ANNUAL REPORT
KVK, MUZAFFARNAGAR-II

Period of Report: **January 2024 to December 2024**

APR SUMMARY

(Note: While preparing summary, please don't add or delete any row or columns)

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	67	946	409	1355
Rural youths	02	10	10	20
Extension functionaries	21	225	87	300
Sponsored Training	0	0	0	0
Vocational Training	0	0	0	0
Total	**90**	**1181**	**506**	**1675**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	277	118.0	-
Pulses	66	16.3	-
Cereals	24	8.0	-
Vegetables	40	3.6	-
Other crops	0	0	-
Hybrid crops	0	0	-
Total	**407**	**145.9**	-
Livestock & Fisheries	53	-	53
Other enterprises	75	-	75
Total	**128**	**-**	**128**
Grand Total	**535**		**128**

3. Technology Assessment

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Crops	03	13	13
Livestock	01	04	04
Various enterprises	0	0	0
Total	04	17	17
Grand Total	04	17	17

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	727	5674
Other extension activities	28	1800
Total	755	7474

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
Muzaffarnagar - II	Text only	1005		18	07	38	20	1088
	Voice only	-	-	-	-	-	-	-
	Voice & Text both	-	-	-	-	-	-	-
	Total Messages	**1005**		**18**	**07**	**38**	**20**	**1088**
	Total farmers Benefitted	-	-	-	-	-	-	**3500**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.	Distributed to No. of farmers
Seed (q)	-	-	-
Planting material (No.)	22575	-	-
Bio-Products (kg)	-	-	-
Livestock Production (No.)	-	-	-
Fishery production (No.)	-	-	-

7. Soil, water & plant Analysis: N.A.

Type of Samples	No. of samples analysed	No. of farmers	Realised Total Value Rs.
Soil	-	-	-
Water	-	-	-
Plant	-	-	-
Manure	-	-	-
Others	-	-	-
Total	-	-	-

8. HRD and Publications

Sr. No.	Category	Number	No. of participants
1	Workshops	01	-
2	Conferences	03	mass
3	Meetings	12	132
4	Trainings for KVK officials	01	30
5	Visits of KVK officials	02	11
6	Book published	-	-
7	Bulletins	-	
8	Newsletters	-	-
9	Training Manual	-	-
10	Book chapters	-	-
11	Research papers	01	-
12	Lead papers	-	-
13	Seminar papers	-	-
14	Extension folder	-	-
15	Proceedings	02	-
16	Award & recognition	01	-
17	On going research projects	-	-

9. Achievements of Flagship Programmes:

Sr. No.	Name of Programme	Activities	Quantity/ Number	Period/ Area Covered (ha)	No. of Farmers benefitted	Revenue generated (Rs)
1	CRM	Awareness programme (IEC activities)	08	-	551	
		Training programmes		-		
		Demonstrations	42		42	
		Kisan melas		-		
		Other activities (posters, banners, paintings etc)	-	-	-	
		Publicity material leaflets/ pamphlets etc distributed	-	-	-	
		Awareness through TV & Radio		-	-	
		Exposure visit	03	-	150	
		Field days	02	-	114	
		Advertisement published in Print media	-	-	-	
2	Natural farming	Training programmes	-	-	-	
		No. of awareness	-	-	-	
		Demonstrations at farm	01	0.05	-	
		No. of farmers visited demonstration plots	05	20.0	05	
4	Swachhta Bharat Abhiyaan	Programmes organized	12	-	108	
5	CFLD	CFLD on Pulses	66	16.3	66	
		CFLD on Oilseeds	277	118.0	277	

10. Status of Revolving fund (As on 31st December, 2024):

- Last status (as on 31st December, 2023) : Rs. 3,13,750.00
- Current status (as on 31st December, 2024) : Rs. 12,54,857.00

DETAIL REPORT OF APR-(January 2024 to December 2024)

1. GENERAL INFORMATION ABOUT THE KVK, MUZAFFARNAGAR-II

1. GENERAL INFORMATION ABOUT THE KVK, MUZAFFARNAGAR-II

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

Address	Telephone		E mail
	Office	FAX	
KRISHI VIGYAN KENDRA, Muzaffarnagar-II, CHITTODA JHAL, CHITTODA, DISTT.-MUZAFFARNAGAR (U.P.) PIN- 251314 website : muzaffarnagar2.kvk4.in	9411263753	-	kvkmuzaffarnagar02@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
DIRECTORATE OF EXTENSION Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut.-250110	0121-2888511	0121-2888505 2888540	dir.ext@svpuat.edu.in deesvpuat2014 @gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Hans Raj Singh, Professor & Head	-	9411263753	kvkmuzaffarnagar02@gmail.com

1.4. Year of sanction: 2018

1.5. Staff Position (as on 01st April, 2024)

Sl. No.	Sanctioned post	Name of the incumbent	Design-ation	Subject	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Perman-ent /Temp-orary	Category (SC/ST/ OBC/ Others)	Mobile no.	Age	Email id
1	Programme Coordinator	Dr. Hansraj Singh	Professor & Head	Agronomy	37500-67000	2,11,800	--	**Permanent**	OBC	9411263753	58	drhansraj67@gmail.com
2	Subject Matter Specialist	Dr. Surendra Kumar	SMS/ Asstt. Prof.	Agril. Extension	15600-39100 8000	1,07,200	18/07/08	**Permanent**	GEN	9319304168	59	sktanwar_kvkbaghpat @ rediffmail.com
3	Subject Matter Specialist	Dr. Yesh Pal Singh	SMS/ Asstt. Prof.	Horticulture	15600-39100 8000	1,04,100	19/01/09	**Permanent**	OBC	9457111952	48	ypsingh76@gmail.com
4	Subject Matter Specialist	Smt. Saumya Pandey	SMS/T6	Fisheries	15600-39100 8000	59,500	06/07/22	**Permanent**	GEN	9453912200	30	saumyasmsfisheries@gmail.com
5	Subject Matter Specialist	Dr. Pooja	SMS/T6	Home Science	15600-39100	59,500	28/07/22	**Permanent**	OBC	9023739120	36	poojakaundal0007@gmail.com
6	Subject Matter Specialist	--	--	--	--	--	--	--	--	--	--	--
7	Subject Matter Specialist	--	--	--	--	--	--	--	--	--	--	--
8	Programme Assistant	--	--	--	--	--	--	--	--	--	--	--
9	Computer Programmer	Sh. Uttam Singh Rathi	Programme Asstt., Computer	Computer Science	9300-34800	62,200	30/07/07	**Permanent**	OBC	9012347688	43	uttam.svp@gmail.com
10	Farm Manager	Sh. Sanjeev Kumar	Programme Asstt.,/ Farm Manager	Agronomy	9300-34800	72,100	23/01/04	**Permanent**	OBC	8392955124	55	sanjievk1970@gmail.com
11	Accountant / Superintendent	Smt. Sarita Tiwari	Assistant	-	9300-34800	35,400	10/01/24	**Permanent**	GEN	9870949564	56	--
12	Stenographer	--	--	--	--	--	--	--	--	--	--	--
13	Driver	Sh. Harish Kant Sharma	Driver	--	5200-20200	48,200	01/07/98	**Permanent**	GEN	9027224876	49	-
14	Driver	Sh. Vijender Singh	Driver	--	5200-20200	48,200	01/07/98	**Permanent**	OBC	9897367070	57	--
15	Supporting staff	Sh. Udaivir	Attendant	--	4440-7440	41,000	01/07/98	**Permanent**	OBC	8445125399	51	udaivirs055@gmail.com
16	Supporting staff	--	--	--	--	--	--	--	--	--	--	--

1.6. Total land with KVK (in ha) :12.419

S. No.	Item	Area (ha)
1	Under Buildings	0.055
2.	Under Demonstration Units	0.015
3.	Under Crops	0.620
4.	Orchard/Agro-forestry	10.897
5	Others (Fisheries Pond)	0.582
6.	Others (Mela ground/ lawn)	0.250

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	Jan., 2022	550 sqm	135 lac	-	-	-
2.	Farmers Hostel	-	-	-	-	-	-	-
3.	Staff Quarters (6)	-	-	-	-	-	-	-
4.	Demonstration Units (2)	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero Jeep (UP12 AG 0581)	2022	800000.00	54,324 KM	Working
Tractor (UP 12 BH 9776)	2022	800000.00	570 hrs.	Working

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status

1.8. A). Details SAC meeting* conducted in the year 2024 (11.12.2024)

Name and Designation of Participants	Salient Recommendations	Action taken
1. Dr. P.K. Singh, Director Extension, SVPUAT, Meerut 2. Dr. K.G. Yadav, Professor SVPUAT, Meerut 3. Dr. Hariom Katiyar, Assoc. Professor SVPUAT, Meerut 4. Dr. L.R. Meena, PS (Agronomy), IIFSR, Meerut 5. Dr. Anuj Bhatnagar, PS (Agronomy), IIFSR, Meerut 6. Dr. D. Kumar, Scientist, IIFSR, Meerut 7. Dr. Ashok Kumar Chauhan, CTO, CPRI, Meerut 8. Er. Santosh Kumar Yadav, DD (Ag), Muzaffarnagar 9. Dr. Jitender Gupta, CVO, Muzaffarnagar	1. Director Extension suggested that the center should produce new and improved varieties of saplings and distribute these saplings for display in Nutri gardens and deposit the income obtained in the revolving fund account of the center. 2. Dr. D. Kumar suggested that the Organic Plant Breeder should be prepared by training farmers through KVK. 3. Dr. Katiyar from Directorate of Extension suggested that the module of mixed grains has been prepared by the IIT Bombay for malnutrition relief. According to that, programmes should be organised in malnutrition	1. Saplings of vegetables are being produced at KVK for farmers. 2. Farmers training and field demonstration are being conducted on natural farming. 3. 20 demonstrations were conducted as advised in SAC. 4. More than 200 demonstrations were conducted on mulcher machine and application of waste decomposer under CRM in 26

10. Dr. J.P. Singh, OIC, Sugarcane Research Centre, Mzaffarnagar 11. Sh. N.P.S. Malik, Inspector, Horticulture Department, Muzaffarnagar 12. Dr. Hans Raj Singh, Professor & Head, KVK, Muzaffarnagar 13. Dr. Savita Arya, Assoc. Professor & OIC, KVK, Muzaffarnagar-I 14. Sh. Pankaj Kumar Senghal, Member, SAC 15. Smt. Lata Senghal, Member, SAC 16. Sh. Yogesh Baliyan, Member, SAC 17. Smt. Partibha, Member, SAC 18. Dr. Surender Kumar, SMS/Asstt. Professor (Agril. Extension), KVK, MZN-II 19. Dr. Yes Pal Singh, SMS/Asstt. Professor (Horticulture), KVK, MZN-II 20. Dr. Saumya Pandey, SMS (Fisheries), KVK, MZN-II 21. Dr. Pooja, SMS (Home Science), KVK, MZN-II 22. Sh. Sanjeev Kumar, Programme Asstt./Farm manager, KVK, MZN-II 23. Sh. Uttam Rathi, Programme Asstt. Computer, KVK, MZN-II 24. Dr. Virnedra, SMS (Plant Protection), KVK, MZN-I 25. Dr. Deepak Sharma, SMS (Animal Husbandry), KVK, MZN-I 26. Dr. Reena, SMS (Agronomy), KVK, MZN-I 27. Sh. Ajay Kumar, Programme Asstt. computer, KVK, MZN-I 28. Sh. Sudhir Kumar Dubey, Accountant, KVK, MZN-I 29. Sh. Ajesh Kumar Sharma, Attandent, KVK, MZN-I 30. Sh. Udaivir, Peon, KVK, MZN-II 31. Sh. Vijender, Driver, KVK, MZN-II 32. Km. Vineeta Yadav, RAWE Student 33. Km. Sonli Gangwar, RAWE Student	free villages. 4. The Deputy Director of Agriculture suggested that to prevent burning of sugarcane leaves, the department is distributing Waste Decomposer capsules to the farmers and information regarding this should be given to the farmers through the trainings of KVK. 5. The Deputy Director of Agriculture suggested that training on Srianna cultivation should be included in the action plan and training should be provided to the FPO for various startups.. 6. Dr Singh suggested that the action plan of the Centre does not include demonstration on latest varieties of sugarcane and along with that training should be provided for seed replacement and sugarcane sowing through trench method. 7. Dr Chauhan suggested that fortified varieties of potatoes are available for demonstration at Potato Research Institute, Meerut. These varieties should be demonstrated in malnutrition free villages and farmers should be trained to grow market based crops for maximum profit. 8. Dr. Yadav, Directorate of Extension suggested that field day should be organized for CFLD and an adoption rate of the technology should also be given in the progress report. 9. Shri Pankaj Sharma suggested that beekeepers should be given training for testing pure honey and the Centre's bee testing laboratory should be registered with EIC so that beekeepers can export their honey. 10. Director Extension suggested that Horticulture department should purchase vegetable seeds from IIVR	villages. 5. Programmes are being organized on millets through Kisan Gosthi, trainings, demonstrations and awareness programmes. 6. KVK providing information, availability and characteristics of latest varieties through Kisan Gosthi and trainings 7. Eight fortified varieties of potato were sown in the crop cafeteria during Rabi 2023-24 but the crop was fully damaged by monkeys. 8. Field days will be organized as per suggestion given in SAC. 9. Trainings on honey bee/ Apiculture are being organized regularly under NBB project. 10. Demonstrations and On Farm Trial on vegetables are being organized as per action plan. Kisan Gosthi, trainings

34. Km. Niharika, RAWE Student 35. Km. Anushka Sharma, RAWE Student 36. Km. Nimisha Sharma, RAWE Student 37. Km. Arpita Chaudhary, RAWE Student 38. Km. Oshika Jain, RAWE Student 39. Km. Jyoti Panwar, RAWE Student	Varanasi to organize demonstrations and on farm trial no. 2 should be changed.	

**** Attach a copy of SAC proceedings along with list of participants***

2. DETAILS OF DISTRICT (31st December, 2024)

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

S. No	Farming system/enterprise
1	S. Cane based + A.H + Horticulture
2	S. Cane based + A.H + Vegetable + Floriculture

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

Sl. No.	AES	Characteristics of AES	Major Commodities	Farming System	Blocks
1.	AES-1	More than 85% Area, Sandy Loam Soil	S.Cane, Wheat, Rice, Jowar, Mango, Potato	S. Cane based + A.H+ Horticulture + Mustard	Purkaji, Morna & Jansath
2.	AES-2	More than 95%, Sandy Loam	S.Cane, Wheat, Jowar, Brinjal, Cabbage, Gladiolus, Tuberose,	S. Cane based + A.H+ Vegetable+ Floriculture + Mustard	Khatauli

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	Sandy	2 - 0.2 mm,	17633
2.	Sandy loam	0.2 - 0.02 mm,	128334
3.	Loam	0.02 - 0.002 mm	78186
4.	Clay loam	>than 0.002 mm	5126
	Total		**229279**

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

S. No	Crop	Area (ha)	Production (q)	Productivity (q /ha)
1.	Sugarcane	132004.00	-	812.00
2.	Wheat	80254	-	41.17
3.	Paddy	11580	-	23.36
4.	Blackgram	717	-	5.40
5.	Greengram	100	-	4.14
6.	Lentil	285	-	6.91

7.	Gram	270	-	10.74
8.	Pea	360	-	13.89
9.	Pigeon Pea	37	-	8.04
10	Mustard	4018	-	12.35
11	Potato	3260	-	230.01
12	Cotton	274	-	1.30
13	Maize	250	-	15.75

2.5. Weather data (1st January, 2024 to 31st December, 2024)

Month	**Rainfall (mm)**	**Temperature ^{0} C**		**Relative Humidity (%)**
		Maximum	**Minimum**	
January 2024	59.8	17.6	6.5	91
February 2024	40.0	22.4	7.8	87
March 2024	116.0	26.4	12.4	80
April 2024	35.8	32.6	17.7	64
May 2024	53.4	35.6	22.4	64
June 2024	87.6	35.3	24.5	78
July 2024	324.8	33.0	23.9	79
August 2024	240.0	32.5	24.7	90
September 2024	40.0	34.1	23.8	87
October 2024	0.6	30.7	18.2	83
November 2024	33.2	26.7	13.2	83
December 2024	35.6	17.4	6.7	90

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

Category	**Population**	**Production**	**Productivity**
Cattle			
Crossbred	35460	413514 liter/day	1800-3178 liter/lactation
Indigenous	133459	40377 liter/day	1200-2270 liter/lactation
Buffalo	204306	1790140 liter/day	1360-2270 liter/lactation
Sheep			
Crossbred	223		
Indigenous	8478		
Goats	20429		
Pigs			
Crossbred	10543		
Indigenous	24856		
Rabbits	281		
Poultry			
Hens	54502		
Desi	109087		
Improved	1642		

Ducks	20		
Camel	41		
Category	**Area**	**Production**	**Productivity**
Fish	1239 ha	40887 qt	30-35 /ha
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

2.7 Details of Operational area / Villages (1st January, 2024 to 31st December, 2024)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Khatauli	Khatauli	Nauna, Mogpur, Pal, Tajpur, Bhitora and Palda	Sugarcane	High infestation of insect & disease	Insect & disease mgt. through IPM
				Gladiolus	Low yield due to use of local variety and rotten corm	Introduction of HYV & Disease mgt.
				Vegetables	Local variety, Imbalance fertilizer application, Infestation of pest	Introduction of HYV IPNM IPM
2.	Jansath	Jansath	NaglaKabir, Sikhada, Chittora, NanglaMubarik	Sugarcane	Poor yield due to no use of organic matter	Promoting of organic manure
				Wheat	Low yield due to imbalance use of fertilizer	IPNM in Wheat
				Merigold	Use of local seed, High infestation of disease	Introduction of HYV Disease mgt.
				Vegetables	Local variety, Imbalance fertilizer application, Infestation of pest	Introduction of HYV IPNM IPM
				Barseem	Low yield due to local seed	Introduction of HYV
3.	Jansath	Morena	Tissa, Jolly, Mirja Rilla and Jatwada	Sugarcane	High infestation of insect &isease	Insect & disease mgt. through IPM
				Wheat	Low yield due to imbalance use of fertilizer	IPNM in Wheat
				Vegetables	Local variety, Imbalance fertilizer application, Infestation of pest	Introduction of HYV IPNM IPM
4.	Sadar	Purkaji	Sherpur, Amlawala and Tuglakpur	Sugarcane	High infestation of insect &isease	Insect & disease mgt. through IPM
				Wheat	Low yield due to imbalance use of fertilizer	IPNM in Wheat
				Vegetables	Local variety, Imbalance fertilizer application, Infestation of pest	Introduction of HYV IPNM IPM

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Sugarcane	Mechanization of Sugarcane Crop, Intercropping with Sugarcane, IPNM, Weed management, IPM, IDM, Seed production,
Wheat	Mechanization of Wheat Crop, Integrated Nutrient Management, Weed management, IPM, IDM, Seed production, Foliar application of Micronutrients
Rice	Mechanization of Rice Crop, IPNM, Weed management, Hybrid rice, IPM, IDM, Seed production
Vegetables	IPNM & IPM
Oilseeds & Pulses crop	Balancing fertilizer with application of Sulphur, IDM& IPM
Animals	Dairy Establishment, Endo & Eco parasite control, Improving fertility and mineral mixture in feeding

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during Jan 2024 to December 2024

OFT (Technology Assessment)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
7	4	32	17	100	164.5	200	557

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	70	67	1400	1355	-	755	-	7474+ mass
Rural youth	05	02	50	20				
Extn. Functionaries	25	21	375	300				
Total	**100**	**90**	**1825**	**1675**	**-**	**755**	**-**	**7474+ mass**

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
-	-	-	20000	22575	KVK premises

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs (As per the approved Action Plan 2024 only)

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Integrated Nutrient Management	Chilli	INM in Chilli	05	05
	Sugarcane	Irrigation on the basis of soil moisture indicator	03	03
Resource Conservation Technology	Mango	Canopy management of mid-age mango orcahard (>25 years) through center opening	05	05
Total			**13**	**13**

In case of OFT not conducted, kindly mention the same and also given the reason.

Summary of technologies assessed under Fisheries by KVKs

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Composite Fish Culture	Fish	Catla: Silver Carp – 20:15 (35%), Rohu: Grass Carp – 25:10 (35%), Mrigal/ Nain: Common Carp – 15:15 (30%)	04	04
Total			**04**	**04**

I.B. TECHNOLOGY ASSESSMENT IN DETAIL

OFT -*INTEGRATED NUTRIENT MANAGEMENT*

Problem definition: *Lower yield of Chili*

Technology Assessed (as the case may be): Flower drop management in chilli. (Zaid-2024)

KVK, Muzaffarnagar-II conducted on-farm trial to assess the technology of integrated nutrient management by the application of effect of application of ***of NAA (20 ppm) after 30 days of transplanting along with micro nutrients*** *and found that the same had enhanced the yield by 11.17% compared to farmers practice. Date of transplanting: 01-03-2024 and Date of final harvesting: 28-06-2024*

Table Performance of Chilli to integrated nutrient management

Technology Option	**No. of trial**	**Flower drop (No./day)**	**Yield (q/ha)**	**Increase in yield (%)**	**Cost of cultivation (Rs)**	**Gross returns (Rs)**	**Net returns (Rs)**	**BC ratio (Rs)**
T_1: Local practice (Farmers Practice)	05	34.6	197.2	-	55000	216920	161920	3.94
T_2 : Application of NAA (20 ppm) after 30 days of transplanting along with micro nutrients		13.2	222.0	11.17	56000	244200	188200	4.36

OFT -*RESOURCE CONSERVATION*

Problem definition: Low productivity of mango varieties Dashaheri due to highly dense mango orchards

Technology Assessed (as the case may be): Centre opening + COC - 2kg + FYM, N, P, K, B, Zn and CuSO4 @ 50kg, 1000,750,750, 250, 250 and 250 gm/ tree/ year. (Rabi 2024-25)

KVK, Muzaffarnagar-II conducted on-farm trial to assess the technology of Centre opening of Mango tree along with balanced nutrition by the application of effect of application of ***COC - 2kg + FYM, N, P, K, B, Zn and CuSO4 @ 50kg, 1000,750,750, 250, 250 and 250 gm/ tree/ year****.*

Table Performance of Chilli to integrated nutrient management

Technology Option	**No. of trial**		**Yield (q/ha)**	**Increase in yield (%)**	**Cost of cultivation (Rs)**	**Gross returns (Rs)**	**Net returns (Rs)**	**BC ratio (Rs)**
T_1: (Farmers Practice) No pruning + Application of 2 kg DAP in the month of October	05							

T_2 : Centre opening + COC - 2kg + FYM, N, P, K, B, Zn and CuSO4 @ 50kg, 1000,750,750, 250, 250 and 250 gm/ tree/ year				RESULT AWAITED				


OFT - ***INTEGRATED NUTRIENT MANAGEMENT***

Problem definition: *Low yield due to flood irrigation in Sugarcane*

Technology Assessed (as the case may be): *Judicious use of water on the basis of soil moisture content.*

KVK, Muzaffarnagar-II ***assess*** *the technology of natural resource management by the use of soil moisture indicator in Sugarcane .*

Table Performance of irrigation on the basis of soil moisture content.

Technology Option	*No. of trials*	*Major parameter (No. of irrigation)*	*Results of indicators/ parameter)*	*Advantage (%) on parameters*	*Yield (t./ha)*	*Gross cost (Rs/lit)*	*Net Returns (Rs./lit)*	*B:C Ratio*
T_1: (Farmers Practice) Flood irrigation	*03*	*09*						
T_2 : Irrigation on the basis of soil moisture content		*06*	*RESULT AWAITED*					


OFT - ***COMPOSITE FISH CULTURE***

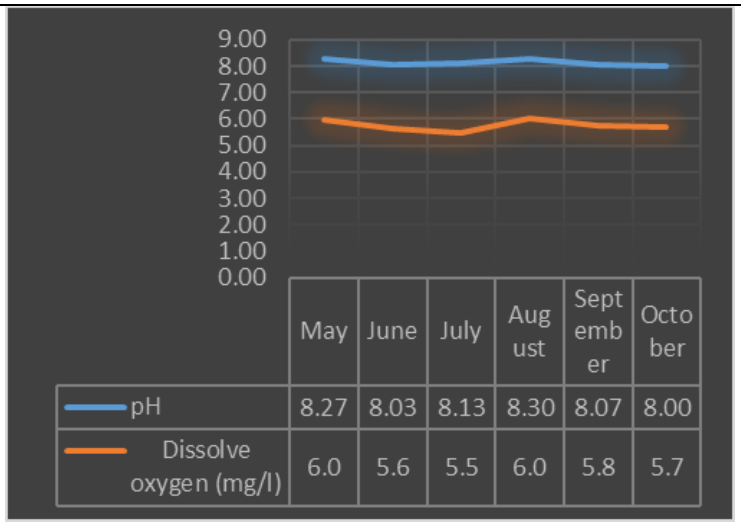
Problem definition: *Under-exploitation of fish in culture ponds/ extensive aquaculture*
Technology Assessed : *Catla: Silver Carp – 20:15 (35%), Rohu: Grass Carp – 25:10 (35%), Mrigal/ Nain: Common Carp – 15:15 (30%)*

KVK, Muzaffarnagar-II conducted on-farm trial to assess the ***all of the three water columns i.e. surface, column and bottom are not being utilized*** *in the fish pond. The trial was started in the month of May, 2024. Technology was disseminated to*

three different ponds on 3 different location (Village- Kamheda, Sambhalheda and Bhumma). Trial will be completed in the month of April, 2025 at the time of complete harvesting.

Result:

Technology Option	No. of trials	Area (ha.)	Parameters	Result	Economics		
					Total production (kg/ha)	Net Return (Rs)	BC Ratio
T1: (farmer's practice) Cultivating 1-3 fish species. (i.e. Catla, Rohu and Grass Carp)	04	0.4	• Water quality parameters • Total fish yield/ unit area • Benefit to the farmer in terms of cost				
T2: Catla: Silver Carp – 20:15 (35%) Rohu: Grass Carp – 25:10 (35%) Mrigal/ Nain: Common Carp – 15:15 (30%)		0.4	• Water quality parameters • Total fish yield/ unit area • Benefit to the farmer in terms of cost	RESULT AWAITED			



	May	June	July	August	September	October
pH	8.27	8.03	8.13	8.30	8.07	8.00
Dissolve oxygen (mg/l)	6.0	5.6	5.5	6.0	5.8	5.7

Till date (25-12-2024) no disease reported and final result will be in April, 2025

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2024-25 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Sugarcane	IPM	Trichocard	Demonstrations and trainings	33	332	400.0
2	Sugarcane	INM	Micronutrients	Field Demonstrations	16	161	200.0
3	Rice	Weed Management	Bispyriback Sodium	Field Demonstrations	04	24	35.00

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

b. Details of FLDs implemented during Jan 2024 to December 2024

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

S.N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
	OILSEEDS									
1	Mustard	Varietal evaluation	Use of improved variety of Mustard (RH 749) with balanced fertilization	Rabi 2023-24	20. 0	28.0	0	56	56	-
2	Mustard	Varietal evaluation	Use of improved variety of Mustard (RH 761) with balanced fertilization	Rabi 2024-25	20.0	90.0	5	216	221	-
	PULSES									
1	Blackgram	Varietal evaluation	Use of improved variety IPU-11-02	Zaid-2024	10.0	10.0	02	29	31	-
2	Lentil	Varietal evaluation	Improved variety KL8-345	Rabi 2023-24	10.0	6.3	04	31	35	-
	CEREALS									
1	Wheat	Varietal evaluation	Timely sown wheat variety DBW 222	Rabi 2023-24	4.0	4.0	01	13	14	-
2	Wheat	Varietal evaluation	Late sown wheat variety K-1317	Rabi 2023-24	4.0	4.0	0	10	10	-

	CASH CROPS									
1	Sugarcane	IPM	Use of Trichocard	Kharif-2023	40.0	40.0	09	66	75	-
2	Sugarcane	IPM	Application of Nano DAP in Sugarcane	Kharif-2023	0.6	0.6	0	03	03	-
	HORTICULTURAL CROPS									
1	Onion	Varietal evaluation	Improved variety i.e. Bhima Shakti	Rabi 2023-24	0.5	0.5	0	10	10	-
2	Onion	Varietal evaluation	Improved variety i.e. Bhima Shakti	Rabi 2024-25	0.5	0.8	0	10	10	-
3	Okra	Varietal evaluation	Improved variety i.e. Kashi Chaman	Zaid 2024	1.5	1.5	0	10	10	-
4	Vegetable Pea	Varietal evaluation	Improved variety of vegetable pea i.e. Kashi Nandni	Rabi 2024-25	0.5	0.8	0	10	10	-
	OTHER ENTERPRISE									
1	Vegetables	Food Security	Growing of seasonal vegetables and fruits	Rabi 2023-24	-	-	0	15	15	-
2	Vegetables	Food Security	Growing of seasonal vegetables and fruits	Zaid 2024	-	-	0	20	20	-
3	Vegetables	Food Security	Growing of seasonal vegetables and fruits	Rabi 2024-25	-	-	0	20	20	-
4	Sugarcane	Drudgery reduction	Use of Protective gloves during sugarcane harvesting	Rabi 2023-24	-	-	0	20	20	-
5	Fish	Health management	Use of Waltermin powder @ 20kg/ha to increase minerals and nutrients in water and soil.	-	2.0	2.0	0	13	13	-
6	Fish	Health management	Use of Waltermin powder @ 20kg/ha to increase minerals and nutrients in water and soil.	-	2.0	2.0	0	30	30	-

7	Fish	Water quality improvement	Use of Plankton Net to assess water quality of the fish pond	-	2.0	2.0	0	10	10	
				Total	**97.6**	**164.5**	**21**	**536**	**557**	

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 2023-24	Irrigated	Sandy Loam	0.36	32	228	Fodder/ Rice	03-29 Oct., 2023	28 Feb. to 21 Mar. 2024	-	-
Mustard	Rabi 2024-25	Irrigated	Sandy Loam	0.36	32	228	Fodder/ Rice	12-28 Oct., 2024	Crop standing	-	-
Blackgram	Zaid 2024	Irrigated	Sandy Loam	0.37	31	232	Sugarcane	28 Feb, to 24 Mar., 2024	02-05 June, 2024	-	-
Lentil	Rabi 2023-24	Irrigated	Sandy Loam	0.37	31	232	Paddy & Jowar	29 Oct. to 11 Nov., 2023	01 to 07 April, 2024	-	-
Wheat	Rabi 2023-24	Irrigated	Sandy Loam	0.39	26	214	Fodder	01-23 Nov. 2023	09-14 Apr. 2024	-	-
Wheat	Rabi 2023-24	Irrigated	Sandy Loam	0.37	31	232	Fodder	20 Nov. to 02 Dec. 2023	17-21 Apr. 2024	-	-
Sugarcane	Kharif-2023	Irrigated	Sandy Loam	0.40	38	213	Mustard/ Wheat	02-11 April, 2023	Feb. to Mar. 2024	-	-
Sugarcane	Kharif-2023	Irrigated	Sandy Loam	0.40	38	213	Mustard/ Wheat	02-11 April, 2023	Feb. to Mar. 2024	-	-
Onion	Rabi 2023-24	Irrigated	Sandy Loam	0.40	38	213	Paddy	20-24 Nov., 2023	22-31 May, 2024	-	-
Onion	Rabi 2024-25	Irrigated	Sandy Loam	0.40	38	213	Paddy	23-28 Nov., 2024	Crop standing	-	-
Okra	Zaid 2024	Irrigated	Sandy Loam	0.40	38	213	-	20-28 Feb., 2023	Crop standing	-	-
Vegetable pea	Rabi 2024-25	Irrigated	Sandy Loam	0.40	38	213	Paddy	23-28 Nov., 2024	Crop standing	-	-

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

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

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

Extension and Training activities under FLD

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

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Variety	Name of Technology	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. etc as approved in the action plan)	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 2023-24)	RH-749	Use of improved variety of Mustard (RH 749) with balanced fertilization	56	28.0	• No. of branch per plant • No. of seed per pod	21 17	15 15	19 16	17 15	11.76 6.66	24.5	15.5	20.0	18.5	8.10	29000	109000	80000	3.75	29000	100825	71828	3.47
Mustard (Rabi 2024-25)	RH-761	Use of improved variety of Mustard (RH 761) with balanced fertilization	221	90.0	RESULT AWAITED																		

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

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

S. No	**Feed Back for researchers**	**Feedback for line department**
1	Height of plant of RH-761 variety is more (145 – 155 cm) as compared to local variety.	RH-761 Variety is good but delayed sowing badly effects on yield and branching pattern.

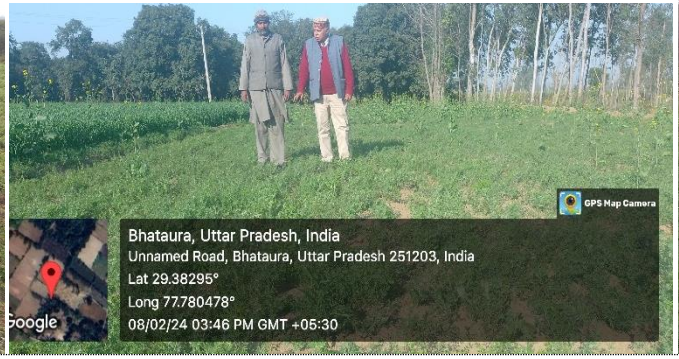
Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	RH-761 : Higher potential yield (up to 26 qtl/ha) with moderate duration i.e. 141-152 days.

Frontline demonstration on pulse crops

Crop	**Variety**	**Name of Technology**	**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)**
Blackgram																							
Zaid-2024	IPU-11-02	Use of improved variety IPU-11-02	31	10.0	• No. of pods per plant • No. of grain per pod	38 12	35 10	36 11	36 10	5.5 10.0	10.25	7.5	9.5	8.0	28.12	27000	70300	43300	2.60	27000	55500	28500	2.05

Lentil																							
Lentil (Rabi 2023-24)	KL 8-345	Use of improved variety KL 8-345	35	6.3	No. of pods per plant	39	31	37	34	8.8	10.5	8.5	9.5	8.0	18.75	**29000**	**57000**	**28000**	**1.96**	**29000**	**48000**	**19000**	**1.65**



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

S. No	**Feed Back for researchers**	**Feedback for line department**
1	Black gram IPU-11-02: Uniform maturity and very low infestation mosaic	Highly suitable in kharif sowing especially in-between fodder and wheat as a catch crop

Technical feedback on specific technologies demonstrated in FLDs

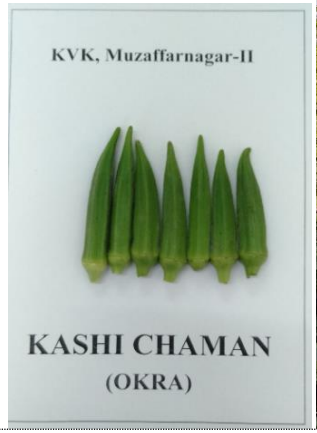
S. No	**Feed Back**
1	Bad planting method is proper to get higher yield and minimizing the bad effects of flood irrigation

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					**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)**
Cereals																								
Wheat Timely sown																								

Rabi 2023-24	VE	Timely sown wheat variety DBW 222	DBW 222	14	4.0	• No. of plants/sq mt.) • No. of grains per ear	57 88	49 82	54 84	50 81	8.0 3.7	52.5	49.0	50.2	45.3	10.81	41000	114205	72405	2.78	41800	103058	61258	2.46
Wheat Late Sown																								
Rabi 2023-24	VE	Late sown wheat variety K-1317	K-1317	08	4.0	• No. of plants/sq mt.) • No. of grains per ear						50.3	40.5	45.4	36.9	18.7	42000	99875	57875	2.38	42000	88175	46175	2.10
Commercial Crops																								
Sugarcane																								
	IPM	Application of Trichocard for control of Borer	CoS 0238	75	40.0	• No. of tillers per plant • No. of plants/sqmt	8 26	7 24	7.5 25	7.5 25	- -	725	550	680	640	6.25	125000	251600	126600	2.01	135000	236800	101800	1.75
	INM	Application of Nano DAP in Sugarcane	CoS 0238	03	0.6	• No. of tillers per plant • No. of plants/sqmt	9 27	7 21	8.5 24	7.5 23	13.33 4.30	710	650	680	650	4.61	115000	251600	136600	2.18	115000	240500	125500	2.09

Vegetables																							
Vegetable pea																							
Rabi 2024-25	VE	Improved variety of vegetable pea i.e. Kashi Nandni	Kashi Nandni	10	0.8	**RESULT AWAITED**																	
Okra																							
Zaid 2024	VE	Improved variety of okra i.e. Kashi chaman	Kashi chaman	10	1.5	• Fruit length (cm)	15	10.5	12.75	13.00	13.33	160	140	150	125	16.67	45000	187500	142500	4.16	45000	156250	111250	3.47



Onion																							
Rabi 2023-24	VE	Improved variety of Onion i.e. Bhima Shakti	Bhima Shakti	10	0.5	• Duration (days) • Bulb diameter (cm)	136 6.5	126 5.0	131 6.0	158 5.0	-20.6 16.7	358	291	324.5	295	9.1	150000	572800	422400	3.81	150000	465400	315400	3.10
Rabi 2024-25	VE	Improved variety of Onion i.e. Bhima Shakti	Bhima Shakti	10	0.8	RESULT AWAITED																		

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

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

S. No	Feed Back for researchers	Feedback for line department
1	Dual bulb problem can be improved in onion variety Bhima Shakti	Uniform neck fall and good storability (5-6 months) in onion variety Bhima Shakti

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	Onion variety Bhima Shakti having high yield, good colour, uniform neckfall and very good storability

FLD on Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Composite fish culture																	
	Health management	Use of Waltermin powder @ 20kg/ha to increase minerals and nutrients in water and soil.	13	13	Mortality	Mortality	79.78 % survival	Growth - 714.58 ±13gm weight gain	Growth – 496.67±8 gm weight gain	119883	424453	304570	2.31	108576	248240	139664	1.11
	Health management	Use of Waltermin powder @ 20kg/ha to increase minerals and nutrients in water and soil.	30	30	Mortality	Mortality	**RESULT AWAITED**										
	Water quality improvement	Use of Plankton Net to assess water quality of the fish pond	10	10	Number of planktons	Number of planktons	**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	Waltermin powder is a vit-mineral mixture which shows promising result in the case of mortality reduction	More of the awareness programs and schemes should come up for the farmers to understand the role of vit- mineral mixture

Technical feedback on specific technologies demonstrated in FLDs

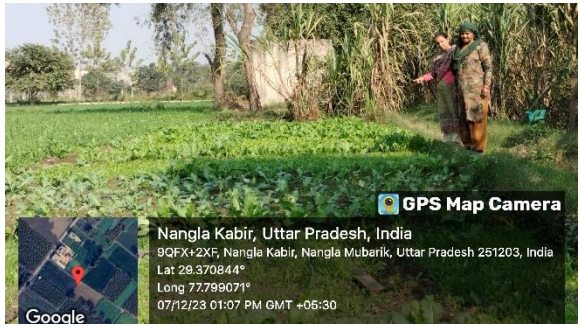
S. No	**Feed Back**
1	Waltermin powder should be mixed with feed and given to fishes to decrease mortality rate and increase the growth rate

FLD on Other Enterprise: Kitchen Gardening

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Yield (Kg/100m^2)		% 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)
Nutritional garden (Rabi 2023-24)	Food security	Growing of seasonal vegetables and fruits	15	15	91	80	13.75	• Regular supply of vegetables • Chemical free vegetable • Saving Rs 50 /day • Nutrient rich diet	• Irregular supply of vegetables • Mostly contain chemical & pesticide residue • Extra expenditure • Less nutrient rich diet	27500	100100	88000	3.64	27000	72600	60500	3.20
Nutritional garden (Zaid -2024)	Food security	Growing of seasonal vegetables and fruits	20	20	88	79	11.39	• Regular supply of vegetables • Chemical free vegetable • Saving Rs 95 /day • Nutrient rich diet	• Irregular supply of vegetables • Mostly contain chemical & pesticide residue • Extra expenditure • Less nutrient rich diet	28500	133000	104500	4.66	27000	71000	44000	2.63
Nutritional garden (Rabi 2024-25)	Food security	Growing of seasonal vegetables and fruits	20	20	-	-	RESULT AWAITED	•	•								







Farmer's field of nutritional garden

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

S. No	**Feed Back for researchers**	**Feedback for line department**
1	The family consumed fresh and organic vegetables in sufficient amount.	Involvement of women should be ensured in production as well as cooking
2	Other neighboring female also got motivated to set up their own kitchen garden	
3	The extra expenditure to procure vegetable reduces which lead to more saving	

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	With a little expenditure on seeds the family got good quality of vegetables throughout the season.

FLD on Other Enterprise: Drudgery reduction

Category and Crop	**Thematic area**	**Name of the technology demonstrated**	**No. of Farmer**	**No. of Units**	**Other parameters**	
					Demo	**Check**
Sugarcane	Drudgery reduction	Use of Protective gloves during sugarcane harvesting	20	20	• Comfort during work • Enhance work efficiency • Minimum work hazard	• Uncomfortable working conditions • Reduce work efficiency • May lead to work hazard

Without Protective gloves

Use of Protective gloves during sugarcane harvesting

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

S. No	**Feed Back for researchers**	**Feedback for line department**
1	Colour of the gloves is white which get dirty so there is need to clean them frequently.	It should be promoted among sugarcane growers.

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	Plastic coating can be done on the fabric so as to increase its durability and wash fastness.

III. Natural Farming

1) Crop Harvesting Details

Name of KVK	Crop Details Under Demonstration										Date of Sowing	Date of Harvesting
	Natural farming					Farmer's Practice						
	Name of Crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)	Name of crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)		
KVK, Muzaffarnagar-II	Mustard	RH-749	0.05	13.4	24500	Mustard	RH-749	0.4	16.5	28000	17.11.2023	13.03.2024
KVK, Muzaffarnagar-II	Wheat	DBW-173	0.4	37	40000	Wheat	DBW-173	0.4	39	42000	26.11.2023	18.04.2024
KVK, Muzaffarnagar-II	Wheat	DBW-173	0.4	38.5	41000	Wheat	DBW-173	0.4	39.5	42500	29.11.2023	17.04.2024
KVK, Muzaffarnagar-II	Wheat	DBW-173	0.4	39	405800	Wheat	DBW-173	0.4	40	43000	02.12.2023	26.04.2024
KVK, Muzaffarnagar-II	Wheat	DBW-173	0.4	37.5	40000	Wheat	DBW-173	0.4	41	43000	21.11.2023	19.04.2024
KVK, Muzaffarnagar-II	Wheat	DBW-173	0.4	34	42000	Wheat	DBW-173	0.4	40	44000	27.11.2023	24.04.2024

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.)
KVK, Muzaffarnagar-II	01 (Chemical)		14.0	120	0.37									
KVK, Muzaffarnagar-II	02 (Natural)		13.5	110	0.37									
KVK, Muzaffarnagar-II	03 (Organic)		13.5	120	0.37									

3) Details of Demonstrations Conducted under Natural Farming Project

S. No.	Name of KVK	Name of village	Name of farmer	Mobile no. of farmer	Area under demonstration on Natural Farming (ha)
1	KVK, Muzaffarnagar-II	KVK farm	KVK farm	8392955124	0.05
2	KVK, Muzaffarnagar-II	Ghatayan	Anil Kumar	8445635509	0.4
3	KVK, Muzaffarnagar-II	Rataur	Chander Shekhar	7895408388	0.4
4	KVK, Muzaffarnagar-II	Pal	Shyam Pal	9152847112	0.4
5	KVK, Muzaffarnagar-II	Behda	Rakesh Kumar	9897984518	0.4
6	KVK, Muzaffarnagar-II	Nangla Kabir	Naveen Kumar	9639843966	0.4

4) Information of Farmers already Practicing Natural Farming

Sl. No.	Name of the District	Name of the Farmers	No. of desi (indigenous) cows	Land holding (ha)	Crops Grown	No. of Years in Natural Farming	Area Covered under Natural Farming	Crops Grown under Natural Farming	Any significant achievements under natural farming
1	KVK, Muzaffarnagar-II	Yogesh Kumar	01	1.75	Sugarcane, Wheat, Mustard	07	1.75	Sugarcane, Wheat, Mustard	Marketing of value added products like sugarcane juice, kulfi, jaggery and jaggery powder
2	KVK, Muzaffarnagar-II	Devesh Arya	03	3.20	Sugarcane, Wheat, Mustard	08	3.2	Sugarcane, Wheat, Mustard	Marketing of value added roducts like jaggery and jaggery powder
3	KVK, Muzaffarnagar-II	Rakesh Kumar	02	2.50	Sugarcane, Paddy, Wheat	06	1.5	Sugarcane, Paddy, Wheat, Mustard	Marketing of value added roducts like jaggery and jaggery powder and rice

5) Natural Farming Nodal officer & Associate Name

S.No.	Name of KVK	Name of Head/SMS	Discipline/Subject	Mobile No.
1	KVK, Muzaffarnagar-II	Dr. Hansraj Singh, Professor & Head	Agronomy	9411263753
2	KVK, Muzaffarnagar-II	Sh. Sanjeev Kumar, Programme Asstt./Farm Manager	Agronomy / Nodal Officer	8392955124

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.)
KVK, Muzaffarnagar-II	01 (Chemical)		14.0	120	0.37									
KVK, Muzaffarnagar-II	02 (Natural)		13.5	110	0.37									
KVK, Muzaffarnagar-II	03 (Organinc)		13.5	120	0.37									

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	Improved production technique of sugarcane, Improved package of practice in rice	02	35	0	35	05	0	05	40	0	40
Total		**02**	**35**	**0**	**35**	**05**	**0**	**05**	**40**	**0**	**40**
II Horticulture											
a) Vegetable Crops											
Off-season vegetables	Off season vegetable production	01	18	0	18	02	0	02	20	0	20
b) Ornamental Plants											
Export potential of ornamental plants	Improved production technique of commercial flowers	01	18	0	18	02	0	02	20	0	20
Total		**02**	**36**	**0**	**36**	**04**	**0**	**04**	**40**	**0**	**40**
V Home Science/Women empowerment											
Processing and cooking	Processing value addition of millets	01	0	17	17	0	03	03	0	20	20
Others (Quality control)	Food adulteration & its testing at house hold level	01	0	18	18	0	02	02	0	20	20
Total		**02**	**0**	**35**	**35**	**0**	**05**	**05**	**0**	**40**	**40**
VIII Fisheries											
Breeding and culture of ornamental fishes	Aquarium construction	01	03	17	20	0	0	0	03	17	20
Fish processing and value addition	Production of fish products	01	0	28	28	0	0	0	0	28	28
Total		**02**	**03**	**45**	**48**	**0**	**0**	**0**	**03**	**45**	**48**
X Capacity Building and Group Dynamics											
Group dynamics	Promotion of FPO and preparation of business plan for FPO	01	19	0	19	02	0	02	21	0	21
Formation and Management of SHGs	Organization of SHG and farmers club	01	18	0	18	02	0	02	20	0	20
Total		**02**	**37**	**0**	**37**	**02**	**0**	**02**	**41**	**0**	**41**
GRAND TOTAL		**10**	**111**	**80**	**191**	**11**	**5**	**16**	**124**	**85**	**209**

Farmers' Training including sponsored training programmes (off campus)

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of courses	Participants								
			Others			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production											
Weed Management	Weed management in summer pulses, Integrated weed management in sugarcane	02	36	0	36	04	0	04	40	0	40
Crop Diversification	Crop diversification with inclusion of legume in cropping system	01	18	0	18	02	0	02	20	0	20
Integrated Farming	Integrated farming system	01	17	0	17	03	0	03	20	0	20
Integrated Crop	Integrated crop	03	54	0	54	06	0	06	60	0	60

Management	management of autumn sugarcane, Improved planting technique of Kharif pulse										
Soil & water conservation	Role of Green manure in soil health	01	18	0	18	02	0	02	20	0	20
Integrated nutrient management	Role of sulphur in oilseed crop, Role of mulching in sugarcane, Foliar fertilization in Kharif pulse	03	54	0	54	06	0	06	60	0	60
Production of organic inputs	Vermi-compost production technique, Importance of Bio-fertilizer in crop production	02	36	0	36	04	0	04	40	0	40
Total		**13**	**233**	**0**	**233**	**27**	**0**	**27**	**260**	**0**	**260**
II Horticulture											
a) Vegetable Crops											
Off-season vegetables											
Nursery raising	Nursery raising of vegetable in rainy season, Virus free nursery raising of vegetable crops	02	36	0	36	04	0	04	40	0	40
Others (Production techniques of vegetables)	Improved production technique of okra, Production technique of onion, Scientific cultivation of potato	03	54	0	54	06	0	06	60	0	60
Total (a)		**05**	**90**	**0**	**90**	**10**	**0**	**10**	**100**	**0**	**100**
b) Fruits											
Training and Pruning	Training and pruning of fruit crops	01	17	0	17	03	0	03	20	0	20
Layout and Management of Orchards	Layout and management of orchard	01	18	0	18	02	0	02	20	0	20
Cultivation of Fruit	Dragon fruit cultivation	01	17	0	17	03	0	03	20	0	20
Management of young plants/orchards	Crop regulation in guava, Importance and use of mulching in fruit crops	02	36	0	36	04	0	04	40	0	40
Total (b)		**05**	**88**	**0**	**88**	**12**	**0**	**12**	**100**	**0**	**100**
c) Ornamental Plants											
Export potential of ornamental plants	Improved production technique of export potential flowers	01	18	0	18	02	0	02	20	0	20
Total (c)		**01**	**18**	**0**	**18**	**02**	**0**	**02**	**20**	**0**	**20**
g) Medicinal and Aromatic Plants											
Production and management technology	Importance and production of medicinal and aromatic plants	01	17	0	17	03	0	03	20	0	20
Total (g)		**01**	**17**	**0**	**17**	**03**	**0**	**03**	**20**	**0**	**20**
GT (a-g)		**12**	**213**	**0**	**213**	**27**	**0**	**27**	**240**	**0**	**240**
III Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Importance of Millets & their nutritive value	01	0	19	19	0	01	01	0	20	20
Designing and development for high nutrient efficiency diet	Dietary supplements: its need and importance,	02	0	36	36	0	04	04	0	40	40

	Importance of vitamin & minerals in diet										
Minimization of nutrient loss in processing	Minimization of nutrient loss in processing	01	0	18	18	0	02	02	0	20	20
Women empowerment	Women empowerment through entrepreneurship development, Awareness on digitalization	02	0	36	36	0	04	04	0	40	40
Location specific drudgery reduction technologies	Reduction of time & drudgery by the use of improved agricultural implements, Different work simplification techniques at household level, Importance of work ergonomics	03	0	54	54	0	06	06	0	60	60
Women and child care	Awareness on deficiency diseases in women, Importance of immunization and its schedule, Importance of cleanliness in our daily life and air borne diseases	03	0	53	53	0	07	07	0	60	60
Total		**12**	**0**	**216**	**216**	**0**	**24**	**24**	**0**	**240**	**240**
IV Plant Protection											
Integrated Pest Management	Judicious use of agricultural chemicals, Application of Tricho-cards in Sugarcane to control the borer, Application of bio products in agriculture	03	54	0	54	06	0	06	60	0	60
Total		**03**	**54**	**0**	**54**	**06**	**0**	**06**	**60**	**0**	**60**
V Fisheries											
Integrated fish farming	Integrated fish cum horticulture farming	01	0	13	13	0	08	08	0	20	20
Carp breeding and hatchery management	Fish seed production	01	0	18	18	0	02	02	0	20	20
Composite fish culture	Types of commercially important cultured fishes Types and various sources of fish feed Prophylactic and treatment measures of various fish diseases Aquaculture pond management	04	51	20	71	0	15	15	51	35	86
Fish processing and value addition	Fish post-harvest techniques	01	14	0	14	06	0	06	20	0	20
Others (pl specify)	Fish marketing strategy	02	20	20	40	0	0	0	20	20	40
Total		**09**	**85**	**71**	**156**	**6**	**25**	**31**	**91**	**95**	**186**
VI Capacity Building and Group Dynamics											
Group dynamics											
Formation and	Formation of FPO,	02	36	0	36	04	0	04	40	0	40

Management of SHGs	Organization of SHG and farmers club ,										
Entrepreneurial development of farmers/youths	Preparation of business plan for FPO	02	36	0	36	04	0	04	40	0	40
Others (Capacity building for ICT application)	Use of mobile app in agri information, Role of ICT in agriculture, E-marketing in agriculture, Information technology in E-Agri marketing	04	70	0	70	10	0	10	80	0	80
Total		**08**	**142**	**0**	**142**	**18**	**0**	**18**	**160**	**0**	**160**
GRAND TOTAL		**57**	**723**	**313**	**990**	**117**	**38**	**129**	**822**	**324**	**1146**

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

Thematic area (May be specific to any given KVK)	**Actual Title of training conducted**	**No. of courses**	**Participants**								
			Others			**SC/ST**			**Grand Total**		
			Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
I Crop Production											
Weed Management	Weed management in summer pulses, Integrated weed management in sugarcane	02	36	0	36	04	0	04	40	0	40
Crop Diversification	Crop diversification with inclusion of legume in cropping system	01	18	0	18	02	0	02	20	0	20
Integrated Farming	Integrated farming system	01	17	0	17	03	0	03	20	0	20
Integrated Crop Management	Integrated crop management of autumn sugarcane, Improved planting technique of Kharif pulse, Improved production technique of sugarcane, Improved package of practice in rice	05	91	0	01	09	0	09	100	0	100
Soil & water conservatioin	Role of Green manure in soil health	01	18	0	18	02	0	02	20	0	20
Integrated nutrient management	Role of sulphur in oilseed crop, Role of mulching in sugarcane, Foliar fertilization in Kharif pulse	03	54	0	54	04	0	04	60	0	60
Production of organic inputs	Vermi-compost production technique, Importance of Bio-fertilizer in crop production	02	36	0	36	04	0	04	40	0	40
Total		**15**	**270**	**0**	**180**	**28**	**0**	**28**	**300**	**0**	**300**
II Horticulture											
a) Vegetable Crops											
Off-season vegetables	Off-season vegetables production	01	18	0	18	02	0	02	20	0	20
Nursery raising	Nursery raising of vegetable in rainy season, Virus free nursery raising of vegetable crops	02	36	0	36	04	0	04	40	0	40
Others (Production techniques of	Improved production technique of okra,	03	54	0	54	04	0	04	60	0	60

vegetables)	Production technique of onion, Scientific cultivation of potato										
Total (a)		**06**	**108**	**0**	**108**	**10**	**0**	**10**	**120**	**0**	**120**
b) Fruits											
Training and Pruning	Training and pruning of fruit crops	01	17	0	17	03	0	03	20	0	20
Layout and Management of Orchards	Layout and management of orcard	01	18	0	18	02	0	02	20	0	20
Cultivation of Fruit	Dragon fruit cultivation	01	17	0	17	03	0	03	20	0	20
Management of young plants/orchards	Crop regulation in guava, Importance and use of mulching in fruit crops	02	36	0	36	04	0	04	40	0	40
Total (b)		**05**	**88**	**0**	**88**	**12**	**0**	**12**	**100**	**0**	**100**
c) Ornamental Plants											
Export potential of ornamental plants	Improved production technique of export potential flowers	01	18	0	18	02	0	02	20	0	20
Export potential of ornamental plants	Improved production technique of commercial flowers	01	18	0	18	02	0	02	20	0	20
Total (c)		**02**	**36**	**0**	**36**	**04**	**0**	**04**	**40**	**0**	**40**
g) Medicinal and Aromatic Plants											
Production and management technology	Importance and production of medicinal and aromatic plants	01	17	0	17	03	0	03	20	0	20
Total (g)		**01**	**17**	**0**	**17**	**03**	**0**	**03**	**20**	**0**	**20**
GT (a-g)		**14**	**249**	**0**	**249**	**29**	**0**	**29**	**280**	**0**	**280**
III Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Importance of Millets & their nutritive value	01	0	19	19	0	01	01	0	20	20
Designing and development for high nutrient efficiency diet	Dietary supplements: its need and importance, Importance of vitamin & minerals in diet	02	0	36	36	0	04	04	0	40	40
Minimization of nutrient loss in processing	Minimization of nutrient loss in processing	01	0	18	18	0	02	02	0	20	20
Women empowerment	Women empowerment through entrepreneurship development, Awareness on digitalization	02	0	36	36	0	04	04	0	40	40
Location specific drudgery reduction technologies	Reduction of time & drudgery by the use of improved agricultural implements, Different work simplification techniques at household level, Importance of work ergonomics	03	0	54	54	0	06	06	0	60	60
Women and child care	Awareness on deficiency diseases in women, Importance of immunization and	03	0	53	53	0	07	07	0	60	60

	its schedule, Importance of cleanliness in our daily life and air borne diseases										
Processing and cooking	Processing value addition of millets	01	0	17	17	0	03	03	0	20	20
Others (Quality control)	Food adulteration & its testing at house hold level	01	0	18	18	0	02	02	0	20	20
Total		**14**	**0**	**251**	**251**	**0**	**29**	**29**	**0**	**280**	**280**
IV Plant Protection											
Integrated Pest Management	Judicious use of agricultural chemicals, Application of Tricho-cards in Sugarcane to control the borer, Application of bio products in agriculture	03	54	0	54	04	0	04	60	0	60
Total		**03**	**54**	**0**	**54**	**04**	**0**	**04**	**60**	**0**	**60**
V Fisheries											
Integrated fish farming	Integrated fish cum horticulture farming	01	0	13	13	0	08	08	0	20	20
Carp breeding and hatchery management	Fish seed production	01	0	18	18	0	02	02	0	20	20
Composite fish culture	Types of commercially important cultured fishes Types and various sources of fish feed Prophylactic and treatment measures of various fish diseases Aquaculture pond management	04	47	46	27	35	04	13	62	24	86
Breeding and culture of ornamental fishes	Aquarium construction	01	3	17	20	0	0	0	3	17	20
Fish processing and value addition	Production of fish products	01	0	28	28	0	0	0	0	28	28
	Fish post-harvest techniques	01	14	0	14	6	0	6	20	0	20
Others (pl specify)	Fish marketing strategy	02	20	20	40	0	0	0	20	20	40
Total		**11**	**84**	**142**	**226**	**41**	**14**	**29**	**105**	**129**	**234**
VI Capacity Building and Group Dynamics											
Group dynamics	Formation of FPO and Preparation of business plan for FPO	01	19	0	19	02	0	02	21	0	21
Formation and Management of SHGs	Formation of FPO, Organization of SHG and farmers club ,	03	54	0	54	06	0	06	60	0	60
Entrepreneurial development of farmers/youths	Preparation of business plan for FPO	02	36	0	36	04	0	04	40	0	40
Others (Capacity building for ICT application)	Use of mobile app in agri information, Role of ICT in agriculture, E-marketing in agriculture, Information technology in E-Agri marketing	04	70	0	70	10	0	10	80	0	80
Total		**10**	**179**	**0**	**179**	**22**	**0**	**22**	**201**	**0**	**201**
GRAND TOTAL		**67**	**836**	**393**	**1139**	**124**	**43**	**141**	**946**	**409**	**1355**

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
Value addition	Value addition of millets products	01	0	10	10	0	0	0	0	10	10
Composite fish culture	Aquaculture practices (fingerlings to table size)	01	09	0	09	01	0	01	10	0	10
TOTAL		**02**	**09**	**10**	**19**	**01**	**0**	**01**	**10**	**10**	**20**

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
Value addition	Value addition of millets products	01	0	10	10	0	0	0	0	10	10
Composite fish culture	Aquaculture practices (fingerlings to table size)	01	09	0	09	01	0	01	10	0	10
TOTAL		**02**	**09**	**10**	**19**	**01**	**0**	**01**	**10**	**10**	**20**

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

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

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	"GAP" for higher crop productivity and profitability	01	15	0	15	0	0	0	15	0	15
Integrated Pest Management	IPM in Rice, IPM in Pulses, Result and method demonstration	03	40	0	40	05	0	05	45	0	45
Integrated Nutrient management	Integrated nutrient management of Sugarcane, Site specific nutrient management in Sugarcane	02	26	0	26	04	0	04	30	0	30
Rejuvenation of old orchards	Rejuvenation of old and senile mango orchard	01	15	0	15	0	0	0	15	0	15
Protected cultivation technology	Production of high value and low volume vegetables, Judicious use of irrigation water in horticultural crops	02	26	0	26	04	0	04	30	0	30
Women and child care	Awareness on causes, diagnose and precautionary measures for breast cancer.	01	0	14	14	0	01	01	0	15	15
Value addition	Processing and value addition of millets	01	0	15	15	0	0	0	0	15	15
Household food security	Role of kitchen garden in nutritive diet	01	0	13	13	0	02	02	0	15	15
Design and development for high nutrient efficiency diet	Importance of balanced diet, Bio-fortified varieties of crops and vegetables and their importance	02	0	28	28	0	02	02	0	30	30
Formation and Management of SHGs	Constitution of Self Help Group	01	15	0	15	0	0	0	15	0	15

Capacity building for ICT application	Role of ICT in Agriculture, Application of mobile app in agriculture	02	26	0	26	04	0	04	30	0	30
Any other (Integrated Crop Management)	Management of sugarcane ratoon	01	15	0	15	0	0	0	15	0	15
Any other (pl.specify)	Integrated fish cum agriculture farming	01	0	12	12	0	0	0	0	12	12
Any other (Production of high value and low volume vegetables)	Production of vegetables in low cost poly house	01	15	0	15	0	0	0	15	0	15
Any other (Off- season vegetable)	Off- season vegetable production	01	15	0	15	0	0	0	15	0	15
TOTAL		**21**	**208**	**82**	**290**	**17**	**5**	**22**	**225**	**87**	**300**

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

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	"GAP" for higher crop productivity and profitability	01	15	0	15	0	0	0	15	0	15
Integrated Pest Management	IPM in Rice, IPM in Pulses, Result and method demonstration	03	40	0	40	05	0	05	45	0	45
Integrated Nutrient management	Integrated nutrient management of Sugarcane, Site specific nutrient management in Sugarcane	02	26	0	26	04	0	04	30	0	30
Rejuvenation of old orchards	Rejuvenation of old and senile mango orchard	01	15	0	15	0	0	0	15	0	15
Protected cultivation technology	Production of high value and low volume vegetables, Judicious use of irrigation water in horticultural crops	02	26	0	26	04	0	04	30	0	30
Women and child care	Awareness on causes, diagnose and precautionary measures for breast cancer.	01	0	14	14	0	01	01	0	15	15
Value addition	Processing and value addition of millets	01	0	15	15	0	0	0	0	15	15
Household food security	Role of kitchen garden in nutritive diet	01	0	13	13	0	02	02	0	15	15
Design and development for high nutrient efficiency diet	Importance of balanced diet, Bio-fortified varieties of crops and vegetables and their importance	02	0	28	28	0	02	02	0	30	30
Formation and Management of SHGs	Constitution of Self Help Group	01	15	0	15	0	0	0	15	0	15
Capacity building for ICT application	Role of ICT in Agriculture, Application of mobile app in agriculture	02	26	0	26	04	0	04	30	0	30
Any other (Integrated Crop Management)	Management of sugarcane ratoon	01	15	0	15	0	0	0	15	0	15
Any other (pl.specify)	Integrated fish cum agriculture farming	01	0	12	12	0	0	0	0	12	0
Any other (Production of high value and low volume vegetables)	Production of vegetables in low cost poly house	01	15	0	15	0	0	0	15	0	15
Any other (Off- season vegetable)	Off- season vegetable production	01	15	0	15	0	0	0	15	0	15
TOTAL		**21**	**208**	**82**	**290**	**17**	**5**	**22**	**225**	**87**	**300**

Table. Sponsored training programmes : Nil

Name of sponsoring agencies involved

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	415	512	13	535
Diagnostic visits	92	126	04	130
Field Day	05	187	0	187
Group discussions	22	355	12	367
Kisan Ghosthi	08	655	52	707
Self -help groups	04	166	22	188
Kisan Mela (Participation)	07	1109	82	1191
Kisan Mela (Organized)	01	408	26	434
Exhibition	01	mass	mass	mass
Scientists' visit to farmers field	142	283	13	296
Farmers' seminar/workshop	01	30	04	34
Method Demonstrations	07	112	09	121
Celebration of important days	04	373	10	383
Special day celebration	02	286	22	308
Exposure visits	11	476	0	476
Others (Awareness programme)	04	212	07	219
Others (IPL Closing ceremony 2024)	01	89	09	98
Total	**727**	**5379**	**285**	**5674**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	0
Extension Literature	0
News paper coverage	18
Popular articles	1
Radio Talks	0
TV Talks	0
Animal health amps (Number of animals treated)	0
Others (pl. specify)	0
Total	**19**

Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	1005		18	07	38	20	1088
	Voice only	-	-	-	-	-	-	-
	Voice & Text both	-	-	-	-	-	-	-
	Total Messages	**1005**		**18**	**07**	**38**	**20**	**1088**
	Total farmers Benefitted	-	-	-	-	-	-	**3500**

VIII. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS: Nil

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

Production of seeds by the KVKs: Nil

Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
	Dragon Fruit	Pink flash	-	105		
	Lemon	Pant lemon-1	-	120		
Vegetable seedlings						
	Onion	NHRDF Red-4, Bhima Shakti	-	5000		
	Cabbage	Chinese cabbage, Red cabbage	Ankur Manas	2020		
	Tomato	-	Prestige	5000		
	Lettuce	Romaine (long)	-	1000		
	Lettuce	Icerberg, Red	-	500		
Ornamental plants						
	Calendula	-	-	2500		
	Annual chrysanthemum	-	-	2200		
	Sweet william	-	-	1500		
	Sweet alyssum	-	-	300		
	Antirrhinum	-	-	1500		
	Ice plant	-	-	500		
	Dahlia single	-	-	550		
Total				**22575**		

Production of Bio-Products: Nil

Table: Production of livestock materials: Nil

X. DETAILS OF SOIL, WATER AND PLANT ANALYSIS: Nil

XI. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted	Date of SAC
KVK, Muzaffarnagar-II	01	11-12-2024

XII. NEWSLETTER/MAGAZINE

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

XIII. PUBLICATIONS

Category	Number
Books	-
Technical bulletins	-
Research Paper	1
Lead Papers	-
Book Chapters	-
Popular Articles	2
Newsletters	-
Technical reports	45
Others (pl. specify)	-

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

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

XVI. DETAILS ON HRD ACTIVITIES

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

Name of the SAU	Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
SVPUAT, Meerut	Production & protection technologies of horticultural crops	01	38	18
Total		01	38	18

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

XIV. CASE STUDIES : Nil

XIX Achievement of Special programmes

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

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

a) CRM Machinery status of the CRM KVKs

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

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

b) IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities	No. of Participants
	Kisan Melas organized	-	
1.	Awareness programmes conducted at Village Panchayat/ Block/ District Level	06	314
2.	Mobilization of schools and colleges through essay completion, painting, debate etc.	02	237
3.	Demonstration conducted (ha)	02	42
4.	Training Programmes conducted	-	-
5.	Exposure visits organized	03	150
6.	Field /harvest days organized	02	114
	Total	**16**	**882**

b) Other IEC activities organized under CRM Project by KVKs

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

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

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

5) Achievements of SCSP KVKs: N.A.

6) Achievement under IFS KVKs : N.A.

7) Activities performed under NARI programme: N.A.

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

9) Achievements under NICRA Project: N.A.

10) Achievements under ARYA Project: N.A.

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

12) Achievements under Swachhata Abhiyan Mission

S.No.	Items	No. of Programmes	No. of persons paticipated
1	Toilet maintenance	-	
2	Road, drain cleaning	08	38
3	Garbage disposal	10	57
4	Door to door awareness	-	-
5	Awareness campaign	06	155
6	Nookkad Drama	-	-
7	School Drama	-	-
8	School rally	-	-
9	Writing paining slogans	-	-
10	Composting	2	16
11	Other	-	-

13) Achievements under Aspirational District Scheme: : N.A.

14) Awards

S.No.	Name of Award received	Name of KVK/farmer	Year of Award	Date on which award received
1	First position in "Women Empowerment" (All India Farmers' Fair And Agro-Industrial Exhibition)	KVK, Muzaffarnagar-II	2024	18-10-2024

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

Celebration of Days under Mahila Adhyan Kendra

Name of Scientist: **Dr. Pooja, SMS (Home Science)**

S.N.	Activity	Details	Date
1	International Labour Day	International labour day was celebrated among farm women of Chittoda village. Awareness was made on work ergonomics and safety measures while working at farm and for performing day to day activities. They were also given protectives gloves for sugarcane harvesting as most of the women do labour work for sugarcane harvesting. Dr. Surender Kumar, Asstt. Professor (Agril. Extension) delivered a lecture on labour rights.	01-05-2024

Awareness on work ergonomics and safety measures

Protectives gloves were given to the farm women

Dr. Surender Kumar, Asstt. Professor (Agril. Extension) delivered a lecture on labour rights.

2	Mother's Day	Mother's day was celebrated on 14th May, 2024 to express gratitude and respect to mothers' for their hard work. Farm women were told about importance of healthy diet and they were given tips for maintaining healthy life style. Also they were given seasonal vegetable seeds for Nutri-garden. Smt. Saumya Pandey, Scientist (fisheries) told about balanced diet for mother health.	12-05-2024

Lecture by Dr. Pooja, Scientist (Home Scienec)

Lecture by Smt. Saumay Pandey, Scientist (fisheries)

Seed kit distribution among the farm women during the programme

Farm women sowing her happiness after receiving seed kits

3	International Day of Family	International day of family was celebrated at Nangla Kabir village. Farm women were made aware about role of women in maintaining health of whole family. They were also told about importance of balanced family and population control. Dr. Surender Kumar, Asstt. Professor (Agril. Extension) delivered a lecture on family health.	15-05-2024

Lecture delivered by Dr. Pooja, Scientist (Home Science) to the farm women

Seed kit distribution among the farm women during the programme

Dr. Surender Kumar, Asstt. Professor (Agril. Extension) delivered a lecture on family health

S.N.	Activity	Details	Date
1	International Child Protection Day	International Child Protection day was celebrated at KVK campus. 30 farm women participated in the event. They were made aware about importance of child health, child education, child protection laws, child development in early ages, child milestones and importance of child education.	01-06-2024
	 Lecture delivered by each scientist of KVK to the farm women on international child protection day		
2	World Environment Day	World environment day was celebrated at KVK. Farm women from nearby villages (Buwada Kalan, Nangla and Chittoda) participated in the event. Awareness was made on importance of environment for human beings and causes of global warming. They were motivated to plant more trees in their surroundings. They were also told about importance of flora and fauna for healthy environment. On this occasion tree plantation was done. Plants of pipal, neem and arjun were transplanted.	05-06-2024

	    Lecture delivered by Dr. Hans Raj Singh, Head Dr. Pooja, Scientist (Home Science)   Plants of pipal, neem and arjun were transplanted by the farm women at the centre	
3	World day against child labour	World day against child labour was celebrated at Chittoda village. Awareness was made to stop child labour in all forms. They were made aware about right of every child to education and safety so that every child gets an opportunity to grow and become strong pillars of society.	12-06-2024



Lecture delivered by Dr. Pooja, Scientist (Home Science) to the farm women


Lecture delivered by Smt. Saumya Pandey, Scientist (Fisheries) to the farm women

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