

**PROFORMA FOR PREPARATION OF ANNUAL REPORT (Jan-2023-Dec. 2023)****APR SUMMARY**

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

**1. Training Programmes**

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	67	967	373	1340
Rural youths	11	70	40	110
Extension functionaries	21	332	118	450
Sponsored Training	25	280	-	280
Vocational Training	11	70	40	110
<b>Total</b>	<b>135</b>	<b>1719</b>	<b>571</b>	<b>2290</b>

**2. Frontline demonstrations**

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	50	20.0	-
Pulses	50	20.0	-
Cereals	15	6.0	-
Vegetables	55	3.6	-
Other crops	35	2.8	-
Hybrid crops	-	-	-
<b>Total</b>	<b>200</b>	<b>52.4</b>	<b>-</b>
Livestock & Fisheries	10	-	10
Other enterprises	-	-	-
<b>Total</b>	<b>10</b>	<b>-</b>	<b>10</b>
<b>Grand Total</b>	<b>215</b>	<b>52.4</b>	<b>10</b>

**3. Technology Assessment & Refinement**

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
<b>Technology Assessed</b>			
Crops	02	10	10
Livestock	02	09	09
Various enterprises	02	90	90
<b>Total</b>	<b>06</b>	<b>109</b>	<b>109</b>
<b>Technology Refined</b>			
Crops			
Livestock			
Various enterprises			
<b>Total</b>			
<b>Grand Total</b>	<b>06</b>	<b>109</b>	<b>109</b>

**4. Extension Programmes**

Category	No. of Programmes	Total Participants
Extension activities	257	6800
Other extension activities	47	Mass
<b>Total</b>	<b>304</b>	<b>6800</b>

## 5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
Moradabad	Text only	30	20	-	21	75	25	171
	Voice only							
	Voice & Text both							
	<b>Total Messages</b>	<b>171</b>						
	<b>Total farmers Benefitted</b>	<b>171</b>						

## 6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	127.92	361491.25.00
Planting material (No.)	24000	650.00
Bio-Products (kg)		
Livestock Production (No.)		
Fishery production (No.)		

## 7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	-	-
Water		
Plant		
<b>Total</b>	<b>-</b>	<b>-</b>

## 8. HRD and Publications

Sr. No.	Category	Number	No. of Participants
1	Workshops	02	Mass
2	Conferences	02	Mass
3	Meetings	-	-
4	Trainings for KVK officials	07	13
5	Visits of KVK officials	32	423
6	Book published	02	Mass
7	Training Manual	01	Mass
8	Book chapters	-	-
9	Research papers	-	-
10	Lead papers	-	-
11	Seminar papers	-	-
12	Extension folder	06	Mass
13	Proceedings	02	Mass
14	Award & recognition	08	10
15	On going research projects	01	Mass

# 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Krishi Vigyan Kendra	Office	FAX	
Babugarh, Hapur (U.P.) - 245101	-	-	hapurkvk@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Directorate of Extension	0121-2888511	0121-2888511	deesvpuat2014@gmail.com
<b>S.V.P.U. Agri. &amp; Tech., Meerut</b> (U.P.) - 250110			

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Arvind Kumar	-	9410443028	hapurkvk@gmail.com

## 1.4. Year of sanction: 2018(ICAR, Letter No.A.Extn.7/4/2016-AE-II 08June 2018)

## 1.5. Staff Position (as on 31<sup>st</sup> December. 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Subject	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Age	Email id
1	Sr. Scientist & Head	Dr.Arvind Kumar	Associate Prof & OIC	Plant Protection	37400-67400	156900	10.12.03	Permanent		9410443028	50	arvidkvk@rediffmail.com
2	Subject Matter Specialist	Dr. P. K. Madke	SMS/Asst. Prof	A.H & Dairying	15600-39100	104100	27.06.08	Permanent		8920593039	49	dr.madke74@gmail.com
3	Subject Matter Specialist	-	-	Plant breeding	15600-39100							
4	Subject Matter Specialist	Dr. Vijendra Pal	SMS/Asst. Prof.	Horticulture	15600-39100	104100	20-08-2008	Permanent		9456662212	52	vyngangwar77@gmail.com
5	Subject Matter Specialist	Dr. Vinita Singh	SMS	Home Science	15600-39100	57800	11-07-2022	Permanent		8840836503	34	vinitasrbhu13@gmail.com
6	Subject Matter Specialist	Dr. Neelam Kumari	SMS	Agriculture Ext.	15600-39100	57800	01-09-2022	Permanent		7494865713	30	kumarineelam440@gmail.com
7	Subject Matter		SMS	Vacant	15600-39100							

	Specialist											
8	Prog. Assistant	Smt. Akansha Chauhan	Prog. Assistant /Lab technician	-	9300-34800	43600	11.04.16	Permanent		9758093880	32	akul2akansha1@gmail.com
9	Prog. Assistant	Sri. Nagendra Pratap Singh	Computer Programmer/ Programme Assistant	PGDCA	9300-34800	58600	01-09-2007	Permanent		9412060554	49	nagendrapratap1973@gmail.com
10	Farm Manager	Dr. Ashok	Farm Manager	Soil Science	9300-34800	58600	30-07-2007	Permanent		9412405845	49	drashoksengar123@gmail.com
11	Accountant / Superintendent	Sri. P.K. Agarwal	Accountant / Superintendent	Accounts	9300-34800	Addi. charge	26.12.08	Permanent		9456255103	47	-
12	Stenographer / computer operator	Sh. Yogendra kumar Sharma	Stenographer/ computer operator	-	5200-20200	44100	27.07.07	Permanent		9456687355	45	sharmayks71@gmail.com
13	Driver	Sri Mukesh	Driver	-	5200-20200	39200	08.12.03	Permanent		9458739410	47	-
14	Driver	Vacant	-	-	-	-	-	-		-	-	-
15	Supporting staff	Shri T.B.Ale	Cook	-	2550-3290	38600	01-07-1988	Permanent		9997611921	59	
16	Supporting staff	-	-	-	-	-	-	-		-	-	-

**1.6. Total land with KVK (in ha) : 12.0 ha**

S. No.	Item	Area (ha)
1	Under Buildings (Adim. + Farmer's Hostel + Residence + Demonstration Units)	1.5
2.	Under Crops	9.4
3.	Barran Land (Problematic & sodicity)	0.5
4.	Orchard/Agro-forestry	0.6
5.	Land encroachment	-
	<b>Total</b>	<b>12.0</b>

## 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.) Lac	Starting date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR		510				Completed
2.	Farmers Hostel	ICAR		300				-
3.	Staff Quarters (6)	ICAR		431				-
4.	Demonstration Units (2)	ICAR		160				-
5	Fencing	ICAR		2000 R/M				-
6	Rain Water harvesting system	-	-	-				-
7	Threshing floor	ICAR		300				-
8	Farm godown	ICAR		60				-
9	Irrigation Channel	ICAR		1000 M				-

### B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.) Lac	Total kms. Run	Present status
Tractor	Transfer from KVK GB Nagar model 2006	-	272 hours	Not Working condition
Bolero Jeep	March 2022	8.0	20000	Working
Motor cycle				

**C) Equipments & AV aids - NA**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
L.C.D. Projector			
U.P.S.			
Solar (Lalten)			
Electric Padestral Fan			
Padestral Fan			
11 cultivator			
14 Tawa Harrow			
Leveller			
Nepsake Spray (Plastic)			
Foot Sprayer			
Disk Bund Farmer			
Seed Drill			
Hand Rotary Fan			
Trailer for Tractor			
Hand Vinoi Fan			
S.D. Memory cord of LCD with Recorder			
Solar domestic ligh (Model IV)			
Computer & Printer	March 2022	0.50	Working

**1.8. A). Details SAC meeting\* conducted in the year**

वैज्ञानिक सलाहकार समिति की छठम बैठक का आयोजन दिनांक – 08 नवम्बर, 2023 को केन्द्र पर हुआ। जिसमें निम्न संस्तुतियों बैठक में उपस्थित विभिन्न विभागों से आये हुये अतिथियों एवं उन्नतशील कृषकों द्वारा दिये गये सुझावों का विवरण –

Sl.No.	Name of participants	Designation	Silent Recommendations	Action taken
1	डा० पी०के० सिंह	निदेशक प्रसार प्रसार निदेशलय स०व०प० कृषि एवं प्रौ०, वि०वि०, मेरठ	i. जिले की समस्याओं से सम्बन्धित ओ०एफ०टी० व कम्पोजीनेटिव आधार पर ओ०एफ०टी० बनाये।	समस्त वैज्ञानिक
			ii. हंगर फ्री विलेज पर कार्ययोजना बनाकर उस पर क्रियान्वयन करें।	डा० विनिता सिंह वि०व०वि० (गृह विज्ञान)
			iii. प्राकृतिक खेती के प्रचार-प्रसार पर व्यापक रूप से कार्य करें।	डा० पी०के०मडके वि०व०वि० / सहा० प्रा० (पशु विज्ञान)

2	ब्रिगेडियर संजीव भल्ला	कमांडेंट ई.बी.एस. बाबूगढ, हापुड	(क) चारा प्रबन्धन पर पशुपालको को के लिये प्रशिक्षण व जागरूकता अभियान आयोजित किये जाने का सुझाव दिया।	डा0 पी0के0मडके वि0व0वि0 / सहा0प्रा0 (पशु विज्ञान)
3	डा0 अशोक कुमार मोहंती	निदेशक, भा.कृ.अनु.प. – केन्द्रीय गोवंश अनुसंधान संस्थान, मेरठ	(क) पशुओं में टीकाकरण हेतु पशु टीकाकरण प्रशिक्षण अभियान को पशुपालन विभाग के साथ मिलकर आयोजित करे।	डा0 पी0के0मडके वि0व0वि0 / सहा0प्रा0 (पशु विज्ञान)
4	डा0 के0जी0यादव	प्राध्यापक (सस्य विज्ञान) प्रसार निदेशलय स0व0प0 कृषि एवं प्रौ0, वि0वि0, मेरठ	(क) कृषक उत्पादन संगठन एवं स्वयं सहायता समूह की जानकारी प्रशिक्षण के माध्यम से कृषकों को दी जाये।	समस्त वैज्ञानिक
5	डा0 एस0के0 त्रिपाठी	सहा0 प्राध्यापक (उद्यान) प्रसार निदेशलय स0व0प0 कृषि एवं प्रौ0, वि0वि0, मेरठ	i. केन्द्र के प्रक्षेत्र पर सब्जी काफ कैफेटेरिया के अन्तर्गत सब्जियों की विभिन्न प्रजातियों पर प्रदर्शन लगाने एवं जैविक उर्वरको के प्रयोग हेतु प्रशिक्षण देने का सुझाव दिया।	डा0 विनिता सिंह वि0व0वि0 (गृह विज्ञान)
6	डा0 बी0बी0द्विवेदी	उपनिदेशक कृषि, हापुड	i. फसल अवशेष प्रबंधन पर जागरूकता कार्यक्रम करने का सुझाव दिया।	समस्त वैज्ञानिक
7	श्री हर्षवर्धन त्यागी	आरंभशील कृषि उत्पादक संगठन	i. कृषि विज्ञान केन्द्र द्वारा आरंभशील कृषि उत्पादक संगठन के सहयोग से महिला कृषकों को रोजगार परक प्रशिक्षण देने का सुझाव दिया।	डा0 विनिता सिंह वि0व0वि0 (गृह विज्ञान)
8	श्री ओमवीर सिंह	सदस्य, वैज्ञानिक सलाहकार समिति	i. केन्द्र के प्रक्षेत्र पर शोभाकारी फूलों का कॉफकैफेटेरिया लगायें एवं शोभाकारी फूलों में उर्वरक प्रबन्धन पर प्रशिक्षण आयोजित करने का सुझाव दिया।	डा0 वीरेन्द्र पाल गंगवार वि0व0वि0 / सहा0प्रा0 (उद्यान)
9	श्री रामकुमार	सदस्य, वैज्ञानिक सलाहकार समिति	i. राज्य सरकार व केन्द्र सरकार द्वारा संचालित परियोजनाओं की जानकारी कृषकों तक पहुँचाये।	डा0 नीलम कुमारी वि0व0वि0 / टी06 (कृषि प्रसार)
10	श्रीमती कविता	सदस्य, वैज्ञानिक सलाहकार समिति	i. केन्द्र द्वारा मूल्य सर्वधन पर महिलाओं को रोजगार परक प्रशिक्षण देने का सुझाव दिया।	डा0 विनिता सिंह वि0व0वि0 (गृह विज्ञान)

## 2.0 DETAILS OF DISTRICT (31<sup>st</sup> Dec., 2023)

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

S. No	Farming system/enterprise
1.	<b>Major crops</b> – Paddy, wheat, mustard, sugarcane, Aehar, Urd, potato, Cabbage & Chilly
2.	<b>Crop rotation</b> – Rice- sugarcane, Rice- wheat, urd-mustard-Cabbage, Potato-Maize, Urd – Wheat- Jowar(Fodder).
3.	Agriculture + Hort. + Livestock
4.	<b>Crop+ Dairy +Horticulture+ Bee keeping +Poultry/Fisheries/Mushroom, Vermi compost</b>
5.	Landless + Livestock

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

S. No.	AES	Characteristics of A.E.S.	Major commodities	Farming system	Block
1	I- Central western plain zone of the district	-Loam and clay loam with high fertility - medium rainfall	Rice, wheat, Cabbage, sugarcane, chili, cauliflower, cabbage, mango, guava, buffalo, cows	Paddy, wheat, sugarcane+ Poplar+ A.H. (Cow, buffalo)	Hapur, Gharmukteshwar, Dholana,
2	II. Central western Plain zone/ Central east southern region of the district	-Sandy loam to loam soil of medium fertility - medium rainfall	Rice, wheat, mentha, sugarcane, mustard as well as vegetables (pea, Cabbage, chili, tomato, potato) and mango fruit, buffalo, cows	Paddy, wheat, potato, sugarcane, Cabbage, mustard-based systems + horticulture + A.H.	Simbhawali
3	III Central western plain zone/ central region of the district	-Sandy loam to loam and clay soil of medium fertility - medium rainfall	Rice, wheat, Cabbage, sugarcane, potato, guava, mango, poplar etc.	Paddy, wheat, sugarcane, Cabbage based systems + A.H.+ Hort.	Gharmukteshwar

### 2.3 Soil type/S

Sl. No	Soil type	Characteristics	Area ('000ha)
1	Clay loam	Clay loam	11.4
2	Sandy loam	Sandy loam	24.7
3	Loam	Loam	40.8
	<b>Total</b>		76.9



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

S. No	Crop	Area (ha)	Production (MT)	Productivity (q /ha)
<b>A</b>	<b>FIELD CROPS INCLUDING OIL SEEDS AND PULSES</b>			
1.	Wheat	42279	187000	44.23
2.	Lentil	231.00	2226	9.64
3.	Toria	2238.00	2229	10.25
4.	Mustard	2404	10.5	23.17
5.	Paddy (Rice)	28458	56667.00	34.33
6.	Maize	1995	48837.6	24.48
	Urd	1122.00	6911	6.16
	Moong	6500.00	23055	4.47
	Arhar	1186.00	248.8	10.8
7.	Sugarcane	36.4	833.12	920.85
<b>B</b>	<b>VEGETABLES</b>			
1.	Potato	1071	240.36	230.03
2.				
3.				
4.				
5.				

## 2.5 Weather data (rainfall in mm.) Dist. Moradabad

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
Jan.	0.50	16.0	14.0	85	
Feb.	18.47	22.0	16.0	80	
March	4.96	29.5	18.0	60	
April	55.1	38.07	21.3	29.30	
May	21.6	41.37	25.35	28.32	
June	15.6	25.20	12.00	58.50	
July	20.6	40.37	26.10	25.25	
Aug.	54.1	38.09	21.35	29.40	
Sep.	15.6	25.20	12.00	58.50	
Oct.	0	32.00	20.23	25.21	
Nov.	0	22.0	18.0	62	
Dec.	0	18.0	16.0	70	
<b>Avg.</b>	<b>17.21</b>	-	-	-	-

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

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	<b>40263</b>	<b>Data not available</b>	<b>9.56Litre Milk / day</b>
<i>Indigenous</i>	-		
<b>Buffalo</b>	<b>161321</b>		<b>5.90 / day</b>
<b>Cow</b>	<b>40263</b>		<b>9.56Litre Milk / day</b>
<b>Sheep</b>			
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	<b>1335</b>		<b>0.50 / day</b>
<b>Goats</b>	<b>37523</b>		<b>0.32 / day</b>

<b>Pigs</b>			
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	<b>4675</b>	-	-
<b>Rabbits</b>	<b>Data not available</b>	<b>Data not available</b>	<b>Data not available</b>
Hens			
<i>Desi</i>			
<i>Improved</i>			
Ducks			
Turkey and others			
Fish			

## 2.7 Details of operation area/villages (31<sup>st</sup> Dec., 2023)

S. No.	Taluk/Village	Name of block	Major crops & enterprises	Major problem identified	Identified thrust area
1	Upeda	Hapur	Paddy, Wheat, Sugarcane Pea, Mustard, Poplar, Dairy	Low Productivity of paddy, wheat, mustard, urd etc. The main reason of low yield is due to lack of high yielding varieties, imbalance use of fertilizer & less awareness of insect and disease control timely.	Diversification in agriculture Lack of high yielding varieties. Less availability of plant protection measures.
2	Sikhera	Sambhawali	Paddy, Wheat, Sugarcane Banana, Mustard, Poplar, Dairy	Low Productivity of paddy, wheat, mustard, urd etc.  The main reason of low yield is due to lack of high yielding varieties, imbalance use of fertilizer & less awareness of insect and disease control timely. Low yield of paddy, wheat, mentha & mustard	Diversification in agriculture Lack of high yielding varieties. Less availability of plant protection measures.  Heavy infestation of weeds.
3	Badgpur	Hapur	Paddy, Wheat, Sugarcane Banana, Mustard, Dairy, Chilli, bottle guard, colocacia	Poor milk production and infertility in animals. Lack of knowledge of quality planting material and production	Diversification in Agriculture. Use of improved variety and IPM, ICM.

				technology in horticultural crops. Low yield of paddy, wheat, mentha & mustard	Heavy infestation of weeds.
4	Dhatiyana	Sambhawali	Paddy, Wheat, Sugarcane Papaya, Mustard, Poplar, Dairy	Use of local varieties of different crops by the farmers.  Pest problems  Low yield of paddy, wheat, mentha & mustard	Diversification in Agriculture.  Use of improved variety and IPM, ICM.  Heavy infestation of weeds.
5	Atoota	Sambhawali	Paddy, Wheat, Sugarcane  Mentha, Mustard, Dairy, Poplar,Chilli, Onion, Gartic, Cucurbits.	Lack of knowledge of improved varieties of different crops. - Pest problems - Lack of knowledge of inter cropping - Crop management & nutrient management. - Disease & insect control of cereals and vegetable crops. - Poor milk production and infertility in animals	Diversification in agriculture. Use of improved varieties.  Inter cropping technique. Crop management.  Weed control  Unawareness of diseases and insect control.
6	Simmroli	Hapur	Paddy, Wheat, Sugarcane  Mustard, Dairy, Poplar,Chilli, Onion, Gartic, Cucurbits.	Lack of knowledge of improved varieties of different crops. - Pest problems - Lack of knowledge of value addition& nutrient management in women. - Disease & insect control of cereals and vegetable crops. - Poor milk production and infertility in animals	Diversification in agriculture. Use of improved varieties.  Value addition & Nutri thali.  Weed control  Unawareness of diseases and insect control. Dairy management

## 2.8 Priority thrust areas

S.N.	Crop/ Enterprise	Thrust area
1.	Rice/Wheat	Integrated plant nutrient management in rice -wheat cropping.
2.	Rice/Wheat	Integrated weed management in rice -wheat cropping
3.	Pulses	Enhancing the area under Kharif & Rabi pulses
4.	Oil seeds	Enhancing the area under Kharif & Rabi oil seeds.
5.	Cereals/Pulses/ Oil seeds	IPM in crops
6.	Cereals/Pulses/ Oil seeds	Promotion of new released varieties.
7.	Seed production	Promotion of seed production in different crops.
8.	Mango	Rejuvenation of old mango orchards
9.	Guava	Management of Guava orchards.
10	Vegetables	Promotion of organic farming in vegetables.
11	Floriculture	Promotion of income generating crops.
12	Bee-keeping	Popularization of Bee-keeping
13	Vermi compost	Popularization of Vermi composting

### 3.0 TECHNICAL ACHIEVEMENTS

#### 3.A. Details of targeted mandatory activities by KVK during Jan. 2023- Dec. 2023

OFT (Technology assessment & refinement)				FLD (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
09	06	42 & 08 Animals	100 & 09 Animals	45.2 & 20 Animal	12.4 & 10 Animals	145	115 & 10 Animals

CFLD (Oilseeds,Pulses,)			
3			
Area in ha.		Number of Farmers	
Targets	Achievement	Targets	Achievement
70.0	40.0	175	100

	Training (including sponsored, vocational trainings)				Extension Activities			
	4				5			
	Number of Courses		Number of Participants		Number of activities		Number of participants	
Clientele	T	A	T	A	T	A	T	A
Farmers	82	67	1640	1340	362	304	5439	6800
Rural youth	10	11	80	110				
Ext. Functionaries	20	21	200	450				

Seed Production (Qtl.) (Commercial)			Planting material (Nos.)		
6			7		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	127.92	Kribhco & NSC	20000	24000	20

## I.A TECHNOLOGY ASSESSMENT

### A. Summary of technologies assessed under various **CROPS** by KVKs

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of Farmers
Integrated Nutrient Management				
Varietal Evaluation	Paddy	To assess the adoptability of newly released scented rice variety for higher yield.	01	05
	Gladiolus	To assessment of high yielding Gladiolus variety	01	05
Integrated Pest Management				
Integrated Crop Management				
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology				
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Post Harvest Technology / Value addition				
Drudgery Reduction				
Storage Technique				
<b>Total</b>			<b>02</b>	<b>10</b>

### B. Summary of technologies assessed under livestock by KVKs

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Disease Management				
Evaluation of Breeds				
Feed and Fodder management				
Nutrition Management	Buffalo	Assessment of conventional and <b>Bye-pass protein</b> to enhancing milk yield.	01	04
	Buffalo	Evaluation of different feed supplement to check the infertility in milch animals	01	05
Production and Management				
Others (Pl. specify)				
<b>Total</b>			<b>02</b>	<b>09</b>

### C. Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
Value Addition	Badi	Assessment of Nutritional Management & income generation through preparation of Badi from different pulses and vegetable and spices	01	10
Capacity Building	FPOs	Linking farmers with FPO's for increasing their income	01	80

## I.B. TECHNOLOGY ASSESSMENT IN DETAIL

### OFT -1

### **DAIRY NUTRIENT MANAGEMENT (Zaid 2023)**

<b>Problem definition</b>	Low milk yield and income due to conventional ration feeding.
<b>Technology assessed or refined</b>	Assessment of conventional and <b>Bye-pass protein</b> to enhancing milk yield.
<b>No. of Farmers</b>	04

KVK, Hapur conducted on-farm trial on conventional and **Bye-pass protein** to enhancing milk yield.

Technology Option	No. of trials	Milk prod. (lit./day)	Increase in milk prod. (%)	Lactation period in days	Gross Cost (Rs.)	Gross Return (Rs.)	Net Return (Rs./ha)	B:C Ratio
T <sub>1</sub> – Farmers practice (Conventional feed-Use of choker and cakes)	04	10 lit.	-	150	22500	67500	45000	1:1.5
T <sub>2</sub> – <b>Bye-pass protein @ 3 kg/day/animal</b>		11 lit.	8.3%	190	32090	94050	61960	1:1.52

<b>Recommendation</b>	T <sub>2</sub> - groups of buffaloes were much health due to the used Bye-pass protein as compared to T <sub>1</sub> – group of buffaloes were improved milk production as compared to T <sub>1</sub> – group of buffaloes.
<b>Farmers reactions</b>	Farmers agree that improvement of milk production on buffaloes through the trial conducted to find as T <sub>2</sub> – treatment used Bye-pass protein feed were helpful to increase milk production compared to T <sub>1</sub> treatment of buffaloes.
<b>Date of Distribution</b>	03 Feb. 2023



## OFT - 2

### **VARIETAL EVALUATION (Kharif 2023)**

<b>Problem definition</b>	Low yield and use of old variety.
<b>Technology assessed or refined</b>	To assess the adoptability of newly released scented rice variety for higher yield.
<b>No. of Farmers</b>	05

KVK, Hapur conducted on-farm trial on high yielding variety of paddy under rice-wheat system of cultivation. The result showed that PB - 1718 gave higher yield 54.8 q/ha. with net return (Rs. 75900/- per ha.).

<b>Technology Option</b>	<b>No.of trials</b>	<b>Yield (Kg/ha)</b>	<b>Increase in yield (%)</b>	<b>Net Return (Rs./ha)</b>	<b>B:C Ratio</b>
T <sub>1</sub> – Farmers practice (PB 1509)	05	48.6	-	54440	1:1.62
T <sub>2</sub> – PB 1718		54.8	12.8	75900	1:1.85

**Recommendation** The data shown in table that T<sub>2</sub> (PB 1718) was higher grain yielder as compare to farmers practice. and recommending that PB 1509 variety of paddy may be replace by the variety PB 1718.

**Farmers reactions** Use of PB 1718 variety of paddy is more beneficial than other variety.

**Date of nursery sowing** 12-16 June 2023 & 28-30 Oct. 2023.

**& harvesting**

### OFT - 3

## VARIETAL EVALUATION (Rabi 2023-24)

**Problem definition** Low yield due to local variety.

**Technology assessed or refined** To assessment of high yielding Gladiolus variety.

**No. of Farmers** 05

KVK, Hapur conducted on-farm trial on high yielding variety of Gladiolus.

Technology Option	No.of trials	Yield (Kg/ha)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T <sub>1</sub> – Farmers practice (Sancery)	05	-	-	-	-
T <sub>2</sub> – Pusa Chandni		-	-	-	-

**Recommendation** Result awaited

### Farmers reactions

**Date of nursery sowing** 05 Oct. 2023.

**& harvesting**

## OFT - 4

### **DAIRY NUTRIENT MANAGEMENT (Kharif 2023)**

<b>Problem definition</b>	Infertility in Buffalo.
<b>Technology assessed or refined</b>	Evaluation of different feed supplement to check the infertility in milch animals.
<b>No. of Farmers</b>	05

KVK, Hapur conducted on-farm trial on different feed supplement to check the infertility in milch animals.

Technology Option	No. of trials	Milk prod. (lit./day)	Increase in milk prod. (%)	Lactation period in days	Gross Cost (Rs.)	Gross Return (Rs.)	Net Return (Rs./ha)	B:C Ratio
T <sub>1</sub> – Farmers practice (Use of common salt)	05	12 lit.	-	180 (6 months)	25380	97200	71820	1:1.35
T <sub>2</sub> – Dewormer + Mineral mixture + Albomar + Fertisule		13 lit.	8.3%	210 (7 months)	34860	122850	87990	1:1.39

<b>Recommendation</b>	T <sub>2</sub> - groups of buffaloes were much health due to the used mineral mixture, dewormer & fertisule as compared to T <sub>1</sub> – group of buffaloes were improved milk production as compared to T <sub>1</sub> – group of buffaloes.
<b>Farmers reactions</b>	Farmers agree that improvement of milk production on buffaloes through the trial conducted to find as T <sub>2</sub> – treatment used mineral mixture dewormer & fertisule were helpful to increase milk production & more conceptation rate compared to T <sub>1</sub> treatment of buffaloes.
<b>Date of Distribution</b>	11 Aug. 2023

## OFT - 5

### VALUE ADDITION (Kharif 2023)

**Problem definition:** Nutrient inadequacy

**Technology Assessed:** Assessment of Nutritional Management & income generation through preparation of Badi from different pulses and vegetable and spices.

Preparation of Badi was assessed at different locations in comparison to often in practice. Badi with pulses & vegetable + spices was found better in respect of local practice. Badi with pulses & vegetable is more nutritional property, tasty, more self life and also add additional income.

**Table: Performance**

Technology Option	No. of trials	Yield (kg)	Increase in yield (%)	Performance indicators		Cost of cultivation (Rs)	Gross return (Rs)	Net Profit (Rs)	B:C Ratio
				Indicator	Performance				
T <sub>1</sub> - Farmer practice – Preparation of Badi from green gram	10	1.5	--	Nutritive value	Rich in protein 25.43 gm & Rich in vitamin B Complex, K, minerals	110	225	115	2.0
T <sub>2</sub> - Preparation of badi from pulses- green Gram, urd & Vegetables		1.5	-	Self life Sale opportunity	Better keeping quality Income Generating	135.0	375	240	2.7

**FEED BACK:** Remarkable acceptance of Badi due to readily availability, more nutritional property and help in income generation.

## OFT - 6

**Topic: Linking farmers with FPO's for increasing their income**

### KNOWLEDGE INDEX

$$\text{Knowledge index (KI)} = \frac{\text{No. of correct responses}}{\text{Total number of knowledge items}} \times 100$$

**Practice wise knowledge post harvest management practices of tomato**

By using percentage analysis, practice-wise knowledge was studied. The formula as follows:

$$\text{Knowledge level of } i^{\text{th}} \text{ practice} = \frac{\text{No. of correct responses}}{\text{Total number of knowledge items}} \times 100$$

### ADOPTION INDEX

$$\text{Adoption index (AI)} = \frac{p - a}{p} \times 100$$

Where,

a = The actual adoption score obtained by the respondents

p = The possible maximum score that could be obtained by the respondents

**Practice-wise adoption of recommended post harvest management practices of tomato**

By using percentage analysis, practice-wise adoption was studied. The formula used as follows:

$$\begin{aligned} &\text{Adoption level of } i^{\text{th}} \text{ practice} \\ &= \frac{\text{No. of respondents who adopted the practices}}{\text{Total number of respondents}} \times 100 \end{aligned}$$

## Knowledge Test

**Table: Knowledge regarding functioning of FPO**

**(n=80)**

S. No.	Statements	Response under each category			Total Score	WMS	KI	Rank
		Full (3)	Partial (2)	No (1)				
<b>I</b>	<b>Governance and Management</b>							
1.	Mobilization of membership	22 (27.50)	32 (40.00)	26 (32.50)	156	1.95	65.00	III
2.	Capacity building activities	38 (47.50)	25 (31.25)	17 (21.25)	181	2.26	75.41	I
3.	Internal monitoring system	19 (23.75)	12 (15.00)	49 (61.25)	130	1.62	54.16	V
4.	Conflict resolution	13 (16.25)	00 (00.00)	67 (83.75)	106	1.32	44.16	VII
5.	Information management	23 (28.75)	12 (15.00)	45 (56.25)	138	1.72	57.50	IV
6.	Business promotion	09 (11.25)	26 (32.50)	45 (56.25)	124	1.55	51.66	VI
7.	Resource mobilization	26 (32.50)	33 (41.25)	21 (26.25)	165	2.06	68.75	II
<b>II</b>	<b>Group Dynamics</b>							
1.	Group leadership	54 (67.50)	14 (17.50)	12 (15.00)	202	2.52	84.16	IV
2.	Team spirit for coordination	80 (100.00)	00 (00.00)	00 (00.00)	240	3.00	100.00	I
3.	Group decision making	63 (78.75)	00 (00.00)	17 (21.25)	206	2.57	85.83	III
4.	Interpersonal trust	67 (83.75)	13 (16.25)	00 (00.00)	214	2.67	89.16	II
<b>III</b>	<b>Members Representation</b>							
1.	Regular elections	38 (47.50)	25 (31.25)	17 (21.25)	181	2.26	75.41	IV
2.	Free and fair elections	46 (57.50)	12 (15.00)	22 (27.50)	184	2.30	76.66	III
3.	Equal chance for women in representation	80 (100.00)	00 (00.00)	00 (00.00)	240	3.00	100.00	I
4.	Social justice in representation	54 (67.50)	14 (17.50)	12 (15.00)	202	2.52	84.16	II
5.	Regularity in attendance for meetings	80 (100.00)	00 (00.00)	00 (00.00)	240	3.00	100	I
<b>V</b>	<b>Audit</b>							
1.	Maintenance of Records and Books	80 (100.00)	00 (00.00)	00 (00.00)	240	3.00	100.00	I
2.	Transparency of Accounts	67 (83.75)	13 (16.25)	00 (00.00)	214	2.67	89.16	II
3.	Financial audit	26 (32.50)	33 (41.25)	21 (26.25)	165	2.06	68.75	IV
4.	Social audit	14 (17.50)	09 (11.25)	57 (71.25)	117	1.46	48.75	V

\*Knowledge Index (KI)

### Adoption Rate

**Table: To assess the adoption rate of farmers linked with farmer producer organization**

**(n=80)**

Sl. No.	Statements	Response under each category		Total Score	WMS	AI	Rank
		Yes (2)	No (1)				
1.	Inputs and production services are provided by the company	80 (100.00)	00 (00.00)	160	2.00	100.00	I
2.	Facility of credit	68 (85.00)	12 (15.00)	148	1.85	92.50	II
3.	Adoption of new technology	57 (71.25)	23 (28.75)	137	1.71	85.62	VII
4.	Establish networking among farmers	52 (65.00)	28 (35.00)	132	1.65	82.50	IX
5.	Development of skills	56 (70.00)	24 (30.00)	136	1.70	85.00	VIII
6.	Minimizes price risk	62 (77.50)	18 (22.50)	142	1.77	88.75	V
7.	Open-up new markets	63 (78.75)	17 (21.25)	143	1.78	89.37	IV
8.	Better bargaining for small holders	68 (85.00)	12 (15.00)	148	1.85	92.50	II
9.	Income stability due to assured price	80 (100.00)	00 (00.00)	160	2.00	100.00	I
10.	Initiation of welfare fund for growers	48 (60.00)	32 (40.00)	116	1.45	72.50	XII
11.	Higher yields due to better management	28 (35.00)	52 (65.00)	108	1.35	67.50	XIV
12.	Record keeping by the grower	39 (48.75)	41 (51.25)	119	1.48	74.37	X
13.	Quality production	59 (73.75)	21 (26.25)	139	1.73	86.87	VI

14.	Pro-government policies for encouragement of the system	32 (40.00)	48 (60.00)	112	1.4	70.00	XII
15.	Tap export markets	19 (23.75)	61 (76.25)	99	1.23	61.87	XV
16.	Backward linkage is possible	56 (70.00)	24 (30.00)	136	1.70	85.00	VIII
17.	Emergence of strong farmer group in the form of FPC	80 (100.00)	00 (00.00)	160	2.00	100.00	I
18.	Promotion of processing and value addition	39 (48.75)	41 (51.25)	119	1.48	74.37	XI
19.	Support from local scientific agencies and government	69 (86.25)	11 (13.75)	149	1.86	93.12	III
20.	Helps to overcome land constraints	80 (100.00)	00 (00.00)	160	2.00	100.00	I

\*Adoption Index (AI)

**Income generating activities adopted by the FPO members**

S. No.	Source of Income	Before Joining FPO (%)			After joining FPO (%)		
		Low	Medium	High	Low	Medium	High
	<b>Crop enterprise (Field crops+ vegetables+ fruits+ floriculture)</b>						
1	a. Field crops	18 (25.33)	51 (60.67)	11 (14.00)	00 (00.00)	56 (70.00)	24 (30.00)
	b. Vegetables	49 (61.25)	23 (28.75)	08 (10.00)	00 (00.00)	59 (73.75)	21 (26.25)
	c. Fruits	47 (58.75)	19 (23.75)	14 (17.50)	08 (10.00)	51 (63.75)	21 (26.25)
	d. Floriculture	13 (16.25)	48 (60.00)	19 (23.75)	51 (63.75)	23 (28.75)	06 (07.50)
	<b>Subsidiary enterprises</b>						
2	a. Dairy	28 (35.00)	38 (47.50)	14 (17.50)	00 (00.00)	49 (61.25)	31 (38.75)
	b. Bee keeping	62 (77.50)	18 (22.50)	00 (00.00)	05 (06.25)	42 (52.50)	33 (41.25)
	c. Vermicomposting	37 (46.25)	28 (35.00)	15 (18.75)	08 (10.00)	47 (58.75)	25 (31.25)
	d. Mushrooms	58 (72.50)	12 (15.00)	10 (12.50)	05 (06.25)	63 (78.75)	12 (15.00)



**Economic Impact**

Sl. No.	Socio-economic attributes	Before Joining FPO			Total Score	WMS	Rank
		Low	Medium	High			
1	Annual income	28 (35.00)	38 (47.50)	14 (17.50)	146	1.82	I
2	Increase in enterprises	62 (77.50)	18 (22.50)	00 (00.00)	98	1.22	IV
3	Material possession	37 (46.25)	28 (35.00)	15 (18.75)	138	1.72	II
4	Purchasing power	58 (52.50)	22 (47.50)	00 (00.00)	102	1.27	III
5	Investments	69 (86.25)	11 (13.75)	00 (00.00)	91	1.13	V

Sl. No.	Socio-economic attributes	After Joining FPO			Total Score	WMS	Rank
		Low	Medium	High			
1	Annual income	00 (00.00)	49 (61.25)	31 (38.75)	191	2.38	I
2	Increase in enterprises	05 (06.25)	42 (52.50)	33 (41.25)	188	2.35	II
3	Material possession	08 (10.00)	47 (58.75)	25 (31.25)	177	2.21	IV
4	Purchasing power	13 (16.25)	35 (43.75)	32 (40.00)	179	2.23	III
5	Investments	11 (13.75)	46 (57.50)	23 (28.75)	172	2.15	V

## II. Front Line Demonstration on other than oil seeds & pulses

### A. Follow-up results of FLDs implemented during previous years

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

S. N.	Crop/ Enterprise	Thematic area	Technology Demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha.
1	Kitchen Gardening	Nutrition Kitchen Garden	Use of High yield Variety of Kharif & Rabi season vegetables in Poshan vatika & Cultivation of vegetables around the Kharif season & Rabi.	Through training programme, FLD & Electronic media	20	445	65
2	Marigold	VE	To demonstrate the Marigold variety	Through training programme, FLD & Electronic media	18	256	145
2	Berseem	VE	High yielding variety for fodder production BL-42	Through training programme, FLD & Electronic media	22	285	380

**B. Front Line Demonstration on oil seeds & pulses under NFSM  
FLD - 1  
Green Gram**

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Green Gram	- ICM	- ICM through improved seed, weed & insect management	Zaid 2023	10.0	10.0	03	22	25	N.A.

**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					
Green Gram	Zaid 2023	Irrigated	Loam	Medium	Low	Medium	Wheat	12-15 April 2023	18-25 June 2023	-	-

**Performance of FLD**

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Parameters name	Result of main parameter			Check Plot	(% Advantage)
							Demo. plot				
							H	L	A		
1	2	3	4	5	6	7	8	9	10	11	12
Green Gram	- ICM	ICM through improved seed, weed & insect management	Shikha (IPM 410-3)	25	10	No. of Pods/plants	62	57	59.5	50.0	15.35

Demo. Yield q/ha			Yield of local Check q/ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
13	14	15	16	17	18	19	20	21	22	23	24	25
12	8.5	9.5	7.4	22.1	32400	73672	41272	2.27	32500	57387	24887	1.76

**Selling Price – Rs. 6600 /q.**

**a. Farmers reaction on specific technologies**

S. No	Feed Back for researchers	Feedback for line department
1	Variety Shikha (IPM 410-3) is good for Hapur district.	Avalibility of Moong variety timely which are resistance YMV disease.
2	Spray of Imazathypher are good to controlled weeds of Moong crop.	

**b. Technical feedback**

1	Grain Yield has been increased due to uniform maturity & bold grain.
2	Sustainability for YMV.
3	Timely application of insecticide (Imidacloprid 17.8 SL).
4	No incidence of pod borer due to timely application of insecticide (Imidacloprid 17.8SL).
5	Very low number of weeds due to timely spraying of Imazathyper 10 EC @ 250 ml/demo.

**c. Extension and Training activities under FLD**

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Farmers Training	01	20	
2.	Media coverage	01	mass	

## FLD 2- Blackgram (Kharif – 2023)

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Blackgram	- ICM	- ICM through improved seed, weed & insect management	Kharif 2023	10.0	10.0	13	12	25	N.A.

### 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
				N	P	K					
Blackgram	Kharif 2023	Irrigated	Loam	Medium	Low	Medium	Mustard/Wheat	19-30 July, 2023	25-30 Oct. 2023	-	-

### Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Parameters name	Result of main parameter			Check Plot	(% Advantage)
							Demo. plot				
							H	L	A		
1	2	3	4	5	6	7	8	9	10	11	12
Black gram	- ICM	ICM through improved seed, weed & insect management	Shekhar	25	10.0	No. of Pods/plants	63	57	59.5	53.0	12.26

Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
13	14	15	16	17	18	19	20	21	22	23	24	25
13.0	10.6	12.5	10.6	15.2	35600	97656	62056	1:2.74	33600	69960	36360	1:2.08

**Selling Price – Rs. 7800/q.**

**a. Farmers reaction on demonstrated technologies(by KVK Scientist who conducted the FLD)**

S. N.	Feed Back for researchers	Feedback for line department
1	Variety Shekhar is good for Hapur district.	Avalibility of urd variety timely which are resistance YMV disease.
2	Spray of Imazathypher is good to controlled weeds of urd crop.	

**b. Technical feedback**

1	Grain Yield has been increased due to uniform maturity & bold grain.
2	Sustainability for YMV.
3	Timely application of insecticide (Imidaclorpid 17.8 SL).
4	No incidence of pod borer due to timely application of insecticide (Imidaclorpid 17.8SL).
5	Very low number of weeds due to timely spraying of Imazathyper 10 EC @ 250 ml/demo.

**c. Extension and Training activities under FLD**

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1.	Farmers Training	02	50	
2.	Media coverage	02	mass	

### FLD - 3 Mustard

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Mustard	- ICM	- ICM through improved seed, weed & insect management	Rabi 2023-24	20.0	20.0	03	47	50	N.A.

#### 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	Loam	Medium	Low	Medium	Paddy/Wheat	12-18 Oct. 2023	-	-	-

#### Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Parameters name	Result of main parameter			Check Plot	(% Advantage)
							Demo. plot				
							H	L	A		
1	2	3	4	5	6	7	8	9	10	11	12
Mustard	- ICM	ICM through improved seed, weed & insect management	RH 725	50	20	No. of Siliqas/plants					

Demo. Yield q/ha			Yield of local Check q/ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
13	14	15	16	17	18	19	20	21	22	23	24	25

Result awaited

## C. Front Line Demonstration on other than oil seeds & pulses

### FLD – 1

#### Plant Breeding: Paddy

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Paddy	Varietal Evaluation	To demonstrate the increase yield through newly released variety of basmati rice (PB 1509)	Khariif 2023	6.0	6.0	-	15	15	N.A.

#### 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					
Paddy	Khariif 2023	Irrigated	Sandy loam and loam	Low	Medium	Medium	Wheat	18-25 July 2023	26 Oct. - 02 Nov.2023	-	-

#### Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Parameters name	Result of main parameter			Check Plot	(% Advantage)
							Demo. plot				
							H	L	A		
1	2	3	4	5	6	7	8	9	10	11	12
Paddy	Promoting high yielding variety of wheat	To demonstrate the increase yield through newly released variety of basmati rice	PB 1509	15	6.0	No. of Tillers/plant	22	19.0	18.5	16.2	14.19

Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
13	14	15	16	17	18	19	20	21	22	23	24	25
52.92	49.32	63.0	53.50	15.07	112400	207900	95500	1:1.84	102600	171200	68600	1:1.66

Sale rate – Rs. 2850 per quintal.



**a. Farmers reaction on specific technologies**

S. No	Feed Back for researchers	Feedback for line department
1	Developed HYV of paddy which are resistance in blast .	Avalibility of HYV of basmati variety.

**b. Technical feedback**

1	Use of quality seed and new improved variety is essential.
2	Grain yield production was increased due to new variety.

**c. Extension and Training activities under FLD**

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1.	Farmers Training	02	40	
2.	Media coverage	-	-	

## FLD No. : 2

### Horticulture : Okra

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Okra	Varietal Evaluation	To demonstrate the Introduction of Okra variety. (Pusa A-4) Seed @ 1.2 Kg/Demo	Kharif 2023	0.8	0.8	-	10	10	N.A.

### 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					
Okra	Kharif 2023	Irrigated	Loam	Low	Medium	Medium	Wheat	21 April, 2023	05-06 Oct. 2023	-	-

### Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Parameters name	Result of main parameter			Check Plot	(% Advantage)
							Demo. plot				
							H	L	A		
1	2	3	4	5	6	7	8	9	10	11	12
Okra	VE	To demonstrate the Introduction of Okra variety.	Pusa A - 4	10	0.8	No. of branches/plant	6.0	4.0	5.0	3.5	42.8

Demo. Yield q/ha			Yield of local Check q/ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
13	14	15	16	17	18	19	20	21	22	23	24	25
125.50	90	115.8	82.0	41.21	38500	128300	90800	1:3.60	32000	138960	100460	1:3.07

Sale rate – Rs. 1200- 1500 per quintal.

**a. Farmers reaction on specific technologies**

S. No	Feed Back for researchers	Feedback for line department
1	Pusa A-4 is good in respect of high yielding mosaic virus, fruits are medium size as well as silky nature.	Avalibility of Pusa A- 4 variety timely.

**b. Technical feedback**

S.No	Feed Back
1	This variety is resistant to YVMV disease. Use of improved variety Pusa A- 4 is necessary because, its fruit are medium sized, quality and shiny. Which is high demand in the local market, due to being a variety the yield has increased.

**c. Extension and Training activities under FLD**

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Days	01	22	
2	Media coverage	01	Mass	

## FLD No. : 3

### Horticulture : Marigold

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Marigold	Varietal Evaluation	To demonstrate the Introduction of Marigold variety. (Pusa Narangi) Seed @ 150 gm/demo	Kharif 2023	0.8	0.8	01	09	10	N.A.

#### Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Transplanting date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Marigold	Kharif 2023	Irrigated	Loam	Low	Medium	Medium	Wheat	13 -14 May. 2023	30 Sept. 2023	-	-

#### Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Parameters name	Result of main parameter			Check Plot	(% Advantage)
							Demo. plot				
							H	L	A		
1	2	3	4	5	6	7	8	9	10	11	12
Mari gold	VE	To demonstrate the Introduction of marigold variety.	Pusa Narangi	10	0.8	No. of branches/plant	11.0	7.0	9.0	6.5	38.4

Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
13	14	15	16	17	18	19	20	21	22	23	24	25
193.2	175.8	184.5	145	24.66	50800	221400	170600	1:4.35	45600	177600	132000	1:3.89

Sale rate – Rs. 6500- 8000 per quintal.

**a. Farmers reaction on specific technologies**

S. No	Feed Back for researchers	Feedback for line department
1	Pusa narangi is good in high yield size and shape of the flower,	Availibility of Pusa narangi in variety timely in small size packing.

**b. Technical feedback**

S.No	Feed Back
1	Improved variety Pusa Narangi, flower size is more as well as yield is more than other species and its best flowering life is good due to which there is good demand in the local market.

**c. Extension and Training activities under FLD**

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Days	01	22	
2	Media coverage	01	Mass	

**FLD No. : 4**

**Horticulture : Sugarcane + Potato**

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Potato	ICM	Intercropping of potato with sugarcane Variety (Kufri Chipsona – 1) Seed @ 1q/demo	Rabi 2023-24	0.4	0.4	01	04	05	N.A.

**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					
Potato	Rabi 2023-24	Irrigated	Loam	Low	Medium	Medium	Paddy	23 Oct. 2023	-	-	-

**Performance of FLD**

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Parameters name	Result of main parameter			Check Plot	(%) Advantage
							Demo. plot				
							H	L	A		
1	2	3	4	5	6	7	8	9	10	11	12
Potato	ICM	Intercropping of potato with sugarcane Variety (Kufri Chipsona – 1) Seed @ 1q/demo	Kufri Chipsona – 1	05	0.4	No. of tubers/plant	-	-	-	-	-

**Result awaited.**

## FLD No. : 5

### Horticulture : Garden Pea

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Garden Pea	ICM	Intercropping of garden pea with sugarcane. Seed @ 10 Kg/demo	Rabi 2023-24	1.0	1.0	01	09	10	N.A.

#### 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					
Garden Pea	Rabi 2023-24	Irrigated	Loam	Low	Medium	Medium	Paddy	06 Nov.2023	-	-	-

#### Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Parameters name	Result of main parameter			Check Plot	(% Advantage)
							Demo. plot				
							H	L	A		
1	2	3	4	5	6	7	8	9	10	11	12
Garden Pea	ICM	Intercropping of garden pea with sugarcane. Seed @ 10 Kg/demo	Pusa Pragati	10	1.0	No. of pods/plant	-	-	-	-	-

Result awaited.

**FLD No. : 6**  
**Horticulture : Onion**

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Onion	VE	Introduction of onion variety – Agrifound dark red	Rabi 2023-24	1.0	1.0	-	10	10	N.A.

**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					
Onion	Rabi 2023-24	Irrigated	Loam	Low	Medium	Medium	Paddy	08-12 Nov. 2023	-	-	-

**Result awaited**



**FLD No. : 7**

**Livestock : Buffalo**

S. N.	Breed	Thematic area	Technology Demonstrated	Season and year	No. of animals, poultry birds/ha. etc		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Milch cattle/ Buffalo Murraha	Animal Nutrition Management	Enhancement milk production in milch buffalo through Agriminfort & Albandazole	Kharif 2023	10	10	01	09	10	N.A.

**Performance of FLD**

Major parameters		% change in major parameter	Milk Production (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)
Dewormer + Mineral mixture	common salt	9.09	12lit/day	11Lit/day	37500	56125	18625	1:1.49	36700	51700	15000	1:1.40

**a. Farmers reaction on specific technologies**

S. No	Feed Back for researchers	Feedback for line department
1	Mineral mixture good result in conception and lactation period.	Demonstration and promotion among the farmers.

**a. Technical feedback**

S.No	Feed Back
1	T <sub>2</sub> - groups of buffaloes were much health due to the used mineral mixture, dewormer & fertisule as compared to T <sub>1</sub> – group of buffaloes were improved milk production as compared to T <sub>1</sub> – group of buffaloes.

**c. Extension and Training activities under FLD**

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Days	01	22	
2	Media coverage	01	Mass	

**FLD No. : 8****Live Stock : Barseem**

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Barseem	VE	Use of High yield Variety (BL-42)	Rabi 2023-24	1.0	1.0	01	09	10	NA

**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					
Barseem	Rabi 2023-24	Irrigated	Sandy loam and loam	Medium	Medium	Medium	Paddy	10 Oct. 2023	-	-	-

**Result awaited**

**FLD No. : 9**

**Live Stock : Oat**

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Oat	VE	Use of High yield Variety	Rabi 2023-24	1.0	1.0	01	09	10	

**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
				N	P	K					
Oat	Rabi 2023-24	Irrigated	Sandy loam and loam	Medium	Medium	Medium	Paddy	09 Nov. 2023	29 Dec. 2023 to Jan. 2024	-	-

**Performance of FLD**

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Parameters name	Result of main parameter			Check Plot	(% Advantage)
							Demo. plot				
							H	L	A		
1	2	3	4	5	6	7	8	9	10	11	12
Oat	Feed and Fodder technology	Use of High yield Variety	Kent	10	1.0	No. of Cuttings	02	01	1.5	01	33.3

Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
13	14	15	16	17	18	19	20	21	22	23	24	25
320	305	312.5	250	25	9200	48000	38800	1:5.21	8700	37500	28800	1:4.31

**a. Farmers reaction on specific technologies**

S. No	Feed Back for researchers	Feedback for line department
1	Kent is good in high yielding.	Demonstration and promotion among the farmers.

**b. Technical feedback**

S.No	Feed Back
1	Improved variety of Oat Kent is used very essential. The new variety of oat is helpful to increased fodder production.

**c. Extension and Training activities under FLD**

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Days	01	22	
2	Media coverage	01	Mass	

## FLD No. : 10

### Home Science : Nutrition Kitchen Garden

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Vegetable Kit (Bottle guard, Luffa acutangular(Tori),Cholai, Bhindi, Tomato, Cucumber)	Nutritional food security	Use of High yield Variety of Bottle guard, Luffa acutangular(Tori),Cholai, Bhindi, Tomato, Cucumber in Poshan vatika & Cultivation of vegetables around the Kharif season	Kharif 2023	0.2	0.2	10	-	10	

### Performance of FLD

Category and Crop	Thematic Area	Technology Demonstrated	No. of Farmers	No. of units	Area (ha.)	Demo. Yield q/ha		Increase in yield (%)	Other parameter		Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						Demo	Check		Demo	Check	Gross Cost	Gross Return	Net return	BC R (R/C)	Gross Cost	Gross Return	Net return	BC R (R/C)
Kitchen Garden Kharif 2023	Nutritional food security	Cultivation of vegetables around the Kharif season	10	30	0.2	540	102	429	More consumption of seasonal vegetables	Less consumption	2550	13500	10950	5.2	875	1550	1675	2.9

#### a. Farmers reaction on specific technologies

S. No	Feed Back for researchers	Feedback for line department
1	Kitchen gardens help to increase household income either by sale of the food products grown in the gardens or by the consumption of the same food items that the families would have otherwise purchased from markets using a significant portion of the family income.	Develop a nutritional garden for control nutritious.

#### a. Technical feedback

S.No	Feed Back
1	In times of increasing food prices, the kitchen gardening practice has the potential to directly address the areas of nutrition and food security, income generation and an alternate livelihood creation for the household as well as empowerment of women, in the long run, in rural areas.

#### c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Days	01	20	
2	Media coverage	01	Mass	

## FLD No. : 11

### Home Science : Nutrition Kitchen Garden

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Vegetable Kit Kitchen Garden Rabi 2023	Nutritional food security	Cultivator of Vegetables around the Rabi season	Rabi 2023-24	0.2	0.2	15	-	15	

### Performance of FLD

Category and Crop	Thematic Area	Technology Demonstrated	No. of Farmers	No. of units	Area (ha.)	Demo. Yield q/ha		Increase in yield (%)	Other parameter		Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						Demo	Check		Demo	Check	Gross Cost	Gross Return	Net return	BC R (R/C)	Gross Cost	Gross Return	Net return	BC R (R/C)
Kitchen Garden Rabi 2023	Nutritional food security	Cultivation of vegetables around the Rabi season	15	15	0.2	88	79	11.39	<ul style="list-style-type: none"> <li>Regular supply of vegetable</li> <li>Chemical free vegetable</li> <li>Saving Rs/day</li> <li>Nutrient</li> </ul>	<ul style="list-style-type: none"> <li>Irrregular supply of vegetable</li> <li>Mostly content chemical &amp; Pesticides</li> <li>Extra expense</li> <li>Less Nutrient</li> </ul>	4550	15500	10950	3.30	875	1550	1675	2.9

#### a. Farmers reaction on specific technologies

S. No	Feed Back for researchers	Feedback for line department
1	Kitchen gardens help to increase household income either by sale of the food products grown in the gardens or by the consumption of the same food items that the families would have otherwise purchased from markets using a significant portion of the family income.	Develop a nutritional garden for control nutritious.

#### a. Technical feedback

S.No	Feed Back
1	In times of increasing food prices, the kitchen gardening practice has the potential to directly address the areas of nutrition and food security, income generation and an alternate livelihood creation for the household as well as empowerment of women, in the long run, in rural areas.

**c. Extension and Training activities under FLD**

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Days	01	20	
2	Media coverage	01	Mass	

**FLD No. : 12**

**Topic: Impact of government schemes on farmers (PMFBY, SHC, PMKSY and KCC)**

**KNOWLEDGE INDEX**

$$\text{Knowledge index (KI)} = \frac{\text{No. of correct responses}}{\text{Total number of knowledge items}} \times 100$$

**Practice wise knowledge post harvest management practices of tomato**

By using percentage analysis, practice-wise knowledge was studied. The formula as follows:

$$\text{Knowledge level of } i^{\text{th}} \text{ practice} = \frac{\text{No. of correct responses}}{\text{Total number of knowledge items}} \times 100$$

**ADOPTION INDEX**

$$\text{Adoption index (AI)} = \frac{p - a}{p} \times 100$$

Where,

a = The actual adoption score obtained by the respondents

p = The possible maximum score that could be obtained by the respondents

**Practice-wise adoption of recommended post harvest management practices of tomato**

By using percentage analysis, practice-wise adoption was studied. The formula used as follows:

$$\begin{aligned} \text{Adoption level of } i^{\text{th}} \text{ practice} \\ = \frac{\text{No. of respondents who adopted the practices}}{\text{Total number of respondents}} \times 100 \end{aligned}$$





**Table: Knowledge level of farmers regarding Government schemes**

**(n=80)**

Sl. No.	Statements	Response under each category			Total Score	WMS	KI	Rank
		Full (3)	Partial (2)	No (1)				
<b>Pradhan Mantri Fasal Bima Yojana (PMFBY)</b>								
1	Do you aware about PMFBY	22 (27.50)	32 (40.00)	26 (32.50)	156	1.95	65.00	II
2	Do you have knowledge about When PMFBY launched	13 (16.25)	00 (00.00)	67 (83.75)	106	1.32	44.16	V
3	Are you aware about premium given in this scheme	19 (23.75)	12 (15.00)	49 (61.25)	130	1.62	54.16	III
4	How many crops covered under this scheme	38 (47.50)	25 (31.25)	17 (21.25)	181	2.26	75.41	I
5	Are you aware about different companies which provide insurance	16 (20.00)	12(15.00)	52 (65.00)	124	1.55	51.66	IV
6	Have you aware about compensation given in PMFBY	09 (11.25)	26 (32.50)	45 (56.25)	124	1.55	51.66	IV
<b>Soil Health Card (SHC)</b>								
1	Do you have Soil Health Card	67 (83.75)	13(16.25)	00(00.00)	214	2.67	89.16	I
2	Do you know why this scheme launched by government	28 (35.00)	12(15.00)	40 (50.00)	148	1.85	61.66	IV
3	Are you aware that SHC helps to indicate the soil health condition	62 (77.50)	00(00.00)	18 (22.50)	204	2.55	85.00	II
4	SHC encourage judicious application of fertilizers	12(15.00)	43 (53.75)	25 (31.25)	147	1.83	61.25	V
5	Are you aware about the SHC tenure	00(00.00)	33 (41.25)	47 (58.75)	113	1.41	47.08	VI
6	Are you availing SHC scheme	58 (72.50)	00(00.00)	22 (27.50)	196	2.45	81.66	III

<b>Kisan Credit Card (KCC)</b>								
1	Are you aware about Kisan Credit Card (KCC)	80 (100.00)	00(00.00)	00(00.00)	240	3.00	100	I
2	Have you taken Kisan Credit Card (KCC)	63 (78.75)	00(00.00)	17 (21.25)	206	2.57	85.83	II
3	Do you know about renewal period of Kisan Credit Card	28 (35.00)	34 (42.50)	18 (22.50)	170	2.12	70.83	IV
4	Do you know about rate of interest on crop loans in Kisan Credit Card	14 (17.50)	18 (22.50)	48 (60.00)	126	1.57	52.50	V
5	Do you know about credit limit of Kisan Credit Card (KCC)	80 (100.00)	00(00.00)	00(00.00)	240	3.00	100	I
6	Do you think that KCC is Hassle free card	54 (67.50)	00(00.00)	26 (32.50)	188	2.35	78.33	III
<b>Pradhan Mantri Krishi Sinchayi Yojana (PMKSY)</b>								
1	Are you aware about Pradhan Mantri Krishi Sinchayi Yojana scheme	54 (67.50)	14 (17.50)	12(15.00)	202	2.52	84.16	I
2	Do you know about components of PMKSY	07 (08.75)	21 (26.25)	52 (65.00)	115	1.43	47.91	VI
3	Which of the following schemes NAIS / MNAIS is the replacement scheme of PMKSY?	14 (17.50)	09 (11.25)	57 (71.25)	117	1.46	48.75	V
4	Are you aware that Krishi Sinchayee Yojana duration is for a period of 5 years with a financial outlay of Rs.50,000 crores.	34 (42.50)	28 (35.00)	18 (22.50)	176	2.20	73.33	III
5	Is PMKSY has high premium rate compared to previous schemes?	26 (32.50)	33 (41.25)	21 (26.25)	165	2.06	68.75	IV
6	Can we rectify the mistakes of online application applied under PMKSY?	46 (57.50)	12(15.00)	22 (27.50)	184	2.30	76.66	II

\*Knowledge Index (KI)

**Table: Adoption level of farmers regarding Government schemes**

(n=80)

Sl. No.	Statements	Response under each category		Total Score	WMS	AI	Rank
		Yes (2)	No(1)				
<b>Pradhan Mantri Fasal Bima Yojana (PMFBY)</b>							
1	Yield losses	00 (00.00)	80 (100.00)	80	1.00	50.00	VI
2	Post harvest losses	12 (15.00)	68 (85.00)	92	1.15	57.50	V
3	Localised calamities	38 (47.50)	42 (52.50)	118	1.47	73.75	III
4	Prevented sowing/harvesting	23 (28.75)	57 (71.25)	103	1.28	64.37	IV
5	Better than earlier scheme	48 (60.00)	32 (40.00)	128	1.60	80.00	II
6	Optimum premium rates	52 (65.00)	28 (35.00)	132	1.65	82.50	I
<b>Soil Health Card (SHC)</b>							
1	Recommended organic manures as per SHC results	25 (31.25)	55 (68.75)	105	1.31	65.62	V
2	Recommended Nitrogen as per SHC results	30 (37.50)	50 (62.50)	110	1.37	68.75	IV
3	Recommended Phosphorous as per SHC results	36 (45.00)	44 (55.00)	116	1.45	72.50	II
4	Recommended Potash as per SHC results	39 (48.75)	41 (51.25)	119	1.48	74.37	I
5	Recommended Micro nutrients as per SHC results	19 (23.75)	61 (76.25)	99	1.23	61.87	VI
6	Recommended Gypsum/Lime as per SHC results	31 (38.75)	49 (61.25)	111	1.38	69.37	III
<b>Kisan Credit Card (KCC)</b>							
1	KCC schemes Provides the financial liquidity and credit to the rural Farmer	80 (100.00)	00 (00.00)	160	2.00	100.00	I
2	KCC schemes provide maximum credit limit based on Agriculture Income	68 (85.00)	12 (15.00)	148	1.85	92.50	II
3	KCC limit fixed includes both Rabi and Kharif crops	80 (100.00)	00 (00.00)	160	2.00	100.00	I
4	Scheme provides any accidental insurance up to Rs.50000 by the borrowers	63 (78.75)	17 (21.25)	143	1.78	89.37	III
5	KCC schemes provides loan up to 3.00 lakh on 10.50 % Interest	80 (100.00)	00 (00.00)	160	2.00	100.00	I

6	KCC allows mobile based transfer transactions at input dealers and mandies	56 (70.00)	24 (30.00)	136	1.70	85.00	IV
7	For KCC limit upto ₹ 1.00 lakh banks are to waive margin/security requirements	39 (48.75)	41 (51.25)	119	1.48	74.37	V
<b>Pradhan Mantri Krishi Sinchayi Yojana (PMKSY)</b>							
1	Enhance the adoption of precision - irrigation	48 (60.00)	32 (40.00)	116	1.45	72.50	IV
2	Improve on farm water use efficiency	35 (43.75)	45 (56.25)	115	1.43	71.87	V
3	High premium rates	28 (35.00)	52 (65.00)	108	1.35	67.50	VI
4	Trustable private organisation providing insurance on drip and sprinkler	37 (46.25)	43 (53.75)	117	1.46	73.12	III
5	Proper Capacity building, training and awareness campaign organised by govt.	57 (71.25)	23 (28.75)	137	1.71	85.62	II
6	High subsidy limit of PMKSY as compare to other schemes	62 (77.50)	18 (22.50)	142	1.77	88.75	I

\*Adoption Index (AI)

**Impact of government schemes (PMFBY, PMKSY, SHC and KCC)**

**Table: Impact of government schemes on the socio-economic status of the farmers before adoption of government scheme (n=80)**

Sl. No.	Socio-economic attributes	Before adoption of schemes			Total Score	WMS	Rank
		Low	Medium	High			
<b>A.</b>	<b>Social Impact</b>						
1	Knowledge regarding govt. schemes	18 (25.33)	51 (60.67)	11 (14.00)	153	1.91	I
2	Technical skills regarding govt. schemes	49 (61.25)	23 (28.75)	08 (10.00)	119	1.48	III
3	Capacity building	47 (58.75)	19 (23.75)	14 (17.50)	127	1.58	II
4	Decision making behavior	51 (63.75)	23 (28.75)	06 (07.50)	115	1.43	IV
5	Self confidence	58 (72.50)	12 (15.00)	10 (12.50)	112	1.40	V
<b>B.</b>	<b>Economic Impact</b>						
1	Annual income	28 (35.00)	38 (47.50)	14 (17.50)	146	1.82	I
2	Address the yield losses effectively	62 (77.50)	18 (22.50)	00 (00.00)	98	1.22	IV
3	Material possession	37 (46.25)	28 (35.00)	15 (18.75)	138	1.72	II
4	Purchasing power	58 (52.50)	22 (47.50)	00 (00.00)	102	1.27	III
5	Investments	69 (86.25)	11 (13.75)	00 (00.00)	91	1.13	V

**Table: Impact of government schemes on the socio-economic status of the farmers after adoption of government schemes (n=80)**

Sl. No.	Socio-economic attributes	After adoption of schemes			Total Score	WMS	Rank
		Low	Medium	High			
<b>A. Social Impact</b>							
1	Knowledge regarding govt. schemes	00 (00.00)	56 (70.00)	24 (30.00)	184	2.30	I
2	Technical skills govt. schemes	00 (00.00)	59 (73.75)	21 (26.25)	181	2.26	II
3	Capacity building	08 (10.00)	51 (63.75)	21 (26.25)	173	2.16	III
4	Decision making behavior	13 (16.25)	48 (60.00)	19 (23.75)	166	2.07	V
5	Self confidence	05 (06.25)	63 (78.75)	12 (15.00)	167	2.08	IV
<b>B. Economic Impact</b>							
1	Annual income	00 (00.00)	49 (61.25)	31 (38.75)	191	2.38	I
2	Address the yield losses effectively	05 (06.25)	42 (52.50)	33 (41.25)	188	2.35	II
3	Material possession	08 (10.00)	47 (58.75)	25 (31.25)	177	2.21	IV
4	Purchasing power	13 (16.25)	35 (43.75)	32 (40.00)	179	2.23	III
5	Investments	11 (13.75)	46 (57.50)	23 (28.75)	172	2.15	V

**Table: Social and economic impact of government schemes on farmers**

Paired sample t test					
	Standard Error Mean	't' value	Sig. (2-tailed)	Mean	SD
Before and After adoption of Government Schemes	0.195	71.746**	0.001	14.05	2.477
Correlation	0.583		0.000		

\*\*significant at the 0.01 level of probability

### III. Natural Farming

#### 1) Crop Harvesting Details(KVK Plot)

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)		
Hapur	Paddy	PB 1509	0.12	28.0	4486	Paddy	PB 1509	0.12	38.0	6150	14-15 July 2023	20 Oct. 2023

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

Name of KVK	Soil data of Demonstrated / KVK Plot	Soil Analysis				Micronutrients				Microbial Analysis				
		N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Organic Carbon (%age)	Ca (Kg/ha)	Mg (Kg/ha)	Zn (Kg/ha)	Others	Bacterial count (Nos.)	Fungi (Nos.)	Actinomycetes (Nos.)	Phosphorus Solubilizer (Nos.)	N Fixers (Nos.)
Hapur	KVK Ploat	270.15	16.10	132	0.64	19	5	23	Sulphur 29.0 Kg/ha	59x10 <sup>5</sup>	3.6x10 <sup>3</sup>	2.6x10 <sup>4</sup>	2.4x10 <sup>3</sup>	3.8x10 <sup>4</sup>

#### 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)

#### 4) Information of Farmers already Practicing Natural Farming

Sl. No.	Name of the District	Name of the Farmers	No. of desi (indigenous) cows	Land holding (ha)	Crops Grown	No. of Years in Natural Farming	Area Covered under Natural Farming	Crops Grown under Natural Farming	Any significant achievements under natural farming
1	Hapur	Girish Kumar	2	2	S.cane,wheat	1	0.4	S.cane	Soil physical condtion improve
2	Hapur	Rohtash Singh	1	3	S.cane, Vegetable	2	0.6	Bottle Guard	Fruit quality improved
3	Hapur	Udal Saini	2	1.5	Vegetables	1	0.5	Torai	Fruit quality improved
4	Hapur	Dharpal Singh	1	2.5	S.cane, Vegetable	3	0.4	S.cane	Tilliring compratively improved
5	Hapur	Harsh Tyagi	4	5	S.cane, Vegetable	8	2	S.cane	Tilliring compratively improved
6	Hapur	Mahesh Kewat	3	6	S.cane, wheat. Paddy	1	1	Wheat, Paddy	Soil Physical Condition Improved
7	Hapur	Amarchand Sharma	2	3	S.cane, wheat, Vegetable	1	0.4	S.cane	Tilliring compratively improved
8	Hapur	Vinita Shankar	1	2	S.cane, Vegetable	1	0.2	Bottle guard	Fruit quality improved
9	Hapur	Pramod Kumar	2	5	S.cane, Vegetable, paddy	2	0.4	Paddy	Soil Physical Condition improved
10	Hapur	Rajendra Singh	2	3	S.cane, Orchard	1	0.8	S.cane	Soil Health Improved
11	Hapur	Shesram	1	2	Vegetables, Paddy	1	0.2	Paddy	Tillar increase
12	Hapur	Tilakram	1	3.5	S.cane, wheat,paddy	2	0.4	Wheat	Robust Crop groeth
13	Hapur	Gurprit Singh	3	2.5	vegetable	1	0.2	Bottle guard	Fruit quality improved



14	Hapur	Vijendra Singh	2	1	Wheat, paddy, s.cane	2	0.2	Paddy	Water holding capacity improved
15	Hapur	Moolchan Thakur	1	2.5	Vegetable, Paddy	2	0.4	Bottle guard	Fruit quality improved
16	Hapur	Ashok Kumar Chauhan	3	3	S.cane, Paddy, Mango	1	0.6	S.cane	Soil Health Improved
17	Hapur	Bharat Bhusan Garg	2	5	Orchard, Mustard, wheat, S.cane	2	1	Mustard	Branching Improved
18	Hapur	Rajuae	1	2	vegetable, S.cane	3	0.2	Bottle guard	Increased fruit size
19	Hapur	Moolchand Aryan	3	1	S.cane	2	0.2	S.cane	Tiller Increased
20	Hapur	Avad Vihari	2	3	S.cane, Vegetable	1	1	S.cane	Soil Physical Condition improved
21	Hapur	Surendra Jagdish Chauhan	3	2	Vegetable, S.cane, Mushroom	1	0.4	Wheat	Grain quality improved
22	Hapur	Vinod Kumar	2	4	S.ane, wheat	1	0.8	wheat	Grain quality improved
23	Hapur	Dharmendra Kumar	1	3	Vegetable	1	0.4	Bottle guard	Fruit quality improved
24	Hapur	Pradeep Datta traya	2	2.5	S.cane, wheat	1	0.2	Paddy	Soil & Tiller Improved
25	Hapur	Shiv Raj Tyagi	1	1.5	Paddy, S.cane	2	0.2	S.cane	Soil & Tiller Improved
26	Hapur	Ankit Chauhan	2	6	S.cane, Vegetable	2	0.8	S.cane	Soil & Tiller Improved

##### 5) Natural Farming Nodal officer & Associate Name

S.No.	Name of KVK	Name of Head/SMS	Discipline/Subject	Mobile No.
1	Hapur	Dr. P.K. Madke	Animal Science	8920593039
2	Hapur	Dr. Ashok Singh	Soil Science	9412405845

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

Name of KVK	Soil data of Demonstrated/ KVK Plot	Soil Analysis				Micronutrients				Microbial Analysis				
		N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Organic Carbon (%age)	Ca (Kg/ha)	Mg (Kg/ha)	Zn (Kg/ha)	Others	Bacterial count (Nos.)	Fungi (Nos.)	Actinomycetes (Nos.)	Phosphorus Solubilizer (Nos.)	N Fixers (Nos.)
Hapur	KVK Ploat	270.15	16.10	132	0.64	19	5	23	Sulphur 29.0 Kg/ha	$59 \times 10^5$	$3.6 \times 10^3$	$2.6 \times 10^4$	$2.4 \times 10^3$	$3.8 \times 10^4$

**VI. (A) Achievements on Training (Jan. 2023 to Dec. 2023)**  
**Brief Achievement of Training**

Discipline	No. of courses	Others			SC/ST			G.Total
		Male	Female	Total	Male	Female	Total	
<b>Practicing Farmers &amp; Farm Women</b>								
<b>On Campus</b>								
Crop Production	08	121	-	121	39	-	39	160
Horticulture	02	33	-	33	07	-	07	40
Plant protection	03	52	-	52	08	-	08	60
Live stock	03	46	-	46	14	-	14	60
Home Science	04	-	58	58	-	22	22	80
Agri. Ext.	04	37	12	49	23	08	31	80
<b>Total</b>	<b>24</b>	<b>289</b>	<b>70</b>	<b>359</b>	<b>91</b>	<b>30</b>	<b>121</b>	<b>480</b>

<b>Practicing Farmers &amp; Farm Women</b>								
<b>Off Campus</b>								
Crop Production	08	124	02	126	27	07	34	160
Soil Science	01	15	-	15	05	-	05	20
Horticulture	08	139	-	139	21	-	21	160
Plant protection	02	36	-	36	04	-	04	40
Live stock	06	103	-	103	17	-	17	120
Home Science	10	-	117	117	-	83	83	200
Agri. Ext.	08	87	51	138	09	13	22	160
<b>Total</b>	<b>43</b>	<b>504</b>	<b>170</b>	<b>674</b>	<b>83</b>	<b>103</b>	<b>186</b>	<b>860</b>

<b>Rural Youth</b>								
Soil Science	01	07	-	07	03	-	03	10
Horticulture	02	15	-	15	05	-	05	20
Live stock	03	24	-	24	06	-	06	30
Home Science	03	-	17	17	-	13	13	30
Agri. Ext.	02	08	06	14	02	04	06	20
<b>Total</b>	<b>11</b>	<b>54</b>	<b>23</b>	<b>77</b>	<b>16</b>	<b>17</b>	<b>33</b>	<b>110</b>

<b>Extension functionaries</b>								
Crop Production	02	16	01	17	03	-	03	20
Soil Science	01	40	10	50	-	-	-	50
Horticulture	02	49	10	59	01	-	01	60
Plant protection	01	08	-	08	02	-	02	10
Live stock	04	64	10	74	06	-	06	80
Plan breeding	03	28	-	28	02	-	0	30
Home Science	04	-	27	27	-	13	13	40
Agri. Ext.	04	109	47	156	04	-	04	160
<b>Total</b>	<b>21</b>	<b>314</b>	<b>105</b>	<b>419</b>	<b>18</b>	<b>13</b>	<b>31</b>	<b>450</b>

**VI. (B) Training programme**  
**Farmers' Training including sponsored training programme**  
**A) On Campus)**

Thematic Area	Actual Title of training conducted	No. of courses	No. of participants								
			Others			SC/ST			Grand Total		
			M	F	T	M	F	T	M	F	T
<b>A) Farmers &amp; Farm Women</b>											
<b>I. Crop production</b>											
Weed management	Weed management in paddy	01	12	-	12	08	-	08	20	-	20
Resource Conservation Technology	Production technology of Azolla & BGA	01	18	-	18	02	-	02	20	-	20
	Sowing technique in maize	01	15	-	15	05	-	05	20	-	20
Crop Diversification	Intercropping Urd / moong in spring sugarcane.	01	19	-	19	01	-	01	20	-	20
Seed Production	Importance of Roughing technique in wheat seed production	01	19	-	19	01	-	01	20	-	20
	Seed production of Urd & Moong bean	01	18	-	18	02	-	02	20	-	40
Integrated Crop Management	Intercropping of urdbean in Sugarcane	01	02	-	02	18	-	18	20	-	20
	Improved varieties of wheat under timely sown condition and their production techniques	01	18	-	18	02	-	02	20	-	20
<b>Total</b>		<b>08</b>	<b>121</b>	<b>-</b>	<b>121</b>	<b>39</b>	<b>-</b>	<b>39</b>	<b>160</b>	<b>-</b>	<b>160</b>
<b>II. Horticulture</b>											
<b>(a) Vegetable crops</b>											
Off-season vegetables	Early sowing of watermelon under low tunnel.	01	16	-	16	04	-	04	20	-	20
<b>Total (a)</b>		<b>01</b>	<b>16</b>	<b>-</b>	<b>16</b>	<b>04</b>	<b>-</b>	<b>04</b>	<b>20</b>	<b>-</b>	<b>20</b>
<b>(b) Fruits</b>											
Cultivation of Fruit	Nutrient management in mango	01	17	-	17	03	-	03	20	-	20
<b>Total (b)</b>		<b>01</b>	<b>17</b>	<b>-</b>	<b>17</b>	<b>03</b>	<b>-</b>	<b>03</b>	<b>20</b>	<b>-</b>	<b>20</b>
<b>Total (a-b)</b>		<b>02</b>	<b>33</b>	<b>-</b>	<b>33</b>	<b>07</b>	<b>-</b>	<b>07</b>	<b>40</b>	<b>-</b>	<b>40</b>
<b>III. Soil Health and Fertility Management (NIL)</b>											
<b>IV. Livestock Production and Management</b>											
Animal Nutrition Management	Care and management of calf during winter season	01	13	-	13	07	-	07	20	-	20
	Urea treatment of poor-quality	01	18	-	18	02	-	02	20	-	20

	roughages like wheat straw and paddy straw.										
	Importance of Mineral mixture in dairy animal.	01	15	-	15	05	-	05	20	-	20
<b>Total</b>		<b>03</b>	<b>46</b>	<b>-</b>	<b>46</b>	<b>14</b>	<b>-</b>	<b>14</b>	<b>60</b>	<b>-</b>	<b>60</b>
<b>V. HOME SCIENCE/WOMEN EMPOWERMENT</b>											
Design and development of low/minimum cost diet	Creative Rakhi making for income generation	01	-	10	10	-	10	10		20	20
Location specific drudgery reduction technologies	Introduction of gender friendly small tools and implements for enhancement of work efficiency for farm women	01	-	20	20	-	-	-	-	20	20
Women and child care	Diet management in farm women for better health in summer season	01	-	10	10	-	10	10	-	20	20
	Awareness of immunization and its schedule	01	-	18	18	-	02	02	-	20	20
<b>Total</b>		<b>04</b>	<b>-</b>	<b>58</b>	<b>58</b>	<b>-</b>	<b>22</b>	<b>22</b>	<b>-</b>	<b>80</b>	<b>80</b>
<b>VII. Plant Protection</b>											
IPM	Integrated insect & disease management in cruciferous crop.	01	16	-	16	04	-	04	20	-	20
	Integrated insect management in Urd	01	18	-	18	02	-	02	20	-	20
	Integrated insect & disease management in rabi pulses	01	18	-	18	02	-	02	20	-	20
<b>Total</b>		<b>03</b>	<b>52</b>	<b>-</b>	<b>52</b>	<b>08</b>	<b>-</b>	<b>08</b>	<b>60</b>	<b>-</b>	<b>60</b>
<b>X. Capacity Building and Groups Dynamics</b>											
Entrepreneurial development of farmers/youths	Formation of FPO	01	18	-	18	02	-	02	20	-	20
	Application of ICT in Agri.	01	11	-	11	09	-	09	20	-	20
	Constitution of SHG	01	-	12	12	-	08	08	-	20	20
Mobilization of social capital	Use of soil health cards to improve soil health	01	08	-	08	12	-	12	20	-	20
<b>Total</b>		<b>04</b>	<b>37</b>	<b>12</b>	<b>49</b>	<b>23</b>	<b>08</b>	<b>31</b>	<b>60</b>	<b>20</b>	<b>80</b>
<b>GRAND TOTAL</b>		<b>24</b>	<b>289</b>	<b>70</b>	<b>359</b>	<b>91</b>	<b>30</b>	<b>121</b>	<b>380</b>	<b>100</b>	<b>480</b>

## B) Off Campus

Thematic Area	Actual Title of training conducted	No. of courses	No. of participants								
			Others			SC/ST			Grand Total		
			M	F	T	M	F	T	M	F	T
<b>A) Farmers &amp; Farm Women</b>											
<b>I. Crop production</b>											
Weed management	Weed management in wheat	01	18	-	18	02	-	02	20	-	20
Seed production	Technology of quality wheat seed production.	01	18	-	18	02	-	02	20	-	20
	Seed production of Moong bean & urd bean.	01	18	-	18	02	-	02	20	-	20
Integrated Farming	Importance of IFS model for doubling farmers income	01	16	-	16	04	-	04	20	-	20
Integrated Crop Management	Ratoon management of sugarcane crop	01	17	-	17	03	-	03	20	-	20
	Production technology of autumn planted sugarcane.	01	10	-	10	10	-	10	20	-	20
	Production technology of timely sown wheat.	01	18	-	18	02	-	02	20	-	20
	Planting technique use trench method in sugarcane.	01	09	02	11	02	07	09	11	09	20
Production of organic inputs	Technique of making and use of daspariya	01	15	-	15	05	-	05	20	-	20
<b>Total</b>		<b>09</b>	<b>139</b>	<b>02</b>	<b>141</b>	<b>32</b>	<b>07</b>	<b>39</b>	<b>171</b>	<b>09</b>	<b>180</b>
<b>II. Horticulture</b>											
<b>(a) Vegetable crops</b>											
Production of low value and high volume crops	Cultivation of Bhindi on ridges.	01	18	-	18	02	-	02	20	-	20
	Sowing techniques of Garden pea.	01	18	-	18	02	-	02	20	-	20
Nursery raising	Nursery management of cucurbitaceous vegetable	01	17	-	17	03	-	03	20	-	20
	Preparation of nursery in Tomato crop	01	16	-	16	04	-	04	20	-	20
<b>Total (a)</b>		<b>04</b>	<b>69</b>	<b>-</b>	<b>69</b>	<b>11</b>	<b>-</b>	<b>11</b>	<b>80</b>	<b>-</b>	<b>80</b>
<b>(b) Fruits Nil</b>											
<b>(c) Ornamental plants</b>											
Nursery Management	Fertilizer management in Marigold crop.	01	17	-	17	03	-	03	20	-	20

	Sowing techniques in Gladiolus crop	01	17	-	17	03	-	03	20	-	20
<b>Total (c)</b>		<b>02</b>	<b>34</b>	<b>-</b>	<b>34</b>	<b>06</b>	<b>-</b>	<b>06</b>	<b>40</b>	<b>-</b>	<b>40</b>
<b>f) Spices</b>											
Production and Management technology	Weed management in Onion crop	01	18	-	18	02	-	02	20	-	20
	Garlic plantation on ridges	01	18	-	18	02	-	02	20	-	20
<b>Total (f)</b>		<b>02</b>	<b>36</b>	<b>-</b>	<b>36</b>	<b>04</b>	<b>-</b>	<b>04</b>	<b>40</b>	<b>-</b>	<b>40</b>
<b>Total (a-f)</b>		<b>08</b>	<b>139</b>		<b>139</b>	<b>21</b>		<b>21</b>	<b>160</b>	<b>-</b>	<b>160</b>
<b>IV. Livestock Production and Management</b>											
Dairy Management	Care and feed management of newly born calves.	01	18	-	18	02	-	02	20	-	20
	Care of milch animals and calves in winter season.	01	18	-	18	02	-	02	20	-	20
Disease Management	Mastitis diseases in milch animals its causes and control.	01	18	-	18	02	-	02	20	-	20
	Effect of deworming in farm animals	01	17	-	17	03	-	03	20	-	20
	Infertility management in dairy animal.	01	18	-	18	02	-	02	20	-	20
Feed & fodder technology	Green fodder production throughout the year	01	14	-	14	06	-	06	20	-	20
<b>Total</b>		<b>06</b>	<b>103</b>	<b>-</b>	<b>103</b>	<b>17</b>	<b>-</b>	<b>17</b>	<b>120</b>	<b>-</b>	<b>120</b>
<b>V. Home science/women empowerment</b>											
Designing and development for high nutrient efficiency diet	Role of vitamin & minerals in diet	01	-	18	18	-	02	02	-	20	20
Processing and cooking	Household food security by nutrition kitchen gardening	01	-	10	10	-	10	10	-	20	20
	Home scale soya bean processing	01	-	10	10	-	10	10	-	20	20
Value addition	To impart knowledge of rural women about care of milch animal	01	-	10	10	-	10	10	-	20	20
	To impart knowledge for rural women related to roof top kitchen gardening	01	-	9	9	-	11	11	-	20	20

Minimization of nutrient loss in processing	Processing of seasonal fruits and vegetables	01	-	12	12	-	08	08	-	20	20
	Processing of Maize, Ragi, Bajra millets	01	-	12	12	-	08	08	-	20	20
Women and child care	Awareness of Immunization and its schedule	01	-	16	16	-	04	04	-	20	20
Location specific drudgery reduction technologies	Reduction of time & drudgery by the use of improved Agricultural implements for Agri. women	01	-	10	10	-	10	10	-	20	20
	Drudgery reduction farm implements	01	-	10	10	-	10	10	-	20	20
<b>Total</b>		<b>10</b>	<b>-</b>	<b>117</b>	<b>117</b>	<b>-</b>	<b>83</b>	<b>83</b>	<b>-</b>	<b>200</b>	<b>200</b>
<b>VII. Plant Protection</b>											
IDM	Management of early and late blight disease in potato	01	18	-	18	02	-	02	20	-	20
IPM	Management of termite in kharif crops	01	18	-	18	02	-	02	20	-	20
<b>Total</b>		<b>02</b>	<b>36</b>	<b>-</b>	<b>36</b>	<b>04</b>	<b>-</b>	<b>04</b>	<b>40</b>	<b>-</b>	<b>40</b>
<b>X. Capacity Building and Group Dynamics</b>											
Entrepreneurial development of farmers/youths	Preparation of business plan for FPO	01	16	04	20	-	-	-	16	04	20
Formation and Management of SHGs	Constitution of Self-Help Group for women empowerment.	01	-	18	18	-	02	02	-	20	20
	Impact of SHGs in prog. of rural women	01	-	13	13	-	07	07	-	20	20
	Role of SHGs in women empowerment	01	-	16	16	-	04	04	-	20	20
Mobilization of social capital	Income generation through crop diversification	01	17	-	17	03	-	03	20	-	20
	Application of tricocards in sugarcane to control the top borer to reduce pest mang.	01	18	-	18	02	-	02	20	-	20
	Application of sticky traps in kharif crops to reduce pests and cost of cultivation	01	18	-	18	02	-	02	20	-	20



	Post harvest management techniques in vegetables	01	18	-	18	02	-	02	20	-	20
<b>Total</b>		<b>08</b>	<b>87</b>	<b>51</b>	<b>138</b>	<b>09</b>	<b>13</b>	<b>22</b>	<b>96</b>	<b>64</b>	<b>160</b>
<b>GRAND TOTAL</b>		<b>43</b>	<b>504</b>	<b>170</b>	<b>674</b>	<b>83</b>	<b>103</b>	<b>186</b>	<b>587</b>	<b>273</b>	<b>860</b>

### C. On + Off Campus

Thematic Area	Actual Title of training conducted	No. of courses	No. of participants								
			Others			SC/ST			Grand Total		
			M	F	T	M	F	T	M	F	T
<b>A) Farmers &amp; Farm Women</b>											
<b>I. Crop production</b>											
Weed management	Weed management in paddy	01	12	-	12	08	-	08	20	-	20
	Weed management in wheat	01	18	-	18	02	-	02	20	-	20
Resource Conservation Technology	Production technology of Azolla & BGA	01	18	-	18	02	-	02	20	-	20
	Sowing technique in maize	01	15	-	15	05	-	05	20	-	20
Seed Production	Importance of Roughing technique in wheat seed production	01	19	-	19	01	-	01	20	-	20
	Seed production of Urd & Moong bean	02	36	-	36	04	-	04	40	-	40
	Technology of quality wheat seed production.	01	18	-	18	02	-	02	20	-	20
Crop Diversification	Intercropping Urd / moong in spring sugarcane.	01	19	-	19	01	-	01	20	-	20
Integrated Farming	Importance of IFS model for doubling farmers income	01	16	-	16	04	-	04	20	-	20
Integrated Crop Management	Intercropping of urdbean in Sugarcane	01	02	-	02	18	-	18	20	-	20
	Improved varieties of wheat under timely sown condition and their production techniques	01	18	-	18	02	-	02	20	-	20
	Ratoon management of sugarcane crop	01	17	-	17	03	-	03	20	-	20
	Production technology of autumn planted sugarcane.	01	10	-	10	10	-	10	20	-	20

	Production technology of timely sown wheat.	01	18	-	18	02	-	02	20	-	20
	Planting technique use trench method in sugarcane.	01	9	02	11	02	07	9	11	09	20
Production & use of organic inputs	Technique of making and use of daspariya	01	15	-	15	05	-	05	20	-	20
<b>Total</b>		<b>17</b>	<b>260</b>	<b>02</b>	<b>262</b>	<b>71</b>	<b>07</b>	<b>78</b>	<b>331</b>	<b>09</b>	<b>340</b>
<b>II. Horticulture</b>											
<b>(a) Vegetable crops</b>											
Production of low value and high volume crops	Cultivation of Bhindi on ridges.	01	18	-	18	02	-	02	20	-	20
	Sowing techniques of Garden pea.	01	18	-	18	02	-	02	20	-	20
Nursery raising	Nursery management of cucurbitaceous vegetable	01	17	-	17	03	-	03	20	-	20
	Preparation of nursery in Tomato crop	01	16	-	16	04	-	04	20	-	20
Off-season vegetables	Early sowing of watermelon under low tunnel.	01	16	-	16	04	-	04	20	-	20
<b>Total (a)</b>		<b>05</b>	<b>85</b>	<b>-</b>	<b>85</b>	<b>15</b>	<b>-</b>	<b>15</b>	<b>100</b>	<b>-</b>	<b>100</b>
<b>(b) Fruits</b>											
Cultivation of Fruit	Nutrient management in mango	01	17	-	17	03	-	03	20	-	20
<b>Total (b)</b>		<b>01</b>	<b>17</b>	<b>-</b>	<b>17</b>	<b>03</b>	<b>-</b>	<b>03</b>	<b>20</b>	<b>-</b>	<b>20</b>
<b>(c) Ornamental plants</b>											
Nursery Management	Fertilizer management in Marigold crop.	01	17	-	17	03	-	03	20	-	20
	Sowing techniques in Gladiolus crop	01	17	-	17	03	-	03	20	-	20
<b>Total (c)</b>		<b>02</b>	<b>34</b>	<b>-</b>	<b>34</b>	<b>06</b>	<b>-</b>	<b>06</b>	<b>40</b>	<b>-</b>	<b>40</b>
<b>f) Spices</b>											
Production and Management technology	Weed management in Onion crop	01	18	-	18	02	-	02	20	-	20
	Garlic plantation on ridges	01	18	-	18	02	-	02	20	-	20
<b>Total (f)</b>		<b>02</b>	<b>36</b>	<b>-</b>	<b>36</b>	<b>04</b>	<b>-</b>	<b>04</b>	<b>40</b>	<b>-</b>	<b>40</b>
<b>Total (a-f)</b>		<b>10</b>	<b>172</b>		<b>172</b>	<b>28</b>		<b>28</b>	<b>200</b>		<b>200</b>
<b>Total</b>		<b>01</b>	<b>15</b>	<b>-</b>	<b>15</b>	<b>05</b>	<b>-</b>	<b>05</b>	<b>20</b>	<b>-</b>	<b>20</b>
<b>IV. Livestock Production and Management</b>											
Dairy Management	Care and feed of newly born calves.	01	18	-	18	02	-	02	20	-	20
	Care of milch animals and calves in winter season.	01	18	-	18	02	-	02	20	-	20

Disease Management	Mastitis diseases in milch animals its causes and control.	01	18	-	18	02	-	16	20	-	20
	Effect of deworming in farm animals	01	17	-	17	03	-	03	20	-	20
	Infertility management in dairy animal.	01	18	-	18	02	-	02	20	-	20
Animal Nutrition Management	Care and management of calf during winter season	01	13	-	13	07	-	07	20	-	20
	Urea treatment of poor-quality roughages like wheat straw and paddy straw.	01	18	-	18	02	-	02	20	-	20
	Importance of Mineral mixture in dairy animal.	01	15	-	15	05	-	05	20	-	20
Feed & fodder technology	Green fodder production throughout the year	01	14	-	14	06	-	06	20	-	20
<b>Total</b>		<b>09</b>	<b>149</b>	<b>-</b>	<b>149</b>	<b>31</b>	<b>-</b>	<b>31</b>	<b>180</b>	<b>-</b>	<b>180</b>
<b>V. Home science/women empowerment</b>											
Design and development of low/minimum cost diet	Creative Rakhi making for income generation	01	-	10	10	-	10	10		20	20
Designing and development for high nutrient efficiency diet	Role of vitamin & minerals in diet	01	-	18	18	-	02	02	-	20	20
Processing and cooking	Household food security by nutrition kitchen gardening	01	-	10	10	-	10	10	-	20	20
	Home scale soya bean processing	01	-	10	10	-	10	10	-	20	20
Value addition	To impart knowledge of rural women about care of milch animal	01	-	10	10	-	10	10	-	20	20
	To impart knowledge for rural women related to roof top kitchen gardening	01	-	09	09	-	11	11	-	20	20
Minimization of nutrient loss in processing	Processing of seasonal fruits and vegetables	01	-	12	12	-	08	08	-	20	20
	Processing of Maize, Ragi, Bajra millets	01	-	12	12	-	08	08	-	20	20

Women and child care	Awareness of Immunization and its schedule	02	-	34	34	-	06	06	-	40	40
	Diet management in farm women for better health in summer season	01	-	10	10	-	10	10	-	20	20
Location specific drudgery reduction technologies	Introduction of gender friendly small tools and implements for enhancement of work efficiency for farm women	01	-	20	20	-	-	-	-	20	20
	Reduction of time & drudgery by the use of improved Agricultural implements for Agri. women	01	-	10	10	-	10	10	-	20	20
	Drudgery reduction farm implements	01	-	10	10	-	10	10	-	20	20
<b>Total</b>		<b>14</b>	<b>-</b>	<b>175</b>	<b>175</b>	<b>-</b>	<b>105</b>	<b>105</b>	<b>-</b>	<b>280</b>	<b>280</b>
<b>VII. Plant Protection</b>											
IPM	Integrated insect & disease management in cruciferous crop.	01	16	-	16	04	-	04	20	-	20
	Integrated insect management in Urd	01	18	-	18	02	-	02	20	-	20
	Integrated insect & disease management in rabi pulses	01	18	-	18	02	-	02	20	-	20
	Management of termite in kharif crops	01	18	-	18	02	-	02	20	-	20
IDM	Management of early and late blight disease in potato	01	18	-	18	02	-	02	20	-	20
<b>Total</b>		<b>05</b>	<b>88</b>	<b>-</b>	<b>88</b>	<b>12</b>	<b>-</b>	<b>12</b>	<b>100</b>	<b>-</b>	<b>100</b>
<b>X. Capacity Building and Group Dynamics</b>											
Entrepreneurial development of farmers/youths	Preparation of business plan for FPO	01	16	04	20	-	-	-	16	04	20
	Formation of FPO	01	18	-	18	02	-	02	20	-	20
	Application of ICT in Agri.	01	11	-	11	09	-	09	20	-	20
Formation and Management of SHGs	Constitution of SHG	01	-	12	12	-	08	08	-	20	20
	Constitution of Self-Help Group for women empowerment.	01	-	18	18	-	02	02	-	20	20

	Impact of SHGs in prog. of rural women	01	-	13	13	-	07	07	-	20	20
	Role of SHGs in women empowerment	01	-	16	16	-	04	04	-	20	20
Mobilization of social capital	Income generation through crop diversification	01	17	-	17	03	-	03	20	-	20
	Use of soil health cards to improve soil health	01	08	-	08	12	-	12	20	-	20
	Application of tricocards in sugarcane to control the top borer to reduce pest mang.	01	18	-	18	02	-	02	20	-	20
	Application of sticky traps in kharif crops to reduce pests and cost of cultivation	01	18	-	18	02	-	02	20	-	20
	Post harvest management techniques in vegetables	01	18	-	18	02	-	02	20	-	20
<b>Total</b>		<b>12</b>	<b>124</b>	<b>63</b>	<b>187</b>	<b>32</b>	<b>21</b>	<b>53</b>	<b>156</b>	<b>84</b>	<b>240</b>
<b>GRAND TOTAL</b>		<b>67</b>	<b>793</b>	<b>240</b>	<b>1033</b>	<b>174</b>	<b>133</b>	<b>307</b>	<b>967</b>	<b>373</b>	<b>1340</b>

#### D. RURAL YOUTH / VOCATIONAL TRAINING (ON CAMPUS)

Area of training	Actual Title of training conducted	No. of courses	No. of participants								
			Others			SC/ST			Grand Total		
			M	F	T	M	F	T	M	F	T
Dairying	Dairy Farming.	01	08	-	08	02	-	02	10	-	10
Nursery Management of Horticulture crops	Nursery mang. of cucumber, capsicum and tomato cultivation under polyhouse.	01	07	-	07	03	-	03	10	-	10
Value addition	Income generation through making of washing powder, washing liquid for rural women	01	-	05	05	-	05	05	-	10	10
Protected cultivation of ornamental crops	Production techniques of chrysanthemum under naturalventilated poly house	01	-	06	06	-	04	04	-	10	10

	Rose and Gerbera production under polyhouse	01	08	-	08	02	-	02	10	-	10
Tailoring and Stitching	Tailoring	01	-	06	06	-	04	04	-	10	10
	Clothing making embroidery and stitching	01	-	06	06	-	04	04	-	10	10
Mushroom Production	Mushroom Production Technology	01	08	-	08	02	-	02	10	-	10
<b>Grand Total</b>		<b>08</b>	<b>31</b>	<b>23</b>	<b>54</b>	<b>09</b>	<b>17</b>	<b>26</b>	<b>40</b>	<b>40</b>	<b>80</b>

### E. RURAL YOUTH / VOCATIONAL TRAINING (OFF CAMPUS)

Area of training	Actual Title of training conducted	No. of courses	No. of participants								
			Others			SC/ST			Grand Total		
			M	F	T	M	F	T	M	F	T
Dairying	Dairy Farming.	01	08	-	08	02	-	02	10	-	10
Production of organic inputs	Production technique of BGA and Azola. compost production	01	07	-	07	03	-	03	10	-	10
Poultry production	Techniques of Poultry farming	01	08	-	08	02	-	02	10	-	10
<b>Grand Total</b>		<b>03</b>	<b>23</b>	<b>-</b>	<b>23</b>	<b>07</b>	<b>-</b>	<b>07</b>	<b>30</b>	<b>-</b>	<b>30</b>

### F. RURAL YOUTH / VOCATIONAL TRAINING (ON + OFF CAMPUS)

Area of training	Actual Title of training conducted	No. of courses	No. of participants								
			Others			SC/ST			Grand Total		
			M	F	T	M	F	T	M	F	T
Dairying	Dairy Farming.	02	16	-	16	04	-	04	20	-	20
Production of organic inputs	Production technique of BGA and Azola. compost production	01	07	-	07	03	-	03	10	-	10
Nursery Management of Horticulture crops	Nursery mang. of cucumber and capsicum cultivation and tomato under polyhouse.	01	07	-	07	03	-	03	10	-	10
Poultry production	Techniques of Poultry farming	01	08	-	08	02	-	02	10	-	10
Protected cultivation of ornamental crops	Rose & Gerbera production under poly houses	01	08	-	08	02	-	02	10	-	10
	Production techniques of chrysanthemum under natural ventilated poly house	01	-	06	06	-	04	04	-	10	10
Value addition	Income generation through making of washing powder,	01	-	05	05	-	05	05	-	10	10

	washing liquid for rural women										
Tailoring and Stitching	Tailoring	01	-	06	06	-	04	04	-	10	10
	Clothing making embroidery and stitching	01	-	06	06	-	04	04	-	10	10
Production technology	Mushroom Production Technology	01	08	-	08	02	-	02	10	-	10
<b>Grand Total</b>		<b>11</b>	<b>54</b>	<b>23</b>	<b>77</b>	<b>16</b>	<b>17</b>	<b>33</b>	<b>70</b>	<b>40</b>	<b>110</b>

### G. EXTENSION PERSONNEL (ON CAMPUS)

Area of training	Actual Title of training conducted	No. of courses	No. of participants								
			Others			SC/ST			Grand Total		
			M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	Nursery management in paddy	01	08	01	09	01	-	01	09	01	10
	Weed management in major rabi crops	01	08	-	08	02	-	02	10	-	10
Management in farm animals	Importance of mineral vitamins in animal feeds	01	08	-	08	02	-	02	10	-	10
IPM	Use and importance of bio-pesticides on crop production	01	08	-	08	02	-	02	10	-	10
Women and Child care	Health benefits and nutritional value of moringa	01	-	08	08	-	02	02	-	10	10
Low cost and nutrient efficient diet designing	Value addition of millets	01	-	03	03	-	07	07	-	10	10
Capacity building for ICT application	Role of ICT in Agriculture	01	06	-	06	04	-	04	10	-	10
	Result and Method demonstration	01	38	12	50	-	-	-	38	12	50
<b>Grand Total</b>		<b>8</b>	<b>76</b>	<b>24</b>	<b>100</b>	<b>11</b>	<b>9</b>	<b>20</b>	<b>87</b>	<b>33</b>	<b>120</b>

### H. EXTENSION PERSONNEL (OFF CAMPUS)

Area of training	Actual Title of training conducted	No. of courses	No. of participants								
			Others			SC/ST			Grand Total		
			M	F	T	M	F	T	M	F	T
INM	Use of water soluble fertilizers in wheat	01	40	10	50	-	-	-	40	10	50
Productivity enhancement of Horticultural crops	Intercropping vegetable with autumn sugarcane	01	09	-	09	01	-	01	10	-	10
Women and Child care	Anemia during pregnancy its causes and prevention treatment	01	-	08	08	-	02	02	-	10	10
	Health benefits value addition and nutritious value of sorghum millets	01	-	08	08	-	02	02	-	10	10
Management in farm animals	Management of milking animal during summer season.	02	16	-	16	04	-	04	20	-	20

	Use of mineral mixture and its importance for milch animals	01	40	10	50	-	-	-	40	10	50
Others (Seed Production)	Introduction of HYV of wheat	01	08	-	08	02	-	02	10	-	10
	Seed Production of moong bean & urdbean.	01	10	-	10	-	-	-	10	-	10
	Seed Production technique of paddy	01	10	-	10	-	-	-	10	-	10
Nursery Management	Nursery raising of marigold	01	40	10	50	-	-	-	40	10	50
Formation and Management of FPOs	Formation and Management of FPOs	01	40	10	50	-	-	-	40	10	50
Production & use of organic inputs	Importance of natural farming	01	25	25	50	-	-	-	25	25	50
<b>Grand Total</b>		<b>13</b>	<b>238</b>	<b>81</b>	<b>319</b>	<b>07</b>	<b>04</b>	<b>11</b>	<b>245</b>	<b>85</b>	<b>330</b>

### I. EXTENSION PERSONNEL (ON +OFF CAMPUS)

Area of training	Actual Title of training conducted	No. of courses	No. of participants								
			Others			SC/ST			Grand Total		
			M	F	T	M	F	T	M	F	T
INM	Use of water soluble fertilizers in wheat.	01	40	10	50	-	-	-	40	10	50
IPM	Use and importance of bio-pesticides on crop production	01	08	-	08	02	-	02	10	-	10
Productivity enhancement in field crops	Nursery management in paddy	01	08	01	09	01	-	01	09	01	10
	Weed management in major rabi crops	01	08	-	08	02	-	02	10	-	10
	Intercropping vegetable with autumn sugarcane	01	09	-	09	01	-	01	10	-	10
Production & use of organic inputs	Importance of Natural Farming	01	25	25	50	-	-	-	25	25	50
Women and Child care	Anemia during pregnancy its causes and prevention treatment	01	-	08	08	-	02	02	-	10	10
Low cost and nutrient efficient diet designing	Health benefits value addition and nutritious value of sorghum millets	01	-	08	08	-	02	02	-	10	10
	Value addition of millets	01	-	03	03	-	07	07	-	10	10
	Health benefits and nutritional value of moringa	01	-	08	08	-	02	02	-	10	10
Management in farm animals	Management of milking animal during summer season.	02	16	-	16	04	-	04	20	-	20
	Use of mineral mixture and its importance for milch animals	01	40	10	50	-	-	-	40	10	50
	Importance of mineral vitamins in animal feeds	01	08	-	08	02	-	02	10	-	10
	Role of ICT in Agriculture	01	06	-	06	04	-	04	10	-	10



Capacity building for ICT application	Result and Method demonstration	01	38	12	50	-	-	-	38	12	50
Others (Seed Production)	Introduction of HYV of wheat	01	08	-	08	02	-	02	10	-	10
	Seed Production of moong bean & urdbean.	01	10	-	10	-	-	-	10	-	10
	Seed Production technique of paddy	01	10	-	10	-	-	-	10	-	10
Nursery Management	Nursery raising of marigold	01	40	10	50	-	-	-	40	10	50
Formation and Management of FPOs	Formation and Management of FPOs	01	40	10	50	-	-	-	40	10	50
<b>Grand Total</b>		<b>21</b>	<b>314</b>	<b>105</b>	<b>419</b>	<b>18</b>	<b>13</b>	<b>31</b>	<b>332</b>	<b>118</b>	<b>450</b>

## J. Sponsored training programmes

Area of training	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
<b>Crop production and Management</b>											
Increasing production and Productivity of crops	Production Technique of kharif crops	05	100	-	100	20		20	120	-	120
Commercial production of vegetables & Fruits	Production Technique of Zaid Vegetables & fruits	05	100	-	100	20		20	120	-	120
<b>Production and value addition</b>											
Fruit Plants											
Ornamental plants											
Spices crops											
Soil health and fertility management											
Production of inputs at site		-	-	-	-	-	-	-	-	-	-
Methods of protective cultivation		-	-	-	-	-	-	-	-	-	-
<b>Others</b>	PMKSY	15	32	-	32	08	-	08	40	-	40
Press mud composting		-	-	-	-	-	-	-	-	-	-
Vermi composting											
<b>Total</b>		<b>25</b>	<b>232</b>	<b>-</b>	<b>232</b>	<b>48</b>	<b>-</b>	<b>48</b>	<b>280</b>	<b>-</b>	<b>280</b>
<b>Post harvest technology and value addition</b>											
Processing and value addition		-	-	-	-	-	-	-	-	-	-
Others		-	-	-	-	-	-	-	-	-	-
Total											
<b>Farm machinery</b>											
Farm machinery, tools and implements		-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)		-	-	-	-	-	-	-	-	-	-

<b>Total</b>		-	-	-	-	-	-	-	-	-	-
<b>Livestock and fisheries</b>											
Livestock production and management Goat rearing											
Animal Nutrition management											
Animal disease management											
Others(pl. specify)											
<b>Total</b>											

<b>Home science</b>											
Household nutritional security	-	-	-	-	-	-	-	-	-	-	-
Economic empowerment	-	-	-	-	-	-	-	-	-	-	-
Drudgery reduction of women	-	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	-
<b>Agricultural Extension</b>											
Capacity Building and group dynamics											
<b>Others (Pl. specify)</b>											
<b>Total</b>											
<b>Grand Total</b>	<b>25</b>	<b>232</b>	<b>-</b>	<b>232</b>	<b>48</b>	<b>-</b>	<b>48</b>	<b>280</b>	<b>-</b>	<b>280</b>	

**Name of sponsoring agencies involved – F.T.T. programme funded by U.P. Govt.**

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

Area of training	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
<b>Crop production and management</b>											
Commercial floriculture	Rose & Gerbera production under poly houses	01	08	-	08	02	-	02	10	-	10
	Production techniques of chrysanthemum under natural ventilated poly house	01	-	06	06	-	04	04	-	10	10
Commercial vegetable production	Nursery mang. of cucumber and capsicum cultivation and tomato under polyhouse.	01	07	-	07	03	-	03	10	-	10
<b>Total</b>		<b>03</b>	<b>15</b>	<b>06</b>	<b>21</b>	<b>05</b>	<b>04</b>	<b>09</b>	<b>20</b>	<b>10</b>	<b>30</b>
<b>Post harvest technology and value addition</b>											
Value addition	Income generation through making of washing powder, washing liquid for rural women	01	-	05	05	-	05	05	-	10	10
<b>Total</b>		<b>01</b>	<b>-</b>	<b>05</b>	<b>05</b>	<b>-</b>	<b>05</b>	<b>05</b>	<b>-</b>	<b>10</b>	<b>10</b>
<b>Livestock and fisheries</b>											
Dairy farming	Dairy farming	02	16	-	16	04	-	04	20	-	20
Poultry farming	Techniques of Poultry farming	01	08	-	08	02	-	02	10	-	10
<b>Total</b>		<b>03</b>	<b>24</b>	<b>-</b>	<b>24</b>	<b>06</b>	<b>-</b>	<b>06</b>	<b>30</b>	<b>-</b>	<b>30</b>
<b>Income generation activities</b>	<b>Actual Title of training conducted</b>										
Production of organic inputs	Production technique of	01	07	-	07	03	-	03	10	-	10

	BGA and Azola. compost production										
<b>Others (pl. specify)</b> <b>Tailoring and Stitching</b>	Tailoring	01	-	06	06	-	04	04	-	10	10
	Clothing making embroidery and stitching	01	-	06	06	-	04	04	-	10	10
<b>Total</b>		<b>03</b>	<b>07</b>	<b>12</b>	<b>19</b>	<b>03</b>	<b>08</b>	<b>11</b>	<b>10</b>	<b>20</b>	<b>30</b>
<b>Agricultural Extension</b>		-	-	-	-	-	-	-	-	-	-
Capacity building and group dynamics	Mushroom Production	01	08	-	08	02	-	02	10	-	10
<b>Total</b>		<b>01</b>	<b>08</b>	<b>-</b>	<b>08</b>	<b>02</b>	<b>-</b>	<b>02</b>	<b>10</b>	<b>-</b>	<b>10</b>
<b>Grand Total</b>		<b>11</b>	<b>54</b>	<b>23</b>	<b>77</b>	<b>16</b>	<b>17</b>	<b>33</b>	<b>70</b>	<b>40</b>	<b>110</b>

## VII. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	13	420	18	438
Diagnostic visits	31	302	-	302
Field Day	5	21	5	26
Group discussions	02	42	-	42
Kisan Ghosthi	6	320	11	331
Film Show	02	Mass	Mass	
Self -help groups	01	28	-	28
Kisan Mela	01	275	15	290
Exhibition	01	201	15	216
Scientists' visit to farmers field	32	423	-	423
Ex-trainees Sammelan	-	-	-	
Farmers' seminar/workshop	03	321	-	321
Method Demonstrations	03	100	-	100
Celebration of important days "Swachhita" Pakwada	04	165	09	174
Special day celebration (Kisan Samman Divas)	01	141	10	151
Exposer Visit	02	100	-	100
Others (pl. specify)				
Natural Farming	15	240	-	240
Visit of farmers & farmer group to KVK	51	906	-	906
Lecture delivered	31	1054	-	1054
Kharif Abhiyan 2023	21	525	-	525
Viksit Bharat Sankalp Yatra	32	1087	46	1133
<b>Total</b>	<b>257</b>	<b>6671</b>	<b>129</b>	<b>6800</b>

### A. Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	-
Extension Literature	06
News paper coverage	40
Popular articles	-
Radio Talks	01
TV Talks	-
Animal health amps (Number of animals treated)	-
Others (pl. specify)	-
<b>Total</b>	<b>47</b>

## B. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						Total
		Crop	Lives tock	Weather	Marke-ting	Aware-ness	Other enter prise	
Hapur	Text only	30	20	-	21	75	25	171
	Voice only							
	Voice & Text both							
	<b>Total Messages</b>	<b>171</b>						<b>171</b>
	<b>Total farmers Benefitted</b>	<b>171</b>						<b>171</b>

## VIII. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organised Technology Week	Types of Activities	No. of Activitie s	Number of Participant s	Related crop/livestock technology
01	Gosthi	08	180	Value addition & Poshan Vatika

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

### Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Rabi 2022-23 (Wheat)	PBW -343		99.02	231459.25	Kribhco
	Kharif 2023	Dhecha	Pant Dhencha -1	For Green manuring	-	-
		Jawar	Hariganga	For Fodder	21000	For Cow
	Paddy	PB 1509 PS - 5	Basmati	16.05	41400	Auction
	<b>Total</b>			<b>115.07</b>	<b>2,93,859.25</b>	
Oilseeds	Rabi 2022-23 (Mustard)	RH - 0749		28.90	130032.00	NSC, Meerut
Pulses						
	<b>Total</b>			<b>28.90</b>	<b>130032.00</b>	
<b>G.Total</b>				<b>143.97</b>	<b>4,23,891.25</b>	

Commercial crops						
	<b>Total</b>					
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						

Others (Seed Mixture)						
<b>Grand Total</b>						

#### A. Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
Vegetable seedlings	Brinjal, ,	<b>Brinjal Variety Black beauty</b>	-	4000	200.00	06
	Cabbage	Cabbage Dream Head	-	2000	200.00	06
	Cauliflower	Cauliflower Snow boll		3000	250.00	08
Fruits						
Ornamental plants	Marigold,	<b>Jafri</b>	-	6000	-	KVK campus
	Candulla,	<b>Normal</b>		5000	-	KVK campus
	ice plant	Normal		4000		KVK campus



Medicinal and Aromatic Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest species						
Others						
<b>Total</b>				<b>24000</b>	<b>650.00</b>	<b>20</b>

## B. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity	Value (Rs.)	No. of Farmers
		Kg		
Bio Fertilisers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others				
<b>Total</b>				

## C. Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
<b>Dairy animals</b>				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
<b>Poultry</b>				
Broilers				
Layers				

Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
<b>Piggery</b>				
Piglet				
Others (Pl. specify)				
<b>Fisheries</b>				
Indian carp				
Exotic carp				
Others (Pl. specify)				
<b>Total</b>				

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

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	-	-	-	-
Water				
Plant				
Manure				
Others (pl. specify)				
<b>Total</b>	-	-	-	-

## XI. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted	Date of SAC
Krishi Vigyan Kendra, Hapur	01	08 Nov. 2023

## XII. NEWSLETTER

Name of KVK	Number of Copies printed for distribution
Hapur	200

## XIII. PUBLICATIONS

Category	Number
Books	02
Research Paper	-
Technical bulletins	01
Technical reports	06
Others (pl. specify) Folder & Leaflets	06
<b>Toatl</b>	<b>15</b>

#### 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.)
NA				

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

A. Introduction of alternate crops/varieties - NA

Crops/cultivars	Area (ha)	Number of beneficiaries

B. Major area coverage under alternate crops/varieties - NA

Crops	Area (ha)	Number of beneficiaries
Oilseeds		
Pulses		
Cereals		
Vegetable crops		
Tuber crops		
Commercial crop		
<b>Total</b>		

C. Farmers-scientists interaction on livestock management - NA

Livestock components	Number of interactions	No.of participants
<b>Total</b>		

D. Animal health camps organised -NA

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

E. Seed distribution in drought hit states - NA

Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
<b>Total</b>			

F. Large scale adoption of resource conservation technologies - NA

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

## G. 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>	<b>05</b>	<b>220</b>	<b>07</b>	<b>252</b>	<b>02</b>	<b>36</b>	<b>01</b>	<b>202</b>	<b>01</b>	<b>102</b>	<b>02</b>	<b>45</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
SVPUAT	Capacity building of New recruited SMS	01	01	20
	Induction Program on Agricultural Marketing	01	02	20
	BDEF	01	02	20
	Extension methology and motivation skills for extension personal	01	03	20
	Quality Parameters of Agro Inputs	01	02	20
	Production and Protection Technology of Horticultural Crops	01	01	20
	Crop Production technologies	01	02	20
<b>Total</b>		<b>07</b>	<b>13</b>	<b>20</b>

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

Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
30 <sup>th</sup> Annual Zonal Review workshop KVKs of U.P	01	01	01
Midterm Review workshop KVKs of U.P	01	01	01
<b>Total</b>	<b>02</b>	<b>02</b>	<b>01</b>

## XVII. CASE STUDIES

### Kitchen Gardening: Improve Nutritional Security and Supplements House hold Income.



#### **Introduction**

Kitchen gardens are cost-effective, practical and easily meet the balanced dietary requirements of rural households as well as add substantially to the family income. Crops are selected considering the prevailing food habits and climatic conditions of the implementation areas, and with the larger goal of ensuring availability of wholesome and nutritious food.

In 2022, Krishi Vigyan Kendra, babugarh conduct Front Line Demonstration on Kitchen Garden. In these demonstrations distribute seeds and planting material of 10 types of vegetables.

Smt. Sadhana, a progressive farm woman of kitchen garden initiative and a resident of Atuta Village in Hapur District says, “Apart from an increase in income, the kitchen garden initiative also helped me to ensure food security and improve the nutrition status of my family. Regular intake of nutrient rich vegetables like Bhindi, Lauki and Kheera increase energy levels and efficiency in work.”

#### **KVK Intervention**

Krishi Vigyan Kendra promote through small kitchen garden (150 sqm) with an aim to improve nutrition security and supplement house hold income. Motivate farm women through training, lecture and practical work to adopt Kitchen Garden.

#### **Output**

Particulars	Yield (q/ha)	Gross Cost (Rs./ha)	Gross Return (Rs./ha)	Net Return (Rs./Unit)	B:C Ratio	Other Parameters
Demonstration	258.7	636	8174	7538	12.9	Availability of maximum fresh veg.
Local Check	97.3	369	1902	1533	5.15	Availability of least fresh vegetable

#### **Economic Benefits**

Kitchen gardens help to increase household income either by sale of the food products grown in the gardens or by the consumption of the same food items that the families would have otherwise purchased from markets using a significant portion of the family income. Krishi Vigyan Kendra provided vegetable seeds and planting materials to 15 families. The vegetables in the kitchen garden harvested for approximately 75-80 DAS, saving Rs 60 per day for each family on an average. This ultimately led to a saving of approximately Rs 7538 per family.

#### **Social Benefits**

Kitchen gardens directly contribute to household food security by increasing availability, accessibility, and utilization of food products. Food items produced in kitchen gardens add to the family nutrition substantially, which directly leads to reduction of food insecurity.

## **Women Empowerment**

Kitchen gardening helped women to develop proficiency in vegetable cultivation to some extent, which in turn helps them become better home and environment managers and meet the needs of their families more easily and economically. This enhances their status within the family and in the society at large as well.

Kitchen gardens can also be a very good option for pregnant women who are not supposed to do heavy manual field work or spend long hours with insufficient food intake in order to ensure physical safety of the mother and the child. Additionally, the new-born infants need regular breast-feeding and attention. After six months, a child needs more than breast milk alone and complementary foods need to be provided. Being at home during these months, investing time in kitchen gardening, thus provides women with income generation to some extent; also, nutrient rich kitchen garden products have the potential to ensure food and nutritional safety of growing children.

## **Environmental Gains**

Majority of the households, who are progressive farm woman of kitchen garden initiative in Atuta use organic methods of cropping including organic manure. Lesser dependence on chemical fertilizers and pesticides automatically makes kitchen gardening an environment friendly initiative.

In addition to this, kitchen gardens provide environmentally sound opportunities for waste disposal. Composting is commonly used for household wastes including kitchen waste, paper, and even animal waste, which are used to enrich the soil.

Kitchen gardens serve as an eco-friendly and sustainable agricultural practice to improve food security and enhance economic growth of rural households in Atuta Village. In times of increasing food prices, the kitchen gardening practice has the potential to directly address the areas of nutrition and food security, income generation and an alternate livelihood creation for the household as well as empowerment of women, in the long run, in rural areas.



## XIX Achievement of Special programmes

### 1) Achievement of skill development training funded by DAC&FW - NA

S. No.	SubSector*	QP Name *	Duration (hrs)	No. of Courses Organized	No. of Participants						TOTAL
					SCs/STs		Others		Total		
					Male	Female	Male	Female	Male	Female	
1	Agriculture Crop Production	Jute and Mesta Cultivator	200								
2	Agriculture Crop Production	Vineyard Grower	200								
3	Agriculture Crop Production	Vineyard Worker	200								
4	Agriculture Crop Production	Makhana Grower cum Processor	200								
5	Agriculture Crop Production	Temperate Fruit Grower (Options: Apple / Pear, Peach and Plum / Kiwi)	200								
6	Agriculture Crop Production	Orchard Worker (Options: Trainer-Pruner / Machine Operator - Landscape)	200								
7	Agriculture Crop Production	Vegetable Grower	200								
8	Agriculture Crop Production	Spice Crop Cultivator (Electives: Herbal Spices/Seed Spices/Tree Spices/Rhizomatous Spices/Oil Yielding Spices/Pod (Cardamom) Spices)	200								
9	Agriculture Crop Production	Nursery Worker	200								
10	Agriculture Crop Production	Essential Oil Extractor	200								
11	Agriculture Crop Production	Power Tiller Operator	200								
12	Agriculture Crop Production	Farm Worker	200								
13	Animal Husbandry	Goat Farmer	200								
14	Animal Husbandry	Piggery Farmer (Electives: Fattening/ Breeding)	200								
15	Fisheries	Coldwater Aquaculture Farmer	200								
16	Fisheries	Seaweed Cultivator	200								
17	Forestry, Environment and Renewable Energy Management	Timber Grower	200								

18	Forestry, Environment and Renewable Energy Management	Lac Cultivator	200								
19	Agriculture Industries	Ripening Chamber Operator	200								
20	Agriculture Industries	Group Farming Practitioner	200								
21	Agriculture Industries	Agri Commodity Fumigation Operator	200								
22	Agriculture Industries	Plant Tissue Culture Technician	200								
23	Agriculture Crop Production	Flower Handler-Packaging & Palletising	212								
24	Agriculture Crop Production	Tropical/Subtropical Fruit Grower	220								
25	Agriculture Crop Production	Florist	220								
26	Agriculture Crop Production	Service and Maintenance Technician-Farm Machinery	220								
27	Fisheries	Cage Culture Fish Farmer	230								
28	Agriculture Crop Production	Pesticide & Fertilizer Applicator	232								
29	Agriculture Crop Production	Operator-Reaper, Thresher and Crop Residue Machinery	236								
30	Animal Husbandry	Stud Farm Worker	240								
31	Animal Husbandry	Companion Animal Groomer	244								
		<b>TOTAL</b>									



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

a) CRM Machinery procured by KVKs

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

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

b) IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities	No. of Participants
	Kisan Melas organized		
1.	Awareness programmes conducted at Village Panchayat/ Block/ District Level		
2.	Mobilization of schools and colleges through essay completion, painting, debate etc.		
3.	Demonstration conducted (ha)		
4.	Training Programmes conducted		
5.	Exposure visits organized		
6.	Field /harvest days organized		
	<b>Total</b>		

b) Other IEC activities organized under CRM Project by KVKs - NA

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

3) Achievement of TSP (Tribal Sub Plan) - NA

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

4) Achievement of KSHAMTA (Knowledge Systems And Home Based Agricultural Management in Tribal Areas) - NA

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

5) Achievements of SCSP KVKs - NA

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

6) Achievement under IFS KVKs

Sl. No.	IFS (Component Name)	No. of IFS established	Area (ha)	Number of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training
1	Paddy, Mustard + Banana	01	5.0	02	02	20	40
2	Agriculture + horticulture + floriculture under protected cultivation	03	5.0	01	02	15	40
3							

7) Activities performed under NARI programme

Table-7.1: Details of activities performed under NARI programme

Nutritional Garden		Bio-fortified crops		Value addition		Training programmes		Extension activities	
No of Established	No. of farmers/beneficiaries	No of activity	No. of farmers/beneficiaries	No of activity	No. of farmers/beneficiaries	No of activity	No. of farmers/beneficiaries	No of activity	No. of farmers/beneficiaries
08	20	08	08	02	20	10	200	05	125

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

Category	Bio Fortified Crop	Variety	Area (ha)	No of Beneficiaries
Cereal	Maize			
	Rice			
	Wheat	WB02	2.0	06
Millet	Finger millet			
	Pearlmillet			
	Sorghum			
Oilseed	Groundnut			
	Mustard			
Pulses	Lentil			
	Lathyras			
Vegetable	Cauliflower			
Tuber	Sweet Potato			
<b>Total</b>				

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

Sample	No. of Samples in lakh	No. of Farmers in lakh	No. of Villages in lakh	Amount realized (Rs. in lakhs)	No. of Soil Health Cards issued (lakhs)
Soil					
Water					
Plant					
Manure					
<b>Total</b>					

9) Achievements under NICRA Project - NA

NRM		Crop production		Livestock & Fisheries			Capacity Building		Extension Activities	
Demo	Area (ha)	Demo	Area (ha)	Demo	Area (ha)	No. of animals	No of Courses	Farmers	No. of programmes	Farmers

10) Achievements under ARYA Project - NA

Name of entrepreneurial units	No. of entrepreneurial units established	No. of Training programs organised	No. of rural youth trained		No. of youth established units	
			Male	Female	Male	Female
Mushroom production						
Fruits and vegetable processing units, Horticulture nursery						
Fish farming						
Poultry						
Goat farming						
Piggery						
Duck farming						
Bee keeping						

Others if any						
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**11) Achievements under Pulses Seed Hub programme - NA**

Season/Crop	Name of Pulse crop	Variety	Production			Category of seed (E/S, C/S)
			Target (q)	Area sown (ha)	Actual Production (q)	
Kharif	Black gram					
	Green Gram					
	Pigeon pea					
<b>Total (Kharif)</b>						
Rabi	Chick pea					
	Field pea					
	Lentil					
<b>Total (Rabi)</b>						
Summer	Black gram					
<b>Total (Summer)</b>						
<b>Grand Total</b>						

**12) Achievements under Swachhata Abhiyan Mission**

S.No.	Items	No. of Programmes	No. of persons participated
1	Toilet maintenance		
2	Road, drain cleaning		
3	Garbage disposal		
4	Door to door awareness	02	30
5	Awareness campaign	03	75
6	Nookkad Drama		
7	School Drama		
8	School rally		
9	Writing painting slogans		
10	Composting		
11	Other		
12	Gosthies	03	252
13			

**13) Achievements under Aspirational District Scheme - NA**

Name of programme	Number
<b>Training</b>	
Session No.	
No. of farmers	
Officers/staff involved	
<b>Seed &amp; Plant Distribution</b>	
Programme number	
Seed distribution in q	
No. of plant distributed	
Biological products distributed	
No. of programme organised	
No. of farmers	



	Officers/staff involved
<b>Animal husbandra &amp; fish distribution programme</b>	
	Vaccination
	Medicine for control of parasite
	Distribution of mineral mixure
	No. of farmers
	Officers/staff involved

**14) Awards -**

S.No.	Name of Award received	Name of KVK/farmer	Year of Award	Date on which award received
1	Potato Production 2023	Hapur/Sh. Monu Kumar	15 Feb. 2023	15 Feb. 2023
2	Ist Prize Winner in Kisan Mela	Hapur	17-19 Oct. 2023 at SVPDAT, Meerut	19 Oct. 2023
3	UTKRISHT KRISHI VIGYAN KENDRA AWARD 2023 (UPCAR foundation day 34 <sup>th</sup> )	Hapur	27 Oct.2023	27 Oct. 2023
4	UTKRISHT KRISHI UTPADAN SANGTHAN AWARD 2023 (FPO) (UPCAR foundation day 34 <sup>th</sup> )	Sh. Harsh Vardhan Tyagi	27 Oct. 2023	27 Oct. 2023
5	Millionaire Award 2023 (IARI PUSA)	Sh. Harsh Vardhan Tyagi	06 Dec. 2023	06 Dec. 2023
6	Kisan Samman Divas Award 2023	Sh. Vikar Ahmad Khan	23 Dec. 2023	23 Dec. 2023
7	National potato Innovative Farmer Award 2023	Sh. Vijay Pal Singh	23 Dec. 2023	23 Dec. 2023
8	National potato Innovative Farmer Award 2023	Sh. Rajdeep Siddhu	23 Dec. 2023	23 Dec. 2023

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