours	Working
Jeep (Bolero)	2007	5,32,000	194154	Condemn
Motor cycle	1992	28,000	80000	Condemn

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Cultivator	2017	-	working
Disk Harrow	2017	-	working
Ridge Maker disc type	2017	-	working
Seed drill	1993	-	Non-working
Seed cum fertilizer drill 11 tiyen	1993	-	Non-working
Trolly (Tractor)	1994	-	Working
LCD Projector	2007	125000	Working
TV	1995	18000	Working
Disc Harrow (14 Wheel)	2006	27000	Working
DVD/CD Player	2007	2500	Working
Taka Machine (Chef Cutter)	2008	8700	Working
Computer	2011	20000	Working
Camera Sony	2011	11428	Working

1.8. Details SAC meeting* conducted in the year- 10 Nov. 2023

Scientist Advisory Committee Meeting of KVK, Meerut has been organized on 10, November, 2023. Total following 27 participants participated in the meeting and submit their valuable suggestions .

A. Details of Participants: **Total No.Participants:27**

S.No.	Name of Participants	Designation	Department
1	Dr. Satendra Khari	Joint Director, Directorate of Extension	SVP Univ. of Agric. & Tech. Meerut
2	Dr. P.K.Singh	Assoc. Professor,	SVP Univ. of Agric. & Tech. Meerut
3	Dr. Sarvesh Lodi	Professor,	SVP Univ. of Agric. & Tech. Meerut
4	Dr Raghvendra Singh	Principal Scientist	IIFSRR, Modipuram Meerut
5	Dr. Anuj Bhatnagar	Principal Scientist	CPRI, Modipuram Meerut
6	Dr Priyanka	Vet. Officer Hastinapur	Rajkiya Pashu Chikitsalaya, Hastinapur
7	Dr. R.B. Tiwari	Scientist	IIFSRR, Modipuram Meerut
8	Sri. Neelesh Chaurashiya	DD Agriculture	Krashi Vibhag, Meerut
9	Sh. Mahendra Singh	Farmer	Hastinapur
10	Sh. Shodan Singh	Farmer	Village – Amhera
11	Sh Kanshiram	Farmer	Village – Rahmapur
12	Sh Kanshiram	Farmer	Village – Rahmapur
13	Smt Barfi	Farm Women	Village- Karimpur

14	Smt Meera	Farm Women	Village- Hastinapur
15	Dr. Omveer Singh	Professor& head	KVK, Hastinapur, Meerut
16	Dr. Sanjay Kumar	Associate Director (Agric. Engg.)/ Officer Incharge	KVK, Hastinapur, Meerut
17	Dr. Rakesh Tiwari	SMS/Asstt. Professor (Soil Sc.)	KVK, Hastinapur, Meerut
18	Dr Naveen Chandra	SMS/Asstt. Professor (PP.)	KVK, Hastinapur, Meerut
19	Smt. Veena Yadav	SMS/Asstt. Professor (Home Sci.)	KVK, Hastinapur
20	Dr. Shubham Arya	SMS (Agronomy)	KVK, Hastinapur
21	Dr. Sonika Grewal	SMS (Livestock Production)	KVK, Hastinapur
22	Dr. J. K. Arya	Prog. Asstt./Farm Manager	KVK, Hastinapur
23	Smt Vibha Sahu	Prog. Asstt./Computer	KVK, Hastinapur
24	Sh. Amit Chaudhary	Accountant	KVK, Hastinapur
25	Sh. Sudesh Kumar	Steno Cum/ Comp Operator	KVK, Hastinapur
26	Sh Upendra Kumar Yadav	Driver	KVK, Hastinapur
27	Sh Uma Shanker	Driver	IIFSR, Modipuram, Meerut

B. Recommendation and Action Taken

S.No.	Recommendation and suggestions
1	It is emphasized on the introduction of new verities of Potato and farmer should be linked to the marketing
2	Farmers training programme should be organize season wise with relevant timing
3	It is emphasized that in FLD Programme bio fortified varieties should be included.
4	In Action Plan FLD of Wheat performance demonstration of Nano urea should be with 75 % of Nano Urea.
5	In action plan FLD of kitchen gardening should include cow based manure.
6	It was suggested by the farmers that blockwise demonstration should be tested.
7	It was suggested by the farmers that more plantation should be promoted by the KVK along with the farmer in the district.
8	It was suggested by the farmers that more no of farmer should be collaborated with the KVK and CPRI and also organized exposure visit to CPRI time to time.
9	It is emphasized o the adoption of various agricultural techniques among the farmers by rigorous efforts .

2. DETAILS OF DISTRICT (Year 2023)

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

SN	Farming system/enterprise
1	Cropping (Sugarcane- Ratoon –Wheat) + Live Stock
2	Crop Cultivation (Rice-Wheat) + Live Stock
3	Horticulture (Vegetable) + Live Stock
4	Horticulture (Flower) + Live Stock + Cropping

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

SN	Agro-climatic Zone	Agro-ecological situations based on soil & topography	Characteristics
1	Western plain zone		1. The zone includes districts of Muzaffarnagar, Meerut, Baghapat, Ghaziabad, Gautam Budh Nagar, Panchsheel Nagar, Bulandshahr and parts of Saharanpur located between the Ganga and Yamuna River and their tributaries. 2. The zone is highly productive with light coloured loam soil. The average annual rainfall is 795 mm. 3. Relative humidity range from 32 to 85% and the temperature ranges from 2.5^0 C to 43^0C. Rice wheat sugarcane based cropping system is prevalent in the zone.

Situation	Soil Type	P^H	Farming system	Major crops	Live stock	Block
AES I	Loam	7.5-8.5	Sugarcane-Ratoon-Wheat, Agro forestry and/or Jower-wheat (2-3 Graded buffalo/1 Cross bread cow)	Sugarcane, wheat, Paddy, potato, vegetable, Jower	Buffalo, cow, Poultry, Sheep & Goat	Mawana, JaniPariksheetgarh, Machhra, Kharkoda, Rajpura, Meerut, Duaralla, Sardhana, Saroorpur, Rohta,
AES II	Loam Sand	7.0-8.0	Sorghum-Potato-Cucurbits and/or Sugarcane-Ratoon-Wheat (2-3 Graded buffalo/ 1 Cross bred cow)	Sugarcane, Potato, Wheat, Mango, Bajra, Jower	Buffalo, cow, Poultry, Sheep & Goat	Hastinapur, Pariksheetgarh, Machhra, Kharkhoda, Jani, Rohta, Saroorpur, Sardhana

AES II	Sandy loam, Silty loam, Clay laom	7.5-7.9	Paddy-wheat and/or Jower-Wheat-Sugarcane –Ratoon-Wheat (2-3 Graded buffalo/ 1 Cross bred cow)	Sugarcane, Paddy, Wheat, Jower, Vegetable	Buffalo, cow, Poultry, Sheep & Goat	Hastinapur, Pariksheetgarh

2.3 Soil type/s

SN	Soil type	Characteristics	Area in ha
1	Sandy loam to loam with normal P^H	The soils have enough clay to store adequate amounts of water and plant nutrients for optimum plant growth. They contain enough silt to hold sufficient available water for plants, to gradually from more clay and to release fresh plant nutrients by weathering. Clay content is not much as to cause poor aeration or to make working with them difficult. A soil containing between 7 to 27% clay and approximately equal amount of silt and sand has a loam texture. Organic content in the soil is 0.3 to 0.4%.	**Total –259000** a) Cultivated Land-2,00,000 b) Forest area- 21314 c) Horticulture- 2266 d) Other- 35420

2.4. Area, Production and Productivity of major crops cultivated in the district (Year 2023)

SN	Crop	Area (ha)	Production (M.Ton)	Productivity (Qtl /ha)
1	Sugarcane	132624.0	122958363.0	927.12
2	Wheat	78013.0	3260943.0	41.80
3	Paddy	13665.0	337115.0	24.67
4	Maize	180.0	4390.0	24.39
5	**Barely**	112.0	450.0	40.18
6	**Oil seed:** Mustard	6085.0	84399.0	13.87
Pulses				
7	Urd	1137.0	14031.0	12.34
8	Gram	9.0	120.0	13.33
9	Moong	39.0	130.0	3.33
10	Pea	341.0	5514.0	17.17
11	Lentil	454.0	1286.0	9.44
12	Arhar	1147.0	10139.0	8.84

2.5. Weather data (Year 2023)

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)	
		T min	T max	Rh1	Rh2
January	11.2	17.41	5.45	93.19	72.42
February	0.00	27.06	10.83	81.07	48.84
March	145.7	29.69	14.82	72.39	50.68
April	6.8	33.71	18.98	56.13	33.93
May	44.1	35.21	21.64	58.90	41.48
June	17.0	36.7	24.9	63.6	47.2
July	436.9	32.2	25.7	90.1	80.1
August	207.8	34.1	26.0	84.4	72.7
September	238.8	33.8	24.9	81.8	69.9
October	17.0	36.7	24.9	63.6	47.2
November	0.2	28.90	17.05	78.57	61.43
December	0.0	22.44	7.76	88.87	70.87

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

Category	Population	Production (Lt/day)	Productivity (Lt/day)
Cattle			
Crossbred	133279	1299470.25	9.75
Indigenous	76049	475306.25	6.25
Buffalo	567070	4820095	8.50
Sheep			
Crossbred	482	771.20	1.60
Indigenous	3490	7852.50	2.25
Goats	44353	66529.50	1.50
Pigs			
Crossbred	8947	--	--
Indigenous	12388	--	--
Poultry (Egg)			
Hens	85565	--	273 egg/year
Desi	--	--	79 egg/year
Improved (Dual Purpose)	--	--	167 egg/year
Turkey and others	2483		
Category	**Area**	**Production**	**Productivity**
Inland	--	--	33.00 q/ha

2.7 Details of Operational area villages 31 December , 2023

SN	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Meerut	Kharkhoda	Piplikhera, Kelli, Gheza, KankerKhera, Ataula, Khandawali, Jhinjharpur, Nirpura	Sorghum, Potato Wheat, Mustard Livestock production (2-3-Graded buffalo / 1-Crossbred cow)	• Late sowing of sugarcane • Low production of milk in Cow and Buffaloes • Deficiency of miner elements and organic matter in soils • Attack of white grub in sugarcane • Reducing production area of pulses due to blue horse. • Red rot and grassy shoot in sugarcane • No use of Potash and micro elements in crops • Low production of old orchards • Unorganized marketing system of agriculture produce • Long dry period and infertility in milch animals • Weed infestation in wheat. • Depletion of ground water • Insect attack in vegetables	• Intercropping with sugarcane • Soil health management • Management of infertility and repeat heat in Cattle and Buffaloes • Weed management in Paddy and Wheat • Balance use of fertilizer • Crop residues management • Pest management in Paddy and Sugarcane • Disease management in vegetable crops. • Promotion of Oilseed and Pulses crops. • Crop productivity enhancement in late sown wheat. • Nutritional management among farm women and children • Introduction of HYV/Hybrids in vegetables. • Promotion of green manuring. • Managements of Mango orchards.
		Rajpura	Salarpur, Muzaffarpur Saini, Rajpura, Morna, Kastla, Mameypur, Incholi, Kaserukhera	Sugarcane, Pigeon pea, Potato & Wheat		
		Daurala	Nihori, Lawad, Mahalka, Macchri, Rasoolpur, Walidpur, Panvari, Meetheypur, Andawali, Eloi, Daurala, Rassolpur	Vegetables, Sugarcane, Wheat Mustard,		
		Meerut	Chandsara, Alipur, Gagol, Phafunda, Fatehullahpur, Noornagar, TarapuriRasidnagar	S/cane, Urd, Rice Wheat		
	Sardhana	Sardhana	Mahadev, Kushawli, Begumabad, Nahli, Pali	S/cane, Wheat, Vegetables, Flower	• Late sowing of sugarcane • Low production of milk in Cow and Buffaloes • Deficiency of miner elements and organic matter in soils • Attack of white grub in sugarcane • Reducing production area of pulses due to blue horse. • Red rot and grassy shoot in sugarcane	• Intercropping with sugarcane • Soil health management • Management of infertility and repeat heat in Cattle and Buffaloes • Weed management in Paddy and Wheat • Balance use of fertilizer • Crop residues management • Pest management in
		Suroorpur	Pawarsa, Ikdri, PanchiBuzurg	-do-		
		Rohta	Rohata, Arnavali, Rasana, Shahapur jain pur,	S/cane, wheat		
		Jani	Baffar, Meerpur, MohammadpurDhumi, Khumbha, SiwalKhas, NaglaKumbha, Bhola Ki Jhal	S/cane, wheat, mustard, paddy &Urd		

2					• No use of Potash and micro elements in crops • Low production of old orchards • Unorganized marketing system of agriculture produce • Long dry period and infertility in milch animals • Weed infestation in wheat. • Depletion of ground water • Insect attack in vegetables	Paddy and Sugarcane • Disease management in vegetable crops. • Promotion of Oilseed and Pulses crops. • Crop productivity enhancement in late sown wheat. • Nutritional management among farm women and children • Introduction of HYV/Hybrids in vegetables. • Promotion of green manuring. • Mngt.of Mango orchards.
3	**Mawana**	Hastinapur	Jhal Ganeshpur, Saifpur MeewaMammudpur Latiffpur, Makannagar Pali, Naglagusai, Rani nagla, Matora, BasturaNarang, Nagala Chand, Sikhera, RathoraKhurd, JoraJalapur, Seena, Tajpura, More Khurd, Rampur Ghoria, MohammadpurSikhast, Nagli, Karimpur, Bhadrakali, Behsuma, Tarapur, Pandwan, Makhdoompur, KundaChetawala, BamnoliBadahuakheri, Latifpur, Bheemkhund	Sugarcane, Wheat Rice, potato, Mustard, Chickpea, Urd, Moong	• Late sowing of sugarcane • Low production of milk in Cow and Buffaloes • Deficiency of miner elements and organic matter in soils • Attack of white grub in sugarcane • Reducing production area of pulses due to blue horse. • Red rot and grassy shoot in sugarcane • No use of Potash and micro elements in crops • Low production of old orchards • Unorganized marketing system of agriculture produce • Long dry period and infertility in milch	• Intercropping with sugarcane • Soil health management • Management of infertility and repeat heat in Cattle and Buffaloes • Weed management in Paddy and Wheat • Balance use of fertilizer • Crop residues management • Pest management in Paddy and Sugarcane • Disease management in vegetable crops. • Promotion of Oilseed and Pulses crops. • Crop productivity enhancement in late sown wheat. • Nutritional management among
		Parikshitgarh	Geshupur, Bonda, Kalirampur, Neemka, Khajuri, Dhanpura, Jithola, Anwarpur, Kohla	Sugarcane, Wheat Rice, potato, Mustard, Chickpea, Urd, Moong		

		Mawana Kala	Meewa, Assa, Matoura, Tatina, Niloha, Pilona, Baizadka, Kunda, AkbarpurGhari, Bhaisa, Nidawali, Tigri, Geshupur, Sirjepur, Meerpur, AkbarpurShadat, Mubareekpur, NagalaAjedi, NagalaHareur, Phalawada, ChotaMawana,	Sugarcane, Wheat Rice, potato, Mustard, Chickpea, Urd, Moong	animals • Weed infestation in wheat. • Depletion of ground water • Insect attack in vegetables • Late sowing of sugarcane • Low production of milk in Cow and Buffaloes • Deficiency of miner elements and organic matter in soils • Attack of white grub in sugarcane • Reducing production area of pulses due to blue horse. • Red rot and grassy shoot in sugarcane • No use of Potash and micro elements in crops • Low production of old orchards • Unorganized marketing system of agriculture produce • Long dry period and infertility in milch animals • Weed infestation in wheat. • Depletion of ground water	farm women and children • Introduction of HYV/Hybrids in vegetables. • Promotion of green manuring. • Managements of Mango orchards. • Intercropping with sugarcane • Soil health management • Management of infertility and repeat heat in Cattle and Buffaloes • Weed management in Paddy and Wheat • Balance use of fertilizer • Crop residues management • Pest management in Paddy and Sugarcane • Disease management in vegetable crops. • Promotion of Oilseed and Pulses crops. • Crop productivity enhancement in late sown wheat. • Nutritional management among farm women and children
		Machara	MaukhasHasanpur, Kaili Rampur, Dabthala, Behlolpur, Shahjahanpur,	Crops, Vegetables, Bee keeping		

2.8 **Priority Thrust Areas**

S N	Crop/Enterprise	Thrust area
1	Wheat, Paddy, Sugarcane	Promotion of natural farming
2	Vegetable & field crop	Promotion of Drone technology
3	Vegetable & field crop	Promotion of Nano Urea application in crops
4	Nutritional security	Promotion of millets & bio fortified varieties of vegetables in human diet
5	Pulses	Promotions of pulses as intercrop with sugarcane.
6	Resource Conservation	Management of crop residues
7	Integrated Pest Mangt.	Biological control of diseases and pest management
8	Soil Health Mangt.	Soil testing based application of fertilizers
9	Dairy management	Improving fertility of dairy animals

3. TECHNICAL ACHIEVEMENTS

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

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
12	11	70	50	100-200	75.25	200	260

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	100	103	2000	2020	500	988	5000	11084
Rural youth		10		100				
Extn. Functionaries		24		450				
Sponsored		07		280				
		144		**2850**	**500**	**988**	**5000**	**11084**

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	35.25 (Wheat)	NSC	20000	--	--
	78.4 Mustard)	NSC			

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs (January to December 2023)

S. No.	Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
1	Integrated Crop Management	Wheat	Varietal evaluation of late sowing variety of wheat	06	03
2			Heavy incidence of weeds in wheat crop	06	03
3	Integrated Pest Management	Sugarcane	Assessment of insecticides to control top borer in Sugarcane	06	03
4	Integrated Disease Management	Sugarcane	Assessment of fungicide to control Pokka Bowing disease in Sugarcane	06	03
5	Integrated Nutrient Management	Wheat	Assessment of fertilizer dose in Wheat on the basis of soil testing	06	03
6	Integrated Nutrient Management	Paddy	Assessment of fertilizer dose in Paddy on the basis of soil testing.	12	06
7	Resource Conservation Technology	Sugarcane	Low yield of Sugarcane due to traditional sowing technique	06	03
8		Sugarcane	Application of ratoon maneger machine for sugarcane ratoon crop to have higher yield and low infestation diseases and pest	06	03
9	Nutrition security	Wheat	Assessment of the effective supplementation of fortified wheat flour for improvement of nutritional status of farm women.	06	03
10	Dairy management	Buffalo	Evanluation of clinical (Dewormer & hormonal)	10	10
11		Cattle	Evanluation of clinical (Dewormer & hormonal)	10	10
	Total			**80**	**50**

I.B. TECHNOLOGY ASSESSMENT IN DETAIL

On Farm Trial –1

THEMATIC AREA: INTEGRATED CROP MANAGEMENT

Problem definition: Low production in late sown condition in wheat

Technology Assessed: Technology to be assessed wheat variety HD-3298

Table: Performance of wheat variety HD-3298

Technology Option	No. of trials	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross income (Rs)	Net returns (Rs)	BC ratio (Rs)
T_1: Farmer Practice (Use of PBW-590)	06	Result awaited					
$T_{2:}$ Wheat variety HD-3298							

THEMATIC AREA: INTEGRATED CROP MANAGEMENT

On Farm Trial –2

Problem definition: Heavy incidence of weeds in wheat crop

Technology Assessed: Weedicides- clodinafop propargyl 12 % + matribuzin 42 %

Table: Performance of Weedicides- clodinafop propargyl 12 % + matribuzin 42 %

Technology Option	No. of trials	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross income (Rs)	Net returns (Rs)	BC ratio (Rs)
T_1: Farmer Practice (Sulfosulfuron 75 % + Metsulfuron Methyle	06	Result awaited					
$T_{2:}$ clodinafop propargyl 12 % + matribuzin 42 %							

On Farm Trial –3

THEMATIC AREA: INTEGRATED PEST MANAGEMENT

Problem diagnosed **:** Heavy incidence of top borer

Technology Assessed: Assessment of insecticide to control top borer in Sugarcane

KVK Hastinapur (Meerut) has been conducted "On Farm Trial" entitled Assessment of insecticide to control top borer in Sugarcane Tetraniliprole 18.8% sc @ 800 ml/ha 15 days interval as farmer practice Two application of Furadan @ 36k g/ha 15 days interval has quite edge over other farmer practices in term of insect incidence yield potential and economic returns.

Table: Effectiveness, yield and economic parameters of different treatments for the management of top borer in Sugarcane

Technology Option	No. of trials	Insect incidence (%)	Yield q./ha	% age increased	Cost of Cultivation	Gross Return (Rs)	Net Return (Rs)	B:C Ratio
T_1- Two application of Furadan @ 36k g/ha 15 days interval	06	15.8	795.0	13.20	96200	278250	181750	1:2.89
T_2- Two Spray of Tetraniliprole 18.8% sc @ 800 ml/ha 15 days interval		3.50	900.0		99500	315000	215500	1:3.16

Sale price: Sugarcane Rs. 350/q

On Farm Trial –4

THEMATIC AREA: INTEGRATED DISEASES MANAGEMENT

Problem definition: Low yield due to severe infestation of Pokka Bowing disease in Sugarcane

Technology assessed: Assessment of fungicide to control Pokka Bowing disease in Sugarcane

KVK Hastinapur (Meerut) has been conducted "On Farm Trial" entitled Assessment of fungicide to manage disease by applying of two Spray of Azoxystrobin 8.3%+Mancozeb 66.7%@1500g/ha 15 days interval and with two Spray of Copper-oxychloride @ 3000 g/ha 15 days interval. An appraisal of data collected the fungicide Azoxystrobin 8.3%+Mancozeb 66.7%@1500g/ha two spray has quite edge over other farmer practices in term of disease incidence yield potential and economic returns.

Table: Effectiveness, yield and economic parameters of different treatments for the management of Pokka Bowing disease in Sugarcane

Technology Option	No. of trials	Disease incidence (%)	Yield q./ha	% age increased	Cost of Cultivation	Gross Return (Rs)	Net Return (Rs)	B:C Ratio
T_1- Two Spray of Copper-oxychloride @ 3000 g/ha 15 days interval	06	13.50	792.0	11.31	96200	277200	181000	1:2.88
T_2- Two Spray of Azoxystrobin 8.3%+Mancozeb 66.7%@1500g/ha 15 days interval		4.50	893.0		99500	312550	213050	1:3.14

Sale price: Sugarcane Rs. 350/q

On Farm Trial – 5

THEMATIC AREA: INTEGRATED NUTRIENT MANAGEMENT

Problem definition: Imbalanced use of Fertilizer in late sown wheat. (2022-23)

Technology assessed: Assessment of fertilizer dose in Wheat on the basis of soil testing.

KVK Hastinapur (Meerut) has conducted an "On Farm Trial" entitled Assessment of fertilizer dose in Wheat(DBW-173) on the basis of soil testing compared with farmers practice. An appraisal of data collected, balance use of fertilizer i.e. N:P:K:Zn:S:Fe@ N,P,K, Zn & S - 120:60:40:30 & 25 kg/ha.) increased yield up to 46.90 qt./ha. As compared with farmers practice produces 42.60 qt/ha.

Technology Option	No. of trials	Yield q./ha	% age increased	Cost of Cultivation (Rs./ha)	Gross Return (Rs)	Net Return (Rs)	B:C Ratio
T_1- Farmer practices (Imbalance use of fertilizers N:P:K 150:60:0:40)	06	42.60	-	49507	89460	39953	1:1.81
T_2-N:P:K:Zn:S:Fe@ N,P,K, Zn & S-120:60:40:30 & 25 kg/ha.)		46.90	10.09	51490	98490	47000	1:1.92

Variety DBW-173 Sale price Wheat @ Rs. 2100 /qt

Feed back: *It is difficult for farmer of interior location to reach the soil testing laboratory.*

Farmers Name	pH	EC	OC %	P2O5	K2O	S	Zn	B	Fe	Mn	Cu
Sanjeev Kumar	**7.58**	**0.27**	**0.28**	**12.9**	**140**	**5.9**	**0.38**	**0.59**	**1.2**	**4.9**	**5.7**
Praveen Kumar	**7.55**	**0.22**	**0.31**	**20.4**	**135**	**4.8**	**0.35**	**0.57**	**1.1**	**5.1**	**5.2**
Amrish	**7.70**	**0.28**	**0.34**	**15.9**	**130**	**4.5**	**0.42**	**0.58**	**1.4**	**4.7**	**5.1**

Soil Status Nitrozen- Low, fertilizer based- 210 Kg/ha.
Phosporus – Low, 132 Kg/ Ha
Potash- Medium, 68 Kg/ha.
Sulphur- 40 Kg/ha.
Zinc(21 %)- 30 Kg/ha.
Ferrous- 25 Kg/ha.

On Farm Trial –6

THEMATIC AREA: INTEGRATED NUTRIENT MANAGEMENT

Problem definition: Imbalanced use of Fertilizer in Paddy (Pusa- 1509).(Kharif 2023)

Technology assessed: Assessment of fertilizer dose in Paddy on the basis of soil testing.

KVK Hastinapur (Meerut) has conducted an "On Farm Trial" entitled Assessment of fertilizer dose in Paddy (Pusa-1509) on the basis of soil testing compared with farmers practice. An appraisal of data collected, balance use of fertilizer i.e. N:P:K:Zn:S:Fe@ N,P,K, Zn & S-120:60:40:25:25 & 0 kg/ha.) increased yield upto 46.20 qt./ha. As compared with farmers practice produces 40.10 qt/ha.

Technology Option	No. of trials	Yield q./ha	% age increased	Cost of Cultivation (Rs./ha)	Gross Return (Rs)	Net Return (Rs)	B:C Ratio
T_1- Farmer practices (Imbalance use of fertilizers N:P:K 150:75:0:25)	06	40.10	15.34	58690	128320	69630	1:2.19
T_2-N:P:K:Zn:S:Fe@ N,P,K, Zn & S-120:60:40:25:25 & 0 kg/ha.)		46.20		55573	148000	92427	1:2.66

Farmers Name	pH	EC	OC %	P2O5	K2O	S	Zn	B	Fe	Mn	Cu
Satveer Singh	7.50	0.29	0.31	14.4	120	1.9	0.48	0.51	1.0	4.9	5.1
Sumantra	7.60	0.27	0.35	15.3	118	4.8	0.30	0.55	1.1	5.4	4.9
Jitendra	7.55	0.25	0.29	18.2	125	3.7	0.29	0.54	1.4	5.6	5.4

Soil Status Nitrozen- Low,
fertilizer based- 210 Kg/ha.
Phosporus – Low, 132 Kg/ Ha
Potash- Medium, 102 Kg/ha.
Sulphur- 40 Kg/ha.
Zinc(21 %)- 25 Kg/ha.
Ferrous- 25 K

On Farm Trial –7

THEMATIC AREA - Resource Conservation

Problem diagnosed : Low yield of Sugarcane due to traditional sowing technique (2022-23)

Technology Assessed: Assessment of performance of low cost machinery i.e. sugarcane trench planter.

Krishi Vigyan Kendra, Hastinapur, Meerut is continuing its intervention in planting techniques to replace the tradional techniques of sugarcane planting as it is still done by the Ridger by the most of the farmer in the district. Therefore the dissemination of low cost planting techniques is required for the medium and small farmers to enhance their productivity for their better livelihood. In present intervention the trench method placing of sugarcane sets perpendicular to the trench was opted in present on farm trial.

Table: Performance of different method of planting of Sugarcane.

Technology Option	No. of trials	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross income (Rs)	Net (Rs)	BC (Rs)
T_1: Farmer practice – Planting of Sugarcane by raiser	06	800	30.31	96200	280000	183800	1:2.91
T_2: Trench method placing of sugarcane sets perpendicular to the trench		1148		97000	401800	304800	1:3.14

Sale price of Rs.350/Qt

On Farm Trial –8

THEMATIC AREA - Resource Conservation

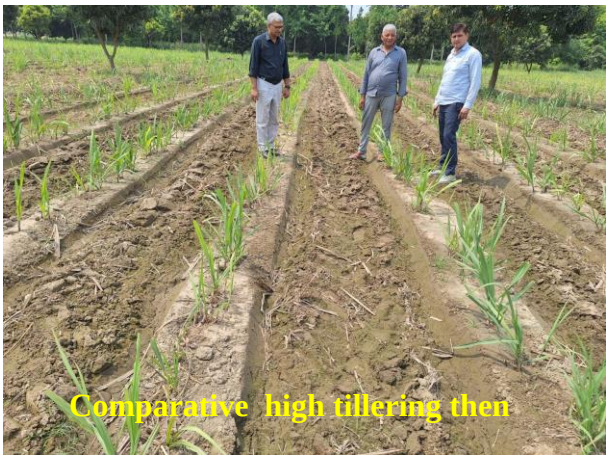
Problem diagnosed : Low yield and high infestation of diseases and pest of ratoon crop of Sugarcane due to traditional ratoon management practices

Technology Assessed: Application of ratoon maneger machine for sugarcane ratoon crop to have higher yield and low infestation diseases and pest

As Meerut is pre dominated by the sugarcane area, hence there is big issue of traditional ratoon management practice which is normally performed by a manual tool i.e. Balkati which lead to low yield and high infestation of diseases and pest. Krishi Vigyan Kendra, Hastinapur, Meerut is intervening in ratoon management techniques to replace the traditional techniques of sugarcane ratoon management done by Balkati by introducing ratoon manager in the ratoon field to assess the effect on yield and diseases infestation at farmer field.

Table: Performance of tractor operated ratoon manager

Technology Option	No. of trials	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross income (Rs)	Net (Rs)	BC (Rs)
T_1: Farmer practice – Use of Balkati tool for managing the ratoon sugarcane crop	06	800	25.58	81200	280000	198800	1:3.44
T_2: Application of Tractor drawn ratoon manager		1075		84800	376250	371450	1:4.44



Comparative high tillering then

Tractor Drawn Ratoon Manager

On Farm Trial –9

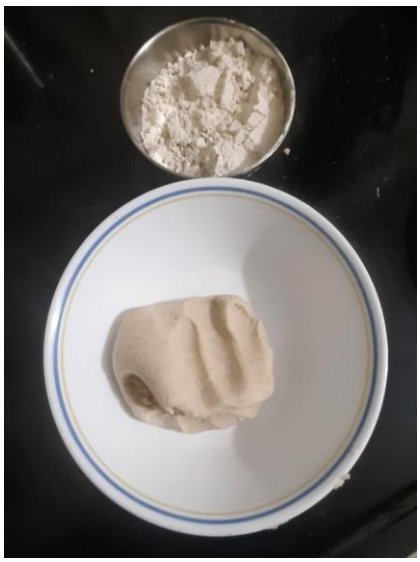
THEMATIC AREA Nutritional Security

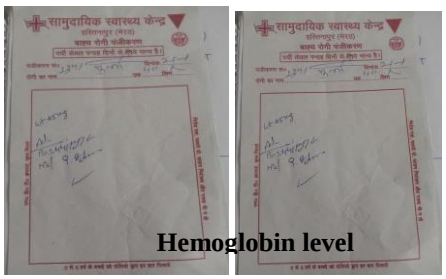
Problem definition: Nutrient inadequacy

Technology Assessed: Assessment of the effective supplementation of fortification of Wheat and other Flour

Assessment of the effective supplementation of fortified- wheat flour (75 %) + gram Flour (20%) + Barley (5 %) for 180 days for improvement of nutritional inadequacy of farm women. only Wheat flour use in different locations in practice. Fortified - wheat flour + gram Flour + Barley intake by the form of chapatti for 180 days was found better result in terms of Estimation of nutritional adequacy & improvement in general health by increased in hemoglobin. Through sensory Parameters extremely liked by farm women.

Technology Option	No. of trials	Performance indicators	Nutritional adequacy in percentage
T_1-Farmer practice– Wheat flour only	6	Estimation of Nutritional parameters	Nutritional adequacy increased – Iron-66% Protein-30% Carbohydrate30% Fiber 520 % Calcium- 195% Phosphorus- 192 %
		General Health	Recover anemia & increased Hemoglobin Level 12%
T_2- Fortified-wheat flour (75 %) + gram Flour (20%) + Barley (5 %) for 180 days		Sensory parameter	Extremely liked





Hemoglobin level

T1 Farmer Practice **T2 Mixed Grain**

OFT-10

Crop/Enterprise	Buffalo
Title	Evaluation of Clinical (Dewormer and hormonal) and non clinical (Mineral mixture) treatment for repeat breeding in Buffalo.
Problem diagnosed	Infertility
Farming situation	Crop production and animal husbandry.
Thematic area	Dairy Management
Farmer's Practice	Use of choker and common salt
Details of technologies selected for assessment/refinement	
Source of technology	IVRI, Bareilly
T_1	Farmer's practice (Use of choker and common salt)
T_2	Use of Feed Supplement @50 gm/day/animal for 3 month feeding + Dewormer and hormonal treatment
No. of families/animal	10
Critical Input	Mineral mixture, Dewormer and Hormones

Technology Option	**No. of trials**	Observations to be recorded	
Farmer's practice (Use of choker and common salt)	10	• Conception rate Cost: Benefit ratio	Result awaited
Use of Feed Supplement @50 gm/day/animal for 3 month feeding + Dewormer and hormonal treatment			

OFT - 11

Crop/Enterprise	Cattle
Title	Evaluation of Clinical (Dewormer and hormonal) and non clinical (Mineral mixture) treatment for repeat breeding in cattle.
Problem diagnosed	Infertility
Farming situation	Crop production and animal husbandry.
Thematic area	Dairy Management
Farmer's Practice	Use of choker and common salt
Details of technologies selected for assessment/refinement	
Source of technology	IVRI, Bareilly
T_1	Farmer's practice (Use of choker and common salt)
T_2	Use of Feed Supplement @50 gm/day/animal for 3 month feeding + Dewormer and hormonal treatment
No. of families/animal	10
Critical Input	Mineral mixture, Dewormer and Hormones

Technology Option	**No. of trials**	Observations to be recorded	
Farmer's practice (Use of choker and common salt)	10	• Conception rate Cost: Benefit ratio	Result awaited
Use of Feed Supplement @50 gm/day/animal for 3 month feeding + Dewormer and hormonal treatment			

II. FRONTLINE DEMONSTRATION

a. List of technologies demonstrated during previous year & popularized during 2022 and recommended for large scale adoption in the district

SN	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area (ha)
1	Urd	Varietal evaluation	Promotion of improved variety PU-31(NFSM)	Demonstration, Training and Advisory Services	11	25	10.0
2	Urd	Varietal evaluation	Promotion of improved variety Indira-1(NFSM)		12	25	10.0
3	Lentil	Varietal evaluation	Promotion of improved variety PL-8(NFSM)		8	25	10.0
4	Gram	Varietal evaluation	Introduction of high yielding GNG-2171 (NFSM)		11	25	10.0
5	Mustard	INM	Use of Improved variety and Sulphur @ 40 Kg/ha.		6	10	4.0
6	Mustard	INM	Use of Improved variety and Sulphur @ 40 Kg/ha.		1	10	4.0
7	Mustard	Varietal evaluation	Introduction of high yielding variety RH-749(NFSM)		3	10	30.0
8	Mustard	Varietal evaluation	Introduction of high yielding variety RH-749(NFSM)		1	75	10.0
9	Paddy	INM	Application of ferrous Sulphate in Paddy @25kg/ha		1	25	4.0
10	Wheat	Varietal evaluation	Introduction of high yielding timely sown variety HD-2967		1	10	1.20
11	Potato	Varietals Evaluation	Popularization of improved variety Kufri Mohan		3	03	8.80
12	Potato	Varietals Evaluation	Inter cropping of Potato variety Kufri Chipsona-1 with autumn planting of Sugarcane.		8	22	0.40

13	Paddy	IPM	Management of Srem borer of paddy through chlorantriliprole 0.4 %		2	05	2.0
14	Tomato	IPM	Management of fruit borer by spinosad 45 %		3	10	1.0
15	Parwal	IPM	Management of fruit fly in Parwal		4	05	4.0
16	Sugarcane	IDM	Management of Pokkabowing disease. Application of copper oxychloride.		2	10	2.0
17	Kitchen garden	House hold food security	Demonstration of well planned Kitchen Garden (100 m^2)		2	10	0.10
18	Vermin Composting	Women empowerment	Worms @ 10 kg/demon.		6	10	0
	Total					**315**	**111.5**

b. Details of FLDs implemented during January to December 2023

SN	Crop/ Enterprise	Thematic area	Technology Demonstrated	Season / year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
Oilseeds										
1	Mustard	ICM	Introduction of high yielding variety Giriraj	Rabi 2022-23	20.0	20.0	5	45	50	
2	Mustard	ICM	Promotion of Mustard variety Vallabh RH-725	Rabi 2023-24	20.0	20.0	18	32	50	
					40.0	**40.0**	**23**	**77**	**100**	
Pulses										
3	Lentil	ICM	Promotion of improved variety Shekhar -4	Rabi 2022-23	5.0	5.0	4	21	25	
4	Urd	ICM	Promotion of improved variety Vallabh Urd-1	Kharif 2023	10.0	10.0	1	24	25	
5	Lentil	ICM	Promotion of improved variety Shekhar-4	Rabi 2023-24	6.0	6.0	4	11	15	
					22	**22**	**9**	**46**	**55**	
Other crop										
6	Wheat	ICM	Introduction of new variety 0f wheat DBW-303	Rabi 2023	4.0	4.0	5	15	20	
7	Wheat	INM	Use of Ferrous Sulphate (21%)@25 Kg/hac. HD 2967	Rabi 2023	4.0	4.0	5	5	10	
8	Paddy	INM	Application of ferrous Sulphate in Paddy @25kg/ha	Kharif 2023	4.0	4.0	6	4	10	
9	Sugarcane	INM	Use of Ferrous Sulphate @ 40 Kg/ha.	Zaid 2023	4.0	4.0	3	7	10	
10	Potato	IDM	Management of late blight of Potato by Infinito (fluopicolide 55.6% hydrochloride 55.6 %)	Rabi 22-23	4.0	4.0	2	8	10	
11	Marigold	IDM	Management of blight in marigold by mancozeb 64.5 % + Cymoxanil 1 %	Rabi 2022-23	4.0	4.0	0	10	10	

12	Marigold	IPM	Managt of Red spidermite by propergite 57 EC	Rabi 2022-23	4.0	4.0	0	10	10	
13	Sugarcane	IPM	Management of early shoot borer by (thiomethoxam + Chlorantraniliprole)	Kharif 2023	4.0	4.0	2	8	10	
14	Paddy	IDM	Management of sheath Blight by Axosytrobin + Tebuconazole @ 500 m.l./ ha	Kharif 2023	4.0	4.0	0	10	10	
15	Parwal	IPM	Management of fruit fly in Parwal	Kharif 2023	4.0	4.0	0	10	10	
16	Cauli flower	IPM	Management of DBM by Novaluron 5.25 % + Emamectin Benjoiate 0.9 % SC @ 500 ml/ha	Rabi 2023	4.0	4.0	2	8	10	
17	Wheat	INM	Use of Nano urea & Nano DAP	Rabi 2023-24	4.0	4.0	3	7	10	
18	Kitchen garden	House hold food security	Demonstration of well planned Kitchen Garden (150 m^2)	Rabi 2022-23 Zaid 2023 Kharif-2023,	0.3	0.3	6	24	30	
19	Kitchen garden	House hold food security	Demonstration of well planned Kitchen Garden (150 m^2)	Rabi 2023-24	0.1	0.1	02	23	25	
20	Potato	Potato transplanter (2023)	Sowing of Potato by Potato transplanter /	Rabi 2023-24	4.0	4.0	0	20	20	
	Total				**52.4**	**52.4**	**36**	**169**	**205**	
	Grand Total				**114.4**	**114.4**	**68**	**292**	**360**	

SN	Enterprise	Breed	Thematic area	Technology for demonstration	Critical inputs	Season and year	No. of animals	No. of demon./ farmers	Parameters identified
21	Cow	Local	Dairy management	Deworming in animals	Dewormer	Kh 2023 -24	30	30	Cured percentage - General health
		Total					30	30	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Mustard	Rabi 2022-23	Irrigated	Sandy loam	241	36	231	Sorghum	15-30 Oct, 2022	09-18 March 2023	32.2	8
Wheat	Rabi 2022-23	Irrigated	Sandy loam	174	35	211	Sugarcane	15-11-23 to 10-12-23	-	74.1	14
Lentil	Rabi 2023-24	Irrigated	Sandy loam	187	24	217	Paddy, Jawar	04-11-23 to 26-12-23	-	21.2	6
Urd	Kharif 2023	Irrigated	Sandy loam	174	35	211	Sugarcane	26-07-23 to 28-08-23	04-10-23 to 30-11-23	74.1	14
Mustard	Rabi 2023-24	Irrigated	Sandy loam	241	36	231	Sorghum	15-30 Oct, 2023	-	32.2	8
Potato	Rabi 22-23	Irrigated	Sandy Loam	209	34	229	Jowar	22.09.2022	28.01.2023	27.2	11
Marigold	Rabi 2022-23	Irrigated	Sandy Loam	173	28	227	Onion	25.11.2022	28.05.2023	183.7	21
Marigold	Rabi 2022-23	Irrigated	Sandy Loam	173	28	227	Cauliflower	14.11.2022	15.05.2023	183.7	21
Sugarcane	Rabi 2023	Irrigated	Sandy Loam	340	30	122	Paddy	12.02.2023	30.12.2023	21.2	4
Parwal	Kharif 2023	Irrigated	Sandy Loam	239	25	120	Paddy	12.07.2023	15.12.2023	21.2	4
Paddy	Kharif 2023	Irrigated	Sandy Loam	178	32	227	Sorghum	02-07-23	15-11-23	401.7	29
Cauli flower	Rabi 2023	Irrigated	Sandy Loam	240	40	230	Spinch	15.09.2023	25.12.2023	32.2	8
Wheat	Rabi 2022-23	Irrigated	Sandy loam	208	29	218	Sorghum	22 Nov., 2022	-	21	6
Kitchen garden	Rabi 2022-23 Zaid 2023, Kharif-2023,	Irrigated	Sandy Loam	165	28	228	NA	27.02.2023	-	355.9	27
Kitchen garden	Rabi 2023-24	Irrigated	Sandy Loam	165	28	228	NA	10.09.2023	Continue	355.9	27
Potato	Rabi 2023-24	Irrigated	Sandy Loam	209	34	229	Jowar	22.10.2023	28.02.2024	27.2	11

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

S. No	Feed Back for researchers	Feedback for line department
1	Comparatively low infestation of YVM.	
2	Mustard is persuading as a good oil seed crop & farmers are keen to incorporation as a rabi crop in existing sugarcane based cropping system. Easy availability and cheaper technology favors its adoption among farmers.	
3	Sulpher is easily available in local market and cheaper technology to increase oil content resulting higher income.	
4	Due to medium and manageable size, softness, darkness in color and market price acceptance is better.	
5	The fungicide infinito has very good controlling late blight of Potato and enhance yield.	
6	Application of spraying of spinoshed 45% to control fruit borer. Resulting higher yield and safe for health.	
7	By use of seed drill enhancement of yield and control of lodging. Therefore farmers are liking the seed drill.	
8	Farmers enjoyed the sufficient, chemical free, cheaper , all nutrients and quality green fresh and vegetables for almost throughout the year.	
8	Promising technology to the farmer	Promising technology to the farmer

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	Variety PU-31 is susceptible to mosaic disease. Production of PU-31 variety is 18.67% higher over check var.
2	Varietal trial in line sowing. To increase the productivity of Gram.
3	An application of sulphur 40 kg/ha. Resulted 12.77 % more yield along with higher oil content in the mustard grains in the same variety RH-749
4	Early maturity & low starch value so it has a demand for chips industry.
5	An increase 14.01 % increase in yield of Sugarcane was recorded after application of spraying of blitox 50@ 3kg./ha to control pokkabowing
6	The fungicide infinito has very good controlling late blight of Potato and enhance yield.
7	Application of spraying of spinoshed 45% to control fruit borer. Resulting higher yield and safe for health.
8	Line sowing of wheat to increases the yield of wheat by seed drill.
9	Under the demonstration on household food security the respondents are getting fresh and potable green seasonal vegetables and get more nutrient like protein, vitamin throughout the year. In addition to this, a handsome amount is being saved by using the home produced vegetables
10	The life of the used rubber cup holder is not high.

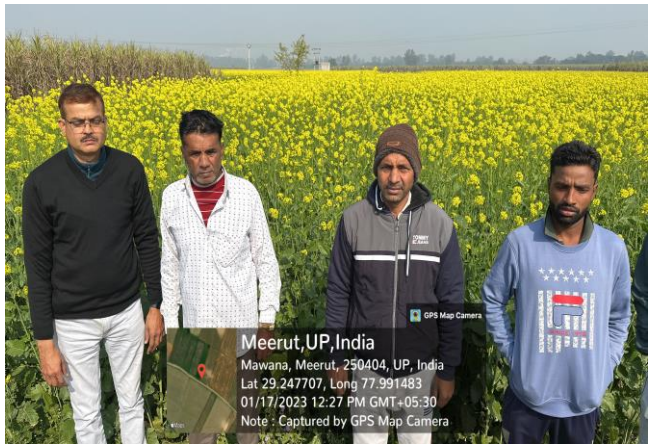
Performance of Frontline demonstrations

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					Demo												
							High	Low	Average	Check plot		High	Low	Average	Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Mustard																								
Mustard Rabi (2022-23)	Varietal evaluation	high yielding variety	Giriraj	50	20.0	Plant height-cm No. of branches/plant Maturity- days	197.8 5.85 154	167.5 4.64 138	187.4 5.21 145	178 .35 140	5.28 19.77 3.57	19.64	16.95	18.96	14.12	34.27	30305	95748	65443	3.16	28620	71306	42686	2.49
Mustard Rabi (2023-24)	Varietal evaluation	high yielding variety	RH-749	50	20.0	Result awaited																		

Sale price Mustard Rs. 5050/q

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



S. No	**Feed Back for researchers**	**Feedback for line department**
1	**Mustard**	
	If sowing done in Ist week of September then crop good and high yield obtain	
	Late sowing some plants are flowring and upper plant of capsule not filled	

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1 Mustard	Bold seeds, high oil content an high yielding variety , oil content 39-42.6 %
	Resistance to alternaria leaf spot diseases and aphid incidence.

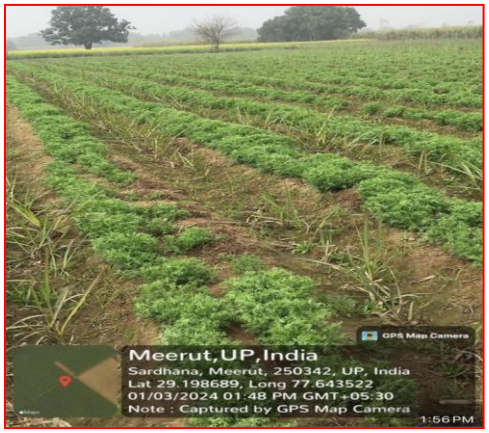
Extension and Training activities under FLD

Sl. No.	**Activity**	**No. of activities organized**	**Date**	**Number of participants**	**Remarks**
1	Field days	01	14.12.2023	51	
2	Farmers Training-	01	13.11.2023	60	
3	Media coverage	01	15.12.2023	Mass	
4	Training for extension functionaries	-		-	

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter				% Advantage	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot			Check plot		Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
							High	Low	Average			High	Low	Average										
Lentil Rabi 2022-23	Varietal evaluation	Promotion of improved variety	L-4717	25	5.0	No. of Pods/Plant	245	217	231	172	25.5%	11.4	8.9	10.65	9.92	7.35	24800	58575	33775	2.36	25100	54560	29460	2.17
Urd kharif 2023	Varietal evaluation	Promotion of improved variety	Vallabh Urd-1	25	10	No. of Pods/Plant	17	13	15	9.6	35.67	9.80	8.3	9.30	8.40	16.67	25500	68110	42610	2.67	23400	58380	34980	2.49
Lentil Rabi 2023-24	Varietal evaluation	Promotion of improved variety	Shekhar-4	15	6.0	Result awaited																		

Sale price Lentil Rs. 5500/q, Urd Rs. 6950/q and Lentil ---



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

S. No	**Feed Back for researchers**	**Feedback for line department**
1	Growth of crop was good & the production was found satisfactory as compared to farmers' practice.	-
2	Wilting disease appeared in some fields just after irrigation and highly damaged by blue bulls at the stage of pod formation. Production of PL 4717 variety is 25.5% higher over check one.	

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	Soil testing must be done before sowing the crop and proper agronomic practices must be followed for better production of the crops.
	Production of demonstrated variety is significantly higher than their local one.
2	New improved varieties (for this Zone) must be grown in place of old varieties (farmer practices), so that one can get better production.

Extension and Training activities under FLD

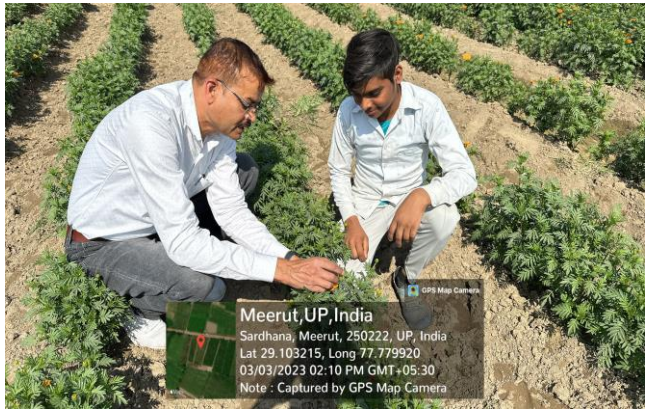
Sl. No.	**Activity**	**No. of activities organized**	**Date**	**Number of participants**	**Remarks**
1	Field days	3	04.01.2023 , 05.05.2023, 12.09.2023,	56	
2	Farmers Training-				
3	Media coverage				
4	Training for extension functionaries				

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												
							High	Low	Average			High	Low	Average	Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cereals																									
Wheat	ICM	Use of New variety	DBW-303	20	4.0	Result awaited																			
Paddy	IPM	Mangtt of Srem borer of paddy through chlorantriliprole 0.4 %	Pusa 1121	10	4.0	No of dead heart/Sq mtr.	2.53	2.13	2.22	5.33	140	42.00	29.50	35.50	28.00	21.12	42500	120700	78200	1:2.84	41000	95200	55200	1:2.32
Wheat	INM	Use of Ferrous Sulphate (21%)@25 Kg/hac.	HD 2967	10	4.0	No. of tillars / Sq. mtr.	405	390	378	355	6.4	53.0	50	51.35	42.23	21.59	44701	109118	64417	2.44	44701	89738	45037	2.00

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)
Vegetables																								
Parwal	IPM	Mngt of fruit fly by using pheromone traps@ / acre	Swarn Rekha	10	4.0	Fruit infestation %	8.57	4.28	5.34	11.58	116.85	112	102	106	88	20.45	41200	212000	170000	5.14	39500	176000	136500	4.45
Cauli flower	IPM	Management of diamond back moth	KFL 1522	10	4.0	No. of DBM larvae/ plant	1.33	0.73	0.82	6.83	732.9	280	210	240	190	26.32	71500	360000	288500	5.03	68400	285000	216600	4.16

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)
Flower crops																								
Marigold	IDM	Mgt. of blight by mancozeb 64.5 % + Cymoxanil 1%	Pusa Narangi	10	4.0	Disease Severity%	5.51	3.6	4.5	8.78	95	96	90	94.46	78.16	20.85	85588	207812	122224	2.43	82344	171952	89608	2.08
Marigold	IPM	Mgt. of Red spider mite by propergite 57 EC	Pusa Narangi	10	4.0	Red spider mite incident%	3.60	2.10	3.10	6.85	120	94	88	92.70	75.50	22.78	86450	203940	117490	2.36	83650	166100	82450	1.98



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

S. No	**Feed Back for researchers**	**Feedback for line department**
1 **Parwal**	Farmer for happy for cue lure traps installation their field	
2 Paddy	Management of Srem borer of paddy through chlorantriliprole 0.4 %, the stem borer disease were effectively control.	
	Very effective control under incidence of stem borer up to 70 days.	
Wheat	Due to the Use of Ferrous Sulphate the yield was increased upto 7 % and the blight disease not occurred	
Cauliflower	The production quality as well as yield was good due to the Management of diamond back moth by IPM Technique.	
Marigold	Due to the Management of Red spider mite by propergite 57 EC in marigold the yield was recorded 2.5 times then tradional.	
Paddy	Increase of 5 % was observed due to the application of zink sulphet @ 25 kg/ ha in Pusa 1121	

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1 **Parwal**	In Parwal grown (Khadar area of Hastinapur) farmer spray many systemic in section to control the fruit fly insect
2 Paddy	Cue-lure traps @ 5/acre sufficient for controlling fruit fly insect.
	Effective for borer control in Rice
Wheat	It is selective and safe for non target arthropods and conserve natural parasitoids, predators and pollinators
Cauliflower	Application of spinosed is significantly effective but little expensive then others.

Extension and Training activities under FLD

Sl. No.	**Activity**	**No. of activities organized**	**Date**	**Number of participants**	**Remarks**
1	Field days	-	-	-	
2	Farmers Training-	07	06.01.2023,22.02.2023, 13.06.2023,14.06.2023,	140	
3	Media coverage	01	14.06.2023	mass	
4	Training for extension functionaries	01	31.01.2023	20	

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)
Commercial Crops																								
Sugarcane	INM	Application of ferrous Sulphat in Sugarcane @ 40kg/ha		10	4.0							Result awaited												
Sugarcane	IPM	**Mangt of early shoot borer by (thiomethoxam + Chlorantranilip role)**	Co-238	10	4.0	Insect incidence	18	12	14	10.2	-	960	836	890	790	12.65	99500	311500	212000	3.13	96200	276500	180300	2.87
Potato Rabi 2022-23) Kufri Bahar	IDM	Management of late blight of Potato by Infinito (fluopicolide 55.6% hydrochloride 55.6 %)		10	4.0	Disease Severity%	5.8	3.90	4.20	1.10	188	340	302	316.0	242	30.57	96272	252800	156528	1:2.62	90315	193600	103285	1:2.14

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

S. No	**Feed Back for researchers**	**Feedback for line department**
1 Sugarcane IDM	Disease appear many times when temp and humidity up and down	Very effective control in sugarcane
	When sugarcane height more than 5 ft spraying problem appear	Very cheaper fungicides
2. Potato	Application of infinito is more effective in later condition of late blight while other chemical are not so effective in the stage.	

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1 Sugarcane IDM	Sugarcane/ Co-238 have seen higher diseases incidence.
	It good and effective fungicide to control the Pokka- bowing diseases.
2. Potato	Only one spray is sufficient to control late blight.

Extension and Training activities under FLD

Sl. No.	**Activity**	**No. of activities organized**	**Date**	**Number of participants**	**Remarks**
1	Field days	-	-	-	
2	Farmers Training-	06	03.02.2022, 20.04.2022, 21.04.2022,04.05.2022,02.12.2022, 02.03.2023	120	
3	Media coverage	01	20.04.2023	mass	
4	Training for extension functionaries	01	18.02.2022	15	

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
Potato transplanter (2023)	Potato	Sowing of Potato by Potato transplanter /	20	8.0	• Cost of operation • Field capacity • Field efficiency • % saving in labor, • % saving in time ,	4000/ha 0.04 ha/hrs 69 % 60 % 65 %	2000/ha NA NA NA NA	2000/ha 0.04 ha/hrs 69 % 60 % 65 %		2000/ha 0.04 ha/hrs 69 % 60 % 65 %		2000/ha 0.04 ha/hrs 69 % 60 % 65 %	NA	NA	NA	NA

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

S. No	**Feed Back for researchers**	**Feedback for line department**
1	Promising technology to the farmer	Small and medium farmer found that it is a very good machine
2	Can be afforded the cast of machine mutually by two or three farmers	It require true potato seed (TPS)
3	Automatic transplanter may be an alternative this machine but it is costlier then previous one require high tractive power and suitable only for the farmers having more than 5 ha land	Farmer reaction were found positive in respect of time saving, sowing cost and labor input cost.
		The extension personnel of the line department also appreciate the machine and continuing the subsidy on the procurement of potato planter by the U.P. Goverment

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	The life of the used rubber cup holder is not high.

Extension and Training activities under FLD

Sl. No.	**Activity**	**No. of activities organized**	**Date**	**Number of participants**	**Remarks**
1	Field days	1	08.02.2023	11	
2	Farmers Training-	2	10.10.2023, 14.10.2023	56	Emphasis on automatic potato planter for better coversage
3	Media coverage	-	-	-	-
4	Training for extension functionaries	-	-	-	-

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)
Kitchen gardening	House hold food security	Kitchen gardening (2022-23)	30	30	410	75	446	Daily availability of veg.gm/day/person		2150	12300	10150	5.7	500	1875	1375	3.7
								224	41								
								Nutritional adequacy	Nutritional Inadiquacy								
Kitchen gardening	House hold food security	Kitchen gardening (Rabi 2023	25	25	Result awaited												

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

S. No	Feed Back for researchers	Feedback for line department
1	Get sufficient amount of vegetable through out the year , chemical free, cheaper and fresh vegetables.	Line Department should Provide the mini kit of the vegetable seeds in their stores at block level.

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	Under the demonstration on nutritional Garden the respondents are getting fresh and potable green seasonal vegetables and get more nutrient like protein, Iron, vitamin throughout the year. In addition to this, a handsome amount is being saved by using the home produced vegetables. So nutritional garden throughout the year helps to prevent malnutrition & secure household food security of the family.

Extension and Training activities under FLD

Sl. No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Farmers Training-Nutrional Gardening	06	27.01.2023 03.02.2023 07.06.2023 18.08.2023 21-24.08.2023 30.10.2023	120	
2	Media coverage	04		Mass	
3	Training for extension functionaries	02	18.04.2023, 09.10.2023	45	

Dairy Management

Sl. No.	Enterprise	Thematic area	Technology for demonstration	Critical inputs	Season and year	No. of animals	No. of demon./ farmers	Result
19	Buffalo Local	Dairy management	Deworming in animals	Dewormer	Kharif 2023 -24	30	30	Result awaited
20	Buffalo calves Local	Dairy management	Deworming in animals	Dewormer	Kharif 2023 -24	30	30	Result awaited

III. Achievement of Special programmes

Natural Farming

1) Crop Harvesting Details

Name of KVK	Crop Details Under Demonstration										Date of Sowing	Date of Harvesting
	Natural farming					Farmer's Practice						
	Name of Crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)	Name of crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)		
Meerut	Wheat	DBW-187	0.16	18.43	21350	Wheat	DBW-187	0.16	26.87	40350	09.11.2022	18.04.2022

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.)
Meerut	KVK Plot	191	11.5	140	0.29	8.4	15.4	12.3		9.6×10^6 CFU/gm soil	100	1.8×10^4 CFU/gm soil		

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	Meerut	Panchi	Sri Sanjay Tyagi	8193055559	0.40
2		Pali	Sri Shiv Kumar	8755445808	0.40
3		Gadina	Sri Govind	9456832844	0.40
4		Khaspur	Sri Premchand Sharma	7668728583	0.40
5		Bana	Sri Arun Sharma	8755038688	0.40
6		Rahmapur	Sri Kanshi Ram	9759287312	0.40
7		Kasthala	Sri Nirmesh Kumar	9458074675	0.40

4) Information of Farmers already Practicing Natural Farming- NIL

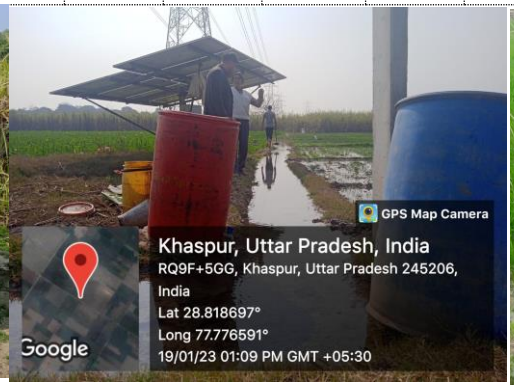
Sl. No.	Name of the District	Name of the Farmers	No. of desi (indigenous) cows	Land holding (ha)	Crops Grown	No. of Years in Natural Farming	Area Covered under Natural Farming	Crops Grown under Natural Farming	Any significant achievements under natural farming
1									

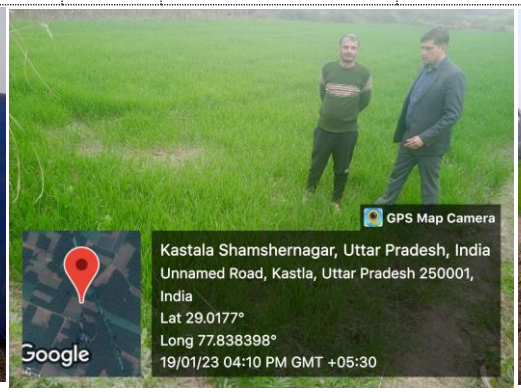
5) Natural Farming Nodal officer & Associate Name

S.No.	Name of KVK	Name of Head/SMS	Discipline/Subject	Mobile No.
1.	Hastinapur, Meerut	Dr. Rakesh Tiwari (SMS)	Soil Science	9719068791
2.	Hastinapur, Meerut	Dr. Ashish Tyagi	Plant Protection	9837474493

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- Not applicable

V. DAMU Project -Not applicable

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											
Integrated crop management	Natural farming	2	06	-	06	14	-	14	20	-	20
Integrated crop management	Vermin Composting	2	10	-	10	10	-	10	20	-	20
Total		**4**	**16**	**0**	**16**	**24**	**0**	**24**	**40**	**0**	**40**
II Horticulture											
III Soil Health and Fertility Management											
Integrated Nutrient Management	Integrated Nutrient Management	1	16	0	16	04	0	04	20	0	20
Production and use of organic inputs	Production and use of organic inputs	1	19	0	19	01	0	01	20	0	20
	Organic Farming	1	18	0	18	02	0	02	20	0	20
Balance use of fertilizers	Micro nutrient deficiency in crops	1	17	0	17	03	0	03	20	0	20
Total		**4**	**70**	**0**	**70**	**10**	**0**	**10**	**80**	**0**	**80**
IV Livestock Production and Management											
Disease Management	**Mastitis its cause & Prevention**	1	17	-	17	3	-	3	20	-	20
Feed management	**Nutritional management**	1	17	-	17	3	-	3	20	-	20
Total		**2**	**34**	**0**	**34**	**6**	**0**	**6**	**40**	**0**	**40**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Household food security by nutrition gardening through biofortified variety	1	-	03	03	-	17	17	-	20	20
Minimization of nutrient loss in processing	Minimization of nutrient loss in processing	1	-	04	04	-	16	16	-	20	20
Processing and cooking	Food adulteration & its testing at house hold level	1	-	06	06	-	14	14	-	20	20
Gender mainstreaming through SHGs	Creation of self help group and its benefit	1	-	05	05	-	15	15	-	20	20
Storage loss minimization techniques	Selection, grading and selling of food items	1	-	10	10	-	10	10	-	20	20
Location specific drudgery reduction technologies	Introduction of gender friendly small tools and implements for enhancement of work efficiency for farm women	1	-	10	10	-	10	10	-	20	20
Total		**6**	**0**	**38**	**38**	**0**	**82**	**82**	**0**	**120**	**120**
VI Agril. Engineering											
Farm Machinary and its maintenance	Application of automatic sugarcane planter	1	17	-	17	3	-	03	20	-	20
	Use of windrower reaper for harvesting wheat crop	1	17	-	17	3	-	03	20	-	20
Installation and maintenance of micro irrigation systems	Drip Irrigation	1	12	-	12	08	-	08	20	-	20
Use of Plastics in	Protected cultivation	1	12	-	12	08	-	08	20	-	20

farming practices											
Repair and maintenance of farm machinery and implements	Use of seeddrill for wheat crop	2	35	-	35	5	-	05	40	-	40
Total		**06**	**93**		**93**	**27**	**-**	**27**	**120**	**-**	**120**
VII Plant Protection											
Integrated Pest Management	White fly management in summer pulses	01	17	-	17	03	-	03	20	-	20
	Insect Pest & Disease management in Sugarcane	01	17	-	17	03	-	03	20	-	20
Integrated Disease Management	Nursery diseases mgt in Paddy	01	15	-	15	05	-	05	20	-	20
	Late blight mgt in Potato	01	15	-	15	05	-	05	20	-	20
	Insect Pest & Disease management in Winter vegetables	01	13	-	13	07	-	07	20	0	20
Total		**5**	**77**	**0**	**77**	**23**	**0**	**23**	**100**	**0**	**100**
GRAND TOTAL		**27**	**290**	**38**	**328**	**90**	**82**	**172**	**380**	**120**	**500**

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											
Production Technology of Mustard	Production Technology of Mustard	01	17	-	17	03	-	03	20	-	20
Intercropping with autumn planting cane	Intercropping with autumn planting cane	01	15	-	15	05	-	05	20	-	20
Introduction of late sown wheat varieties and production technology	Introduction of late sown wheat varieties and production technology	01	15	-	15	05	-	05	20	-	20
Scientific cultivation of Sugarcane	Scientific cultivation of Sugarcane	01	17	-	17	03	-	03	20	-	20
Crop residues management	Crop residues management	01	15	-	15	05	-	05	20	-	20
Natural farming	Natural farming	01	15	-	15	05	-	05	20	-	20
Total		**6**	**94**		**94**	**26**		**26**	**120**		**120**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops	Production of low value and high volume crops	2	34	0	34	6	0	6	40	0	40
Nursery raising	Nursery management	2	35	0	35	5	0	5	40	0	40
Total (a)	Methods of sowing techniques	2	32	0	32	8	0	8	40	0	40
b) Fruits											
Layout and Management of Orchards	Layout and Management of Orchards	2	34	0	34	6	0	6	40	0	40
Rejuvenation of old orchards	Rejuvenation of old orchards	2	34	0	34	6	0	6	40	0	40
c) Ornamental Plants											
Total (g)		**10**	**169**	**0**	**169**	**31**	**0**	**31**	**200**	**0**	**200**
III Soil Health and Fertility Management											

Soil fertility management	Soil fertility management	3	60	0	60	0	0	0	60	0	60
Integrated Nutrient Management	Integrated Nutrient Management	2	33	0	33	07	0	07	40	0	40
Production and use of organic inputs	Organic farming	2	36	0	36	04	0	04	40	0	40
Micro nutrient deficiency in crops	Micro nutrient deficiency in crops	3	50	0	50	10	0	10	60	0	60
Others (pl specify)	Natural farming	2	35	0	35	5	0	5	40	0	40
Total		**12**	**214**	**0**	**214**	**26**	**0**	**26**	**240**	**0**	**240**
IV Livestock Production and Management											
Disease Management	Mastitis its cause & Prevention	4	65	-	65	15	-	15	80	-	80
Feed management	Green Fodder production through out the year	4	65	-	65	15	-	15	80	-	80
Dairy Management	Nutritional management	2	34	-	34	6	-	6	40	-	40
Total		**10**	**164**	**.-**	**164**	**36**	**-**	**36**	**200**	-	200
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	.Household food security by nutrition gardening through organic farming	1	-	20	20	-	0	0	-	20	20
Designing and development for high nutrient efficiency diet	Importance of poshan thali	1	-	20	20	-	-	-	-	20	20
Minimization of nutrient loss in processing	.Minimization of nutrient loss in processing	1	-	3	3	-	17	17	-	20	20
	Food adulteration & its testing at house hold level	1		2	2	-	18	18	-	20	20
Gender mainstreaming through SHGs	Creation of self help group and its benefit of farm women for income generation.	1	-	12	12	-	8	8	-	20	20
Storage loss minimization techniques	Selection, grading and selling of food items.	1	-	10	10	-	10	10	-	20	20
	amala & their value addition	1	-	10	10	-	10	10	-	20	20
Women empowerment	Role of women in agriculture	1	-	12	12	-	08	08	-	20	20
Location specific drudgery reduction technologies	Different work simplification techniques at household level	1	-	07	07	-	13	13	-	20	20

	Reduction of time & drudgery by the use of improved Agricultural implements	1	-	13	13	-	07	07	-	20	20
Others (pl specify)	Imp. of millets in diet& their nutritive value	1	-	9	9	-	11	11	-	20	20
Total		**11**	**0**	**118**	**118**	**0**	**102**	**102**	**0**	**220**	**220**
VI Agril. Engineering											
Farm Machinary and its maintenance	Operation of laser leveler, Mulcher, M.B.plough, Sugarcane Planter, happey seeder	5	75	-	75	25	-	25	100	-	100
Installation and maintenance of micro irrigation systems	Drip irrigation system in sugarcane	1	17	-	17	3	-	3	20		20
Use of Plastics in farming practices	Protected cultivation	2	25	-	25	15	-	15	40	-	40
Repair and maintenance of farm machinery and implements	Maintenance of Harrow and tiller & Thresher	2	25	-	25	15	-	15	40	-	40
	Maintenance of tractor & Seed drill	2	25	-	25	15	-	15	40	-	40
	Operation and maintenance of paddy trans planter	1	17	-	17	3	-	3	20		20
Small scale processing and value addition	Operation and mainte. of multi crop planter	1	17	-	17	3	-	3	20		20
Total		**14**	**201**	**0**	**201**	**79**	**0**	**79**	**280**	**0**	**280**
VII Plant Protection											
Integrated Pest Management	Management of insect pest in mustard	01	20	-	20	-	-	-	20	-	20
	Mgt of stem borer in s/cane	01	17	-	17	03	-	03	20	-	20
	Appl. of trichocard in Paddy	01	20	-	20	-	-	-	20	-	20
	Management of DBM in cole crop	01	20	-	20	-	-	-	20	-	20
	Mangt of shoot & fruit borer in Brinjal.	01	20		20	-	-	-	20	-	20
	Mangt of mealy bug in Mango.	01	20	-	20	-	-	-	20	-	20
	Seed Treatment in rabi crop	01	17	-	17	03	-	03	20	-	20
Integrated Disease Management	Pokka Bowing disease mgt in sugarcane	01	17	-	17	03	-	03	20	-	20
	Nursery diseases mgt in Paddy	01	15	-	15	05	-	05	20	-	20
	Late blight mgt in Potato	01	15	-	15	05	-	05	20	-	20
	Alternaria leaf	01	18	-	18	02	0	02	20	-	20

	spot diseases manag. in oilseeds crops										
Bio-control of pests and diseases	Managof stem borer in Rice through bio agent	01	17	-	17	03	-	03	20	-	20
	App. of bio agents in vegetables	01	20	-	20	-	-	0	20	-	20
Total		**13**	**236**	**0**	**236**	**24**	**0**	**24**	**260**	**0**	**260**
GRAND TOTAL		**76**	**1078**	**118**	**1196**	**222**	**102**	**324**	**1300**	**220**	**1520**

ON & OFF Campus Training Programmes for Practicing Farmer & farm Women

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											
Production Technology of Mustard	Production Technology of Mustard	01	17	-	17	03	-	03	20	-	20
Intercropping with autumn planting cane	Intercropping with autumn planting cane	01	15	-	15	05	-	05	20	-	20
Introduction of late sown wheat varieties and production technology	Introduction of late sown wheat varieties and production technology	01	15	-	15	05	-	05	20	-	20
Scientific cultivation of Sugarcane	Scientific cultivation of Sugarcane	01	17	-	17	03	-	03	20	-	20
Crop residues management	Crop residues management	01	15	-	15	05	-	05	20	-	20
Natural farming	Natural farming	03	21	-	21	19	-	19	40	-	40
Integrated crop management	Vermin Composting	2	10	-	10	10	-	10	20	-	20
Total		**10**	**110**	**0**	**110**	**50**	**0**	**50**	**160**	**0**	**160**
II Horticulture											
Production of low value and high valume crops	Production of low value and high volume crops	2	34	0	34	6	0	6	40	0	40
Nursery raising	Nursery management	2	35	0	35	5	0	5	40	0	40
Total (a)	Methods of sowing techniques	2	32	0	32	8	0	8	40	0	40
b) Fruits											
Layout and Management of Orchards	Layout and Management of Orchards	2	34	0	34	6	0	6	40	0	40
Rejuvenation of old orchards	Rejuvenation of old orchards	2	34	0	34	6	0	6	40	0	40
c) Ornamental Plants											
Total (g)		**10**	**169**	**0**	**169**	**31**	**0**	**31**	**200**	**0**	**200**
III Soil Health and Fertility Management											
Soil fertility management	Soil fertility management	3	60	0	60	0	0	0	60	0	60
Integrated Nutrient Management	Integrated Nutrient Management	1	16	0	16	04	0	04	20	0	20
	Integrated Nutrient Management	2	33	0	33	07	0	07	40	0	40
Production and use of organic inputs	Production and use of organic inputs	1	19	0	19	01	0	01	20	0	20
	Organic Farming	1	18	0	18	02	0	02	20	0	20
	Organic farming	2	36	0	36	04	0	04	40	0	40
Others (pl specify)	Natural farming	2	35	0	35	5	0	5	40	0	40
Micro nutrient deficiency in crops	Micro nutrient deficiency in crops	3	50	0	50	10	0	10	60	0	60
Balance use of fertilizers	Micro nutrient deficiency in	1	17	0	17	03	0	03	20	0	20

	crops										
Soil and Water Testing											
Total		**16**	**284**	**0**	**284**	**36**	**0**	**36**	**320**	**0**	**320**
IV Livestock Production and Management											
Disease Management		4	65	-	65	15	-	15	80	-	80
Feed management		**4**	65	-	65	15	-	15	80	-	80
Dairy Management		**4**	68	-	68	12	-	12	80	-	80
Total		**12**	**198**	**0**	**198**	**42**	**0**	**42**	**240**	**0**	**240**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening Designing and development for high nutrient efficiency diet Minimization of nutrient loss in processing Gender mainstreaming through SHGs	.Household food security by nutrition gardening through organic farming	2	-	23	23	-	17	17	-	40	40
	Importance of poshan thali	1	-	20	20	-	-	-	-	20	20
	.Minimization of nutrient loss in processing	2	-	7	7	-	33	33	-	40	40
	Food adulteration & its testing at house hold level	2		8	8	-	32	32	-	40	40
	Creation of self help group and its benefit of farm women for income generation.	2	-	17	17	-	23	23	-	40	40
Storage loss minimization techniques	Selection, grading and selling of food items.	2	-	20	20	-	20	20	-	40	40
	amala & their value addition	1	-	10	10	-	10	10	-	20	20
Women empowerment Location specific drudgery reduction technologies	Role of women in agriculture	1	-	12	12	-	08	08	-	20	20
	Different work simplification techniques at household level	1	-	07	07	-	13	13	-	20	20
	Reduction of time & drudgery by the use of improved Agricultural implements	2	-	23	23	-	17	17	-	40	40
Others (pl specify)	Importance of millets in diet& their nutritive value	1	-	9	9	-	11	11	-	20	20
Total		**17**	**0**	**156**	**156**	**0**	**184**	**184**	**0**	**340**	**340**
VI Agril. Engineering											
Farm Machinary and its maintenance Installation and maintenance of micro irrigation systems Use of Plastics in farming	Application of automatic sugarcane planter	1	17	-	17	3	-	03	20	-	20
	Use of windrower	1	17	-	17	3	-	03	20	-	20

practices	reaper for harvesting wheat crop										
	Operation of laser leveler, Mulcher, M.B.plough, Sugarcane Planter, happey seeder	5	75	-	75	25	-	25	100	-	100
	Drip irrigation system in sugarcane	1	17	-	17	3	-	3	20		20
	Protected cultivation	2	25	-	25	15	-	15	40	-	40
Installation and maintenance of micro irrigation systems	Drip Irrigation	1	12	-	12	08	-	08	20	-	20
Use of Plastics in farming practices	Protected cultivation	1	12	-	12	08	-	08	20	-	20
Repair and maintenance of farm machinery and implements	Maintenance of Harrow and tiller & Thresher	2	25	-	25	15	-	15	40	-	40
	Maintenance of tractor & Seed drill	2	25	-	25	15	-	15	40	-	40
	Use of seeddrill for wheat crop	2	35	-	35	5	-	05	40	-	40
	Operation and maintenance of paddy trans planter	1	17	-	17	3	-	3	20		20
Small scale processing and value addition	Operation and maintenance of multi crop planter	1	17	-	17	3	-	3	20		20
Total		**20**	**294**	**0**	**294**	**106**	**0**	**106**	**400**	**0**	**400**
VII Plant Protection											
Integrated Pest Management	White fly management in summer pulses	01	17	-	17	03	-	03	20	-	20
	Insect Pest & Disease management in Sugarcane	01	17	-	17	03	-	03	20	-	20
	Management of insect pest in mustard	01	20	-	20	-	-	-	20	-	20
	Mgt of stem borer in s/cane	01	17	-	17	03	-	03	20	-	20
	Appl. of trichocard in Paddy	01	20	-	20	-	-	-	20	-	20
	Management of DBM in cole crop	01	20	-	20	-	-	-	20	-	20
	Management of shoot & fruit borer in Brinjal.	01	20	-	20	-	-	-	20	-	20
	Management of mealy bug in Mango.	01	20	-	20	-	-	-	20	-	20
	Seed Treatment in rabi crop	01	17	-	17	03	-	03	20	-	20
Integrated Disease	Nursery	01	15	-	15	05	-	05	20	-	20

Management	diseases mgt in Paddy										
	Late blight mgt in Potato	01	15	-	15	05	-	05	20	-	20
	Insect Pest & Disease management in Winter vegetables	01	13	-	13	07	-	07	20	0	20
	Pokka Bowing disease mgt in sugarcane	01	17	-	17	03	-	03	20	-	20
	Nursery diseases mgt in Paddy	01	15	-	15	05	-	05	20	-	20
	Late blight mgt in Potato	01	15	-	15	05	-	05	20	-	20
	Alternaria leaf spot diseases management in oilseeds crops	01	18	-	18	02	0	02	20	-	20
Bio-control of pests and diseases	Management of stem borer in Rice through bio agent	01	17	-	17	03	-	03	20	-	20
	Application of bio agents in vegetables	01	20	-	20	0	-	0	20	-	20
Total		**18**	**313**	**0**	**313**	**47**	**0**	**47**	**360**	**0**	**360**
GRAND TOTAL		**103**	**1368**	**156**	**1524**	**312**	**184**	**496**	**1680**	**340**	**2020**

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
Production of organic inputs	Soil testing and organic farming	2	20	-	20	0	-	0	20	-	20
Seed Production	Scientific steps seed production of wheat	1	9		9	1		1	10		10
	Integrated Nutrient Management	2	12	-	12	08	0	08	20	0	20
Mushroom production	Mushroom production	1	03	-	03	07	0	07	10	0	10
Repair and maintenance of farm machinery and implements	Maintenance of diesel engine	1	7	-	07	03	-	03	10	-	10
	Maintenance of diesel engine	1	7	-	07	03	-	03	10	-	10
Value addition	Different products from milltes	1	0	05	05	-	05	05	0	10	10
Small scale processing	Processing of different spices	1	0	01	01	-	09	09	0	10	10
TOTAL		**10**	**58**	**6**	**64**	**22**	**14**	**36**	**80**	**20**	**100**

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

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
Production of organic inputs	Soil testing and organic farming	2	20	-	20	0	-	0	20	-	20
Seed Production	Scientific steps seed production of wheat	1	9		9	1		1	10		10
	Integrated Nutrient Management	2	12	-	12	08	0	08	20	0	20
Mushroom production	Mushroom production	1	03	-	03	07	0	07	10	0	10
Repair and maintenance of farm machinery and implements	Maintenance of diesel engine	1	7	-	07	03	-	03	10	-	10
	Maintenance of diesel engine	1	7	-	07	03	-	03	10	-	10
Value addition	Different products from milltes	1	0	05	05	-	05	05	0	10	10
Small scale processing	Processing of different spices	1	0	01	01	-	09	09	0	10	10
TOTAL		**10**	**58**	**6**	**64**	**22**	**14**	**36**	**80**	**20**	**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 crop		4	65	-	65	15	-	15	80	-	**80**
Integrated Pest Management	Use and importance of Bio-pesticides in pest management	01	11	-	11	04	-	04	15	-	15
	Application of bio-rational pesticides	01	12	-	12	08	-	08	20	-	20
	Safe handling and use of pesticides	01	16	-	16	04	-	04	20	-	20
	Trichocard in insect- pest management	01	15	-	15	05	-	05	20	-	20
	Use of Microbial pesticides in agricultural	01	18	-	18	02	-	02	20	-	20
Natural farming	Natural farming	03	45	-	45	0	-	0	0	-	45
Care and maintenance of farm machinery and implements	Improved machinery for sugarcane crop	1	12	-	12	3	-	3	15	-	15
Women and Child care	Importance of immunization in children	1	0	12	12	0	3	3	0	15	15
Low cost and nutrient efficient diet designing	Importance of Poshan Thali	1	0	21	21	0	9	9	0	30	30
Management in farm animals	Feed Management	3	45	-	45	15	-	15	60	0	60
Livestock feed and fodder production	Disease management	1	15	-	15	5	-	5	20	0	20
Household food security	Importance of nutrional garden	1	0	20	20	0	10	10	0	30	30
	Minimization of nutrient loss	1	0	8	8	0	7	7	0	15	15
Any other (pl.specify)	Harvesting machineryes for the wheat crop	1	12	-	12	3	-	3	15	-	15
	Water saving in sugarcane crop	1	12	-	12	3	-	3	15	-	15
	Latest machinery for planting and seeding in for rabu crop	1	12	-	12	3	-	3	15	-	15
TOTAL		**24**	**290**	**61**	**351**	**70**	**29**	**99**	**360**	**90**	**450**

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 crop		4	65	-	65	15	-	15	80	-	**80**
Integrated Pest Management	Use and importance of Bio-pesticides in pest management	01	11	-	11	04	-	04	15	-	15
	Application of bio-rational pesticides	01	12	-	12	08	-	08	20	-	20
	Safe handling and use of pesticides	01	16	-	16	04	-	04	20	-	20
	Trichocard in insect- pest management	01	15	-	15	05	-	05	20	-	20
	Use of Microbial pesticides in agricultural	01	18	-	18	02	-	02	20	-	20
Natural farming	Natural farming	03	45	-	45	0	-	0	0	-	45
Care and maintenance of farm machinery and implements	Improved machinery for sugarcane crop	1	12	-	12	3	-	3	15	-	15
Women and Child care	Importance of immunization in children	1	0	12	12	0	3	3	0	15	15
Low cost and nutrient efficient diet designing	Importance of Poshan Thali	1	0	21	21	0	9	9	0	30	30
Management in farm animals		3	45	-	45	15	-	15	60	0	60
Livestock feed and fodder production		1	15	-	15	5	-	5	20	0	20
Household food security	Importance of nutrional garden	1	0	20	20	0	10	10	0	30	30
	Minimization of nutrient loss	1	0	8	8	0	7	7	0	15	15
Any other (pl.specify)	Harvesting machineryes for the wheat crop	1	12	-	12	3	-	3	15	-	15
	Water saving in sugarcane crop	1	12	-	12	3	-	3	15	-	15
	Latest machinery for planting and seeding in for rabu crop	1	12	-	12	3	-	3	15	-	15
TOTAL		**24**	**290**	**61**	**351**	**70**	**29**	**99**	**315**	**90**	**450**

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	Farmers Technical Training	07	170	50	220	42	18	60	212	68	280
GRAND TOTAL		**07**	**170**	**50**	**220**	**42**	**18**	**60**	**212**	**68**	**280**

Name of sponsoring agencies involved- U.P. Government

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

VII. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	612	1220	50	**1270**
Diagnostic visits	30	69	22	**91**
Field Day	19	285	10	**295**
Group discussions	05	65	12	**77**
Kisan Ghosthi	13	1450	55	**1505**
Film Show	10	220	20	**240**
Self -help groups	07	250	06	**256**
Kisan Mela	02	3150	60	**3210**
Exhibition	04	718	25	**743**
Scientists' visit to farmers field	92	380	05	**385**
Celebration of important days	3	560	18	578
Special day celebration	12	1450	11	1461
Exposure visits	9	180	08	188
Others (pl. specify)	170	750	35	785
Total	**988**	**10747**	**337**	**11084**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	0
Extension Literature	12
News paper coverage	75
Popular articles	15
Radio Talks	0
TV Talks	0
Animal health amps (Number of animals treated)	0
Others (pl. specify)	28
Total	**130**

किसानों को उन्नत खेती की जानकारी दी

अझौता गांव में किसान गोष्ठी में बोलते हुए वैज्ञानिक नवीन चंद्र। संवाद

दौराला। कृषि विज्ञान केंद्र हस्तिनापुर के तत्वावधान में अझौता गांव में किसान गोष्ठी का आयोजन किया गया। गोष्ठी में पादप सुरक्षा वैज्ञानिक डॉ. नवीन चंद्र ने कृषकों को खरीफ फसल की उन्नत खेती के बारे में जानकारी दी। गर्मी की जुताई करने से भूमि जनित फफूंदी रोग, हानिकारक कीटों की विभिन्न अवस्थाएं जैसे अंडा, लारवा, प्यूपा, वयस्क कीटों का अधिक संख्या में होना है। बीज शोधन खरीफ फसलों जैसे धान के बीज को कार्बेंडाजिम 50 की 2 ग्राम प्रति किलो बीज की दर से सोधन करने से बीज जनित रोग को कम किया जा सकता है। उन्होंने मृदा स्वास्थ्य व मिट्टी की जांच कराकर ही उर्वरकों का प्रयोग करने की किसानों को सलाह दी। साथ ही मृदा नमूना एकत्र करने का तरीका बताया। गोष्ठी में 50 कृषकों ने भाग लिया। संवाद

Epaper

National Delhi UP Haryana Uttarakhand Bihar Jharkhand Punjab J&K Himachal West Bengal

फसल अवशेष जलाने से किसानों को नुकसान : डीएम

संवाद सूत्र, हस्तिनापुर : कृषि विज्ञान केंद्र में जनपद स्तरीय कृषक जागरूकता कार्यक्रम में किसानों को फसल अवशेष प्रबंधन की जानकारी दी गई। कृषि विभाग, कृषि विज्ञान केंद्र व कृषि कंपनियों द्वारा स्टाल भी लगाए गए।

कृषि विभाग की ओर से उपनिदेशरोप गोष्ठी में जिलाधिकारी दीपक मीणा ने कहा कि खेत में फसल अवशेष जलने की सूचना सेटेलाइट से तुरंत प्राप्त हो जाती है और किसान पर जुर्माना लगाया जाता है।

किसान अगर पराली और गन्ने की पत्ती को खेत में ही जैव ट ती उर्वरा शक्ति भी बढ़ती है और किसान मित्र कीट भी नष्ट होने से बच जाते हैं। व्यापक प्रमुख निरिम पैसवाल ने कहा कि खेत की उर्वरा शक्ति और पर्यावरण के संरक्षण के लिए फसल अवशेष को जलाने से बचना होगा। जिला कृषि अधिकारी राजीव सिंह ने विभिन्न योजनाओं के बारे में बताया गया। किसानों ने डीएम से खाद में नष्ट हुई फसलों का मुआवजा, गन्ने का गेसिक कीटा बढ़ाने, खाद के समय खिलाने बिल माफ करने की मांग की। साथ ही अनुदान पर मिलने वाले कृषि यंत्रों का वितरण में धांधली की शिकायत की। डीएम ने समस्याओं के शीघ्र निस्तारण की बात कही।

इस दौरान कृषि विज्ञान केंद्र प्रभारी डा. ओमवीर सिंह, वैज्ञानिक नवीन पंघ, राकेश तिवारी आदि रहे।

पन दिया गया है। संवाद

फूलगोभी में लगने वाले कीट की जानकारी देते कृषि वैज्ञानिक। संवाद

अगेती फूलगोभी में लगने वाले कीट से बचाव की जानकारी दी

लावड़। अगेती फूलगोभी में लगने वाले हानिकारक कीट हीरक पतंगा कीट के बारे में शनिवार को कृषि विज्ञान केंद्र हस्तिनापुर के कृषि वैज्ञानिकों ने किसानों के खेतों पर पहुंचकर उन्हें कीट से बचाव के बारे में जानकारी दी। साथ ही उनके खेतों का निरीक्षण किया। लावड़ में कृषि विज्ञान केंद्र हस्तिनापुर के पादप सुरक्षा वैज्ञानिक डॉ. नवीन चंद्र पहुंचे। उन्होंने किसानों के खेतों पर पहुंचकर अगेती फूलगोभी में लगने वाले कीट की पहचान, नियंत्रण के बारे में जानकारी दी। बताया कि इस कीट की इल्लियां पत्तों के हरे पदार्थ को खाती हैं और खाई गई जगह पर केवल सफेद झिल्ली रह जाती है, जो बाद में छेदों में बदल जाती है। बताया कि हीरक पृष्ठ शलभ कीट के प्रबंधन के लिए बेसिलस थ्रूजायनसिस का पांच प्रतिशत डब्ल्यूपी का एक मिली/लीटर की दर से छिड़काव करना चाहिए। गोभी के हीरक पृष्ठ शलभ कीट को प्रबंधन करने के लिए फेरोमोन पांच ट्रैप/ हेक्टेयर सेट करें, प्रकाश जाल तीन बल्ब/एकड़ स्थापित करें। संवाद

मिट्टी की सेहत के लिए जरूरी है जांच

संवाद न्यूज एजेंसी

हस्तिनापुर। भूमि से अधिक पैदावार लेने के चक्कर में अंधाधुंध रसायनों का प्रयोग भूमि को बंजर बना सकता है। किसान मिट्टी की जांच नहीं करवाकर लगातार परंपरागत फसलों का उत्पादन कर भूमि की उपजाऊ शक्ति घटा रहे हैं, जो कि भविष्य के लिए चिंता का विषय है। यदि किसान अपनी मिट्टी की जांच करवाकर जांच रिपोर्ट के अनुसार ही फसलों का उत्पादन लें तो इससे एक तो फसल का उत्पादन अधिक होगा, वहीं मिट्टी की उपजाऊ शक्ति भी बढ़ेगी।

अंधाधुंध रसायनों का प्रयोग बना सकता है भूमि को बंजर

ढेंचा की बिजाई भी बढ़ाएगी उत्पादन

डॉ. राकेश

वर्षा ऋतु के आरंभ में यदि खेत में ढेंचा की बिजाई की जाए और जुलाई माह में हरी खाद का प्रयोग किया जाए तो जमीन की उपजाऊ शक्ति बढ़ जाती है। धान या ढेंचा की फसल के बाद गेहूं या जौ की फसल लगाई जा सकती है। धान के बाद चकुंदर की फसल भी उगाई जा सकती है। दलहन व तिलहन फसलों का प्रयोग करके भी जमीन की उपजाऊ शक्ति को बढ़ाया जा सकता है।

क्षेत्र में भूमि सुधार की दृष्टि से लवण प्रभावित भूमि को मोटे तौर पर दो भागों लवणीय व क्षारीय भूमि के रूप में बांटा जाता है। इस भूमि में कैल्शियम, मैग्नीशियम, सोडियम क्लोराइड व सल्फेट की मात्रा अधिक होने के कारण नमक की मात्रा अधिक हो जाती है। इस भूमि का पीएच भी 8.5 से अधिक होता है, जिससे भूमि की उपजाऊ शक्ति प्रभावित होती है।

इस भूमि में विनियम सील सोडियम की मात्रा भी अधिक होने से फसलों का उत्पादन प्रभावित होता है। कस्बे के स्वामी कल्याण देव कृषि विज्ञान केंद्र के सहायक प्राध्यापक मृदा विज्ञान डॉ. राकेश तिवारी ने बताया कि किसानों को मिट्टी की जांच करवानी चाहिए।

डॉ. राकेश तिवारी ने कहा कि एक एकड़ खेत को आठ बराबर हिस्सों में बांटना चाहिए। प्रत्येक हिस्से के चारों तरफ 30 सेंटीमीटर ऊंची मजबूत मेड़ बनाएं। इसके बाद इन सभी हिस्सों को समतल करना चाहिए। प्रत्येक हिस्से में 12 से 15 सेंटीमीटर तक पानी भर दें। इससे भूमि की 30 सेंटीमीटर तक की परत में पहले के मुकाबले 10 प्रतिशत से भी कम लवण रह जाएंगे।

Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	285	20	23	15	65	35	443
	Voice only	890	35	25	25	410	130	1515
	Voice & Text both	0	0	0	0	0	0	0
	Total Messages	**1175**	**55**	**48**	**40**	**475**	**165**	**1958**
	Total farmers Benefited	**910**	**35**	**38**	**61**	**452**	**161**	**1657**

Swachchhata Abhiyan 2023

S. No.	Programme	Date	Venue	No of participants
1	Awareness and swachta programme among angadwadi workers	10.09.2023	AngadwadI Kendra,Hastinapur	30
2	Special Swachhta Abhiyan- Waste to wealth	27.09.2023	KVK Farm	12
3	Vermin Composting – Distribution of vermin bag	29.09.2023	KVK Hastinapur	10
4	Swachchhata Pledge & Awareness programme			30
5	Cleaning of KVK Campus	30.09.2023	KVK Hastinapur	12
6	Special Swachhta Abhiyan-3	(02-31.10.2023)	KVK & Village- Samaspur Rahmapur, Pali, Ganeshpur	182
7	Cleaning of KVK premises	06.10.2023	KVK Hastinapur	17
8	Weeding out of office files	10.10.2023	KVK Hastinapur	15
9	Programme among school children	11.10.2023	Primary School Rahmapur	50
10	Awareness on Kitchen Waste Management	13.10.2023	KVK Farm	18
	Total			**376**

Budget Statement under Swachchhta Action Plan

SN	Year	Head	Opening Balance	Grant Received	Expenditure	Balance
1	April-Sep,2023	Swachchhta Action Plan	100	39900	39840	160

Other Events

Two day Kisan Mela organized by Indian Institute of Agricultural Farming Systems, Meerut

On January 27-28, 2023, a two-day Kisan Mela was organized by the Institute of Agricultural Systems, Meerut, in which various types of products made of coarse grains and an exhibition related to organic farming were organized by the center. Krishi Vigyan Kendra was awarded the first prize in the exhibition by the Institute of Agricultural Systems, Meerut.

All India Kisan Sammelan on three day cow based natural farming

An exhibition was installed in three-day All India Kisan Sammelan on cow-based natural farming organized by the Bharatiya Kisan Sangh, from 17 to 19 March 2023 at Hastinapur. On the occasion Sangh Pramukh Honorable Shri Mohan Bhagwat ji was the Chief guest and Honorable Agriculture and Agriculture Education Minister Shri Surya Pratap Shahi ji graced the event.

दैनिक भारत समाचार पत्र

DAINIK BHARAT SAMACHAR PATRA

18/03/2023 जनपद मेरठ

कृषि विज्ञान केंद्र हस्तिनापुर में अंतरराष्ट्रीय श्रीअन्न (मिलेट्स) सम्मेलन के कार्यक्रम को कृषकों के साथ देखते वैज्ञानिक

सवांददाता मोनू कुमार

हस्तिनापुर. शनिवार को कृषि विज्ञान केंद्र हस्तिनापुर में अंतर्राष्ट्रीय श्रीअन्न (मिलेट्स) सम्मेलन के कार्यक्रम को सैकड़ों किसानों की मौजूदगी में देखा गया, व प्रधानमंत्री नरेंद्र मोदी द्वारा श्रीअन्न (मिलेट्स) योजना कार्यक्रम की जानकारी दूरदर्शन के माध्यम से दी गई , जिसे हस्तिनापुर कृषि विज्ञान केंद्र के समस्त वैज्ञानिकों ने किसानों के साथ ध्यान पूर्वक सुना, जिसे प्रधानमंत्री नरेंद्र मोदी जी ने भारत में पैदा किए जाने वाले विभिन्न प्रकार के अन्न जैसे ज्वार,बाजरा रागी, अन्य कृषि से संबंधित के महत्व को बताया गया, और किसानों को इससे उत्पादन होने वाले लाभ की जानकारी देते हुए चर्चा की गई , भारत देश की पुरातन कृषि व्यवस्था के महत्व को भी उद्धत किया, इस अवसर पर केंद्र के प्रभारी अधिकारी डॉ. ओमवीर सिंह प्रधानमंत्री के कार्यक्रम के समापन के उपरांत किसानों को बताया की श्रीअन्न मिनी किट आसानी से किस प्रकार प्राप्त किए जा सकते हैं तथा इसके स्वास्थ्य पर पड़ने वाले अनुकूल प्रभावों को बताते हुए डॉक्टर संजय कुमार ने बताया की यदि किसान भाई इसका उपयोग करते हैं तो सिंचित जल के साथ मृदा में होने वाले हानिकारक रसायनों का प्रभाव भी कम किया जा सकता है, इनके साथ -साथ वैज्ञानिक श्री राकेश तिवारी, नवीन कटियार, आशीष, वीना यादव ने भी इस विषय पर व्याख्यान देकर लाभान्वित किया, इस कार्यक्रम में सैकड़ों किसान शामिल रहे।

Live telecast of International Sree Anna (Milliet) Conference

On 18.03.2023, Krishi Vigyan Kendra showed live telecast of the International Shree Anna (Milliet) Conference to 76 farmers and farmer women at the center. On this occasion, after the conclusion of the program Scientists of the center informed the farmers about the utility of Shri Ann

Hunar Se Haat Mela

On 19.03.2023, Hunar Se Haat Mela was organized by SVP University of Agriculture and Technology, Meerut under Women Empowerment programme. in which live skills of women of village Naglachad and Chetawala trained by the KVK were demonstrated making of modha and basket. On the day Hon"ble Governor of U.P. and Minister of Agriculture and Agriculture Education Shri Surya Pratap Shahi ji were graced the event.

Kharif Campaign 2023

Kharif Compaign for transfer of technology for production of kharif crops among the farmers has been conducted during Kharif season of 2023 total 24 activities in 24 villages, were conducted in which 789 farmers were benefited.

Yoga Days-2023

Yoga Day 2023 was celebrated at KVK on 21, June 2023. In the celebration 97 farmers and 09 staff members of the KVK practiced according to protocol of the day. Farmers are made aware about the benefits of yoga towards Arogya.

Tree Plantation (Month of July 2023)

Tree Palntation programme has been organized at KVK Farm, Compound & Village . During the programme plants of karounda, sahjan, lemon were distributed among the farmer & farm women. The participants were made aware about the importance of plant in our life.

Live telecast of release of 14th.Kisan Samman Nidhi

On 27.07.2023, Krishi Vigyan Kendra showed live telecast of release of Kisan Samman Nidhi to 150 farmers and farmer women at the center. On this occasion, Smt. Sudha Khatik Cair person Nagar Panchayat was the Chief Guest. After the conclusion of the program Scientists of the center informed the farmers about Govt. policies for farmer welfare

दैनिक भारत समाचार पत्र

DAINIK BHARAT SAMACHAR PATRA

ब्यूरो रिपोर्ट मोनू कुमार 28/07/2023 मेरठ आसपास क्षेत्र की खास खबर

कृषि विज्ञान केंद्र हस्तिनापुर में नगर पंचायत अध्यक्ष सुधा खटीक की अध्यक्षता में प्रधानमंत्री नरेंद्र मोदी के किसान सम्मेलन कार्यक्रम को भारी संख्या में लोगों ने देखा

मेरठ हस्तिनापुर के कृषि विज्ञान केंद्र में प्रधानमंत्री नरेंद्र मोदी के किसान सम्मेलन कार्यक्रम को भारी संख्या में लोगों ने पहुंचकर सीधा लाइव प्रसारण देखा। इस कार्यक्रम की मुख्य अतिथि नगर पंचायत अध्यक्ष सुधा खटीक का केंद्र के हेड इंचार्ज डॉ. ओमवीर सिंह ने पुष्प देकर व श्रीमती वीना यादव ने शॉल उढ़ाकर स्वागत किया। प्रधानमंत्री के कार्यक्रम को सुन रहे लगभग 150 किसानों ने तालियां बजाकर शांति पूर्ण रुप से कार्यक्रम को सुना व केंद्र सरकार की योजनाओं की प्रशंसा की गई। कार्यक्रम की मुख्य अतिथि रही नगर पंचायत अध्यक्ष सुधा खटीक ने संबोधन में प्रधानमंत्री द्वारा किसानों के लिए चलाई गई योजनाओं के बारे में बताया। सुधा खटीक ने कहा कि किसान योजनाओं का लाभ उठाकर किसान अपने खुशहाल जीवन के साथ साथ आगे बढ़ रहा है। नरेंद्र मोदी व भाजपा सरकार लगातार किसानों के हित में कार्य कर रही है। केंद्र सरकार द्वारा चलाई गई किसान सम्मान निधि योजना के तहत किसानों को साल में तीन बार 2-2 हजार रुपये दिए जाते हैं। जिसकी 14वीं किस्त अब तक किसानों के खातों में जा चुकी है और इस योजना का अब तक61लाख 7हजार 91किसानो के खाते में 56करोड़ 678हजार रूपए दिए जा चुके हैं!

Crop Residue management Programme

On 06.11.2023, Krishi Vigyan Kendra and agricultural department Meerut organized one day Kisan mela & Gosthi at Krishi Vigyan Kendra hastinapur. On this occasion, chief guest of the programme was Sri Deepak Meena, disitrict megistrate of Meerut . Under this programme 450 farmers and farmer women were participated.

Uttar Pradesh Millets Revival Programme

Dated 30.11.2023, Agricultural department Meerut organized Millets Revival Programme under International Year of Millets 2023. On this occasion, Road show and gosthi was organised , chief guest of the programme was Selva Kumari Commissioner Meerut,. Under this programme 250 School students were participated and aware the importance and benefits of millets in their diet.

Uttar Pradesh Millets Revival Programme for School Teacher

Dated 12.12.2023, Agricultural department Meerut organized Millets Revival Programme for school teacher. 200 school teacher were participated in training programme and they were aware the importance and benefits of millets in their diet.

Progress related to Shree Anna (Coarse Cereals)

Programme	No.	Participants
Awareness Programme	11	250
Training Programme	6	134
Demonstration	1	03
Exhibition	03	1010
Programme for Aaganwadi	03	170
Awareness programme for Teacher & school children	02	450

Mission Life Activities 2023

SN	Date	Program Under Mission Life	Activities	Participants	
1	26-05-2023	Creating awareness for rainwater harvesting and its efficient use.	Farmer Gosthi	70	
2	28-05-2023	Campaign on Soil Health Management	Farmers Goshthi, Field visit and collection of soil sample and interaction with farmer	51	 
3	01-05 June 2023	Organic and natural farming	Goshthi, Interaction and awareness programme	235	
4	05-06-2023	Tree planting World Environment day	Celebration of World Environment Day, Pledge ceremony and Tree distribution among farmers	70	 

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

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Wheat	DBW-303		35.25	77550	Supply to NSC
Oilseeds	Mustard	RH-749	-	78.4	431200	Supply to NSC
Pulses						
Commercial crops	Bajra + Jowar	Commercial		-	119980	Auction
Total						

Production of planting materials by the KVKs- Nil

Production of Bio-Products- Nil

Table: Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals				
Cows	01			
Buffaloes				
Calves				
Others (Pl. specify)				
Total				

X. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	250	250	20	35200.00
Total	250	250	20	35200.00

XI. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted	Date of SAC
Meerut	01	10 November 2023

XII. NEWSLETTER/MAGAZINE

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

XIII. PUBLICATIONS

Category	Number
Training Manual	08
Book Chapter	02
Research papers	08
Technical bulletins	01
Technical reports	05
Total	**24**

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

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

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

Introduction of alternate crops/varieties

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

Major area coverage under alternate crops/varieties

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

Farmers-scientists interaction on livestock management

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

Animal health camps organised

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

Seed distribution in drought hit states

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

Large scale adoption of resource conservation technologies

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

Awareness campaign

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

XVI. DETAILS ON HRD ACTIVITIES

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

B. HRD activities organized in identified areas for KVK staff by ATARI : NA

XIV. CASE STUDIES

Use of pheromone traps for the eco friendly management of fruit fly in Parwal

Parwal, *Trichosanthus dioica* (Roxb.), is extensively cultivated in several areas of India. Fruit fly is one of the major insect pests of vegetable and fruit crops throughout India. The farmers of the district are applying synthetic insecticides for its management. Since, the maggots damage the fruits internally; it is difficult to control this pest with insecticides.

The use of pheromone traps for the eco-friendly management of fruit fly has proved to be success in reducing the pest population for the past few years. The pheromone, 'cuelure' is used in cucurbits, which mimics the scent of female flies, attracts the male flies and traps them in large numbers resulting in check of population growth early in the season.

Intervention of Krishi Vigyan Kendra, Meerut

Krishi vigyan Kendra, Meerut is working under the jurisdiction of Sardar Vallabhbhai Patel University of Agriculture and Technology, located in block Hastinapur, Meerut, where cultivation of cucurbits, particularly Parwal, is grown over a large area of 600 – 700 acre. As per local farmer's feedback, in spite of using hazardous pesticides, they are bound to bear about 25 – 30 % yield loss every year due to the attack of fruit fly.

Role of KVK Hastinapur in dissemination of technology

Various front line demonstrations of cue lure containing pheromone traps were laid out by KVK Hastinapur, Meerut at the fields of parwal growers of the area during the year 2020 - 2022 to introduce and promote the eco friendly management technology of fruit flies. The traps and lure (Cue lure) were procured from PCI, under the front line demonstrations programme and distributed among 10 progressive farmers for installation @ 5 traps/ acre in 30 acre area of Parwal crop during the first fortnight of June month . Lure was replaced once after two months during the month of August. The demonstrations continued for three consecutive years covering

Field visits were conducted prior to the programme and progressive farmers were selected and trained about the technology to ensure maximum impact of the programme.

Results of FLD Programme

The technology was found feasible, cheaper and easy to adopt at farmer's field. Performance of "cue lure" traps was well appreciated by farmer in terms of increased yield, reduced labour cost and better market demand of their produce. Scientists analyzed the economics of the technology on the basis of data obtained from three consecutive years (Table - 1).

Table 1: Economics of Using Cue lure traps for the management of fruit fly in Parwal.

Economics of Demonstration (Rs/ha)					Economics of Farmer Practice (Rs/ha)				
Yield (qt.ha)	**Gross Cost**	**Gross Return**	**Net Return**	**BCR**	**Yield (qt.ha)**	**Gross Cost**	**Gross Return**	**Net Return**	**BCR**
103.97	37550	155955	118405	1:4.15	84.31	35250	126472.5	91222.5	1:3.58

An average of 23.35 percent increased yield was observed resulting Rs. 27182.5 average increased income per hectare comparing with plots under farmer's practice where traps were not installed. Results were eye opener for the farmers. Now, the cucurbits growers of the area are well aware with the technology and directly purchasing and installing the traps well in advance for the management of fruit flies not only in Parwal but also in other cucurbitaceous crops grown in area.

Further, the farmers are now being trained to lower the cost of the technology by making homemade traps. Used mineral water or soft drinks bottles may be utilized with four windows of 1.5cm diameter. The wooden blocks should be placed almost at the same level of the windows. Farmers may purchase only lures to recharge in the home made traps. Scientists of the centre are now popularizing the home made traps among cucurbits growers for maximum adoption of the technology at lowest cost.

XIX Achievement of Special programmes

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

2) **Achievements under Crop Residue Management (CRM) Project by KVKs- Not applicable**

3) **Achievement of TSP (Tribal Sub Plan) - Not applicable**

4) **Achievement of KSHAMTA (Knowledge Systems And Home Based Agricultural Management in Tribal Areas) - Not applicable**

5) **Achievements of SCSP KVKs**

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

6) **Achievement under IFS KVKs**

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

7) Activities performed under NARI programme

Table-7.1: Details of activities performed under NARI programme

Nutritional Garden		Bio-fortified crops		Value addition		Training programmes		Extension activities	
No of Established	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries
24	24	6	25	04	75	12	240	03	60

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	In OFT WB-02	-	03
Millet	Finger millet			
	Pearlmillet			
	Sorghum			
Oilseed	Groundnut			
	Mustard			
Pulses	Lentil			
	Lathyras			
Vegetable	Cauliflower	Pusa Beta Kesari	100 sqm/ 10 farmer	25
	Potato	Kufri Neelkanth	20 Sqm	25
Tuber	Sweet Potato			
	Radish	Pusa Jamuni	100 sqm	25
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	250	250	20	35200.00	
Water					
Plant					
Manure					250
Total				**35200.00**	

9) Achievements under NICRA Project- Not Applicable

10) Achievements under ARYA Project - Not Applicable

11) Achievements under Pulses Seed Hub programme-Not Applicable

12) Achievements under Swachhata Abhiyan Mission

S.No.	Items	No. of Programmes	No. of persons paticipated
1	Toilet maintenance	02	06
2	Garbage disposal	05	60
3	Door to door awareness	02	12
4	Awareness campaign	12	280
5	Composting	01	15
6	Other	08	125
	Total	**30**	**498**

13) Achievements under Aspirational District Scheme - Not Applicable

14) Awards

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

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