

**PROFORMA FOR PREPARATION OF  
ANNUAL REPORT FOR KVK**

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

# CONTENTS

S. No.	Particular	Page No.
1	APR Summary	2-4
2	General Information about the KVK	5-16
3	Technical Achievements	17
4	Assessment of Technology and Details of OFT	18-32
5	Details of CFLD & FLD	33-54
6	Natural farming	55-57
7	Other Activity (Hunger Free Village, NARI, Swachchhata Abhiyan, Animal Health Camp)	58-64
8	Training Programmes	65-76
9	Extension Activities	76-77
10	Others Events	78-83
11	Production of Seed, Fodder , Publication & Soil Testing	84
12	Rain Water Harvesting System & Intervention on Disaster Management	85
13	Achievements' of Special Programme	86-87
14	Budget	88

## APR SUMMARY

### 1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	74	1240	240	1480
Rural youths	08	90	20	110
Extension functionaries	19	260	75	335
Sponsored Training	01	95	5	100
Vocational Training	0	0	0	0
<b>Total</b>	<b>102</b>	<b>1685</b>	<b>340</b>	<b>2025</b>

### 2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	50	20	01 Cattle unit
Pulses	15	6.0	Mushroom Unit
Cereals	80	28.0	01 NADEP
Vegetables	20	8.0	Vermi Compost
Other crops	0	0	Fish Pond ,
Commercial crops	40	16.0	Jagery Unit
<b>Total</b>	<b>205</b>	<b>78.0</b>	
Nutri- garden	25	0.37	
Value addition	10	-	
Livestock	80	80 animal	
<b>Total</b>	<b>115</b>	<b>0.35 + 80 animal</b>	
<b>Grand Total</b>	<b>320</b>	<b>78.0</b>	

### 3. Technology Assessment

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
<b>Mango</b>			
Canopy management of mid-age mango orchards(>25years) through centre opening	1	10	05
<b>Sugarcane</b>			
Assessment of IPM module for the management of shoot borer, top borer in sugarcane	1	10	05
Sugarcane (Zaid-2024) –Low yield of sugarcane	1	06	03
<b>Rice</b>			
Weed Management in Transplanted Rice through chemical method.	1	15	05
<b>Wheat</b>			
Low production in late sown condition	1	12	06
<b>Livestock</b>			
Management of <b>repeat breeding</b> in dairy animals	1	20	10
Management of <b>Peri-parturient</b> problems in dairy animals	1	20	10
<b>Fisheries</b>			
Supplementing Selenium and amino acid rich Vitamin-mineral mixture in fish feed	1	08	04
<b>Total</b>	<b>8</b>	<b>101</b>	<b>48</b>

#### 4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	850	13779
Other extension activities	93	Mass
<b>Total</b>	<b>943</b>	<b>13779</b>

#### 5. Mobile Advisory Services

Message Type	Type of Messages						Total
	Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
Text only	315	27	22	18	62	45	489
Voice only	910	42	29	32	435	142	1590
Voice & Text both	0	0	0	0	0	0	0
<b>Total Messages</b>	<b>1225</b>	<b>69</b>	<b>51</b>	<b>50</b>	<b>497</b>	<b>187</b>	<b>2079</b>
<b>Total farmers Benefitted</b>	<b>925</b>	<b>45</b>	<b>42</b>	<b>62</b>	<b>325</b>	<b>142</b>	<b>1541</b>

#### 6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q) Mustard	85.10	463695.00
Planting Material (No.)	-	-
Bio-Products (kg)	-	-
Livestock Production (No.)		
Fishery production (No.)		
Fodder		187310.00
<b>Total</b>		<b>651005.00</b>

#### 7. Soil, water & plant Analysis

Samples	No. of farmers	Value Rs.
Soil	405	45690
Water		
Plant		
<b>Total</b>	<b>405</b>	<b>45690</b>

#### 8. HRD and Publications

Sr. No.	Category	Number	No. of participants
1	Workshops	03	-
2	Conferences	02	45
3	Meetings	15	210
4	Trainings for KVK officials	12	240
5	Visits of KVK officials	15	165
6	Book published	NIL	-
7	Training Manual	03	-
8	Book chapters	NIL	Mass
9	Research papers	01	Mass
10	Seminar papers	-	-
11	Extension folder	12	Mass
12	Proceedings	05	-
13	Award & recognition	NIL	-

**52- Achievements of Flagship Programmes:**

Sr. No.	Name of Programme	Activities	Quantity/ Number	Period/ Area Covered (ha)	No. of Farmers benefitted	Revenue generated (Rs)
1	SCSP	FLDs	-	-	-	-
		Training Programmes	02	-	100	-
		OFT	-	-	-	-
		Mobile Agro Advisories	-	-	-	-
		Extension Activities	-	-	-	-
		Seed Production (q)	-	-	-	-
		Planting Material Prod	-	-	-	-
		Livestock Production	-	-	-	-
		Fingerlings Production	-	-	-	-
		Soil Testing	-	-	-	-
2	NARI	Training Programmes	10	-	200	
		Extension Activities	05	-	130	
		Nutritional Garden units established	30		30	0.3
		Bio-fortified crops demonstrated	03		03	0.01
		Value addition	03	-	75	
		Work on Hunger Free Villages initiated	04		46	
3	Natural farming	Training programmes	01	-	40	
		No. of awareness	01	-	200	
		Demonstrations at farm	0.5	-		0.5 acre
		No. of farmers visited demonstration plots	11			4.4
4	Swachha Bharat Abhiyaan	Programmes organised	27	-	749	
5	CFLD	CFLD on Pulses	-	-	-	-
		CFLD on Oilseeds	-	100	250	-

**52- Status of Revolving fund (As on 31<sup>st</sup> December, 2024):**

- Last status (as on 31<sup>st</sup> December, 2023) : Rs. 11.79
- Current status (as on 31<sup>st</sup> December, 2024) : Rs 13.67

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

### 1 GENERAL INFORMATION ABOUT THE KVK

#### 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	<a href="mailto:meerutkvk@gmail.com">meerutkvk@gmail.com</a>

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

Address	Telephone		E mail
	Office	FAX	
SardarVallabhbbhai Patel University of Agriculture & Technology, Meerut	0121-2888522, 2888511	0121-2888505, 2888540	<a href="mailto:deesvpuat2014@gmail.com">deesvpuat2014@gmail.com</a> <a href="mailto:dir.ext@svpuat.edu.in">dir.ext@svpuat.edu.in</a>

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Omvir Singh	09412109215	09412109215	<a href="mailto:omvirsvp@gmail.com">omvirsvp@gmail.com</a>

#### 1.4. Year of sanction: 1992

1.5 Staff Position (as on 31 December , 2024)

S N	Sanctioned post	Name of the incumbent	Designation	Subject	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Pay scale fixed as on 1.1.2026	Category (SC/ST/OBC/Others)	Mobile no.	Age	Email id
1	Professor and Head	Dr. Omvir Singh	Professor and Head	Horticulture	37400-67000	218200	07.01.2004	-	OBC	9412109215	59	<a href="mailto:omvirsvp@gmail.com">omvirsvp@gmail.com</a>
2	Subject Matter Specialist	Dr.Rakesh Tiwari	S.M.S/ Asstt. Prof.	Soil Science	15600-39000	107200	21.06.2008	-	Gen	9411820189	54	191rakeshtiwar@gmail.com
3	Subject Matter Specialist	Smt. VeenaYadav	S.M.S/ Asstt. Prof.	Home Science	15600-39000	95400	23.06.2008	-	OBC	9457263482	54	veenayadav1020@gmail.com
4	Subject Matter Specialist	Dr. Naveen Chandra	S.M.S/ Asstt. Prof.	Entomology	15600-39000	110400	23.06.2008	-	OBC	9450803857	54	nchandra120@gmail.com
5	Subject Matter Specialist	Dr Sonika Arya	S.M.S	Live Production Management	15600-39000	59500	01.07.2022	-	OBC	7404226891	34	<a href="mailto:vety.sonikagrewal2013@gmail.com">vety.sonikagrewal2013@gmail.com</a>
6	Subject Matter Specialist	Dr. Shubham Arya	S.M.S	Agronomy	15600-39000	59500	06.07.2022	-	OBC	9012388383	31	<a href="mailto:shubhamarya516@gmail.com">shubhamarya516@gmail.com</a>
7	Programme Assistant	Dr. Jitendra Arya	Farm Manager	Horticulture	9300-34800	91400	01.07.1998	-	OBC	9412311554	58	<a href="mailto:Jkarya67@gmail.com">Jkarya67@gmail.com</a>
8	Programme Assistant	Smt. Vibha Sahu	Computer programmer	Computer	9300-34800	83600	21.10.1999	-	OBC	9410456174	50	vibha.sahu1@gmail.com
9	Accountant / Superintendent	Sh Amit Chaudhary	O.S. Cum Accountant	-	9300-34800	74300	10.12.2003	-	OBC	9761444004	43	amitsvpuat@gmail.com
10	Stenographer	Sh. Sudesh Kumar	Steno	-	9300-34800	52000	15.12.2003	-	SC	9457273887	52	<a href="mailto:Sudeshmeerutl23@gmail.com">Sudeshmeerutl23@gmail.com</a>
11	Driver	Sh. Upendra Kumar	Jeep Driver	-	5200-20200	37000	02.08.2007	-	OBC	9837194455	52	-
12	Supporting staff	Sri Amar Singh	Field Attendent	-	5200-20200	34300	13.12.1999	-	OBC	7457832447	58	-
13	Supporting staff	Sh. Hari Das	Sweeper	-	5200-20200	41000	01.07.1998	-	SC	9760855760	50	-

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.	Roads and other unused area	
6	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
		<b>Total</b>	<b>138.52</b>					

#### 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 tuyen	1993	-	Non-working
Trolley (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
Projector	2024	49700	Working
Refrigerator	2024	13000	Working

**1.8. Details SAC meeting\* conducted in the year- 18 Nov. 2024**

Scientist Advisory Committee Meeting of KVK, Meerut has been organized on 18, November, 2024. Total following 29 participants participated in the meeting and submit their valuable suggestions .

**A. Details of Participants:**

**Total No.Participants:29**

S.No.	Name of Participants	Designation	Department
1	Dr. P.K.Singh	Director Extension	SVP Univ. of Agric. & Tech. Meerut
2	Dr. D.K.Singh	DSW,	SVP Univ. of Agric. & Tech. Meerut
3	Dr. L.R. Meena	P.S. ( Agronomy),	SVP Univ. of Agric. & Tech. Meerut
4	Dr R.K.Singh	HEAD	CPRI, Modipuram Meerut
5	Dr Ravinder Sangwan	Principal Scientist ( LPM),	ICAR-CIRC, Meerut
6	Sri Amar Pal	Jila Krishi raksha Adikari	Krishi Vibhag
7	Dr S.K. Tripathi	Joint Director, Extension	Directorate of Extension
8	Dr. P.K.Singh	Joint Director, Extension	Directorate of Extension
9	Dr Ashok Kumar Gill	Pashu Chikitsa Adhikari	Pashu Palan Vibhag
10	Dr Arun Kumar	DHO	DHO, Meerut
11	Sri Kailash	Farmer	Village- Ekwara

12	Sri Kartar Singh	Farmer	Village- Pali
13	Sh. Shodan Singh	Farmer	Village – Amhera
14	Sh. Mahendre Singh Singh	Farmer	Village – Hastinapur
15	Sri Kamal singh	Farmer	Village-
16	Sri Revej raj	PPO, Meerut	Hastinapur
17	Sh Deepa	Farm Women	Village – Hastinapuer
18	Smt Ush a	Farm Women	Village- Hastinapur
19	Smt Meera	Farm Women	Village- Hastinapur
20	Dr. Omveer Singh	Professor& head	KVK, Hastinapur, Meerut
21	Dr Naveen Chandra	SMS/Asstt. Professor ( PP.)	KVK, Hastinapur, Meerut
22	Smt. Veena Yadav	SMS/Asstt. Professor (Home Sci.)	KVK, Hastinapur
23	Dr. Shubham Arya	SMS ( Agronomy)	KVK, Hastinapur
24	Dr. Sonika Grewal	SMS ( Livestock Production )	KVK, Hastinapur
25	Dr. J. K. Arya	Prog. Asstt./Farm Manager	KVK, Hastinapur
26	Smt Vibha Sahu	Prog. Asstt./Computer	KVK, Hastinapur
27	Sh. Amit Chaudhary	Accountant	KVK, Hastinapur
28	Sh. Sudesh Kumar	Steno Cum/ Comp Operator	KVK, Hastinapur
29	Sh Upendra Kumar Yadav	Driver	KVK, Hastinapur

## B. Recommendation and Action Taken

S.No.	Recommendation and suggestions
1	
2	It is emphasized that thinning of plants should be done in mustard CFLDs.
3	In Parwal FLD net profit/net gain should be calculated.
4	In animal health camp no of animal treated data should be presented as disease wise treated animal data
5	Fodder & breed improvement related topics should be included in training
6	Farmer linkage market should be encourage.
7	Farmers training programme should be organize season wise with relevant timing
8	It is emphasized that diseases of red rot in Sugarcane should be included in action Plan under OFT programme
9	It was suggested by the farmers that more plantation should be promoted by the KVK along with the farmer in the district
10	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.



## 2. DETAILS OF DISTRICT (31<sup>st</sup> December, 2024)

### 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

S N	Agro-climatic Zone	Agro-ecological situations based on soil & topography	Characteristics
1	Western plain zone		<p>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.</p> <p>2. The zone is highly productive with light coloured loam soil. The average annual rainfall is 795 mm.</p> <p>3. Relative humidity range from 32 to 85% and the temperature ranges from 2.5<sup>0</sup> C to 43<sup>0</sup>C. Rice wheat sugarcane based cropping system is prevalent in the zone.</p>

Situation	Soil Type	P <sup>H</sup>	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 <sup>H</sup>	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%.	<b>Total –259000</b> 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	<b>Barely</b>	112.0	450.0	40.18
6	<b>Oil seed: Mustard</b>	6085.0	84399.0	13.87
<b>Pulses</b>				
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 ((1<sup>st</sup> January, 2024 to 31<sup>st</sup> December, 2024))

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)	
		T min	T max	Rh1	Rh2
January	22.0	16.1	5.9	91.7	74.1
February	25.3	23.7	9.7	81.9	46.6
March	4.4	29.1	14.3	65.9	39.5

April	3.4	35.9	19.0	47.4	25.1
May	0.0	39.7	24.1	46.2	29.8
June	26.0	40.0	27.2	57.4	41.9
July	474.7	33.8	25.8	87.5	75.4
August	109.9	34.1	24.7	84.9	72.5
September	267.2	32.8	24.6	87.2	76.7
October	0.0	34.3	20.7	79.4	64.2
November	0.0	29.7	15.6	91.4	73.6
December	32.3	23.6	8.6	83.2	67.3

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

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

2.7 Details of Operational area villages (1<sup>st</sup> January, 2024 to 31<sup>st</sup> December, 2024)

S N	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, Jhinharpur, Nirpura	Sorghum, Potato, Wheat, Mustard Livestock production (2-3-Graded buffalo / 1-Crossbred cow)	<ul style="list-style-type: none"> <li>Late sowing of sugarcane</li> <li>Low production of milk in Cow and Buffaloes</li> <li>Deficiency of miner elements and organic matter in soils</li> <li>Attack of white grub in sugarcane</li> </ul>	<ul style="list-style-type: none"> <li>Intercropping with sugarcane</li> <li>Soil health management</li> <li>Management of infertility and repeat heat in Cattle and Buffaloes</li> </ul>
		Rajpura	Salarpur, Muzaffarpur Saini, Rajpura, Morna, Kastla, Mameypur, Incholi, Kaserukhera	Sugarcane, Pigeon pea, Potato & Wheat	<ul style="list-style-type: none"> <li>Reducing production area of pulses due to blue horse.</li> <li>Red rot and grassy shoot in sugarcane</li> </ul>	<ul style="list-style-type: none"> <li>Weed management in Paddy and Wheat</li> <li>Balance use of fertilizer</li> </ul>
		Daurala	Nihori, Lawad, Mahalka, Macchri, Rasoolpur, Walidpur, Panvari, Meetheypur, Andawali, Eloi, Daurala, Rassolpur	Vegetables, Sugarcane, Wheat, Mustard,	<ul style="list-style-type: none"> <li>No use of Potash and micro elements in crops</li> <li>Low production of old orchards</li> </ul>	<ul style="list-style-type: none"> <li>Crop residues management</li> <li>Pest management in Paddy and Sugarcane</li> </ul>
		Meerut	Chandsara, Alipur, Gagol, Phafunda, Fatehullahpur, Noornagar, TarapuriRasidnagar	S/cane, Urd, Rice Wheat	<ul style="list-style-type: none"> <li>Unorganized marketing system of agriculture produce</li> <li>Long dry period and infertility in milch animals</li> <li>Weed infestation in wheat.</li> <li>Depletion of ground water</li> <li>Insect attack in vegetables</li> </ul>	<ul style="list-style-type: none"> <li>Disease management in vegetable crops.</li> <li>Promotion of Oilseed and Pulses crops.</li> <li>Crop productivity enhancement in late sown wheat.</li> <li>Nutritional management among farm women and children</li> <li>Introduction of HYV/Hybrids in vegetables.</li> <li>Promotion of green manuring.</li> <li>Managements of Mango orchards.</li> </ul>
Sardhana	Sardhana	Mahadev, Kushawli, Begumabad, Nahli, Pali	S/cane, Wheat, Vegetables, Flower	<ul style="list-style-type: none"> <li>Late sowing of sugarcane</li> <li>Low production of milk in Cow and Buffaloes</li> </ul>	<ul style="list-style-type: none"> <li>Intercropping with sugarcane</li> <li>Soil health management</li> </ul>	
	Suroorpur	Pawarsa, Ikdri, PanchiBuzurg	-do-	<ul style="list-style-type: none"> <li>Deficiency of miner elements and organic</li> </ul>	<ul style="list-style-type: none"> <li>Management of infertility and repeat heat in</li> </ul>	
	Rohta	Rohata, Arnavali, Rasana, Shahapur jain	S/cane, wheat			

2		Jani	pur, Baffar, Meerpur, MohammadpurDhumi, Khumbha, SiwalKhas, NaglaKumbha, Bhol Ki Jhal	S/cane, wheat, mustard, paddy &Urd	<ul style="list-style-type: none"> <li>• Attack of white grub in sugarcane</li> <li>• Reducing production area of pulses due to blue horse.</li> <li>• Red rot and grassy shoot in sugarcane</li> <li>• No use of Potash and micro elements in crops</li> <li>• Low production of old orchards</li> <li>• Unorganized marketing system of agriculture produce</li> <li>• Long dry period and infertility in milch animals</li> <li>• Weed infestation in wheat.</li> <li>• Depletion of ground water</li> <li>• Insect attack in vegetables</li> </ul>	<ul style="list-style-type: none"> <li>• Cattle and Buffaloes</li> <li>• Weed management in Paddy and Wheat</li> <li>• Balance use of fertilizer</li> <li>• Crop residues management</li> <li>• Pest management in Paddy and Sugarcane</li> <li>• Disease management in vegetable crops.</li> <li>• Promotion of Oilseed and Pulses crops.</li> <li>• Crop productivity enhancement in late sown wheat.</li> <li>• Nutritional management among farm women and children</li> <li>• Introduction of HYV/Hybrids in vegetables.</li> <li>• Promotion of green manuring.</li> <li>• Mngt.of Mango orchards.</li> </ul>
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,	Sugarcane, Wheat Rice, potato, Mustard, Chickpea, Urd, Moong	<ul style="list-style-type: none"> <li>• Late sowing of sugarcane</li> <li>• Low production of milk in Cow and Buffaloes</li> <li>• Deficiency of miner elements and organic matter in soils</li> <li>• Attack of white grub in sugarcane</li> <li>• Reducing production area of pulses due to blue horse.</li> <li>• Red rot and grassy shoot in sugarcane</li> <li>• No use of Potash and micro elements in crops</li> </ul>	<ul style="list-style-type: none"> <li>• Intercropping with sugarcane</li> <li>• Soil health management</li> <li>• Management of infertility and repeat heat in Cattle and Buffaloes</li> <li>• Weed management in Paddy and Wheat</li> <li>• Balance use of fertilizer</li> <li>• Crop residues management</li> <li>• Pest</li> </ul>

		KundaChetawala, BamnoliBadahuakheri, Latifpur, Bheemkhund		<ul style="list-style-type: none"> <li>• Low production of old orchards</li> <li>• Unorganized marketing system of agriculture produce</li> <li>• Long dry period and infertility in milch animals</li> </ul>	<ul style="list-style-type: none"> <li>• management in Paddy and Sugarcane</li> <li>• Disease management in vegetable crops.</li> </ul>
	Parikshitgarh	Geshupur, Bonda, Kalirampur, Neemka, Khajuri, Dhanpura, Jithola, Anwarpur, Kohla	Sugarcane, Wheat Rice, potato, Mustard, Chickpea, Urd, Moong	<ul style="list-style-type: none"> <li>• Weed infestation in wheat.</li> <li>• Depletion of ground water</li> <li>• Insect attack in vegetables</li> </ul>	<ul style="list-style-type: none"> <li>• Promotion of Oilseed and Pulses crops.</li> <li>• Crop productivity enhancement in late sown wheat.</li> <li>• Nutritional management among farm women and children</li> </ul>
	Mawana Kala	Meewa, Assa, Matoura, Tatina, Niloha, Piona, Baizadka, Kunda, AkbarpurGhari, Bhaisa, Nidawali, Tigri, Geshupur, Sirjepur, Meerapur, AkbarpurShadat, Mubareekpur, NagalaAjedi, NagalaHareur, Phalawada, ChotaMawana,	Sugarcane, Wheat Rice, potato, Mustard, Chickpea, Urd, Moong	<ul style="list-style-type: none"> <li>• Late sowing of sugarcane</li> <li>• Low production of milk in Cow and Buffaloes</li> <li>• Deficiency of miner elements and organic matter in soils</li> <li>• Attack of white grub in sugarcane</li> <li>• Reducing production area of pulses due to blue horse.</li> <li>• Red rot and grassy shoot in sugarcane</li> <li>• No use of Potash and micro elements in crops</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction of HYV/Hybrids in vegetables.</li> <li>• Promotion of green manuring.</li> <li>• Managements of Mango orchards.</li> <li>• Intercropping with sugarcane</li> </ul>
	Machara	MaukhasHasanpur, Kaili Rampur, Dabthala, Behlolpur, Shahjahanpur,	Crops, Vegetables, Bee keeping	<ul style="list-style-type: none"> <li>• Low production of old orchards</li> <li>• Unorganized marketing system of agriculture produce</li> <li>• Long dry period and infertility in milch animals</li> <li>• Weed infestation in wheat.</li> <li>• Depletion of ground water</li> </ul>	<ul style="list-style-type: none"> <li>• Soil health management</li> <li>• Management of infertility and repeat heat in Cattle and Buffaloes</li> <li>• Weed management in Paddy and Wheat</li> <li>• Balance use of fertilizer</li> <li>• Crop residues management</li> <li>• Pest management in Paddy and Sugarcane</li> <li>• Disease management in vegetable crops.</li> </ul>

						<ul style="list-style-type: none"> <li>• Promotion of Oilseed and Pulses crops.</li> <li>• Crop productivity enhancement in late sown wheat.</li> <li>• Nutritional management among farm women and children</li> </ul>
--	--	--	--	--	--	---

## 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

## 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
08	08	80	101	100- 200	52.37	200	255

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	74	2000	1480	500	850	5000	13779
Rural youth		08		110				
Extn. Functionaries		19		335				
Sponsored Training		02		200				
<b>Total</b>		<b>103</b>		<b>2125</b>	<b>500</b>	<b>850</b>	<b>5000</b>	<b>13779</b>

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	85.10	-	-	-	-

## I.A TECHNOLOGY ASSESSMENT

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

S. No.	Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
1	Integrated Crop Management	Mango	Canopy management of mid-age mango orchards(>25years) through centre opening	10	05
2		Rice	Weed Management in Transplanted Rice through chemical method.	18	06
3	Integrated Pest Management	Sugarcane	Assessment of IPM module for the management of shoot borer, top borer in sugarcane	10	05
4	Varietal Evaluation	Wheat	Low production in late sown condition	12	06
5	Integrated Nutrient Management	Sugarcane	Low yield of sugarcane	06	03
<b>Name of the livestock enterprise</b>					
6	Disease Management	Dairy management (Buffalo)	Management of infertility by supplementing mineral mixture with dewormer in buffalo	20	10
7			Management of repeat breeding in dairy animals	20	10
8	Others (Fishries)	Fisheries (Fish)	Supplementing Selenium and amino acid rich Vitamin-mineral mixture in fish feed	8	4
<b>Total (08)</b>				<b>101</b>	<b>48</b>

## I.B. TECHNOLOGY ASSESSMENT IN DETAIL

### OFT-1

<b>Crop/Enterprises</b>	Sugarcane
<b>Title</b>	Assessment of IPM module for the management of shoot borer, top borer in sugarcane
<b>Thematic area</b>	Integrated Pest Management
<b>Major Problems</b>	Loss in cane yield(10-24%) of the crop leading to reduction in farmer's income
<b>Major Cause</b>	<ul style="list-style-type: none"> <li>• Low quality cane production and reduction in crop productivity due to heavy infestation of shoot borer, top borer.</li> <li>• Reduction in height and weight of cane due to such common borer infestation</li> <li>• High residual effect in bi-products of sugarcane due to non judicious use of pesticides to control borer</li> <li>• Increase in infestation rate due to excess use of nitrogenous fertilizer.</li> </ul>
<b>Name of interventions</b>	<p>T1- Farmers practice- Furadan 3G @ 30 kg/ha and Chlorantraniliprole 18.5 SC @375 ml/ha</p> <p>T2- Preference to the single bud method of sugarcane cultivation.</p> <ul style="list-style-type: none"> <li>• For the ease of <b>Seed treatment</b>: Chlorpyriphos 20 EC @ 40 m land Carbendazim @50g/10lit water</li> <li>• <b>Soil application</b>: Fertera 0.4G @ 22.5 kg/ha at planting and drenching of Chlorantraniliprole 18.5 SC @375 ml/ha in 700 lit. of water at 60 DAP</li> <li>• <b>Installation of Trichocard</b> @7.5 card/ha(@50000 parasitoid/ha) at 45,60,75 (at two weeks), 150 and 180 DAP(5 times during peak of egg laying)</li> <li>• <b>Pheromone traps</b> @ 27/ha at 45 DAP (lure change at an interval of 45 days) 10 meter distance from boundary &amp; 20meter distance between 2 trap should be maintain.</li> </ul>
<b>No. of farmers</b>	05
<b>Area</b>	2.0 hectare (0.4×5=2.0)
<b>Cost of IPM modules</b>	Rs.9038.00/acre(Total Rs.45190/-for2.0 ha area)
<b>Source of Technology</b>	ICAR-IISR,Lucknow
<b>Critical Input</b>	Chloropyriphos 20 EC, Carbendazim 50 WP, Fertera0.4G, Trichocard and Pheromone trap with lure
<b>Name of Scientist</b>	Dr. Naveen Chandra

S. No.	Observation Parameters	Technological Options	
		T1	T2
1	Germination percent	69 %	78 %
2	No. of Tillers/5*2 m <sup>2</sup>	92	120
3	Height (m) of healthy and infected cane.	3.1 m & 1.8 m	3.35 m & 2.43 m
4	Cane girth (cm) of healthy and infected (5 cane each insect.	6 cm & 4.5 cm	8 cm & 4.5 cm
5	Infestation % of shoot borer & top borer.	11 % & 17 %	2 % & 5 %
6	Weight(g) of healthy and infested cane	1250 gm & 350 gm	1500 gm & 400 gm
7	Infestation of other insect-pest	Pyrilla, milibug & black bug	Pyrilla, milibug & black bug
8	Yield(t/ha)	Awaited	

## Feedback

Stage wise application of pesticide checks multiplication of insect  
Arrangement of pesticide is difficult  
Drenching is more time consuming practice.  
Package of practice is more expensive.



Assessment of IPM module for the management of shoot borer, top borer in sugarcane

## OFT-2

<b>Title</b>	Weed Management in Transplanted Rice through chemical method.
<b>Problem diagnosed</b>	Heavy infestation of weeds causes competition with main crop and reduces the crop yield drastically.
<b>Micro farming situation</b>	Irrigated condition with Medium land under Rice-Wheat cropping system.
<b>Thematic area</b>	IWM
<b>Details of technology identified for solution</b>	T1: Bis-pyri bac Sodium 10% @ 200-250 ml/ha T2: Trif amone 20% + Ethoxysulfuron 10% WG @ 90g/ha. T3: Bispyribac Sodium 38% + Chlorimuron Ethyl 2.5% + Metsulfuron Methyl 2.5% (w/w) WG @ 100g/ha
<b>Source of Technology</b>	ICAR-DWR, Jabalpur
<b>No. of farmers</b>	06
<b>Area</b>	(10x800)=8000 sq. m.
<b>Critical inputs</b>	Weedicide
<b>Total Cost</b>	Rs. 4000.00/- approx.
<b>Name of Scientist</b>	Dr. Shubham Arya

S. No.	Observation Parameters	Technological Options					
		T1		T2		T3	
<b>Technical</b>							
1	Weed density at 30 and 45 DAT (No. of weeds/m <sup>2</sup> ).	14	09	10	07	08	05
2	Number of different weeds species (Number/m <sup>2</sup> ).	04		03		03	
3	No. of eff. tillers per plant (No./m <sup>2</sup> ).	372.82		404.38		410.92	
<b>Economical</b>							
1	Grain Yield (q/ha).	42.82		45.43		47.89	
2	Straw Yield (q/ha).	33.14		34.89		36.80	
3	Cost of Cultivation (Rs./ha)	60200		62350		64800	
4	Net Return (Rs./ha)	102516		110284		117182	
5	Cost Benefit Ratio (C:BRatio)	1:2.70		1:2.76		1:2.80	
<b>Social</b>							
1	Adoption Rate.						
2	Suitability of Technology.						
3	Feedback of farmers						

### Feedback-

- Chemicals are expensive and rarely available
- Low cost chemicals are also effective
- Most of the area in the district is under pudding practice
- Resulting weed problem in the district is not significant



### OFT-3

<b>Crop/Enterprises</b>	Sugarcane (Zaid-2024)
<b>Problem diagnosed</b>	Low yield of sugarcane
<b>Major cause</b>	High infestation of insect pest due to excess use of Nitrogen
<b>Thematic Area</b>	INM and WM
<b>Details of technologies selected for assessment/refinement</b>	T1: Farmer's practice (flood irrigation + 400 K urea+130 kg DAP+0 kg potash per kg) T2: Use balanced fertilizer as per soil testing value and irrigate on the basis of soil moisture indicator
<b>Replications</b>	06(Area- 0.4 *3 =1.2ha)
<b>Critical inputs</b>	<ul style="list-style-type: none"> <li>• SMI (Soil Moisture Indicator)</li> <li>• Balanced fertilizer NPK</li> </ul>
<b>Source of technology</b>	ICAR-IARI, New Delhi
<b>Name of Scientist</b>	Dr. Rakesh Tiwari & Dr. Shubham Arya

S. No.	Observation Parameters	Technological Options	
		T1	T2
1	Pest build up (insect, disease infestation )	12	9
2	Weed population per m)	55	55
3	No. of irrigation	04	03
4	Fertilizer expenditure & saving	5642	10818 & (-5176)
5	Cost of cultivation	Awaited	
6	Yield q/ha		
7	B:C ratio		

Farmers Name	pH	EC	OC %	P2O5	K2O	S	Zn	B	Fe	Mn	Cu
Kanshi Ram	7.69	0.48	0.30	11.9	130	2.9	0.59	0.47	1.1	0.61	0.59
Bablu	7.78	0.29	0.29	12.5	125	2.5	0.58	0.40	1.2	0.58	0.62
Amresh	7.65	0.26	0.25	11.5	129	2.1	0.58	0.42	1.4	0.60	0.58

Nitrogen-low, Phosphorus- Low, Potash- Medium

Soil Status Organic carbon- Low,  
fertilizer based- 350 Urea Kg/ha.  
Phosphorus – Low, 163 Kg/ Ha  
Potash- Medium, 66 Kg/ha.  
Sulphur- 40 Kg/ha.



**Feedback-** Moisture indicators are difficult to arrange at farmer`s level

#### OFT-4

<b>Crop/Enterprises</b>	Wheat (Rabi 2024-25)
<b>Problem diagnosed</b>	Low production in late sown condition
<b>Major cause</b>	Sowing of traditional variety in late sown condition through broadcasting method
<b>Thematic Area</b>	Varietal
<b>Details of technologies selected for assessment/refinement</b>	T1: Farmer's practice – Use of old variety (DBW-173) and application of 100:60:0kg NPK T2: Line sowing of wheat variety HD-3298+ application of recommendation dose of fertilizer @80:60:40 and Zinc (on the basis of soil testing)
<b>Source of technology</b>	ICAR-IARI, New Delhi
<b>No. of farmers</b>	06
<b>Critical inputs</b>	Seed+ balanced fertilizer
<b>Plot size &amp; sowing time</b>	800 sq.m per farmer & between 15-30 Dec.
<b>Name of Scientist</b>	Dr. Rakesh Tiwari & Dr. Shubham Arya

S. No.	Observations Parameters	Technological Options	
		T1	T2
1	Seed rate	Result awaited	
2	Plant population per m <sup>2</sup> at 20-25 days & at harvesting		
3	No. of effective tillers (60 DAS)		
4	Days taken to maturity		
5	Yield 10 m <sup>2</sup> area (randomly from 4-5 places) per q per ha		
6	BC ratio (Rs)		

### OFT-5

<b>Crop/Enterprises</b>	<b>Buffalo (Age group –5 to 8 years)</b>
<b>Title</b>	Management of <b>repeat breeding</b> in dairy animals
<b>Major Problems</b>	Higher incidences of repeat breeding
<b>Major cause</b>	Nutritional deficiency and hormonal disbalance
<b>Name of intervention</b>	T1 : Farmers practice: Use of choker and common salt T2 : Dewormer+Use of Feed Supplement(Trace mineral) @50 gm/day /animal for 3 months + Hormonal treatment if needed
<b>No. of Farmer</b>	10 + 10
<b>Thematic Area</b>	Reproduction and breeding management
<b>Cost of input</b>	Rs.10000/-
<b>Source of Technology</b>	ICAR-IVRI, Izatnagar
<b>Critical Input</b>	Mineral Mixture, Dewormer & hormonal treatment as per need
<b>Name of Scientist</b>	Dr. Sonika Grewal

All the parameter will be recorded after the completion of trial

S. No.	Observation Parameters	Technological Options	
		T1	T2
<b>Technical</b>			
1	Non Return Rate	-	-
2	Calving to conception interval	-	-
3	Conception rate	-	-
<b>Economical</b>			
1	C:B Ratio	-	-
<b>Social</b>			
1	Adoptability	-	-



**OFT-6**

<b>Crop/Enterprises</b>	<b>Buffalo</b>
<b>Title</b>	Management of <b>Peri-parturient</b> problems in dairy animals
<b>Major Problems</b>	Poor management practices during Peri-parturient period
<b>Major cause</b>	Poor nutrient management
<b>Name of intervention</b>	<b>T1:</b> Farmers practice:Use of choker+Common salt <b>T2:</b> Use of Feed Supplement (Metabolite mixture@100g/day)during transition period
<b>No. of Farmer</b>	10 + 10
<b>Thematic Area</b>	Reproduction and breeding management
<b>Cost of input</b>	Rs.10000/-
<b>Source of Technology</b>	ICAR-NDRI,Karnal
<b>Critical Input</b>	Metabolite mixture
<b>Name of Scientist</b>	Dr. Sonika Grewal

S. No.	Parameters Performance Indicator	Technological Options	
		T1	T2
<b>Technical</b>			
1	Incidence of post parturient problems (%)	Result awaited	
2	Service period		
3	Conception rate		
<b>Economical</b>			
1	C:B Ratio		
<b>Social</b>			
1	Adoptability		

### OFT-7

<b>Crop/Enterprise</b>	Fish
<b>Title</b>	Supplementing Selenium and amino acid rich Vitamin-mineral mixture in fish feed
<b>Problem diagnosed</b>	Slow growth in spite of feeding leading to late harvest absence of balanced diet for fish growth
<b>Major Cause</b>	<ul style="list-style-type: none"> <li>• No use of vitamin and minerals</li> <li>• Ir-regular feeding of fishes</li> <li>• Lack of technical knowledge on feed management in ponds</li> <li>• Cost cutting by farmers unknowingly as feed takes a major part of input cost</li> </ul>
<b>Details of technology identified for solution</b>	T <sub>1</sub> –Farmers practice of not using vitamin mineral mixture T <sub>2</sub> –SeleniumVit-mineral mixture in fish feed@ 10g/kg feed
<b>No. of farmers</b>	4
<b>Total cost (Rs.)</b>	Rs.8000
<b>Source of technology</b>	ICAR-CIFA, Bhuwaneshwar
<b>Critical inputs</b>	Vitamin-mineral mixture Condition-Same pond size and same species cultured
<b>Name of Scientist</b>	Dr. Sonika Grewal

S. No.	Observation Parameters	Technological Options	
		T <sub>1</sub>	T <sub>2</sub>
1	Feed Conversion Ratio(FCR),	-	-
2	Water quality parameters (PH)	6.5	7.5
3	Fish yield/ unit area	-	-
4	Presence or absence of disease outbreak		Till date none case reported
5	Harvesting time	-	-

**Rest of the parameters will be recorded after the completion of the trial**



## OFT 8

<b>Crop/Enterprises</b>	Mango
<b>Title</b>	Canopy management of mid-age mango orchards(>25years) though centre opening
<b>Thematic area</b>	Resource conservation
<b>Major Problems</b>	Low productivity of mango varieties Dashaheeri and Langra due to highly dense mango orchards
<b>Major Cause</b>	<ul style="list-style-type: none"> <li>• Low light interception</li> <li>• Low photosynthesis</li> <li>• Highly dense tall trees with intervening branches</li> <li>• Use of imbalance dose of nutrients</li> <li>• Incidence of Gummosis</li> </ul>
<b>Name of interventions</b>	<p>T1 Farmers practice-No pruning + Application of 2kg DA Pin the month of October</p> <p>T2 Centre opening + COC - 2kg+ FYM, N, P, K, B, Zn and CuSO<sub>4</sub> @ 50kg, 1000,750,750,250,250 and 250 gm/tree/year</p>
<b>No. of farmers</b>	05
<b>Area</b>	05 plant/location = 25plants
<b>Cos to input</b>	Rs 6000/-
<b>Source of Technology</b>	ICAR-CISH, Lucknow
<b>Critical Input</b>	COC, Boron, Zinc and CuSO <sub>4</sub>
<b>Observation to be recorded</b>	<ul style="list-style-type: none"> <li>• Days to flowering after pruning</li> <li>• Days to fruits et after pruning</li> <li>• Size of fruit</li> <li>• Fruit yield</li> <li>• Percent of disease incidence and insect infestation</li> </ul>
Result awaited	

## On Farm Trial –9 (2023-24)

### THEMATIC AREA: INTEGRATED CROP MANAGEMENT

**Problem definition:** Low production of wheat in late sown condition.

**Technology Assessed:** Assessment of late sown variety HD-3298 of wheat.

An OFT has been conducted at KVK Hastinapur (Meerut) to assess performance of new variety of Wheat (HD-3298) in Rabi 2023-24. The variety performed 55.50 qt./ha. Production in late sown condition of Meerut while other variety PB-590 produced only 43.80 qt./ha. In the same Agro Eco condition with 3.4 B:C ratio in comparison to 3.1 in farmers practice.

**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 <sub>1</sub> : Farmer Practice (Use of PBW-590 )	06	43.8	-	50750	158700	107950	1:3.1
T <sub>2</sub> : Sowing of wheat variety HD-3298		55.5	26.94	54630	183200	128570	1:3.4

Var.- HD3298 sale price of wheat @ 2275/q



## On Farm Trial –10 (2023-24)

### THEMATIC AREA: INTEGRATED PEST MANAGEMENT

**Problem definition:** Heavy infestation of Top Borer

**Technology Assessed (as the case may be):** : 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: Effect of Tetraniliprole 18.8% sc @ 800 ml/ha on top borer management in Sugarcane**

Technology Option	No. of trials	Major parameter (as mentioned in the approved action plan 2024)	Results of indicators/parameter)	Advantage (%) on parameters	Yield (qt./ha)	Increase in yield (%)	Gross cost (Rs./ha)	Net Return (Rs./ha)	B:C Ratio
T <sub>1</sub> - Two application of Furadan @ 36k g/ha 15 days interval	06	-	-	-	795.0	13.20	278250	181750	1:2.89
T <sub>2</sub> . Two Spray of Tetraniliprole 18.8% sc @ 800 ml/ha 15 days interval		-	-	-	900.0		315000	215500	1:3.16

Sale price: Sugarcane Rs. 350/q



## On Farm Trial – 11 (2023-24)

### THEMATIC AREA: INTEGRATED NUTRIENT MANAGEMENT

**Problem definition:** Imbalanced use of Fertilizer in late sown wheat. (2023-24)

**Technology assessed:** Degradation of soil health resulting in low productivity

KVK Hastinapur (Meerut) has conducted an “On Farm Trial” entitled Assessment of fertilizer dose in Wheat(HD-2967) 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 49.50 qt./ha. As compared with farmers practice produces 43.74 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 <sub>1</sub> - Farmer practices (Imbalance use of fertilizers N:P:K 150:60:0:40)	06	48.74	-	62470	110883	48413	1:1.77
T <sub>2</sub> -N:P:K:Zn:S:Fe@ N,P,K, Zn & S- 120:60:40:30 & 25 kg/ha.)		55.15	13.15	66110	125466	59356	1:190

Variety HD-2967 Sale price Wheat @ Rs. 2275 /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
Ved Prakash	7.70	0.28	0.19	14.9	140	1.6	0.28	0.61	1.1	3.8	6.2
Moolchand	7.65	0.29	0.22	15.7	148	2.8	0.30	0.59	1.3	4.9	5.9
Sudhir	7.70	0.28	0.18	13.9	143	2.9	0.29	0.56	1.9	5.1	5.8

Soil Status Nitrozen- Low, fertilizer based- 210 Kg/ha.

Phosphorus – Low, 132 Kg/ Ha

Potash- Medium, 68 Kg/ha.

Sulphur- 40 Kg/ha.

Zinc(21 %)- 30 Kg/ha.

Ferrous- 25 Kg/ha.



## OFT-12 (2023-24)

### LIVE STOCK ENTERPRISES

**Problem definition:** Infertility in buffaloes

**Technology Assessed (as the case may be):**

Management of infertility by supplementing mineral mixture with dewormer in buffaloes. In western Uttar Pradesh infertility prevalence is more and it causes economic losses to the farmers due to delay in maturity, Calving and milk production therefore, KVK, Meerut conducted a trial on management of infertility in buffaloes for 90 days

**Table conception rate after supplementing mineral mixture with dewormer buffaloes**

Technology Option	No. of trials	No. of Animals	No. of Animals in heat	No. of Animals conceived	Conception rate(%)
T <sub>1</sub> Farmer's practice (Use of choker and common salt)	10	10	08	04	50
T <sub>2</sub> Use of mineral mixture @50 gm/day/animal for 3 month feeding + Dewormer					



## OFT-13 (2023-24)

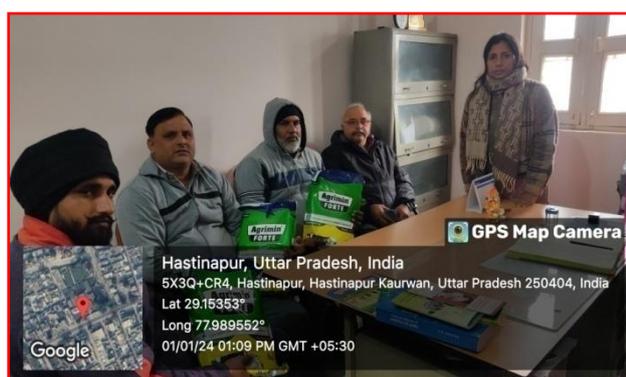
### LIVE STOCK ENTERPRISES

**Problem definition:** Infertility in Cows

**Technology Assessed (as the case may be):** Management of infertility by supplementing mineral mixture with dewormer in buffaloes. In western Uttar Pradesh infertility prevalence is more and one of the cause of infertility is imbalance in micronutrients deficiency in dairy animals therefore KVK, Meerut conducted trial on management of infertility in Cows by supplementing mineral mixture with dewormer for 90 days.

**Table conception rate after supplementing mineral mixture with dewormer Cows**

Technology Option	No. of trials	No. of Animals	No. of Animals in heat	No. of Animals conceived	Conception rate(%)
T <sub>1</sub> Farmer's practice (Use of choker and common salt)	10	10	09	05	55.5%
T <sub>2</sub> Use of mineral mixture @50 gm/day/animal for 3 month feeding + Dewormer					



## II A Cluster Frontline Demonstrations

### Details of CFLDs implemented during year 2024

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	
<b>Oilseeds</b>										
1	Mustard	ICM	Promotion of Mustard Var. RH 725	Rabi 2023-24	20.0	20.0	12	38	50	-
<b>Pulses</b>										
2	Lentil	ICM	Promotion of improved variety	Rabi 2023-24	6.0	6.0	03	12	15	-

### 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	172	33	217	Paddy, Sorghum	05.10.23 to 28.10.2023	05.03.24 to 28.03.2024	12.2	01
Lentil	Rabi 2023-24	Irrigated	Sandy Loam	187	24	217	Paddy, Sorghum	08.11.23 to 28.11.2023	08.04.24 to 28.04.2024	11.2	01



### Farmers reactions on the demonstrated technologies

S. No	Feed Back for researchers	Feedback for line department
1	<b>Mustard</b>	
	Sowing of Mustard in Ist week of September results more and quality production.	
	Late sowing of mustard caused attack of aphid and and upper capsule not filled	

### Technical feedback on specific technologies demonstrated in FLDs

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

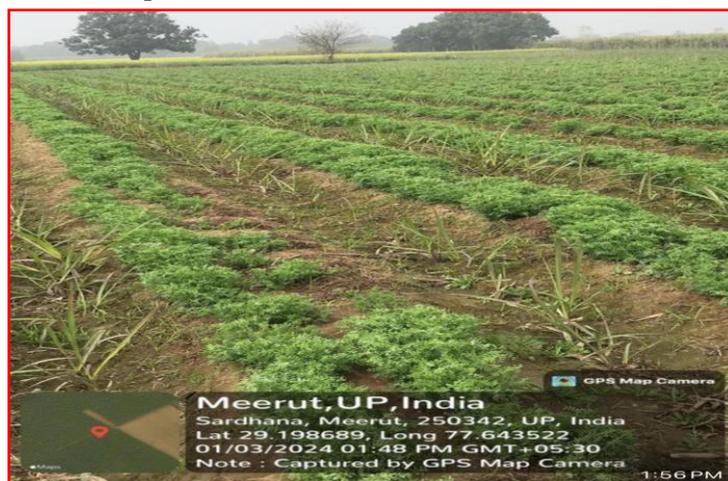
### Extension and Training activities under FLD

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 2023-24	Varietal evaluation	Promotion of improved variety	Shekhar 4	15	6.0	No. of Pods/Plant	245	217	231	172	25.5%	16.20	10.25	13.60	10.75	26.51	28500	81600	53100	2.86	26280	64500	38220	2.45

Sale price, Lentil Rs. 6000/q



### Feedback

- Very low area is available under pulses, may be cultivated as inter crop with sugarcane in trench planting.
- Over vegetative growth occurs in cropping systems of the district.
- If rains in winter, more incidence of Fusarium wilt and rust disease.

### Farmers reactions on the demonstrated technologies

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 must be grown in place of old varieties, 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	04.01.2024	50	
2	Farmers Training-				
3	Media coverage				
4	Training for extension functionaries				

## II. B 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

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	Paddy	Varietal evaluation	Promotion of improved variety PB-1847	Demonstration, Training and Advisory Services	08	20	10.0
2	Wheat	Varietal evaluation	Introduction of high yielding timely sown variety DBW-303		05	20	4.0
3	Mustard	INM	Use of Improved variety and Sulphur @ 40 Kg/ha.		6	10	4.0
4	Mustard	INM	Use of Improved variety and Sulphur @ 40 Kg/ha.		1	10	4.0
5	Mustard	Integrated Crop Management	Introduction of high yielding variety RH-725(NFSM)		5	50	20.0
6	Lentil	Integrated Crop Management	Introduction of high yielding variety Shekhar -4 (NFSM)		6	15	6.0
7	Paddy	INM	Application of ferrous Sulphate in Paddy @25kg/ha		1	25	4.0
8	Potato	Varietals Evaluation	Popularization of improved variety Kufri Mohan		3	03	8.80
9	Potato	Varietals Evaluation	Inter cropping of Potato variety Kufri Chipsona-1 with autumn planting of Sugarcane.		8	22	0.40
10	Paddy	IPM	Management of Srem borer of paddy through chlorantriliprole 0.4 %		2	10	4.0
11	Tomato	IPM	Management of fruit borer by spinosad 45 %	3	10	2.0	
12	Parwal	IPM	Management of fruit fly in Parwal	4	10	4.0	

13	Sugarcane	IDM	Management of Pokkabowing disease. Application of copper oxychloride.		2	10	4.0
14	Kitchen garden	House hold food security	Demonstration of well planned Kitchen garden (100 SQM Planned)		05	30	0.3
15	Vermin Composting	Women empowerment	Worms @ 10 kg/demon.		6	10	0
	<b>Total</b>					<b>255</b>	<b>75.5</b>

b. **Details of FLDs implemented during January 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.)

SN	Crop/ Enterprise	Thema tic area	Technology Demonstrated	Season / year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
<b>Other crop</b>										
1	Wheat	ICM	Introduction of new variety Of wheat DBW-303	Rabi 2024-25	4.0	4.0	3	7	10	
2	Paddy	ICM	Introduction of new variety Of wheat PB-1847	Kharif 2024	4.0	4.0	5	15	20	
3	Paddy	IPM	Management of sheeth blight in paddy by Azoxystrobin 23 % SC @ 800 ml/ha.	Kharif 2024	4.0	4.0	0	10	10	
4	Wheat	INM	Use of Nano urea & Nano DAP	Rabi 2024-25	12.0	12.0	13	17	30	
5	Paddy	INM	Use of Ferrous Sulphate @ 40 Kg/ha.	Kharif 2024	4.0	4.0	7	3	10	
6	Parwal	IPM	Management of fruit fly in Parwal	Kharif 2024	4.0	4.0	0	10	10	
7	Cauli flower	IPM	Management of DBM in cauliflower using Spinosad 45 % SC @ 150 ml/ha	Rabi 2024	4.0	4.0	2	8	10	
8	Sugarcane	INM	Use of Ferrous Sulphate @ 40 Kg/ha.	Zaid 2024	4.0	4.0	3	7	10	
9	Sugarcane	IPM	Management of early shoot borer by (thiomethoxam + Chlorantraniliprole)	Kharif 2024	4.0	4.0	2	8	10	
10	Potato	Potato transplanter (2023)	Sowing of Potato by Potato transplanter	Rabi 2023-24	8.0	8.0	0	20	20	
11	Kitchen garden	House hold	Demonstration of well planned Kitchen Garden	Rabi 2023-24 Zaid 2024	0.37	0.37	5	20	25	

		food security	(150 m <sup>2</sup> )	Kharif-2024,						
12	Income generation and nutritional security through Pulses and vegetable	Value Addition	Value addition of pulses and vegetable BADIS for gradational income (Pulses and vegetable,+ spices)	Zaid (2024)	-	-	02	08	10	
13	Cattle	Dairy management	Mineral mixture supplementation in animals in dairy cows	2023 -24	25 animal	25 animal	05	20	25	
14	Cattle	Dairy management	Mineral mixture supplementation in Dairy cowanimals in dairy cows	2024	25 Cow	25 Cow	01	24	25	
15	Buffalo calf	Health management	Supplementation of dewormer in buffalo calf	2024	30 buffalo calf	30 buffalo calf	15	15	30	
			<b>Total (Animal + buffalo calf)</b>		<b>80 animals</b>	<b>80 animal</b>				
			<b>Grand Total</b>		<b>52.37</b>	<b>52.37</b>	<b>63</b>	<b>192</b>	<b>255</b>	

## Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Wheat	Rabi 2024-25	Irrigated	Sandy loam	174	35	211	Sugarcane	15-12-24 to 30-12-24	-	74.1	14
Sugarcane	Zaid 2024	Irrigated	Sandy Loam	340	30	122	Mustard	02.03.2024	05.02.2024	21.2	4
Parwal	Rabi 2024	Irrigated	Sandy Loam	239	25	120	Paddy	12.01.2024	15.10.2024	174.1	18
Paddy	Kharif 2024	Irrigated	Sandy Loam	178	32	227	Sorghum	02-07-24	15-11-24	401.7	29
Cauli flower	Rabi 2024	Irrigated	Sandy Loam	240	40	230	Spinch	15.09.2024	25.12.2024	32.2	8
Wheat	Rabi 2024-25	Irrigated	Sandy loam	208	29	218	Sorghum	22 Nov., 2024	-	21	6
Kitchen garden	Rabi 2023-24 Zaid 2024 Kharif-2024,	Irrigated	Sandy Loam	165	28	228	NA	05.10.2023	-	355.9	27
Potato	Rabi 2023-24	Irrigated	Sandy Loam	209	34	229	Jowar	22.10.2023	-	27.2	11
Sugarcane	Zaid 2024	Irrigated	Sandy Loam	240	33	222	Mustard	05.03.2024	-	31.2	4
Potato	Rabi 2024-25	Irrigated	Sandy Loam	202	31	218	Jowar	20.10.2024	-	26.2	11

## Performance of Frontline demonstrations FLD on Other crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameter s 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										
<b>Cereals</b>																								
Wheat	ICM	Use of New variety	DBW-303	20	4.0	No. of tillars / Sq. mtr	462	428	432	422	2.36	71.00	64.00	67.5	50.6	33.39	61790	203750	142000	1:3.4	51270	161275	110005	1:3.1
Paddy	ICM	Use of New variety	PB-1847	10	4.0	No. of tillars / Sq. mtr	412	386	399	360	10.83	48.00	42.50	45.30	40.0	13.25	50500	144960	94460	2.87	46200	116000	69800	2.51
Paddy	IDM	Manag. of sheeth blight in paddy by Azoxystrobin 23 % SC @ 800 ml/ha.	Pusa 1121	10	4.0	No of Infected plant	1.53	1.13	1.22	4.33	110	44.00	31.50	38.00	29.00	20.68	43500	117800	74300	2.71	42000	89900	47900	2.14
Wheat	INM	Use of Nano Urea & Nano DAP	HD 2967	30	12.0	No. of tillars / Sq. mtr.	455	422	435	432	340	52.5	47.4	50.90	46.8	8.9	61460	115797	54337	1.88	65790	106470	40680	1.61
Paddy	INM	Use of Ferrous sulphate @25 Kg/ha	Pusa 1509	10	4.0	No. of tillars / Sq. mtr.	417	400	408	342	19.44	48.25	43.15	45.69	43.18	5.81	58690	141639	82949	2.41	59780	133858	74078	2.24

Sale Paddy Rs 3100 Q



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										
<b>Vegetables</b>																								
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	210	200	205	160	28.12	42300	512500	470200	12.11	40400	400000	359500	9.90
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	230	160	190	140	35.71	81000	760000	679000	9.38	75000	56000	485000	7.46

Sale price Parwal Rs. 2500/Q- & Cauliflower Rs. 4000/Q-



### Farmers reactions on the demonstrated technologies

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 use of Ferrous Sulphate the yield was increased up to 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.	
Paddy	Increase of 5 % was observed due to the application of Ferrous sulphet @ 25 kg/ ha in Pusa 1509	

### Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1 Parwal	In Parwal grown (Khadar area of Hastinapur) farmer sprays many times to control fruit fly . Cue-lure traps @ 5/acre sufficient for controlling fruit fly insect.
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	06.01.2024, 22.02.2024, 13.06.2024,14.06.2024,	140	
3	Media coverage	01	14.06.2024	mass	
4	Training for extension functionaries	01	27.03.2024	20	



**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-	02	03.02.2024, 20.04.2024	50	
3	Media coverage	01	20.04.2024	mass	
4	Training for extension functionaries	01	18.02.2024	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 (Rabi 2023)	Potato	Sowing of Potato by Potato transplanter /	20	8.0	<ul style="list-style-type: none"> <li>• Cost of operation</li> <li>• Field capacity</li> <li>• Field efficiency</li> <li>• % saving in labor,</li> <li>• % saving in time ,</li> </ul>	4000/ha	2000/ha	2000/ha		2000/ha		2000/ha						
						0.04 ha/hrs	NA	0.04 ha/hrs		0.04 ha/hrs		0.04 ha/hrs	NA	NA	NA	NA	NA	NA
						69 %	NA	69 %		69 %		69 %						
						60 %	NA	60 %		60 %		60 %						
						65 %	NA	65 %		65 %		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	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. Government

**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	10.02.2024	11	
2	Farmers Training-	2	10.10.2023, 14.10.2023	56	Emphasis on automatic potato planter for better coverage
3	Media coverage	-	-	-	-
4	Training for extension functionaries	-	-	-	-

### FLD on Other Enterprise: Value Addition

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Yield (Kg)		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)
Income generation and nutritional security through Pulses and vegetable	Value Addition	Value addition of pulses and vegetable BADIS for gradational income (Pulses and vegetable,+ spices)	10	1	1	<ul style="list-style-type: none"> <li>• Increase in nutritive value</li> <li>• Rich in protein and mineral</li> <li>• better keeping quality</li> <li>• Income generation</li> </ul>	Rich in protein	175	450	275	2.6	150	350	200	2.3

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

S. No	Feed Back for researchers	Feedback for line department
1	Badi with pulses and vegetable is more nutritional rich as compare to only moong daal badi, tasty and add additional income	-

### Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	Under the demonstration Value addition of pulses and vegetable BADIS fulfill the nutritional requirement, add additional income & in rainy season when less vegetables are available at home badi curry fulfill the nutritional requirement due to rich in protein, mineral, Iron ,medicinal property and also help in additional income and 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- Nutritional Gardening		19-24.9.24	26	
2	Media coverage				
3	Training for extension functionaries		30.4.24 11.7.24	30	



### 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 (Rabi2023-Zaid,Kharif24)	25	25	415	72	476	Daily availability of veg.gm/day/person		2100	12450	10350	5.9	600	2160	1560	3.6
								227	39								
								Nutritional adequacy	Nutritional Inadequacy								

### 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- Nutritional Gardening	4	23.1.24 16.5.24 6.8.24 22.10.24	80	Introduction of bio fortified varieties of vegetables
2	Media coverage				
3	Training for extension functionaries	2	30.4.24 11.7.24	30	Introduction of bio fortified varieties of vegetables



## Dairy Management

### FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Yield (Kg/animal) or No. of eggs/bird)		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cattle 2023-24)																	
Cattle	Dairy Management	Mineral mixture supplementation in animals in dairy cows	25	25	Milk Yield	Milk Yield	7.5	9.41	8.74	30730	42345	11615	1.37	30000	39330	9330	1.31

### Farmers reactions on the demonstrated technologies

S. No	Feed Back for researchers	Feedback for line department
1	Mineral required for the milk production during the lactation period and this mineral mixture help in improving the milk yield in dairy analysis.	Very effective to increase In milk production and immunity of the dairy animals

### Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	Nowdays mineral deficiency are common in dairy animals due to major deficiency in soil.
2	Mineral mixture plays a vital role in various bio chemical reaction therefore it improve milk yield by balancing the minerals in animal body

Sl. No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Farmers Training- On mineral mixture feeding and its importance	02	21.11.2023 04 to 07 december,2023	40	
2	Media coverage	-	-	-	
3	Training for extension functionaries	-	-	-	



## Dairy Management

### FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Yield (Kg/animal) or No. of eggs/bird)		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
<b>Cattle (2024)</b>																	
Cattle	Dairy Management	Mineral mixture supplementation in animals in dairy cows	25	25	Milk Yield	Milk Yield	7.26	7.65	7.13	27730	34470	6740	1:1.24	27730	32085	4355	1:1.15

### Farmers reactions on the demonstrated technologies

S. No	Feed Back for researchers	Feedback for line department
1	Mineral required for the milk production during the lactation period and this mineral mixture help in improving the milk yield in dairy analysis.	Very effective to increase In milk production and immunity of the dairy animals

### Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	Nowdays mineral deficiency are common in dairy animals due to major deficiency in soil.
2	Mineral mixture plays a vital role in various bio chemical reaction therefore it improve milk yield by balancing the minerals in animal body

Sl. No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Farmers Training- On mineral mixture feeding and its importance	01	30.05.2024	20	
2	Media coverage	-	-	-	
3	Training for extension functionaries	-	-	-	



## Dairy Management

### FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Yield (Kg/animal) or No. of eggs/bird)		Economics of demonstration (Rs.)				Economics of check (Rs.)				
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)	
Buffalo calf (2024)																		
Buffalo calf	Health Management	Supplimentation of dewormer in Buffalo calf	30	30	Result awaited													

Farmers reactions on the demonstrated technologies

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

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	

Sl. No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Farmers Training- On mineral mixture feeding and its importance	01	20.09.2024	20	
2	Media coverage	-	-	-	
3	Training for extension functionaries	-	-	-	



### 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)		
Meerut 1	Mustard	PM- 32	0.40	14.2	21780	Mustard	PM- 32	0.40	16.5	41420	9.11.2023	28.04.2024
2	Mustard	RH-749	0.40	11.2	22290	Mustard	RH-749	0.40	20.9	42290	7.11.2023	26.04.2024
3	Mustard	RH-749	0.40	12.4	21200	Mustard	RH-749	0.40	18.5	42410	11.11.2023	25.04.2024
4	Mustard	RH-749	0.40	11.4	22300	Mustard	RH-749	0.40	17.4	43222	12.11.2023	25.04.2024
5	Mustard	RH-749	0.40	11.9	21490	Mustard	RH-749	0.40	18.9	42800	9.11.2023	23.04.2024
6	Mustard	RH-749	0.40	9.8	22230	Mustard	RH-749	0.40	17.4	43440	11.11.2023	23.04.2024
7	Mustard	RH-749	0.40	10.4	23240	Mustard	RH-749	0.40	16.9	42890	8.11.2023	22.04.2024
8	Wheat	DBW-303	0.40	29.5	37500	Wheat	DBW-303	0.40	68.5	51500	9.11.2023	20.04.2024
9	Wheat	DBW-303	0.40	28.2	38300	Wheat	DBW-303	0.40	64.1	51980	12.11.2023	20.04.2024
10	Wheat	HD-2967	0.40	23.4	31200	Wheat	HD-2967	0.40	48.4	52400	9.11.2023	27.04.2024
11	Wheat	HD-2967	0.40	25.2	35400	Wheat	HD-2967	0.40	46.2	53200	9.11.2023	26.04.2024
12	Wheat	HD- 2967	0.40	28.6	36800	Wheat	HD-2967	0.40	48.1	52000	9.11.2023	28.04.2024

#### 2) Preliminary Soil Data of Natural Farming Field (2022)

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 X 10 <sup>6</sup> CFU/gm soil	100	1.8 X 10 <sup>4</sup> 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
8		Pali	Sri Anirudh Kumar	9410039186	0.40
9		Dadri	Sri Satradev Arya	9711815157	0.40
10		Kasthala	Smt. Rinki	9458074675	0.40
11		Rahmapur	Sri Abhisekh	9560117622	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. Jitendra Kumar Arya	Horticulture	9412311554

### 6) Preliminary Soil Data of Natural Farming Field(2023)

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.)
		152	9.2	125	0.39	5.3	10	8.1	-	-	-	-	-	

### Training

SN	Dated	Topic	Place	Farmers No.
1	26-27 Dec 2023	Two Days natural farming	KVK Hastinapur	40
2	4 Jan 2024	One days Training programme	Jithauli, Block rajpura	200
3	22-23 July 2024	Two Days natural farming	KVK Hastinapur	40



## Hunger Free Village

S.N	Details of Adopted Village - Samaspur	
1	Name & Address	Village-Samaspur Block- Hastinapur, Meerut, Pin Code-250404
2	Name of Gram Pradhan	Smt Anju Mobile No.- 9265031745
3	Distance From KVK Hastinapur	09 Km
5	No. of Family in village	295

### On the Basis of Survey following problems were identified

Identified Constraints	Need based possible solution	Activities
Lack of knowledge about daily nutritional requirement	Knowledge enrichment about helthy eating pattern with all food groups + Poshan Thali for different age group	-Training and awareness programme
Unavailability and unawareness about right sources of nutrient dense and rich food	Establishment of round the year nutri-garden with bio fortified varieties of fruits & vegetables	Demonstration (Kitchen Gardening) - Training
Lack of dietary diversity	Nutrient enrichment through locally available food and plants	awareness programme Demonstration (Food Fortification)
Lower purchasing power	Association with SHGs	- Training and awareness



## Programmes Under Hunger Free Village

Programme	No. of Programme	Date	Participants
Awareness Programme on importance of millets and nutritive value	01	22.08.2024	20
Distribution of Millets Seeds (Kodo, Ragi)	01	22.08.2024	05
Food Fortification (Distribution of Multigrain Khichdi)	01	14.10.2024	06
Distribution of mini kits and bio fortified variety of vegetables for nutritional garden	01	15.10.2024	15
<b>Total</b>	<b>04</b>		<b>46</b>



## Activities under NARI programme (2024)

Activities	No. of activities	No. of benef.
Establishment of Nutritional Garden	30	30
Promotion of Bio-fortified crops	03	20
Demo for Value addition	03	75
Training programmes	07	140
Extension activities	04	60
<b>Total</b>	<b>47</b>	<b>325</b>



## Swachchhata Abhiyan 2024

S. No.	Programme	Date	Venue	No of participants
1	Awareness Programme for farm Women	20.03.2024	KVK Hastinapur	20
2	Awareness Programme for Swam sahaita Samooh	20.03.2024	KVK Hastinapur	40
3	Weeding out of office files	20.03.2024	KVK Hastinapur	08
4	Awareness Programme for farm Women	23.03.2024	KVK Hastinapur	85
5	Swachchhata Abhiyan	28.03.2024	KVK Hastinapur	80
6	Cleaning of KVK Campus	08.04.2024	KVK Hastinapur	06
7	Weeding out waste material	24.05.2024	KVK Hastinapu	05
8	Awareness Programme & Pledge among Aagan wadi worker	08.07.2024	Aagan Wadi Kendra	25
9	Cleaning of KVK Campus	17.08.2024	KVK Hastinapur	20
10	Taking Swachhta Pledge during the Pakhwada. (2)	15.09.2024	KVK Hastinapur	22
11	Ek Paid Maa ke naam	16.09.2024	KVK Hastinapur	12
12	Cleanliness Programme at KVK Premises	16.09.2024	KVK Hastinapur	20
13	Swachhta Run among children	17.09.2024	KVK Hastinapur	18
14	Awareness programme among students	18.09.2024	KVK Hastinapur	32
15	Swachhta SHAMWAD	19.09.2024	KVK Hastinapur	77
16	Swachhta CHAIN	20.09.2024	KVK Hastinapur	22
17	Human Chain	21.09. 2024	KVK Hastinapur	28
18	Mega Cleanliness Drives	22.09.2024	KVK Hastinapur	14
19	religious places	23.09.2024	KVK Hastinapur	27
20	Time bound transformation of difficult & black spots	24.09. 2024	KVK Hastinapur	16

21	Best Innovation	25 September, 2024	KVK Hastinapur	10
22	Preventive Health Check-ups	26 September, 2024	KVK Hastinapur	30
23	Access to Health Facilities & Services	27 September, 2024	KVK Hastinapur	10
24	Distribution of PPE Kits & safety gear	28 September, 2024	KVK Hastinapur	32
25	Social Welfare Linkages	29 September, 2024	KVK Hastinapur	71
26	Cleanliness drives in religious places	30 September, 2024	KVK Hastinapur	12
27	Safai Mitra Samman	01 October, 2024	KVK Hastinapur	07
	<b>Total</b>			<b>749</b>

### Budget Statement under Swachchhta Action Plan

SN	Year	Head	Opening Balance	Grant Received	Expenditure	Balance
1	Jan- March 2024	Swachchhta Action Plan	160	40000	40000	NIL



## Progress related to Shree Anna (Coarse Cereals)

Programme	No.	Participants
Awareness Programme	03	750
Training Programme	02	40
Demonstration	01	03
Exhibition	01	250
Programme for Aaganwadi	03	115
Millet Recipe Competition	02	100
<b>Total</b>	<b>12</b>	<b>1258</b>



## Animal Health Camp (2024)

SN	Village/ Block	Date	No. of Farmers	No. of Animals treated
1	Akbarpur sadat, Bahsooma	02.02.2024	100	600
2	Rahmapur, Hastinapur	09.10.2024	46	215
3	Kaul, Mawana	10.10.2024	30	221
<b>Total</b>			<b>176</b>	<b>1036</b>



**संवाददाता दैनिक भारत मोनू कुमार**

हस्तिनापुर। पशुपालन विभाग, सरदार वल्लभभाई पटेल कृषि एवं प्रौद्योगिकी विश्वविद्यालय तथा कृषि विज्ञान केंद्र, हस्तिनापुर के संयुक्त तत्वाधान से मवाना तहसील के ग्राम कौल में दीनदयाल पशु आरोग्य मेले का आयोजन हुआ। मार्गदर्शन कृषि विधि के कुलपति डा के के सिंह तथा उदघाटन मेरठ मंडल की आयुक्त सेल्वा कुमारी जे ने किया। उन्होंने वैज्ञानिक तरीकों से पशुपालन को अपनाकर अधिक दूध उत्पादन पर बल दिया। अपर निदेशक, पशुपालन विभाग डा राजेंद्र कुमार शर्मा ने सरकार द्वारा पशुपालन हेतु किसान क्रेडिट कार्ड योजना की जानकारी उपलब्ध देते हुये बताया कि इससे पशुओं की स्वानपान की व्यवस्था हेतु पशुपालक किसान क्रेडिट कार्ड (पशुपालन) बनवा सकते हैं। वेटेरिनरी मेडिसिन विभाग के विभागाध्यक्ष प्रो अमित वर्मा ने कहा कि कुछ किसान गाय से बिना गर्भित किये दूध उत्पादन में लाने हेतु किट का प्रयोग करते हैं जो न सिर्फ गैरकानूनी है बल्कि पशुओं के अण्डाशय में गॉठ बनने का मुख्य कारण होता है, जिससे गाय स्थायी रूप से बाँझ हो जाती है। इफको के मैनेजर डा के के चौहान द्वारा फसलों पर ड्रोन के माध्यम से नैनो यूरिया तथा नैनो डीएपी के स्प्रे का प्रदर्शन किया। शिविर में पशुचिकित्सक डा अमित वर्मा, डा अरविंद सिंह, डा अजित कुमार सिंह, डा विकास जायसवाल, डा आशुतोष त्रिपाठी, डा सोनिका ग्रेवाल, डा विष्णु राय तथा की टीम ने 221 पशुओं की स्वास्थ्य जाँच कर निशुल्क दवाओं का वितरण किया।



### पशुधन में बाँझपन निवारण से बटेगी किसानों की आय :- डा.सोनीका ग्रेवाल



**संवाददाता दैनिक भारत मोनू कुमार**

हस्तिनापुर। कृषि विश्वविद्यालय तथा कृषि विज्ञान केंद्र, हस्तिनापुर के पशुचिकित्सा वैज्ञानिकों द्वारा बुधवार को हस्तिनापुर ब्लॉक के ग्राम रहमापुर में इफको टोकियो जनरल इन्फोर्स लिमिटेड द्वारा वितरणीय परियोजना के माध्यम से पशुचिकित्सा शिविर का आयोजन किया गया। मार्गदर्शन कृषि विधि के कुलपति डा के के सिंह ने किया। कृषि विज्ञान केंद्र प्रभारी डा ओमवीर सिंह ने कहा कि निरविल पशुओं की समस्या का मूल कारण पशुधन में बाँझपन और वर्तमान में पशु चारे की कमी में अत्यधिक वृद्धि है। मेडिसिन विभाग के विभागाध्यक्ष प्रो अमित वर्मा ने किसानों को बताया कि साइलेंट हीट से प्रतिष्ठित पशु में गर्मी में आने की पहचान न होने के कारण पशु का कुंठित गर्भधान नहीं हो पाता है। इस समस्या के समाधान हेतु पशुओं को हरा चारा, संतुलित आहार तथा विटामिन युक्त खनिज मिश्रण मिलाना चाहिए। साथ ही सस्ते पशु को गर्मी में सस्ते के लिए आधुनिक दवाओं (हॉट इन्क्यूबटर) का उपयोग भी किया जा सकता है। शिविर में डा प्रेम सागर मौरा, डा अरविंद सिंह, डा अजित कुमार सिंह, डा अखिल पटेल, डा एम की जितिन, डा अशोक मल, डा सोनिका ग्रेवाल, डा विष्णु राय ने 47 किसानों के कुल 215 पशुओं की बीमारियों जैसे कुपोषण, बाँझपन, गर्भधान संक्रमण, परीजीवी रोग, ज्वर इत्यादि की जाँच कर निशुल्क दवाएँ दे तथा दो पशुओं में के रोग का आरंभ कर बगैरमेरु का उपचार भी मौके पर ही किया गया। शिविर के आयोजन में मोहित ग्राम प्रधान, काशीराम सहित अन्य ग्रामीण पशुपालकों ने सक्रिय योगदान दिया।

## 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
<b>I Crop Production</b>											
Integrated crop management	Natural farming	1	06	-	06	14	-	14	20	-	20
Integrated crop management	Vermin Composting	1	10	-	10	10	-	10	20	-	20
<b>Total</b>		<b>2</b>	<b>16</b>	<b>0</b>	<b>16</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>40</b>	<b>0</b>	<b>40</b>
<b>II Horticulture</b>											
<b>III Soil Health and Fertility Management</b>											
Organic farming	Natural Farming	2	35	0	35	05	0	05	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
Integrated Nutrient Management	Integrated Nutrient Management	1	18	0	18	02	0	02	20	0	20
<b>Total</b>		<b>04</b>	<b>72</b>	<b>0</b>	<b>72</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>80</b>	<b>0</b>	<b>80</b>
<b>IV Livestock Production and Management</b>											
Disease Management	<b>Mastitis its cause &amp; Prevention</b>	1	17	-	17	3	-	3	20	-	20
Feed management	<b>Nutritional management</b>	1	17	-	17	3	-	3	20	-	20
<b>Total</b>		<b>2</b>	<b>34</b>	<b>0</b>	<b>34</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>40</b>	<b>0</b>	<b>40</b>
<b>V Home Science/Women empowerment</b>											
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
<b>Total</b>		<b>2</b>		<b>07</b>	<b>07</b>		<b>33</b>	<b>33</b>		<b>40</b>	<b>40</b>
<b>VI Plant Protection</b>											
Integrated Pest Management	Insect Pest & Disease management in Sugarcane	01	17	-	17	03	-	03	20	-	20
Integrated Disease Management	Insect Pest & Disease management in Winter vegetables	01	13	-	13	07	-	07	20	0	20
<b>Total</b>		<b>02</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>40</b>	<b>0</b>	<b>40</b>
<b>GRAND TOTAL</b>		<b>12</b>	<b>152</b>	<b>7</b>	<b>159</b>	<b>48</b>	<b>33</b>	<b>81</b>	<b>200</b>	<b>40</b>	<b>240</b>

**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
<b>I Crop Production</b>											
Production Technology of Mustard	Production Technology of spring sugarcane	01	17	-	17	03	-	03	20	-	20
Production Technology of Mustard	Production Technology of Mustard	01	17	-	17	03	-	03	20	-	20
Production Technology of Mustard	Nursery raising of basmati Rice	01	17	-	17	03	-	03	20	-	20
Production Technology of Mustard	Introduction of fortified variety of wheat	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
Soil & water conservation	Water management in Rice	01	15	-	15	05	-	05	20	-	20
<b>Total</b>		<b>10</b>	<b>160</b>		<b>160</b>	<b>40</b>		<b>40</b>	<b>200</b>		<b>200</b>
<b>II Horticulture</b>											
<b>a) Vegetable Crops</b>											
Production of low value and high volume 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
<b>Total (a)</b>	Methods of sowing techniques	2	32	0	32	8	0	8	40	0	40
<b>b) Fruits</b>											
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
<b>c) Ornamental Plants</b>											
<b>Total (g)</b>		<b>10</b>	<b>169</b>	<b>0</b>	<b>169</b>	<b>31</b>	<b>0</b>	<b>31</b>	<b>200</b>	<b>0</b>	<b>200</b>
<b>III Soil Health and Fertility Management</b>											
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	Micro nutrient	3	50	0	50	10	0	10	60	0	60

crops	deficiency in crops										
Others (pl specify)	Natural farming	2	35	0	35	5	0	5	40	0	40
<b>Total</b>		<b>12</b>	<b>214</b>	<b>0</b>	<b>214</b>	<b>26</b>	<b>0</b>	<b>26</b>	<b>240</b>	<b>0</b>	<b>240</b>
<b>IV Livestock Production and Management</b>											
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
<b>Total</b>		<b>10</b>	<b>164</b>	<b>.-</b>	<b>164</b>	<b>36</b>	<b>-</b>	<b>36</b>	<b>200</b>	<b>-</b>	<b>200</b>
<b>V Home Science/Women empowerment</b>											
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
Others (pl specify)	Imp. of millets in diet& their nutritive value	1	-	9	9	-	11	11	-	20	20
<b>Total</b>		<b>10</b>	<b>0</b>	<b>105</b>	<b>105</b>	<b>0</b>	<b>95</b>	<b>95</b>	<b>0</b>	<b>200</b>	<b>200</b>
<b>VI Plant Protection</b>											
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
	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 spot diseases manag. in oilseeds crops	01	18	-	18	02	0	02	20	-	20
	Bio-control of pests and diseases	App. of bio agents in vegetables	01	20	-	20	-	-	0	20	-
<b>Total</b>		<b>10</b>	<b>179</b>	<b>0</b>	<b>179</b>	<b>21</b>	<b>0</b>	<b>21</b>	<b>200</b>	<b>0</b>	<b>200</b>
<b>GRAND TOTAL</b>		<b>62</b>	<b>886</b>	<b>105</b>	<b>991</b>	<b>154</b>	<b>95</b>	<b>249</b>	<b>1040</b>	<b>200</b>	<b>1240</b>

## 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
<b>I Crop Production</b>											
Integrated crop management	Natural farming	01	06	-	06	14	-	14	20	-	20
Integrated crop management	Vermin Composting	01	10	-	10	10	-	10	20	-	20
Production Technology of Mustard	Production Technology of spring sugarcane	01	17	-	17	03	-	03	20	-	20
Production Technology of Mustard	Production Technology of Mustard	01	17	-	17	03	-	03	20	-	20
Production Technology of Mustard	Nursery raising of basmati Rice	01	17	-	17	03	-	03	20	-	20
Production Technology of Mustard	Introduction of fortified variety of wheat	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
Soil & water conservation	Water management in Rice	01	15	-	15	05	-	05	20	-	20
<b>Total</b>		<b>12</b>	<b>176</b>		<b>176</b>	<b>64</b>		<b>64</b>	<b>240</b>		<b>240</b>
<b>II Horticulture</b>											
Production of low value and high volume 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
<b>Total (a)</b>	Methods of sowing techniques	2	32	0	32	8	0	8	40	0	40
<b>b) Fruits</b>											
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
<b>c) Ornamental Plants</b>											
<b>Total (g)</b>		<b>10</b>	<b>169</b>	<b>0</b>	<b>169</b>	<b>31</b>	<b>0</b>	<b>31</b>	<b>200</b>	<b>0</b>	<b>200</b>
<b>III Soil Health and Fertility Management</b>											
Organic farming	Natural Farming	2	35	0	35	05	0	05	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
Integrated Nutrient Management	Integrated Nutrient	1	18	0	18	02	0	02	20	0	20

Soil fertility management	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
<b>Total</b>		<b>16</b>	<b>286</b>	<b>0</b>	<b>286</b>	<b>34</b>	<b>0</b>	<b>34</b>	<b>320</b>	<b>0</b>	<b>320</b>
<b>IV Livestock Production and Management</b>											
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
<b>Total</b>		<b>12</b>	<b>198</b>	<b>0</b>	<b>198</b>	<b>42</b>	<b>0</b>	<b>42</b>	<b>240</b>	<b>0</b>	<b>240</b>
<b>V Home Science/Women empowerment</b>											
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
	Household food security by nutrition gardening through biofortified variety	1	-	03	03	-	17	17	-	20	20
Designing and development for high nutrient efficiency diet	Importance of poshan thali	1	-	20	20	-	0	0	-	20	20
Minimization of nutrient loss in processing	.Minimization of nutrient loss in processing	2	-	07	07	-	33	33	-	40	40
	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	-	08	08	-	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 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
Others (pl specify)	Imp. of millets in diet& their nutritive value	1	-	9	9	-	11	11	-	20	20
<b>Total</b>		<b>12</b>	<b>0</b>	<b>112</b>	<b>112</b>	<b>0</b>	<b>128</b>	<b>128</b>	<b>0</b>	<b>240</b>	<b>240</b>

<b>VII Plant Protection</b>											
Integrated Pest Management	Insect Pest & Disease management in Sugarcane	01	17	-	17	03	-	03	20	-	20
Integrated Disease Management	Insect Pest & Disease management in Winter vegetables	01	13	-	13	07	-	07	20	0	20
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
	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 spot diseases manag. in oilseeds crops	01	18	-	18	02	0	02	20	-	20
Bio-control of pests and diseases	App. of bio agents in vegetables	01	20	-	20	-	-	0	20	-	20
<b>Total</b>		<b>12</b>	<b>209</b>		<b>209</b>	<b>31</b>		<b>31</b>	<b>240</b>		<b>240</b>
<b>GRAND TOTAL</b>		<b>74</b>	<b>1038</b>	<b>112</b>	<b>1150</b>	<b>202</b>	<b>128</b>	<b>330</b>	<b>1240</b>	<b>240</b>	<b>1480</b>

**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	1	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
Value addition	Value addition of mango	1	0	05	05	-	05	05	0	10	10
Income Generations	Different products from Bandni techniques	1	0	01	01	-	09	09	0	10	10
Goat rearing	Goat Farming	1	28	0	28	02	-	02	30	0	30
<b>TOTAL</b>		<b>8</b>	<b>72</b>	<b>06</b>	<b>78</b>	<b>18</b>	<b>14</b>	<b>32</b>	<b>90</b>	<b>20</b>	<b>110</b>

**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	1	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
Value addition	Value addition of mango	1	0	05	05	-	05	05	0	10	10
Income Generations	Different products from Bandni techniques	1	0	01	01	-	09	09	0	10	10
Goat rearing	Goat Farming	1	28	0	28	02	-	02	30	0	30
<b>TOTAL</b>		<b>8</b>	<b>72</b>	<b>06</b>	<b>78</b>	<b>18</b>	<b>14</b>	<b>32</b>	<b>90</b>	<b>20</b>	<b>110</b>

**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	Male	Female	Total
Production of organic inputs	Natural farming concept and formulation	01	11	-	11	04	-	04	15	-	15			
Integrated Crop Management	Introduction of latest varieties of Paddy	01	11	-	11	04	-	04	15	-	15			
	Introduction of latest varieties of Wheat	01	11	-	11	04	-	04	15	-	15			
	Introduction of latest varieties of Sugarcane	01	11	-	11	04	-	04	15	-	15			
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	45	-	45			
Women and Child care	Importance of immunization in children	01	0	12	12	0	3	03	0	15	15			
Low cost and nutrient efficient diet designing	Importance of Poshan Thali	01	0	21	21	0	9	09	0	30	30			
Management in farm animals	Feed Management	02	26	-	26	14	-	14	40	0	40			
Livestock feed and fodder production	Disease management	01	15	-	15	5	-	5	20	0	20			
Household food security	Importance of nutritional garden	01	0	10	10	0	05	05	0	15	15			
	Minimization of nutrient loss	01	0	8	8	0	7	07	0	15	15			
<b>TOTAL</b>		<b>19</b>	<b>202</b>	<b>51</b>	<b>253</b>	<b>58</b>	<b>24</b>	<b>82</b>	<b>260</b>	<b>75</b>	<b>335</b>			

**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
Production of organic inputs	Natural farming concept and formulation	01	11	-	11	04	-	04	15	-	15
Integrated Crop Management	Introduction of latest varieties of Paddy	01	11	-	11	04	-	04	15	-	15
	Introduction of latest varieties of Wheat	01	11	-	11	04	-	04	15	-	15
	Introduction of latest varieties of Sugarcane	01	11	-	11	04	-	04	15	-	15
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	45	-	45
Women and Child care	Importance of immunization in children	01	0	12	12	0	3	03	0	15	15
Low cost and nutrient efficient diet designing	Importance of Poshan Thali	01	0	21	21	0	9	09	0	30	30
Management in farm animals	Feed Management	02	26	-	26	14	-	14	40	0	40
Livestock feed and fodder production	Disease management	01	15	-	15	5	-	5	20	0	20
Household food security	Importance of nutritional garden	01	0	10	10	0	05	05	0	15	15
	Minimization of nutrient loss	01	0	8	8	0	7	07	0	15	15
<b>TOTAL</b>		<b>19</b>	<b>202</b>	<b>51</b>	<b>253</b>	<b>58</b>	<b>24</b>	<b>82</b>	<b>260</b>	<b>75</b>	<b>335</b>



**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
SCSP & Aadan Vitran Programme	NCIPM, New Delhi ( Kisan Goshthi)	01	-	-		95	5		95	5	100
<b>GRAND TOTAL</b>		<b>01</b>				<b>95</b>	<b>5</b>		<b>95</b>	<b>5</b>	<b>100</b>

**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	490	1110	46	<b>1156</b>
Diagnostic visits	38	74	28	<b>102</b>
Field Day	12	262	12	<b>274</b>
Group discussions	08	103	125	<b>228</b>
Kisan Ghoshthi	12	1020	60	<b>1080</b>
Film Show	02	88	22	<b>110</b>
Self -help groups	06	520	0	<b>520</b>
Kisan Mela	02	860	65	<b>925</b>
Exhibition	04	1090	250	<b>1340</b>
Scientists' visit to farmers field	50	200	0	<b>200</b>
Celebration of important days	05	1890	370	<b>2260</b>
Special day celebration	01	3200	520	<b>3720</b>
Exposure visits	15	840	50	<b>890</b>
Others (pl. specify)	205	935	39	<b>974</b>
<b>Total</b>	<b>850</b>	<b>12192</b>	<b>1587</b>	<b>13779</b>



Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	0
Extension Literature	12
News paper coverage	35
Popular articles	15
Radio Talks	0
TV Talks	0
Animal health amps (Number of animals treated)	3
Others (pl. specify)	28
<b>Total</b>	<b>93</b>

**मेरठ जिला जागरण**  
**तापमान का लुढ़कना गेहूँ के लिए वरदान**

आलू में ब्लाइट, सरसों में ब्लाइट रस्ट की संभावना, गेहूँ की फसल की ग्रोथ पर भी लगा वेब

मेरठ में अने खारे रोले  
सस्से की फसल के रोले  
अनुसूची फसल के रोले

मेरठ में अने खारे रोले  
सस्से की फसल के रोले  
अनुसूची फसल के रोले

**पछेती आलू की फसल में लगा झुलसा रोग**

हस्तिनापुर। कस्बे के स्वामी कल्याण देव कृषि विज्ञान केंद्र के वैज्ञानिक डॉ. नवीन चंद्र ने किसानों को पछेती आलू की फसल में लगने वाले झुलसा रोग के बारे में जानकारी दी। डॉ. नवीन चंद्र ने क्षेत्र के गांव बसतोला नारंग, तारपुर, सैफपुर फिरोजपुर आदि के किसानों को जागरूक करते हुए बताया कि पछेती आलू में इस समय झुलसा रोग लगने की संभावना सबसे अधिक रहती है। उन्होंने बताया कि झुलसा रोग पछेती आलू की फसलों के लिए गंभीर जोखिम उत्पन्न करता है। पर्यावरणीय परिस्थितियों की निगरानी, लक्ष्णों की पहचान और काल्यायनी डिसिमिस (डाइमिथोमॉर्फ 50 WP) जैसे फफूंदनाशकों का उचित समय पर उपयोग कर किसान फसल का बेहतर उत्पादन सुनिश्चित कर सकते हैं। संवाद

**चौधरी चरण सिंह की जयंती को किसान दिवस के रूप में मनाया**

कानूनी प्रवक्ता जयंत चौधरी ने चौधरी चरण सिंह की जयंती को किसान दिवस के रूप में मनाया। कार्यक्रम में मुख्य अतिथि श्रीमती पूजा सिंह विधान सभा की अध्यक्षता में हुए कार्यक्रम की अध्यक्षता करने हुए कृषि विज्ञान केंद्र के वैज्ञानिक डॉ. नवीन चंद्र ने किसानों को जागरूक करते हुए बताया कि पछेती आलू में इस समय झुलसा रोग लगने की संभावना सबसे अधिक रहती है। उन्होंने बताया कि झुलसा रोग पछेती आलू की फसलों के लिए गंभीर जोखिम उत्पन्न करता है। पर्यावरणीय परिस्थितियों की निगरानी, लक्ष्णों की पहचान और काल्यायनी डिसिमिस (डाइमिथोमॉर्फ 50 WP) जैसे फफूंदनाशकों का उचित समय पर उपयोग कर किसान फसल का बेहतर उत्पादन सुनिश्चित कर सकते हैं। संवाद

**वैज्ञानिकों ने छात्रों को सिखाए आधुनिक खेती के गुर**

मेरठ में अने खारे रोले  
सस्से की फसल के रोले  
अनुसूची फसल के रोले

कृषि विज्ञान केंद्र में पशुधर वैज्ञानिकों की कक्षा

**हस्तिनापुर में खाद के किसानों को सर्दी में रास आ रही खीरी की खेती**

मेरठ में अने खारे रोले  
सस्से की फसल के रोले  
अनुसूची फसल के रोले

**फसलों को मिलेगा लाभ, सर्दी में भी होगा इजाफा**

मेरठ में अने खारे रोले  
सस्से की फसल के रोले  
अनुसूची फसल के रोले

Mobile Advisory Services

Message Type	Type of Messages						
	Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
Text only	315	27	22	18	62	45	489
Voice only	910	42	29	32	435	142	1590
Voice & Text both	0	0	0	0	0	0	0
<b>Total Messages</b>	<b>1225</b>	<b>69</b>	<b>51</b>	<b>50</b>	<b>497</b>	<b>187</b>	<b>2079</b>
<b>Total farmers benefitted</b>	<b>925</b>	<b>45</b>	<b>42</b>	<b>62</b>	<b>325</b>	<b>142</b>	<b>1541</b>

## Other Events

### Awareness Programme on natural Farming

Awareness programme on natural farming was organized at village Jithauli block Rajpura on dated 04.01.2024 by the KVK, Meerut. On the occasion Member of Board of management Sri Manohar Singh & Director Extension was the guest of the programme. The KVK Scientists Dr Rakesh Tiwari, Dr. Naveen Chandra, Dr Jitendra Arya & Dr. Shubham Arya was delivered lecture on natural farming



### Discussion with farmers regarding Sugercane crop management by the Green T.V. Channel

On Dated 02.02.2024 one day Kisan Mela organized by KVK Hastinapur and Discussion with farmers regarding Sugercane crop management by the Green T.V. Channel. On the occasion guest of the programme was deputy Director Agriculture, Meerut . In this programme 300 farmers and farm Women were participated.



## 16<sup>th</sup> Convocation at SVP University of Agril. & Technology

SVP University of Agril. & Technology, Meerut organized 16<sup>th</sup> Convocation On dated 21.02.2024 . On this occasion Hon'able Goverener of U.P. distributed Aaganwadi kit among of 10 aaganwadi worker from Hastinapur



## Live telecast of release of 16<sup>th</sup>.Kisan Samman Nidhi

On 28.02.2024, Krishi Vigyan Kendra showed live telecast of release of Kisan Samman Nidhi to 120 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



## Two days National Workshop on natural farming for sustainable Agricultural Development

Two days National Workshop on Agricultural Development and natural farming for sustainable Agricultural Development on dated 19-20 March 2024 ATARI Kanpur organized a workshop on natural farming for sustainable Agricultural Development. In the event Dr. Jitendra Kumar Arya KVK Hastinapur participated and presented a topic on natural farming for this he got recognition certificate for contributing important role in extension of natural farming



### Kisan Gosthi under SCSP Programme

On dated 23.03.2024, ICAR, National Indicator Pest management, Delhi organize one day kisan gosthi On insect & Pest management in zaid Crop at Krishi Vigyan Kendra Hastinapur in which 100 SC Farmers participated



### International Potato Diwas

On dated 30.05.2024 CPRI, Meerut organized a one days gosthi. In which Dr. Omvir Singh Prof. & head & progressive farmers of the Meerut district participated. In the event KVK Hastinapur got the appreciation certificate for contributing the extension of potato varieties and their production techniques among farmers.



### International Yoga Diwas 2024

Yoga Day 21.06.2024 was celebrated at KVK. In the celebration 75 farmers & farm women along with the KVK Staff Participated and on this occasion all the participants made aware importance of Yoga and their different type of Yoga techniques. Along with this total 519 participants took Yoga Pledge through online.



### Training of RAWE Students.

On dated 01.05.2024 to 30.06.2024 through krishi vigyan Kendra hastinapur, RAWE students of IIMT, Meerut served village of hastinapur block and also learned about soil testing, insect and pest management in crop and animal husbandry.



### Two Training for Ashikshit Mahila (On Badhni & Handy Craft Item

KVK hastinapur organized two training for Ashikshit Mahila (On Badhni & Handy Craft Item in month of June, July 2024. In this training 52 Farm women were participated.



### Tree Palntation (Month of July 2024)

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



## Kisan Chaupal Takniki Paricharcha

On Dated 19.07.2024 SVP Univ. & Agric. & Tech., Meerut organized Kisan Chaupal Takniki Paricharcha. On this occasion four progressive farmer and farm women from hastinapur were awarded special work in the field of intercropping with sugarcane and mustard, natural farming and multi grain khichdi



## Ek Paid Maa Ke Naam

Ek Paid Maa Ke Naam programme has been organized at KVK, Hastinapur on dated 21 & 29 August 2024. Under this programme head KVK, Hastinapur Dr. Omvir Singh and all staff planted one tree for Maa ke naam.



## Five Days Goat Farming Training for Rural Youths

On 09-13 September, 2024 a five days training programme for rural youths on the topic 'Integrated Commercial Goat Farming in Agriculture Production system' was organized by Krishi Vigyan Kendra Hastinapur at Sardar Vallabhbhai Patel Agriculture University. In the training programme total 30 participants were enrolled for the Goat farming training. The training was inaugurated by the Hon'ble vice chancellor Dr. K.K. Singh. In this occasion Dr. P.K. Singh Dir, Ext. and Dr. Omvir Singh, Prof & Head, KVK Hastinapur, graced the event. During 5 days training programme various experts in the field of animals husbandry and bank officials delivered their lectures through presentations and few practical demonstration also included in the training schedule to enhance farmers understanding of scientific way of goat farming. Five days Training programme for Goat farming was organized by Dr. Sonika Grewal, Animal Scientist, and KVK Hastinapur.



## Kisan Samman Diwas

On Dated 23.12.2024 Krishi Vigyan Meerut and collaboration with Deptt. of agricultural and farmer welfare, New Delhi organized Kisan Samman Diwas at Village Narangpur. On this occasion Five progressive farmer were awarded special work in the field of intercropping with sugarcane and mustard, natural farming & Potato production. In this programme four FPO and 100 farmer were participated .



## VIII. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

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

## 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
Oilseeds	Mustard			85.10	463695.0	
Others (Fodder)					187310.00	
<b>Total</b>					<b>651005.00</b>	

## X. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil		405		45690.00
Water				
<b>Total</b>				

## XI. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted	Date of SAC
Meerut	01	18 November 2024

## XII. NEWSLETTER/MAGAZINE

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

## XIII. PUBLICATIONS

Category	Number
Books	-
Technical bulletins	03
Research Paper	01
Lead Papers	-
Book Chapters	-
Popular Articles	02
Newsletters	15
Technical reports	10
Others (pl. specify)	-

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

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

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

Animal health camps organised

Number of camps	No. of animals	No. of farmers
02	1036	176
<b>Total</b>	<b>1036</b>	<b>176</b>

Large scale adoption of resource conservation technologies

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

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
<b>Total</b>												

#### 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
<b>Total</b>				

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

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

XIV. CASE STUDIES (CASE STUDIES MAY BE GIVEN IN DETAIL AS PER THE FOLLOWING FORMAT)

## XIX Achievement of Special programmes

### 1) Activities performed under NARI programme

**Table-1.1: 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
30	30	03	03	03	75	10	200	05	130

**Table-1.2: Details of Bio-Fortified Crops used for nutritional security under NARI programme**

Category	Bio Fortified Crop	Variety	Area (ha)	No of Beneficiaries
Cereal	Maize			
	Rice			
	Wheat			
Millet	Finger millet	Distribution of Kodu, Ragi under hunger free village	1.0	05
	Pearlmillet			
	Sorghum			
Oilseed	Groundnut			
	Mustard			
Pulses	Lentil			
	Lathyras			
Vegetable	Palak	Vilayti Palak	10 Sqm	10
	Radish	Pusa Jamuni	10 Sqm	10
Tuber	Sweet Potato			
<b>Total</b>				<b>25</b>

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

3)

Sample	No. of Samples	No. of Farmers	No. of Villages	Amount realized	No. of Soil Health Cards issued
Soil	405	405	15	-	
Water					
Plant					
Manure					405
<b>Total</b>					

4) Achievements under Swachhata Abhiyan Mission

S.No.	Items	No. of Programmes	No. of persons participated
1	Toilet maintenance	02	12
2	Road, drain cleaning	05	60
3	Garbage disposal	06	25
4	Door to door awareness	07	295
5	Awareness campaign	05	307
6	Student Rally	02	50

**Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut- 250 110**

**Details of Head-wise Expenditure for 2024-2025 of KVK Meerut**

					Expenditure upto	Till Date ( in rupees)
SN	Particulars	Grant Sanctioned for 2024-25	Grant Received for 2024-25	Actual Expenditure for 2024-25	Balance	Ramarks
<b>A</b>	<b>Recurring Items</b>					
1	Pay & Allowances	206.00				
2	Travelling Allowances	1.10		59857.0	50143.0	
3	HRD	0.50		4000.0	46000.0	
4	<b>Contigencies</b>					
	a) Expenditure on Office Running	3.00		227660.0	72340.0	
	b) POL	1.25		65119.0	59884.0	
	<b>c) Vocational Training</b>					
	i) Meals/Refreshment for trainees	3.0		155206.0	144794.0	
	ii) Training/Demostration Material	0.50		44109.0	5891.0	
	d) F.L.D.(Other than oil seed & pulses)	2.0		149770.0	50230.0	
	e) On Farm Trial	0.50		40052.0	9948.0	
	f ) Training of Extn. Functionaries	0.25		10000.0	15000.0	
	g) Library Maintenance	0.05		4477.0	523.0	
	h) Farmer's Fair	-				
	i) Misc. Expenditure	-				
	<b>Total (A)</b>	<b>218.15</b>	<b>12.15</b>	<b>7.70</b>	<b>4.55</b>	
<b>B</b>	<b>Non-Recurring items</b>					
	a) Equipment					
	b) Works					
	c) Library					
	d) Vehicle					
	<b>Total (B)</b>					
<b>C</b>	<b>Revolving Fund</b>					
	<b>Total (C)</b>	<b>218.15</b>	<b>12.15</b>	<b>7.70</b>	<b>4.55</b>	
	<b>Grand Total (A+B+C)</b>					

-----XXXXXXXX-----