KRISHI VIGYAN KENDRA, AMROHA

ANNUAL PROGRESS REPORT

(January – December, 2023)

(Directorate of Extension)

Sardar Vallabhbhai Patel University of Agriculture & Technology,

Meerut - 250 110, Uttar Pradesh, India

FUNDED BY ICAR-ATARI, KANPUR

Contents

DETAIL REPORT OF APR - (January to December, 2023)

1. GENERAL INFORMATION ABOUT THE KVK:

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

Address	Telephone/Mobil No.		E mail
Officer In-Charge, Krishi Vigyan Kendra Gajraula, Amroha (U.P.)	-	9719353536	**amrohakvk@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 SVPUA&T, Meerut-250110 (UP)	0121-2888540, 2888511	0121-2888540	deesvpuat2014@gmail.com

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

Name	Telephone / Contact		
	Residence	**Mobile**	**Email**
Dr. Arvind Kumar Mishra	-	9719353536	amrohakvk@gmail.com

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

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC / Others)	Mobile No.	Email id	Please attach recent photograph
1.	Officer In-Charge	Dr. Arvind Kumar Mishra	Officer In-Charge	Agronomy	15600-39100	8000	104100	20.7.2020	Permanent	Gen.	9719353536	amrohakvk@gmail.com	
2.	Subject Matter Specialist	Dr. Sheesh Pal Singh	SMS/Asst. Prof.	Horticulture	15600-39100	7000	101200	01.2.2020	Permanent	SC.	9410849455	singhsp14@gmail.com	
3.	Subject Matter Specialist	Dr. Amit Tomar	SMS/ T6	Plant Breeding	15600-39100	5400	57800	02.07.2022	Permanent	OBC	6395472664	tomaramit2016@gmail.com	
4.	Subject Matter Specialist	Dr. Hadi Husain Khan	SMS/ T6	Plant Protection	15600-39100	5400	57800	05.07.2022	Permanent	Gen.	9140850518	hhkhan.amu.786@gmail.com	
5.	Subject Matter Specialist	Miss. Prachi Patel-	SMS/ T6	Home Science	15600-39100	5400	57800	12.07.2022	Permanent	OBC	7905764931	prachipatel709@gmail.com	
6.	Subject Matter Specialist	-	Vacant	-	-	-	-	-	-	-	-	-	-
7.	Subject Matter Specialist	-	Vacant	-	-	-	-	-	-	-	-	-	-
8.	Farm Manager	Dr. Ravindra Pal Singh	Farm Manager	Ag. Extension	55200	-	56900	10-03-2018	Permanent	SC.	9412405845	rpskvkbsr@gmail.com	
9.	Prog. Assistant	-	Vacant	-	-	-	-	-	-	-	-	-	-

	(Computer)												
10.	Prog. Assistant (Fisheries)	Dr. Raghu Nath Singh	Prog. Assistant (Fisheries)	Fisheries-	9300-34800	5400	93000	06-07-2022	Permanent	OBC	9411037240	raghukvknagina@gmail.com	
11.	Accountant / Superintendent	-	Vacant	-	-	-	-	-	-	-	-	-	-
12.	Stenographer/ computer operator	Sh. Abdul Gaffar	Stenographer/ computer operator	-	5200-20200	4200	66000	18-07-2023	Permanent	OBC	8630428449	-	
13.	Driver	Sh. Avdesh Kumar Tyagi	Driver	-	5200-20200	2800	39200	07-09-2021	Permanent	Gen	9968227040	Avdesht63@gmail.com	
14.	Attendant	Sh. Ramkumar	Attendant	-	33300	-	34300	02-07-2022	Permanent	SC	9897515299	-	

1.6. Total land with KVK (in ha): 12.00 ha.

S. No.	Item	Area (ha)
1	Under Buildings	1.20
2.	Under Demonstration Units	0.40
3.	Under Crops	9.50
4.	Pond Under MENREGA	0.20
5.	Others (specify) Old Farm Building (Abounded)	0.70
	Total	**12.00**

1.7. Infrastructural Development:

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	Construction Completed	-	-	-	-	Construction Completed
2.	Farmers Hostel	-	-	-	-	-	-	-
3.	Staff Quarters (6)	-	-	-	-	-	-	-
4.	Demonstration Units (2)	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm go down	-	-	-	-	-	-	-

A) Buildings:

1.8. A). Details SAC meeting* conducted (18-12-2023):

S.No.	Name of Participants	Designation
1.	Dr. Satendra Kumar Khari	Joint Director of Extension, SVPUAT, Meerut
2.	Dr. P.K. Singh	Associate Prof. Agronomy, SVPUAT, Meerut
3.	Dr. Hariom Katiyar	Assistant Prof. Horticulture, SVPUAT, Meerut
4.	Sh. Ram Pravesh	Deputy Director Agriculture, Amroha
5.	Sh. Bablu Kumar	Distt. Agriculture Officer, Amroha
6.	Sh. Sarvesh Chandra	DHO, Amroha
7.	Sh. Hari Mohan	SCDI, Amroha
8.	Dr. Khushi ram	CVO, Amroha
9.	Dr. Mustaque Ahmad	Veterinary Officer, Gajraula, Amroha
10.	Dr. Rajendra Kumar	PPO, Amroha
11.	Dr. A.K. Mishra	Officer In-Charge Gajraula , Amroha
12.	Dr. Sheesh Pal Singh	Asstt. Prof., KVK, Gajraula , Amroha
13.	Dr. Amit Tomar	Subject Matter Specialist (Plant Breeding), KVK, Gajraula, Amroha
14.	Dr. Hadi Husain Khan	Subject Matter Specialist (Plant Protection), KVK, Gajraula, Amroha
15.	Dr. Prachi Patel	Subject Matter Specialist (Home Science), KVK, Gajraula, Amroha
16.	Dr. R.N. Singh	Prog. Assistant (Fisheries), KVK, Gajraula, Amroha
17.	Dr. R.P.Singh	Prog. Asstt. / Farm Manager, KVK, Gajraula , Amroha

कार्यसूची – 2

क0सं0	निर्णय	अनुपालन आख्या
1	1. शरदकालीन गन्ना के साथ सहफसलों को बढावा दिया जाये। 2. गेहूँ की नई प्रजातियों का प्रचार प्रसार किया जाये साथ ही गेहूँ की नई प्रजाति डब्लू0बी0–2, पी.बी. डब्ल्यू–752 एवं पूसा तेजस का प्रदर्शन कृषकों के खेतों पर कराया जाये। 3. फसल अवशेष प्रबन्धन पर प्रशिक्षण एवं प्रदर्शन आयोजित कराये जायें। **– डा0 पी.के.सिंह सह निदेशक प्रसार (शस्य)**	1. जनपद में शरदकालीन गन्ने के साथ सरसों एवं सब्जियों की फसल के प्रदर्शन कृषकों के खेतों पर आयोजित कराये गये है। 2. गेहूँ की नई फोर्टीफाइड (डब्लू0बी0–2, पी.बी.डब्ल्यू–752 एवं पूसा तेजस) के प्रदर्शन कृषकों के खेतों पर आयोजित कराये गये है। 3. फसल अवशेष प्रबन्धन पर केन्द्र द्वारा प्रशिक्षण आयोजित किये जा रहे हैं तथा विभिन्न गोष्ठियों के माध्यम से भी कृषकों को जागरूक करने का कार्य चल रहा है।
2.	1. जल विलेय उर्वरकों पर प्रदर्शन कराने का सुझाव दिया। 2. सरसों की अधिक उत्पादन देने वाली प्रजाति डी.आर.एम.आर. – 1165–40 एवं आर.एच.–0749 के प्रदर्शन कृषकों के यहाँ एवं तकनीकी पार्क में प्रदर्शित किये जाये। **– डा0 सतेन्द्र कुमार खारी, सह निदेशक (उद्यान)**	1. केन्द्र के वैज्ञानिकों द्वारा जल विलेय उर्वरक 18:18:18, 17:44:0, 0:0:50 तथा नैनो यूरिया एवं नैनो डी.ए.पी. के प्रदर्शन कृषकों के प्रक्षेत्र पर एवं केन्द्र पर आयोजित कराये गये हैं। 2. केन्द्र के वैज्ञानिकों द्वारा सरसों की नवीनतम एवं अधिक उपज देने वाली प्रजातियाँ डी.आर.एम.आर. – 1165–40 का बीज भरतपुर, राजस्थान से लाकर कृषकों के यहाँ एवं केन्द्र पर प्रदर्शन केन्द्र आयोजित कराये गये हैं।
3	सब्जियों, औषधीय फसलों, फूलों की खेती पर प्रदर्शन एवं प्रशिक्षण, कृषकों एवं कृषक महिलाओं के लिए आयोजित कराये जायें। **– डा0 सतेन्द्र कुमार खारी, सह निदेशक**	उद्यान विशेषज्ञ की नियुक्ति होने के बाद सब्जियों, औषधीय फसलों, फूलों की खेती पर प्रदर्शन एवं प्रशिक्षण आयोजित कराये गये है।
4	खुरपका एवं मुंहपका, रिपिट ब्रिडिंग, एन्इस्ट्रस बीमारी पर प्रशिक्षण कराय`जायें तथा उक्त प्रशिक्षण में जिले के पशु चिकित्साधिकारीयों को भी शामिल किया जाये। **– पशु चिकित्साधिकारी, गजरौला, अमरोहा**	पशुपालन विशेषज्ञ की नियुक्ति होने पर खुरपका एवं मुंहपका, रिपिट ब्रिडिंग, एन्इस्ट्रस बीमारी पर प्रशिक्षण आयोजित कराये जायेगें।
5	आलू की उन्नतशील प्रजातियों का बीज उपलब्ध कराया जाये तथा उनके प्रदर्शन भी कराये जायें। **– डा0 सतेन्द्र कुमार खारी, सह निदेशक (उद्यान)**	1. केन्द्र के वैज्ञानिकों ने सी0पी0आर0आई0–मेरठ के सहयोग से आलू की नवीन प्रजाति कुफरी मोहन, कुफरी फ़ाईसोना, कुफरी चिप्सोना, कुफरी बहार एवं कुफरी नीलकंठ के प्रदर्शन आयोजित कराये गये हैं।
6	फसल बीमा पर के0वी0के0 के माध्यम से कृषकों को जागरूक किया जाये। **–उपनिदेशक कृषि, अमरोहा**	1. केन्द्र के वैज्ञानिकों द्वारा विभिन्न विषयों के प्रशिक्षण, गाष्ठियों, किसान मेला, चौपाल चर्चा के माध्यम से कृषकों को जागरूक किया जा रहा है।
7	1. घरेलू महिलाओं को लघु उद्योग शुरू करने के सम्बन्ध में प्रशिक्षण दिया जाये। **–रीना रानी** 2. खाद्य प्रसंस्करण आधारित प्रशिक्षण आयोजित कराये जायें। **– श्रीमती अनिता** 3. केन्द्र पर किचन गार्डन का प्रदर्शन कराकर किसानों को दिखाया जाये।	1. घरेलू महिलाओं को लघु उद्योग आधारित प्रशिक्षण में लेस बनाना, राखी बनाना, मट्को पर वर्ली आर्ट एवं दीयों की सजावट विषय पर केन्द्र के वैज्ञानिकों ने प्रशिक्षण आयोजित किये जिसमें जनपद के साथ–साथ अन्य जनपदों एवं राज्यों के कृषक एवं महिलाओं ने प्रतिभाग किया। 2. गृह विज्ञान विशेषज्ञ ने खाद्य प्रसंस्करण पर प्रशिक्षण आयोजित कराये जा रहे है। 3. केन्द्र पर किचन गार्डन का प्रदर्शन लगाकर कृषकों एवं कृषक महिलाओं को प्रोत्साहित करने का कार्य केन्द्र के वैज्ञानिकों द्वारा किया जा रहा है। 4. महिलाओं एवं बच्चों में कुपोषण की समस्या एवं उसका निदान हेतु प्रशिक्षण कराये जा रहे है।
8	केन्द्र पर केंचुआ पालन इकाई, एजौला इकाई एवं खाद्यान फसलों की नवीनतम प्रजातियों की इकाई का प्रदर्शन भी कराया जाये। **–गुरूवचन सिंह**	केन्द्र पर केंचुआ पालन इकाई, एजौला इकाई एवं खाद्यान फसलों की नवीनतम प्रजातियों की इकाई के प्रदर्शन केन्द्र के वैज्ञानिकों द्वारा कराया जा रहे है।
9	केन्द्र पर प्राकृतिक खेती का प्रदर्शन एवं प्रदर्शन इकाई भी स्थापित करायी जाये। **–डा0 एस.के.लोधी, सह निदेशक**	केन्द्र पर वैज्ञानिकों द्वारा प्राकृतिक खेती का प्रदर्शन एवं प्रदर्शन इकाई भी स्थापित कराने के साथ साथ प्रशिक्षण देने का कार्य किया जा रहा है।

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

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

S. No	Farming system/enterprise
1.	**Major crops –** Paddy, wheat, mustard, sugarcane, Mentha, Urd bean & Lentil
2.	**Vegetable Crops-** Cauliflower, Cabbage, Tomato, Brinjal, Potato, Sponge Gourd, Bitter Gourd, Cucumber, Chilli & Bottle Gourd
3.	**Major Food Crops-** Mango, Guvava, Banana & Papaya
4.	**Crop rotation –** Rice- sugarcane, Mustard – Sugarcane + Banana, Urd - Sugarcane + Mustard, Fodder - Sugarcane + Vegetables, Rice- wheat, Urd-Mustard-Cabbage, Potato-Maize, Urd – Wheat- Jowar (Fodder).
5.	Agriculture + Horticulture + Livestock
6.	Crop + Dairy + Horticulture + Bee keeping + Poultry / Fisheries / Mushroom, Vermi-compost

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

S. No.	Agro-climatic Zone	Characteristics	Agro-ecological situation	Characteristics
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)
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.
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 + poplar + A.H.+ Hort.

2.3 Soil types:

S. No	Soil type	Characteristics		Area in ha
		Fertility		-
		pH	(N P K)	-
1.	Clay	7.50	M L M	-
2.	Loam	7.65	M L M	-
3.	Sandy loam	7.65	M L M	-

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

S. No	Crop	Area (ha)	Production (Qtl.)	Productivity (Qtl /ha)
1.	Sugarcane	98506.0	4359177.00	607.28
2.	Wheat	92356.00	384621.00	39.48
3.	Paddy (Rice)	26460	73030.00	27.60
4.	Mustard	3589.00	4993.00	12.09
5.	Bajra	3252.00	3327.00	10.23
6.	Maize	1947.00	4050.00	20.80
7.	Urd	3302.00	2595.00	07.86
8.	Moong	13.00	05.00	04.14
9.	Potato	2267	47795.00	210.83

2.5. Weather data:

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	

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

Category	Population	Production	Productivity
Cattle			
Crossbred	17000.00	-	-
Indigenous	130000.00	-	-
Buffalo	371000.00	-	-
Sheep	2000.00	-	-
Goats	56000.00	-	-

2.7 Details of Operational area / Villages (December, 2023):

S. No.	Taluk/ Village	Name of the block	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Gulariya	Joya	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	Khyalipur	Gajraula	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	Neelikheri	Dhamora	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 technology in horticultural crops. Low yield of paddy, wheat, mentha & mustard	Diversification in Agriculture. Use of improved variety and IPM, ICM. Heavy infestation of weeds.
4	Raipur Shumali	Gajraula	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.	Kumarala	Gajraula	Paddy, Wheat, Sugarcane Papaya, Mustard, Poplar, Dairy	Use of local varieties of different crops by the farmers. Pest problems Low yield of paddy,	Diversification in Agriculture. Use of improved variety and IPM, ICM. Heavy infestation of

S. No.	Taluk/ Village	Name of the block	Major crops & enterprises	Major problem identified	Identified Thrust Areas
				wheat, mentha & mustard	weeds.
6.	Fatehpur Sumali	Gajraula	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.

2.8 Priority/thrust areas:

S.No.	Enterprise/ Crop	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/ Oilseeds	IPM in crops
6.	Cereals/Pulses/ Oilseeds	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
14.	Mushroom	Popularization of Mushroom
15.	Dairying	To reduce repeat breeding in animal (Cattle & Buffaloes)
16.	Dairying	Management of FMD
17.	Poultry	Promotion of Backyard poultry
18.	Fodder	Round the year green fodder production
19.	Kitchen Garden	Nutritional Kitchen Gardening
20.	Value Addition	Value addition in Fruits and vegetables

3. TECHNICAL ACHIEVEMENTS:

3.A. Details of target and achievements of mandatory activities by KVK during Jan.-Dec., 2023:

OFT (Technology Assessment)				FLD (Oilseeds, Pulses, Cotton, OtherCrops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievementt	Targets	Achievement	Targets	Achievement
06	12	60	84	20.0	48.7	100	148

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	100	88	2000	1760				
Rural youth	05	10	50	100				
Extn. Functionaries	20	32	200	500	-	-	-	-

Seed Distribution under FLDs, CFLDs & OFTS (Qtl.)			Planting material (Nos.)		
5			6		
Target (q)	**Achievementt (q)**	**Distributed to no.of farmers**	**Target**	**Achievement**	**Distributed to no. of farmers**
20.00 q	35.58 q	25 0	20,000	45,000	65

I.A TECHNOLOGY ASSESSMENT:

Summary of technologies assessed under various crops by KVKs:

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Weed Management	Paddy	Assessment the effect of newly weedicide (Bispyribac Sodium + Chlorimuron + Metsulfuran) for weed control in Paddy crop.	08	08
Varietal Evaluation	Paddy	Assessment of suitable variety of Basmati Rice in Amroha district (PB-1692)	05	05
	Paddy	Assessment of suitable variety of Basmati Rice in Amroha district (PB-1886)	04	04
	YellowSarson	Assessment of newly developed high yielding & high oil content yellow mustard variety (Pitambari).	10	10
	Wheat	Assessment of suitable variety of late sown Wheat (DBW-173).	12	12
	BitterGourd	Assessment of high yielding variety of Bitter Gourd (Pragati)	10	10
Integrated Pest Management	Tomato	Assessment of Suitable insecticide to control of Fruit borer in Tomato.	05	05
	Paddy	Assessment of Suitable insecticide to control of SheathBlight in Paddy.	10	10
Post-Harvest Technology / Value addition	Lemon Pickles	Impact assessment of lemon pickles with garlic.	05	05
	Lemon pickles with garlic	Value addition of lemon pickles with garlic.	15	15
Drudgery Reduction	Sugarcane Stripper	Assessment of newly improved sugarcane stripper as compared to domestic sickle	10	10
Total			**104**	**104**

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	-	-	-	-
Production and Management	-	-	-	-
Others (Pl. specify)- Animal Reproduction	Cattle	To assess the effect of feeding mineral mixture and Dewormed on reproductive performance of Cattle.	10	10 (Animals)
Total			**10**	**10**

Summary of technologies assessed under various enterprises by KVKs – N.A.

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
-	-	-	-	-
	-	-	-	-

Note: Suppose IPM in paddy is the technology assessed by 50 KVKs in the Zone with 5 trials by each KVK,then IPM in paddy needs to be considered as a single technology, with 50*5 = 250 trials and No. of KVKs will be 50. In addition, please note that even if IPM in paddy is done with various combinations of Technology Options (treatments), it may be considered as a single technology only.

KRISHI VIGYAN KENDRA, GAJRAULA, AMROHA
APR SUMMARY

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

1. Training Programmes:

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	90	1500	300	1800
Rural youths	10	100	-	100
Extension functionaries	35	700	-	700
Sponsored Training	01	40	10	50
Vocational Training	-	-	-	-
Total				

2. Frontline demonstrations:

Enterprise	No. of Farmers	Area (ha)	Units/ Animals
Oilseeds	100	40	-
Pulses	-	-	-
Cereals	37	14.80	-
Vegetables	30	2.0	-
Other crops	-	-	-
Hybrid crops	-	-	-
Total	**117**	**40.80**	**-**
Livestock & Fisheries (Fodder Production)	20	2.0	-
Other enterprises (Kitchen Garden)	20	0.2	-
Total	**40**	**2.2**	**-**
Grand Total	**257**	**83.00**	**-**

3. Technology Assessment & Refinement:

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Technology Assessed			
Crops	08	74	74
Livestock	01	10	10 (Animals)
Various enterprises	01	05	05
Total	**10**	**79 + 10 (Animals)**	**79 + 10 (Animals)**
Technology Refined			
Crops	-	-	-
Livestock	-	-	-
Various enterprises	-	-	-
Total	-	-	-
Grand Total	**10**	**79 + 10 (Animals)**	**79 + 10 (Animals)**

4. Extension Programmes:

Category	No. of Programmes	Total Participants
Extension activities	275	2590
Other extension activities	60	1550
Total	**335**	**4140**

5. Mobile Advisory Services:

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weatherr	Marketing	Awareness	Other enterprise	Total
Krishi Vigyan Kendra, Amroha	Text only	125	15	21	22	225	32	440
	Voice only	262	12	35	36	178	33	556
	Voice & Text both	285	22	25	48	245	48	673
	Total Messages	**672**	**49**	**81**	**106**	**64 8**	**11 3**	**1669**
	Total farmers Benefitted	**1265**	**275**	**620**	**955**	**1450**	**1125**	**5690**

6. Seed & Planting Material Production:

Seed (q)	Quintal/Number	Value Rs.
Mustard (CS)- Var. (RH-0749)	49.13	Rs. 2,21,040.00
Wheat (FS) – Var. (HD-3226)	128.23	Rs. 300206.00
Paddy (Commercial)-Var. NDR-359	125.20	Rs. 273311.00
Bajra (Commercial)-Var. 86M94	-	-
Planting material (No.)	45,000	6000.00
Bio-Products (kg)	-	-
Livestock Production (No.)	-	-
Fishery production (No.)	-	--
Total	**302.56 q & 45,000 samplings**	**8,00,557/-**

7. Soil, water & plant Analysis:

Samples	No. of farmers	Value Rs.
Soil- 100 samples tested by KVK, Ghaziabad	100	14850/- transfer to KVK, Ghaziabad
Soil- 37 samples tested by KVK, Hastinapur	37	5550/- transfer to KVK, Hastinapur
Water	-	-
Plant	-	-
Total	**137**	**20,400/-**

8. HRD and Publications:

Sr. No.	Category	Number	No. of participants
1	Workshops (Online/Offline)	12	05
2	Conferences	08	05
3	Meetings	15	04
4	Trainings for KVK officials	05	03
5	Visits of KVK officials	15	15
6	Book published	05	05
7	Training Manual	03	03
8	Book chapters	20	20
9	Research papers	04	04
10	Lead papers	05	05

11	Seminar papers	02	02
12	Extension folder	10	10
13	Proceedings	01	01
14	Award & recognition	05	05
15	On going research projects	-	-

I.B. TECHNOLOGY ASSESSMENT IN DETAIL:

(From each state please include the full details of three OFTs on technology assessment and or refinement under the broad thematic areas such as Integrated Crop Management, weed management, pest and disease management, nutrient management, resource conservation, livestock enterprises, Integrated Nutrient Management). (The model for preparing the same is furnished below):

RESULTS OF TECHNOLOGY ASSESSMENT DURING 2022-2023-INTEGRATED CROP MANAGEMENT Varietal Assessment (Rabi-2022-23)

OFT-01-: Problem definition: Low yield of yellow sarson due to selection of old variety

Technology Assessed or Refined (as the case may be): Assessment of newly developed high yielding & high oil content yellow mustard varieties. K.V.K. Amroha conducted on-farm trial to assess the high yielding varieties of yellow sarson. Condition (**Pirtambari**). The yellow sarson variety sown in October 2022 with full package and practices. The problem assessed on the basis of suitable and high yielding & high oil content yellow sarson (Var. Pitambari) under irrigated condition.

Table-1: Effect of Yellow sarson (Pitambari) over to Control:

Technology Option	No. of trials	Yield (kg/ha)	% Increase in yield	Net Return (Rs./ha.)	B.C. Ratio
T_1– Farmers Practice (B-09)	10	12.50	-	55750	3.21
T_2 – Pitambari		15.45	19.09	73675	3.75
Recommendation	The data showed in table that T_2 (**Pitambari*)*** is more suitable in relation to yield as compared to T_1. Farmers practice (B-09) recommend to the farmers of Amroha district to use Pitambari for irrigated condition good yield (19.09% more) and hgh oil recovery. This variety have 42-43% oil content and also produce 24.65 % more pods/plant.				
Farmers reactions	Use of Pitambari variety is good for yield and high oil recovery.				
Date of Sowing & harvesting	10- 15 November, 2022 & 15-20 February, 2023.				

Varietal Assessment (Rabi-2022-23)

OFT-02-: Problem definition: Low yield of wheat due to selection of poor & old variety

Technology Assessed or Refined (as the case may be): Assessment of suitable variety of late sown Wheat. K.V.K. Amroha conducted on-farm trial to assess the high yielding varieties of wheat under late sown Condition (**DBW-173**). The wheat variety sown in November 2022 with full package and practices. The problem assessed on the basis of suitable and high yielding wheat variety under late sown condition.

Table-1: Effect of Wheat variety DBW-173 over to Control:

Technology Option	No. of trials	Yield (kg/ha)	% Increase in yield	Net Return (Rs./ha.)	B.C. Ratio
T_1– Farmers Practice (DBW-373)	12	36.00	-	43890	2.14
T_2 – DBW-173		46.50	22.58	103698	2.63
Recommendation	The data showed in table that T_2 (**DBW -173)** is more suitable in relation to yield as compared to T_1. Farmers practice (DBW 373) recommend to the farmers of Amroha district to use DBW –173 for late sown condition good yield (22.58% more) and against pest & diseases (Yellow & Brown Rust). DBW-173 is a Bio-fortified Wheat variety having 12.5 % protein and 40.7 PPM Iron content and also having 25.97 % more tillers/m^2.				
Farmers reactions	Use of DBW – 173 variety is good for late sown condition.				
Date of Sowing & harvesting	10- 15 Dec., 2022 & 15-20 May, 2023.				

PEST AND DISEASE MANAGEMENT

(Rabi 2022-23)

OFT-03-: Problem definition: Low yield of Tomato due to infestation of Fruit borer.

Technology Assessed: Assessment of Suitable insecticide to control of Fruit borer in Tomato. Tomato is an important crop of Amroha. However, there is high incidence of Fruit borer pest resulting in yield loss. An on-farm trial was conducted to **assess** the control measure.

Table Effect of different methods in control of Fruit borer in Tomato

Technology Option	No. of trials	Infestation of Fruit by borer in Tomato (Per Plant)	Yield (q/ha)	% Increase in yield over farmer's practice	Cost of Input/ha (Rs.)	Total return per ha (Rs.)	Net Return (Profit)/ ha (Rs.)	CB Ratio
Application of Imidacloprid 17.8 SL @ 100 ml /acre (Farmers Practice)	05	5	228.0	18.43	73700	228000	154300	3.09
Application of Emamectin benzoate 5% SG @ 100 g/acre.		3	279.5		76500	279500	203000	3.65

(Sale Price. Rs. 1000/q)

Recommendation	The assessed technology of application of Emamectin benzoate 5% SG @ 100 g/acre. Reduced the percentage of insect infestation from 5 to 3 and yield was increased by 18.43 per cent.
Farmers reactions	Farmers appreciated the technology, application of Emamectin benzoate 5% SG @ 100 g/acre to manage the Fruit borer in Tomato as it reduced the insect infestation effectively and significantly increased the yield of tomato.

Animal Production (2022-23)

OFT-04: Problem definition: High incidence of anestrous and repeat breeding in Cattle.

Technology Assessed (as the case may be): To assess the effect of feeding mineral mixture and Dewormed on reproductive performance of Cattle. K.V.K. Amroha conducted on-farm trial. To assess the effect of feeding mineral mixture and Dewormed on reproductive performance of Cattle. The problem assessed on the basis of mineral mixture and Deworming on reproduction of Cattle.

Table-1: Effect of mineral mixture and Dewormer on reproductive performance of Cattle.

Technology Option	No. of trials	Conception rate (%)	No. of repeat breeding	Gross cost	Gross return	Net return	B:C Ratio
T_1- Farmer practice (Use of Common Salt)	10 (Animals)	40	05	35000	50000	15000	1.42
T_2- Use of Dewormer + Mineral Mixture		60	02	36500	58900	22400	4.61

Recommendation	The data showed in table that T_2 (**Use of Dewormer + Mineral Mixture)** is more effective in increase the conception rate as compared to T_1.
Farmers reactions	Farmers are convinced to use of **Dewormer + Mineral mixture** is more effective and beneficial.
Date of Distribution & data collection	01-05/10/2022 & 10-12/02/2023.

Preparation of Lemon pickles (2022-23)

OFT-05: Problem definition: Low income of farm women due to no value addition of lemon.

Technology Assessed or Refined (as the case may be): Impact assessment of lemon pickles with garlic. K.V.K. Amroha conducted on-farm trial to assess the shelf life, palatability, nutritional value of lemon pickles. The materials used were lemon, garlic, different spices distributed to the farmers during October, 2022. The problem assessed on the basis of income through product, keeping quality and B:C ratio of value added products of lemon pickles with garlic.

Table-1: To assess the income through product, keeping quality of value added products of lemon pickles with garlic.

Crop	Treatment	Demo	Production (kg)	Cost of production	Gross return	Net Return	% increased	C. B. Ratio
Value addition of lemon pickle	T1- FP	05	6 kg	750	950	200	-	1.27
	T2- (Scientific method)		6 kg	883	1250	367	24%	1.42
Recommendation			The data show in the table represent that the Scientific method (T2) for preparation of lemon pickle is more suitable in comparison of the Farmers practice (T1). Hence it is recommended that women should use scientific practice as it has better shelf life, palatability and also good for health with 24% increased income.					
Farmers reactions			Use of scientific method of preparation of lemon pickle is better.					
Date of distribution and data recording			29 Sept. to 04 Octo., 2022 and 26 December to 31 December., 2022.					

Evaluation of newly improved sugarcane stripper (2022-23)

OFT-06: Problem definition: Lower efficiency & more time consumption.

Technology Assessed or Refined (as the case may be): Assessment **of** newly improved sugarcane stripper as compared to domestic sickle. K.V.K. Amroha conducted on-farm trial to assess the efficiency of newly improved sugarcane stripper (**introduce by IISAR, Lucknow**). The sugarcane strippers were distributed among the local farmers who were engaged in sugarcane harvesting during November, 2022. The problem assessed on the basis of time taken for cutting, cost of cultivation, social acceptance and B:C ratio.

Table-1: To assess the Newly improved sugarcane stripper:

Technology Option	No. of trials	Time taken for cutting (1.0 ha)	No. of labour invested (1.0 ha)	Sugarcane production	Cost of harvesting (Rs.)	Benefit %
T_1– Farmers Practice (Local or indigenous sickle)	10	600 hr*	75	870 qt.	26250	25 %
T_2 – Newly improved sugarcane stripper		480 hr*	60		21000	

***Labour charge @Rs. 43.75/hr (350/day)**

Recommendation	The data shown in the table represent that the newly improved sugarcane stripper is more suitable in comparison of domestic sickle used by the farmers. Hence it is recommended that the farmers should use sugarcane stripper for harvesting of sugarcane as it has less time consumption and more economic in terms of harvesting with benefit percentage of 25%.
Farmers reactions	Use of newly improved sugarcane stripper is better in comparison of domestic sickle. The farmers accepted the sugarcane stripper and were willing to use it in future.
Date of distribution and data recording	18-22, November, 2022. & March,2023

Varietal Assessment
(Zaid 2023)

OFT-07 -: Assessment of high yielding variety of Bitter gourd (Var. – Pragati)

Problem definition: Low yield of Bitter Gourd due to selection of poor & old variety

Technology Assessed or Refined (as the case may be): Assessment of high yielding variety of Bitter Gourd (Var.- Pragati). K.V.K. Amroha conducted on-farm trial to assess the high yielding variety of Bitter Gourd (Pragati). The Bitter Gourd variety sown in February, 2023 with full package and practices. The problem assessed on the basis of high yielding Bitter Gourd variety.

Problem Diagnosed: Low yield of Bitter gourd due to use of local/old variety.

Technology Option	No. of trials	Area (ha.)	Yield (kg/ha)	% Increase in yield	Net Return (Rs./ha.)	B.C. Ratio
T_1– Farmers Practice (Vishesh)	10	0.40	215	27.1	210000	1:4.02
T_2 – **Pragati**			295		311200	1:5.30

Recommendation	The data showed in table that T_2 (**Var.- Pragati)** is more suitable in relation to yield as compared to T_1. Farmers practice **(Visesh)** recommend to the farmers of Amroha district to use Pragati.
Farmers reactions	Variety Pragati were superior over the farmers practices and variety Pragati adopted by the farmers.
Date of Sowing & harvesting	10- 15 Feb., 2023 & 20-25 May, 2023.

Weed Management (Kharif-2023)

OFT-08-: Problem definition: Low yield of Paddy due to high infestation of Weeds.

Technology Assessed or Refined (as the case may be): Assessment of newly weedicide in Paddy crop.

K.V.K. Amroha conducted on-farm trial to assess the newly weedicide (**Bispyribac Sodium + Chlorimuron + Metsulfuran)**. The problem assessed on the basis of suitable and highly effective weedicide.

Table-1: Effect of newly weedicide in Paddy (Pusa Basmati-1509) crop over to Control:

Technology Option	No. of trials	Yield (kg/ha)	% Increase in yield	Net Return (Rs./ha.)	B.C. Ratio
T_1– Farmers Practice (Pretilachlo 50 E.C. 500 ml/acre)	08	38.00	23.23	52350	2.23
T_2 – Bispyribac Sodium 10 % + Chlorimuron 10 % + Metsulfyuron		49.50		79050	2.77

Recommendation	The data showed in table that T_2 **(Bispyribac Sodium 10 % + Chlorimuron 10 % + Metsulfyuron)** is more suitable in relation to yield as compared to T_1. Farmers practice (**Pretilachlor 50 E.C. 500 ml**) recommend to the farmers of Amroha district to use **Bispyribac Sodium 10 % + Chlorimuron 10 % + Metsulfyuron** for weed control in Paddy crop.
Farmers reactions	Use of **Bispyribac Sodium 10 % + Chlorimuron 10 % + Metsulfyuron** for weed control.
Date of Sowing & harvesting	15-20 June, 2023 & 20-25 October, 2023.

Varietal Assessment (Kharif-2023)

OFT-09-: Problem definition: Low yield of Basmati Rice due to selection of poor & old variety

Technology Assessed or Refined (as the case may be): Assessment of suitable variety of Basmati Rice.

K.V.K. Amroha conducted on-farm trial to assess the high yielding varieties of Basmati Rice (**PB-1692**). The Basmati Rice variety sown in June 2023 with full package and practices. The problem assessed on the basis of suitable and high yielding Basmati Rice variety.

Table-1: Effect of Basmati Rice variety Pusa Basmati-1692 over to Control:

Technology Option	No. of trials	Yield (kg/ha)	% Increase in yield	Net Return (Rs./ha.)	B.C. Ratio
T_1– Farmers Practice (PB-1121)	05	37.90	17.16	58250	2.60
T_2 – PB-1692		45.75		74775	2.90

Recommendation	The data showed in table that T_2 (**PB-1692)** is more suitable in relation to yield as compared to T_1. Farmers practice (PB-1121) recommend to the farmers of Amroha district to use **Pusa Basamti-1692** for good yield (17.16 % more).
Farmers reactions	Use of **PB-1692** variety is good for irrigated condition sown condition.
Date of Sowing & harvesting	15-20 June, 2023 & 20-25 October, 2023.

Varietal Assessment (Kharif-2023)

OFT-10-: Problem definition: Low yield of Basmati Rice due to selection of poor & old variety

Technology Assessed or Refined (as the case may be): Assessment of suitable variety of Basmati Rice.

K.V.K. Amroha conducted on-farm trial to assess the high yielding varieties of Basmati Rice (**PB-1886**). The Basmati Rice variety sown in June 2023 with full package and practices. The problem assessed on the basis of suitable and high yielding Basmati Rice variety.

Table-1: Effect of Basmati Rice variety Pusa Basmati-1692 over to Control:

Technology Option	No. of trials	Yield (kg/ha)	% Increase in yield	Net Return (Rs./ha.)	B.C. Ratio
T_1– Farmers Practice (PB-1121)	04	38.02	17.80	59325	2.66
T_2 – PB-1886		46.25		74250	2.80

Recommendation	The data showed in table that T_2 (**PB-1886)** is more suitable in relation to yield as compared to T_1. Farmers practice (PB-1121) recommend to the farmers of Amroha district to use **Pusa Basamti-1886** for good yield (17.80 % more).
Farmers reactions	Use of **PB-1692** variety is good for irrigated condition sown condition.
Date of Sowing & harvesting	20-25 June, 2023 & 25-30 October, 2023.

Plant Protection (Kharif 2023)

OFT-11: Problem definition: Low yield of Paddy due to infestation of Sheath Blight.

Technology Assessed: Assessment of Suitable insecticide to control of Sheath Blight in Paddy. Paddy is an important crop of Amroha. However, there is high incidence of Sheath Blight disease resulting in yield loss. An on-farm trial was conducted to **assess** the control measure.

Table Effect of different methods in control of Sheath Blight in Paddy

Technology Option	No. of trials	Number of Infestation of Plant (Per Square meter)	Yield (q/ha)	% Increase in yield over farmer's practice	Cost of Input/ ha (Rs.)	Total return per ha (Rs.)	Net Return (Profit) / ha (Rs.)	CB Ratio
Application of Carbendazim 50 WP @ 250 gm/acre (Farmers Practice)	10	32	38.50	21.43	43750	96250	52500	2.20
Application of Carbendazim 50 WP @ 250 gm/acre and Propiconazole 25 EC @ 250 ml/acre		7	49.00		45500	122500	77000	2.69

(Sale Price. Rs. 2500/q)

Recommendation	The assessed technology of application of Carbendazim 50 WP @ 250 gm/acre and Propiconazole 25 EC @ 250 ml/acre. Reduced the percentage of disease infestation from 32 to 7 and yield was increased by 21.43 per cent.
Farmers reactions	Farmers appreciated the technology, application of Carbendazim 50 WP @ 250 gm/acre and Propiconazole 25 EC @ 250 ml/acre to manage the Sheath Blight in Paddy as it reduced the disease infestation effectively and significantly increased the yield of Paddy.

Value addition of Lemon (2023)

OFT-12: Problem definition: Low income of farm women due to no value addition of lemon.

Technology Assessed or Refined (as the case may be) : Value addition of lemon pickles with garlic. K.V.K. Amroha conducted on-farm trial to assess the shelf life, palatability, nutritional value of lemon pickles. The materials used were lemon, garlic, different spices distributed to the farmers during September, 2023. The problem assessed on the basis of income through product, keeping quality and B:C ratio of value added products of lemon pickles with garlic.

Table-1: To assess the income through product, keeping quality of value added products of lemon as pickles with garlic.

Crop	Treatment	Demo	Production (kg)	Cost of production	Gross return	Net Return	% increased	C. B. Ratio
Value addition of lemon pickle	T1- FP	15	25	2680	3500	820	&	1.30
	T2- (Scientific method)			3050	4750	1700	26-3	1.55
Recommendation	The data show in the table represent that the Scientific method (T2) for preparation of lemon pickle is more suitable in comparison of the Farmers practice (T1). Hence it is recommended that women should use scientific practice as it has better shelf life, palatability and also good for health with 26.3% increased income.							
Farmers reactions	Use of scientific method of preparation of lemon pickle is better.							
	15 September,2023 25 December to 31 December., 2023.							

II. RESULTS OF FRONTLINE DEMONSTRATIONS (FLDs) (2022-2023):

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

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

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1.	Mustard	ICM	To demonstrate high yielding variety DRMR 1165-40 with full package & practices	-Through Training - CFLD Gosthi - Kisan Mela	10	50	20
2.	Sesame	ICM	Replacement of local variety of sesame by Ronak-21 with use of Sulphur, IDM & IPM	-Through Training - CFLD Gosthi - Kisan Mela	08	25	10
3.	Urd Bean	ICM	To demonstrate high yielding variety Sekhar-02 with full package & practices	-Through Training - CFLD Gosthi - Kisan Mela	15	100	10
3.	Wheat	WM	To demonstrate the use of newly weedicide Carfentajone 50 W.P. 20 g/ha for weed control in Wheat (HD-3086)	-Through Training - FLD Gosthi - Kisan Mela	08	15	6.0
4.	Wheat	ICM	To demonstrate the new high yielding variety (DBW-187) of wheat under early sown conditions.	Through Training - FLD Gosthi - Kisan Mela	12	825	375
5.	Wheat	ICM	To demonstrate the wheat variety DBW-90 for late sown condition.	Through Training - FLD Gosthi - Kisan Mela	15	750	364

6.	Onion	ICM	To demonstrate the impact of improved variety of onion (Agri found light Red)	Through Training - FLD Gosthi - Kisan Mela	18	650	325
7.	Sponge Gourd	ICM	To demonstrate the impact of improved variety of Sponge guard (Alok)	-Through Training - FLD Gosthi - Kisan Mela	15	565	325.0
8.	Mustard	IPM	To management of Aphid in mustard through Imidacloprid-17.8 SL	-Through Training - FLD Gosthi - Kisan Mela	12	425	275
9.	Animal Production	Fodder Management	To demonstrate the new high yielding varieties of Berseem for Fodder production	Through Training - FLD Gosthi - Kisan Mela	12	225	125 (Animals)
10.	Animal Production	Fodder Management	To demonstrate the new high yielding varieties of Oat for Fodder production	Through Training - FLD Gosthi - Kisan Mela	08	105	108 (Animals)
11.	Kitchen Garden	Household Food Security	To demonstrate the nutritional based vegetable crops in kitchen garden	Through Training - FLD Gosthi - Kisan Mela	15	155	182 (Families)
12.	Paddy	WM	Weed control through Pyrazosulfuron 10 WP @ 375 gm/ha.	-Through Training - FLD Gosthi - Kisan Mela	18	1550	675
13.	Paddy	ICM	To demonstrate the new high yielding paddy variety (PB-1718)	-Through Training - FLD Gosthi - Kisan Mela	10	10	2.0
14.	Cauliflower	ICM	To demonstrate the effect of Micro-nutrient (Bo) in	-Through Training - FLD	08	30	2.0

			Cauliflower	Gosthi - Kisan Mela			
15.	Paddy	IPM	To management of BPH in Rice through Buprofezin 25EC	-Through Training - FLD Gosthi - Kisan Mela	07	20	8.0
16.	Kitchen Gardening (Zaid, 2023)	Household Food Security	To demonstrate the nutritional based vegetable crops in kitchen garden	Through Training - FLD Gosthi - Kisan Mela	12	10	0.1
17.	Kitchen Gardening (Kharif, 2023)	Household Food Security	To demonstrate the nutritional based vegetable crops in kitchen garden	Through Training - FLD Gosthi - Kisan Mela	14	10	0.1

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

FLDs OTHER THEN OILSEEDS & PULSES (2022-23)

FLD No. : 01

Crop production: Wheat (Rabi 2022-23):

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	Wheat	Weed management	Weed control through Carfentazone 50 WP @ 20.0 gm/ha.	Rabi 2022-23	6.0	6.0	03	12	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	No. of rainy days
				N	P	K					
Wheat	Rabi 2022-23	Irrigated	Loam	M	L	M	Paddy	15-20 Nov.,2022	12-15 April, 2023	-	-

Note -: L - Low , M - Medium

Performance of FLD:

Crop	Thematic Area	Technology Demonstrated	Variety	No. Farmers	Area (ha.)	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	C.B.RATIO	Gross Cost	Gross Return	Net return	C.B.RATIO
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Wheat	WM	Weed control through Carfentazone 50 WP @ 20.0 gm/ha.	HD3086	15	6.0	53.65	45.75	49.70	40.50	18.51	39750	126937	87188	3.19	39375	103125	63750	2.62

Sale rate – Rs. 2020 per quintal.

A .Technical Feedback:

S. No	Feed Back
1.	Use of **Carfantazone 50 WP** @ 20 gm/ha is more effective to weed control over to control plot up to **95.00%.**
2.	Due to timely management of weed, the grain yield has been increased up to **18.51%** over to control.

b. Farmers Reaction on Specific Technologies:

S. N.	Feedback

1	Farmers are convinced the grain yield has been increased due to timely weed management.
2.	Minimized the weed infestation.

C. Extension and Training Activities under FLD:

S. No.	Activity	No. of activity organized	No. of participants	Remarks
				-
1.	Farmers Training	01	20	-
2.	Field Days	01	25	-
3.	Media coverage	01	Mass	-

FLD No. : 02

Plant Breeding : Wheat (Rabi 2022-23):

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	Wheat	ICM	To demonstrate the new high yielding varieties of wheat under early sown conditions.	Rabi 2022-23	4.0	4.0	02	08	10	N.A.

Details of Farming Situation:

Crop	Season	Farming situation (RF/Irrigate	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal	No. of rainy days
				N	P	K					
Wheat	Rabi 2022-23	Irrigated	Loam	M	L	M	Paddy	20-25 Nov.,2022	12-18 April, 2023	-	-

Note -: L - Low , M - Medium

Performance of FLD:

Crop	Thematic Area	Technology Demonstrated	Variety	No. Farmers	Area (ha.)	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	C.B. RATIO	Gross Cost	Gross Return	Net return	C.B.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Wheat	CM	To demonstrate the new high yielding varieties of wheat under early sown conditions.	DBW-187	12	4.0	55.5	48.75	52.13	41.5	20.39	40125	132293	92168	3.30	40200	105375	65175	2.62

***Sale rate – Rs. 2250 per quintal.**

A Technical Feedback:

S. No	Feed Back
1.	Farmers are convinced the grain yield has been increased due to growing of early sown wheat variety DBW-187.
2.	Minimizing No. of Irrigations (Minimum 2-3 irrigations are sufficient).

b. Farmers Reaction on Specific Technologies:

S. No.	Feedback
1	The grain yield of early sown wheat variety DBW-187 has been increased 20.39 % over to check.

C. Extension and Training Activities under FLD:

S. No.	Activity	No. of activity organized	No. of participants	Remarks	-
1.	Farmers Training	**01**	**20**	**-**	**-**
2.	Field Days	01	30	-	-
3.	Media coverage	01	Mass	-	-

FLD No. : 03

Plant Breeding : Wheat (Rabi 2022-23):

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	Wheat	ICM	To demonstrate the wheat variety DBW-90 for late sown condition.	Rabi 2022-23	4.8	4.8	00	12	12	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					
Wheat	Rabi 2022-23	Irrigated	Loam	M	L	M	Paddy	15-20 December., 2022	20-25, April, 2023	-	-

Note -: L - Low , M - Medium

Performance of FLD:

Crop	Thematic Area	Technology Demonstrated	Variety	No. Farmers	Area (ha.)	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	C.B. RATIO	Gross Cost	Gross Return	Net return	C.B.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Wheat	ICM	To demonstrate the new high yielding varieties of wheat under early sown conditions.	DBW-90	12	4.8	52.65	45.5	49.08	39.5	19.52	40050	122430	82380	3.06	39750	98875	59125	2.49

***Sale rate – Rs. 2250 per quintal.**

A Technical Feedback:

S. No	Feed Back
1.	Farmers are convinced the grain yield has been increased due to growing of late sown wheat variety DBW-90.

B. Farmers Reaction on Specific Technologies:

S. N.	Feedback
1	The grain yield of late sown wheat variety DBW-90 has been increased 19.52 % over to check.
2.	This variety is resistant to against strip and leaf rust of wheat.
3.	This variety is also tolerance to against high temperature.

C. Extension and Training Activities under FLD:

S.No.	Activity	No. of activity organized	No. of participants	Remarks
1.	Farmers Training	01	20	-
2.	Field Days	01	25	-
3.	Media coverage	01	Mass	-

FLD No 04

Horticulture : Onion (Rabi 2022-23)

S.No.	Crop	Thematic area	Technology Demonstrated	Season & year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Onion	Varietal Performance	To demonstrate the impact of improved variety of onion (Agri found light Red)	Rabi 2022-23	1.0	1.0	02	7	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 days
				N	P	K					
Onion	Rabi 2022-23	Irrigated	Sandy loam and loam	M	M	M	Early Potato	07-11 Nov.,2022	**25-30 April,2023**	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. Farmers	Area (ha.)	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	C.B. RATO	Gross Cost	Gross Return	Net return	C.B. RATIO
Onion	Varietal performance	To demonstrate the impact of improved variety of onion	Agri found light Red	10	1.0	285	235	255	210	17.64	68300	280500	212200	1:4.10	65500	231000	165500	1:3.52

A. Technical Feedback

S. No.	Feed Back
1	Onion variety (Agri found Light Red) were superior other than farmers variety (FP).

B. Farmers reaction on specific Technologies

S. No.	Feedback
1.	Farmers were also convinced the variety of Agri found Light Red is more yield as compare to local Variety.

FLD No. : 05

Animal Production : Berseem (Rabi 2022-23):

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	Berseem	Fodder Management	To demonstrate the new high yielding varieties of Berseem for Fodder production	Rabi 2022-23	1.0	1.0	02	08	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	No. of rain
				N	P	K					
Berseem	Rabi 2022-23	Irrigated	Loam	M	L	M	Paddy	9-12 November, 2022	25-30 April, 2023	-	-

Note -: L - Low , M - Medium

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. Farmers	Area (ha.)	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	C.B.RATIO	Gross Cost	Gross Return	Net return	C.B.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Berseem	Fodder Management	To demonstrate the new high yielding varieties of Berseem for Fodder production	BL-42	10	1.0	675	525	600	510	15	10900	83400	72140	7.65	10200	61100	50900	5.99

Sale rate – Rs. 139 per quintal.

A Technical Feedback

S. No	Feed Back
1.	Farmers are convinced the Fodder yield has been increased due to improved variety of Berseem BL-42.

b. Farmers Reaction on Specific Technologies

S. N.	Feedback
1	The Fodder yield of improved variety of Oat Kent has been increased up to 26.98 % over to check.

C. Extension and Training Activities under FLD

S.No.	Activity	No. of activity organized	No. of participants	Remarks
1.	Farmers Training	**01**	**20**	
2.	Field Days	01	30	
3.	Media coverage	01	Mass	

FLD No. : 06

Animal Production : Oat (Rabi 2022-23):

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	Fodder Management	To demonstrate the new high yielding varieties of Oat for Fodder production	Rabi 2022-23	1.0	1.0	02	08	10	N.A.

Details of Farming Situation

Crop	Season	Farming situation (RF/Irrigate	Soiltype	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfa	No. of rainy days
				N	P	K					
Oat	Rabi 2022-23	Irrigated	Loam	M	L	M	Paddy	15-20 December, 2022	20-25 April, 2023	-	-

Note -: L - Low , M - Medium

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. Farmers	Area (ha.)	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	C.B.RATIO	Gross Cost	Gross Return	Net return	C.B.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Oat	Fodder Management	To demonstrate the new high yielding varieties of Oat for Fodder production	Kent	10	1.0	375	345	315	230	26.98	9000	47500	38500	5.20	8500	37100	28600	3.36

Sale rate – Rs. 150 per quintal.

A Technical Feedback

S. No	Feed Back
1.	Farmers are convinced the Fodder yield has been increased due to improved variety of Oat- Kent.

b. Farmers Reaction on Specific Technologies

S. N.	Feedback
1	The Fodder yield of improved variety of Oat Kent has been increased up to 26.98 % over to check.

C. Extension and Training Activities under FLD

S. No.	Activity	No. of activity organized	No. of participants	Remarks
1.	Farmers Training	**01**	**20**	
2.	Field Days	01	30	
3.	Media coverage	01	Mass	

FLD No 07

Horticulture : Sponge guard (Zaid 2023)

S.N.	Crop	Thematic area	Technology Demonstrated	Season & year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Sponge guard	Varietal Performance	To demonstrate the impact of improved variety of Sponge guard (Alok)	Zaid 2023	1.0	1.0	03	17	20	-

Details of Farming Situation:

Crop	Season	Farming situation	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Sponge guard	Zaid 2023	Irrigated	Sandy loam and loam	M	M	M	Pea	15-20 Feb., 2023	25-30 May 2023	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. Farmers	Area (ha.)	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	C.B. RATIO	Gross Cost	Gross Return	Net return	C.B. RATIO
Sponge guard	Varietal performance	To demonstrate the impact of improved variety of Sponge guard	Alok	20	1.0	295	245	270	205	24.07	69500	324000	254500	1:4.66	66300	246000	179700	1:3.71

A. Technical Feedback

S.No	Feed Back
1	Sponge guard variety-Alok were superior other than farmers use of local variety.

B. Farmers reaction on specific Technologies

S. No.	Feedback
1.	Farmers were also accepted the variety of Sponge gourd is more yield as compare to local Variety.

FLD No 08

Horticulture : Cauliflower (Kharif 2023)

S.N.	Crop	Thematic area	Technology Demonstrated	Season & year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Cauliflower	INM	To demonstrate the effect of Boron on Early Cauliflower.	Kharif 2023	2.0	2.0	25	05	30	-

Details of Farming Situation:

Crop	Season	Farming situation	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Cauliflower	Kharif 2023	Irrigated	Sandy loam and loam	M	M	M	Pea	10-15 August, 2023	10-15 October, 2023	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Micro-nutrient	No. Farmers	Area (ha.)	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	C.B. RATIO	Gross Cost	Gross Return	Net return	C.B. RATIO
Cauliflower	INM	To demonstrate the effect of Boron on Early Cauliflower.	Bo	30	2.0	255	205	230	190	21.0	67500	23000	162500	3.40	64600	19000	125400	2.94

a. Technical Feedback

S.No	Feed Back
1	21.0 % Yield was increased due to application of Boron in Cauliflower.

b. Farmers reaction on specific Technologies

S. No.	Feedback
1.	Farmers were also accepted the yield of early sown Cauliflower increases due to application of Boorn.

FLD No. : 09

Plant Protection : Mustard (Rabi 2022-23):

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	IPM in Mustard	To management of Aphid in mustard through Imidacloprid-17.8 SL	Rabi 2022-23	4.0	4.0	00	10	10	N.A.

Details of Farming Situation:

Crop	Season	Farming situation (RF/Irrigated)	Soiltype	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall	No. of rainy days
				N	P	K					
Mustard	Rabi 2022-23	Irrigated	Loam	M	L	M	Paddy	15-20 October, 2022	20-25 March, 2023	-	-

Note -: L - Low , M - Medium

Performance of FLD:

Crop	Technology Demonstrated	Variety	No.of Farmers	Area (ha.)	Demo. YieldQtl/ha			Yield of local Check Qtl./ha	% Increase inyield	Economics of demonstration (Rs./ha)				Economics of checks./ha)			
					H	L	A			Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Other Crops:																	
Mustard	Use of Imidacloprid 17.8 SL @ 100 ml/acre for control of Mustard Aphid	RH-0749	10	4.0	16.25	12.50	14.37	10.65	25.89	24600	89000	64400	1: 3.61	21300	66000	44700	1: 3.09

(Sale Price. Mustard- Rs. 6000/q)

Insect infestation percentage:

S.No.	Technology Demonstrated	Insect infestation (%)	Grain yield (%)
1.	Farmers practice	14.34 %	10-11 %
2.	Demonstrations	4.56 %	12.50 %

A Technical Feedback

S. No	Feed Back
1.	Use of Imidacloprid 17.8 SL was found very effective in managing the Aphids in Mustard Crop.
2.	Due to early and timely sowing was recommended to escape Aphid severity in Mustard crop.

B. Farmers Reaction on Specific Technologies

S. N.	Feedback
1	Farmers are convinced the grain yield has been increased due to timely insect pest management.
2.	Minimized the insect pest infestation.

FLD No. : 10

Agronomy : Rice (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	Rice	WM	To demonstrate the use of Pyrazosulfuron 20 WP for Weed Management in Paddy Crops.	Kharif-2023	6.0	6.0	03	12	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					
Rice	Kharif-2023	Irrigated	Loam	M	L	M	Mustard	15-20, June, 2023	20-25 October, 2023	-	-

Note -: L - Low , M - Medium

Performance of FLD:

Crop	Thematic Area	Technology Demonstrated	Variety	No. Farmers	Area (ha.)	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	C.B. RATIO	Gross Cost	Gross Return	et return	C.B.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Rice	WM	To demonstrate the use of Pyrazosulfuron 20 WP for Weed	PD-24	15	0.6	57.0	48.0	52.50	41.50	20.95	43500	1146.08	71108	2.63	42000	90595	48595	2.16

		Management in Paddy Crops.																

***Sale rate – Rs. 2183/- per quintal.**

A Technical Feedback:

S. No	Feed Back
1.	Yield was increased upto 20.95 % due to timely application of Pyrazosulfuron 20 WP.

b. Farmers Reaction on Specific Technologies:

S. N.	Feedback
1	Farmers are convinced to use of Pyrazosulfuron 20 WP is more effective as compare to Pretilachlor for weed control in Paddy crop.

C. Extension and Training Activities under FLD:

S.No.	Activity	No. of activity organized	No. of participants	Remarks
1.	Farmers Training	01	20	-
2.	Field Days	01	25	-
3.	Media coverage	01	Mass	-

FLD No. : 11

Plant Breeding : Basmati Rice (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	Basmati Rice	ICM	To demonstrate the Basmati Rice variety PB-1718 for irrigated condition.	Kharif-2023	2.0	2.0	00	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					
Basmati Rice	Kharif-2023	Irrigated	Loam	M	L	M	Mustard	15-20, June, 2023	20-25 October, 2023	-	-

Note -: L - Low , M - Medium

Performance of FLD:

Crop			Variety	No.		Demo. Yield q/ha					Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
	Thematicic Area	Technology Demonstrated		Farmers	Area (ha.)	H	L	A	Yield of local Check q./ha	Increase in yield (%)	Gross Cost	Gross Return	Net return	C.B. RATIO	Gross Cost	Gross Return	et return	C.B.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Basmati Rice	ICM	To demonstrate the new high yielding varieties of Basmati Rice under Irrigated condition.	PB-1718	10	2.0	44.25	37.50	40.89	37.50	18.00	42500	96598	54098	2.27	39975	81862	41887	2.04

***Sale rate – Rs. 2250 per quintal.**

A Technical Feedback:

S. No	Feed Back
1.	Farmers are convinced the grain yield has been increased due to growing of new high yielding Basmati Rice variety PB-1718.

b. Farmers Reaction on Specific Technologies:

S. N.	Feedback
1	The grain yield of Basmati Rice variety PB-1718 has been increased 18.00 % over to check.
2.	This variety has high aroma content.
3.	This variety is also tolerance to Bacterial leaf blight.

C. Extension and Training Activities under FLD:

S.No.	Activity	No. of activity organized	No. of participants	Remarks
1.	Farmers Training	01	20	-
2.	Field Days	01	25	-
3.	Media coverage	01	Mass	-

FLD No. : 12

Plant Protection : Rice (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	Rice	IPM in Rice	To management of BPH in Rice through Buprofezin 25EC	Kharif 2023	8.0	8.0	00	10	10	N.A.

Details of Farming Situation:

Crop	Season	Farming situation (RF/Irrigated)	Soiltype	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall	No. of rainy days
				N	P	K					
Rice	Kharif 2023	Irrigated	Loam	M	L	M	Wheat	20-25 June, 2023	20-25 October, 2023	-	-

Note -: L - Low , M - Medium

Performance of FLD:

Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	% Increase in yield	Economics of demonstration (Rs./ha)				Economics of checks./ha)			
					H	L	A			Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Other Crops:																	
Rice	Use of Buprofezin 25EC @ 500 ml /acre for management of BPH in Rice	-	20	8.0	56.50	49.0	52.75	41.50	21.33	43750	115153	71403	1: 2.63	42500	90595	48095	1:2.13

(Sale Price. Rice - Rs. 2200/q)

Insect infestation percentage:

S.No.	Technology Demonstrated	Insect infestation (%)	Grain yield (%)
1.	Farmers practice	14.34 %	10-11 %
2.	Demonstrations	4.56 %	12.50 %

A Technical Feedback

S. No	Feed Back
1.	Use of Buprofezin 25EC @ 500 ml /acre was found very effective in managing the BPH in Rice Crop.
2.	Due to early and timely sowing was recommended to escape BPH severity in Rice crop.

B. Farmers Reaction on Specific Technologies

S. N.	Feedback
1	Farmers are convinced the grain yield has been increased due to timely insect pest management and also minimized the insect-pest infestation.

FLD on Other crops (2022-23):

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter				% Advantage	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot			Check plot		Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
							High	Low	Average			High	Low	Average										
Cereals																								
Wheat	WM	Weed management in wheat through Carfentazone 50wp @ 20 g/ha.	HD-3086	15	6	Demo- No. of weeds = 15.5 Check- No. of weeds = 187	18.51	12.5	15.5	187	91.71	53.65	45.75	49.70	40.50	18.51	39750	126937	87188	3.19	39375	103125	63750	2.62
Wheat Timely sown	ICM	To demonstrate new high yielding variety wheat variety under early sown condition	DBW-187	10	4	Demo- No. of tillers= 325 Check- No. of tillers= 177	365	285	325	177	45.54	55.5	48.75	52.13	41.5	20.39	40125	132293	92168	3.3	40200	105375	65175	2.62
Wheat Late Sown	ICM	To demonstrate new high yielding variety wheat variety under late sown condition	DBW-90	12	4.8	Demo- No. of tillers= 285 Check- No. of tillers= 165	305	265	285	165	42.11	52.65	45.5	49.08	39.5	19.52	40050	122432	82380	3.06	39750	98775	56125	2.49

Mustard	IPM	To management of Mustard Aphid through use of Imidaclorid 17.8 SL @ 100 ml/acre	RH-0749	10	4	-	-	-	-	-	-	16.25	12.50	14.37	10.65	25.89	24600	89000	64400	3.61	21300	66000	44700	3.09
Sponge gourd	ICM	To demonstrate improved variety of sponge guard	Alok	20	1	Demo- Fruit yield=10 Check- Fruit yield= 07	12	08	10	07	30	295	245	270	205	24.07	69500	324000	254500	4.66	66300	246000	179700	3.71
Onion	ICM	To demonstrate the improved variety of onion	ALR	10	1	Demo- No. of Bulbs=85 Check- No. of Bulbs= 65	95	75	85	65	23.52	285	335	255	210	17.64	68300	280500	212200	4.1	65500	231000	165500	3.52
Berseem	ICM	To demonstrate high yielding variety of Berseem BL-42 (Fodder)	BL-42	10	1.0	Demo- Fodder Yield= 600	675	525	600	510	15	675	525	600	510	15	10900	83400	72140	7.65	10200	61100	50900	5.99
Oat (F)	ICM	To demonstrate new high yielding variety of Oat Kent (Fodder)	Kent	10	1.0	Demo- Fodder Yield= 315	375	345	315	230	26.98	375	345	315	230	26.98	9000	47500	38500	5.20	8500	37100	28600	4.30

Rice	WM	To demonstrate theuse of Pyrazos ulfuron 20 WP for Weed Management in Paddy Crops.	PD-24	15	0.6	Demo- No. of weeds = 16.20 Check- No. of weeds = 190	18.90	13.50	16.20	190		57.0	48.0	52.50	41.50	20.95	43500	1146.08	71108	2.63	42000	90595	48595	2.16
BasmatiRice	ICM	To demonstrate the new high yielding varieties of BasmatiRice under Irrigated condition.	PB-1718	10	2.0	Demo- No. of tillers=185 Check- No. of tillers= 145	210	160	185	145		44.25	37.50	40.89	37.50	18.00	42500	96598	54098	2.27	39975	81862	41887	2.04
Cauliflower	INM	To demonstrate the effect of Boron on Early Cauliflo wer.	Bo	30	2.0	-	-	-	-	-	-	255	205	230	190	21.0	67500	23000	162500	3.40	64600	19000	125400	2.94

Rice	IPM	Use of Buprofezin25EC @ 500 ml /acre for management of BPH in Rice	-	20	8.0	-	-	-	-	-	-	56.50	49.00	52.75	41.50	21.33	4375	11515	71403	1:2.63	4250	90595	48095	1:2.13

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

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

S. No	Feed Back for researchers
1	Farmers are convinced the grain yield has been increased due to timely weed management.
2	Minimized the weed infestation.
3	The grain yield of early sown wheat variety DBW-187 has been increased 20.39 % over to check.
4	The grain yield of late sown wheat variety DBW-90 has been increased 19.52 % over to check.
5	This variety is resistant to against strip and leaf rust of wheat.
6	This variety is also tolerance to against high temperature.
7	Farmers were also convinced the variety of Agri found Light Red is more yield as compare to local Variety.
8	The Fodder yield of improved variety of Oat Kent has been increased up to 26.98 % over to check.
9	The Fodder yield of improved variety of Oat Kent has been increased up to 26.98 % over to check.
10	Farmers were also accepted the variety of Sponge gourd is more yield as compare to local Variety.
11	Farmers were also accepted the yield of early sown Cauliflower increases due to application of Boorn.
12	Farmers are convinced the grain yield has been increased due to timely insect pest management.
13	Minimized the insect pest infestation.
14	Farmers are convinced the grain yield has been increased due to timely insect pest management.
15	Minimized the insect pest infestation.
16	Farmers are convinced to use of Pyrazosulfuron 20 WP is more effective as compare to Pretilachlor for weed control in Paddy crop.
17	The grain yield of Basmati Rice variety PB-1718 has been increased 18.00 % over to check.
18	This variety has high aroma content.
19	This variety is also tolerance to Bacterial leaf blight.
20	Farmers are convinced the grain yield has been increased due to timely insect pest management and also minimized the insect-pest infestation.

Technical feedback on specific technologies demonstrated in FLDs:

S. No	Feed Back
1	Use of **Carfantazone 50 WP** @ 20 gm/ha is more effective to weed control over to control plot up to **95.00%.**
2	Due to timely management of weed, the grain yield has been increased up to **18.51%** over to control.
3	Farmers are convinced the grain yield has been increased due to growing of early sown wheat variety DBW-187.
4	Minimizing No. of Irrigations (Minimum 2-3 irrigations are sufficient).
5	Farmers are convinced the grain yield has been increased due to growing of late sown wheat variety DBW-90.
6	Onion variety (Agri found Light Red) were superior other than farmers variety (FP).
7	Farmers are convinced the Fodder yield has been increased due to improved variety of Berseem BL-42.
8	Farmers are convinced the Fodder yield has been increased due to improved variety of Oat- Kent.
9	Sponge guard variety-Alok were superior other than farmers use of local variety.
10	21.0 % Yield was increased due to application of Boron in Cauliflower.
11	Use of Imidacloprid 17.8 SL was found very effective in managing the Aphids in Mustard Crop.
12	Due to early and timely sowing was recommended to escape Aphid severity in Mustard crop.
13	Use of Imidacloprid 17.8 SL was found very effective in managing the Aphids in Mustard Crop.
14	Due to early and timely sowing was recommended to escape Aphid severity in Mustard crop.
15	Yield was increased upto 20.95 % due to timely application of Pyrazosulfuron 20 WP.
16	Farmers are convinced the grain yield has been increased due to growing of new high yielding Basmati Rice variety PB-1718.
17	Use of Buprofezin 25EC @ 500 ml /acre was found very effective in managing the BPH in Rice Crop.
18	Due to early and timely sowing was recommended to escape BPH severity in Rice crop.

FLD on Other Enterprise (2022-23):

Kitchen Gardening-I:

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Yield (Kg)		% change in yield	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Kitchen Gardening-(Spinach, Radish, Vegetable pea, Carrot, Coriander, Fenugreek, Turnip)	Household Food Security	To demonstrate the nutritional based vegetable crops in Kitchen Gardening	10	10	4.91	3.75	23.63	-	-	3550	12500	8950	3.5	2850	8500	5650	2.90

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

S. No.	Feed Back for researchers	Feedback for line department
1	Farm Women accepted the variety for Kitchen Garden practices	

Technical feedback on specific technologies demonstrated in FLDs

S. No.	Feed Back
1	The variety of vegetables distributed were high yielding and had more production then old variety.

Kitchen Gardening-II (Zaid, 2023):

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Yield (Kg)		% change in yield	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Kitchen Gardening-(Bitter Gourd, Spinach, Coriander, Cucumber, Gourd, Sponge gourd, Beans, Radish, Ladies Finger & Apple Gourd)	Household Food Security	To demonstrate the nutritional based vegetable crops in Kitchen Gardening	10	10	6.72	5.36	20.19	-	-	4410	15200	10790	3.44	3680	9200	5520	2.50

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

S. No.	Feed Back for researchers	Feedback for line department
1	Farm Women accepted the variety for Kitchen Garden practices	

Technical feedback on specific technologies demonstrated in FLDs

S. No.	Feed Back
1	The variety of vegetables distributed were high yielding and had more production then old variety.

Kitchen Gardening-III (Kharif, 2023):

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Yield (Kg)		% change in yield	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Kitchen Gardening-(Spinach, radish, beetroot, cauliflower, tomato, brinjal, cabbage, Carrot, Coriander, Turnip)	Household Food Security	To demonstrate the nutritional based vegetable crops in Kitchen Gardening	10	10	396	308	22.2	-	-	3260	10200	6940	3.12	3010	7850	4840	2.60

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

S. No.	Feed Back for researchers	Feedback for line department
1	Farm Women accepted the variety as they are high yielding for Kitchen Garden practices	

Technical feedback on specific technologies demonstrated in FLDs

S. No.	Feed Back
1	The variety of vegetables distributed were high yielding and had more production then old variety.

CFLDs ON OILSEEDS (2022-23)

CFLD OILSEEDS No.: 01

Crop: Mustard (Rabi 2022-23):

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	Replacement of local variety of sesame by DRMR 1165-40 with use of Sulphur, IDM & IPM	Rabi-2022-23	20	20	05	45	50	N.A.

Details of Farming Situation:

Crop	Season	Farming situation (R	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Season	No. of rai
				N	P	K					
Mustard	Rabi	Irrigated	Loam	M	L	M	Paddy/Sugarcane Ratoon	15-25 October, 2022	20-25 March, 2023	-	-

Note -: L - Low, M - Medium

Performance of CFLD:

Crop	Thematic Area	Technology Demonstrated	Variety	No. Farmers	Area (ha.)	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 G	ross Return	Net return	C.B. RATIO	Gross Cost	Gross Return	Net return	C.B. RATIO
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Mustard	ICM	Replacement of local variety of sesame by DRMR 1165-40 with use of Sulphur, IDM & IPM	DRMR 1165-40	50	20	18	15.62	16.81	10.25	39.02	25750	92455	66705	3.59	24250	56375	32125	2.32

Sale rate – Rs. 7500 per quintal.

Farmers reactions on the demonstrated technologies (by KVKs Scientist who conducted the CFLDs):

S. No.	Feed Back for researchers	Feedback for line department
1	Farmers are convinced to good germination and resistant to powdery mildew	-
2	High oil content in variety DRMR 1165-40.	-

Technical feedback on specific technologies demonstrated in FLDs:

S. No.	Feed Back
1	Low incidence of Aphid.
2	Grain yield has been increased due to uniform maturity & bold grain size.

CFLD OILSEEDS No.: 02

Crop: Sesame (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	Sesame	ICM	Replacement of local variety of sesame by Ronak-21 with use of Sulphur, IDM & IPM	Kharif, 2023	20	20	07	35	42	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	No. of rainy days
				N	P	K					
Sesame	Kharif	Irrigated	Loam	M	L	M	Summer Bajra	25-30 July, 2023	20-25 October, 2023	-	-

Note -: L - Low, M - Medium

Performance of CFLD:

Crop	Thematic Area	Technology Demonstrated	Variety	No. Farmers	Area (ha.)	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	C.B. RATIO	Gross Cost	Gross Return	Net return	C.B. RATIO
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Sesame	ICM	Replacement of local variety of Sesame by Ronak-21 with use of Sulphur, IDM & IPM	Ronak-21	42	10	12.75	9.10	10.95	9.10	28.63	25290	79550	54260	3.15	25900	76375	50475	2.95

Sale rate – Rs. 13250 per quintal.

Farmers reactions on the demonstrated technologies (by KVKs Scientist who conducted the CFLDs):

S. No.	Feed Back for researchers	Feedback for line department
1	Farmers are convinced to good germination.	-
2	High oil content in variety Ronak-21.	-

Technical feedback on specific technologies demonstrated in FLDs:

S. No.	Feed Back
1	Low incidence of Insect & pest.
	Grain yield has been increased due to uniform maturity & bold grain size.

CFLD OILSEEDS No.: 03

Crop: Urd Bean (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	Urd Bean	ICM	Replacement of local variety of Urd Bean by Sekhar-02 with use of Sulphur, IDM & IPM	Kharif-2023	10	10	15	27	42	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	No. of rainy days
				N	P	K					
Urd Bean	Kharif	Irrigated	Loam	M	L	M	Bajra	15-25 July, 2023	25-30 October, 2023	-	-

Note -: L - Low, M - Medium

Performance of CFLD:

Crop	Thematic Area	Technology Demonstrated	Variety	No. Farmers	Area (ha.)	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	C.B. RATIO	Gross Cost	Gross Return	Net return	C.B. RATIO
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Urd Bean	ICM	Replacement of local variety of Urd Bean by Sekhar-02 with use of Sulphur, IDM & IPM	Sekhar-02	42	10	12.00	9.75	10.89	9.75	18.75	27500	78000	50500	2.84	25825	63375	37550	2.45

Sale rate – Rs.3600 per quintal.

Farmers reactions on the demonstrated technologies (by KVKs Scientist who conducted the CFLDs):

S. No.	Feed Back for researchers	Feedback for line department
1	Farmers are convinced to good germination.	-
2	High oil content in variety Sekhar-02.	-

Technical feedback on specific technologies demonstrated in FLDs:

S. No.	Feed Back
1	Low incidence of Yellow Mosaic virus.
	Grain yield has been increased due to uniform maturity & bold grain size.

Performance of Cluster Frontline demonstrations (CFLD):
Cluster Frontline demonstrations on oilseed crops (2022-23):

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter				% Advantage	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot					Demo												
							High	Low	Average	Check plot		High	Low	Average	Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Mustard	ICM	Replacement of local variety of Mustard by DRMR 1165-40 with use of Sulphur, IDM & IPM.	DRMR 1165-40	50	20	No. of Siliquae per plant Demo = 376	387	365	376	205	45.48	18.0	15.62	16.81	10.25	39.02	25750	92455	66705	3.59	24250	56375	32125	2.32
Sesame	ICM	Replacement of local variety of Sesame by Ronak-21 with use of Sulphur, IDM & IPM	Ronak-21	42	10	No. of capsules per plant Demo = 40	45	35	40	25	28.63	12.75	9.10	10.95	9.10	28.63	25290	79550	54260	3.15	25900	76375	50475	2.95

Urd Bean	ICM	Replacement of local variety of Urd Bean by Sekhar-02 with use of Sulphur, IDM & IPM	Sekhar-02	42	10	No. of pods per plant Demo = 46	56	36	46	32	18.75	12.00	9.75	10.89	9.75	18.75	27500	78000	50500	2.84	25825	63375	37550	2.45

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

**** BCR= GROSS RETURN/GROSS COST.**

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

S. No	Feed Back for researchers
1	Farmers are convinced to good germination and resistant to powdery mildew
2	High oil content in variety DRMR 1165-40.
3	Farmers are convinced to good germination.
4	High oil content in variety Ronak-21.
5	Farmers are convinced to good quality of seed.
6	Farmers are convinced high yielding variety Sekhar-02.

Technical feedback on specific technologies demonstrated in FLDs:

S. No	Feed Back
1	Low incidence of Yellow Mosaic Virus.
2	Grain yield has been increased due to uniform maturity and bold grain size.
3	Low incidence of Aphid.
4	Grain yield has been increased due to uniform maturity & bold grain size.
5	Low incidence of Insect & pest.
6	Grain yield has been increased due to uniform maturity & bold grain size.

IV. Training Programme (2023):

(i) Farmers & Farm Women (On Campus): Annexure-I

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of courses	Participants								
			Others			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production:											
Resource Conservation Technologies	Conserve and decompose the crop residual for in reaching in organic carbon in soil.	01	18	-	18	02	-	02	20	00	20
Cropping Systems	Production technique of direct seeded rice.	01	17	-	17	03	-	03	20	00	20
	Intercropping of Cucumber/ Cucurbits in spring sugarcane.	02	36	-	36	04	-	04	40	00	40
Crop Diversification	Varietal diversification & production technology of basmati rice	05	80	-	80	20	-	20	100	00	100
Integrated Crop Management	Roughing techniques in wheat crops.	01	17	-	17	03	-	03	20	00	20
	Roughing techniques in yellow sarson.	01	16	-	16	04	-	04	20	00	20
	Production technology & variety of cole & Wheat crops.	03	54	-	54	06	-	06	60	00	60
Total		**14**	**238**	**-**	**238**	**42**	**-**	**42**	**280**	**00**	**280**
II Horticulture											
a) Vegetable Crops											
	Scientific	02	36	-	36	04	-	04	40	00	40
Production of low value and high volume crops	cultivation technique of Bottle gourd & Cole crops.										
Others (pl specify)	Fertilizer management in cucurbits crop	01	17	-	17	03	-	03	20	00	20
Total (a)		**03**	**53**	**-**	**53**	**07**	**-**	**07**	**60**	**00**	**60**
b) Fruits											
Cultivation of Fruit											
Micro irrigation systems of orchards											
Others (pl specify)	Plant propagation technique of Fruit crops	01	17	-	17	03	-	03	20	00	20
Total (b)		**01**	**17**	**-**	**17**	**03**	**-**	**03**	**20**	**00**	**20**
c) Ornamental Plants											
Others (pl specify)	Scientific cultivation of marigold & Tuberose	02	36	-	36	04	-	04	40	00	40
Total (c)		**02**	**36**	**-**	**36**	**04**	**-**	**04**	**40**	**00**	**40**
d) Plantation crops											

Others (pl specify)											
Total (d)											
e) Tuber crops											
Total (e)											
f) Spices	Post-harvest management in Onion & Turmeric	02	36	-	36	04	-	04	40	00	40
Total (f)		**02**	**36**	**-**	**36**	**04**	**-**	**04**	**40**	**00**	**40**
g) Medicinal and Aromatic Plants											
Total (g)											
GT (a-g)											
III Soil Health and Fertility Management											
Soil fertility management	Use of water soluble fertilizers in wheat crops.	01	18	-	18	02	-	02	20	-	20
Total		**01**	**18**	**-**	**18**	**02**	**-**	**02**	**20**	**-**	**20**
IV Livestock Production and Management											
Disease Management											
Others (pl specify)											
Total											
V Home Science/Women empowerment											
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet	Importance of Balanced diet in our life.	01	-	16	16	-	04	04	-	20	20
Minimization of nutrient loss in processing											
	Spices preparation and preservation of fruits and vegetables from locally available ingredients.	02	-	34	34	-	06	06	-	40	40
	Preservation of fruits and	02	-	34	34	-	06	06	-	40	40
	vegetables										
Processing and cooking			-			-			-		
Storage loss minimization techniques	Safe grain storage at household level	01	-	16	16	-	04	04	-	20	20
Value addition											
Women empowerment											
	Formation and importance of Self Help Group to empower rural women.	01	-	18	18	-	02	02	-	20	20
Rural Crafts	Decoration of diyas, wall hangings and other decorative items for home	01	-	18	18	-	02	02	-	20	20
Women and child care	Causes & dietary prevention of Malnutrition among Women & Children	01	-	18	18	-	02	02	-	20	20
Others (pl specify)											

Total		**09**	**-**	**154**	**154**	**-**	**26**	**26**	**-**	**180**	**180**
VI Agril. Engineering											
Total											
VII Plant Protection											
Integrated Pest Management	Management of sucking insect-pest in lentil.	03	54	-	54	06	-	06	60	00	60
Integrated Disease Management	Integrated disease management in sugarcane	03	54	-	54	06	-	06	60	00	60
Others (pl specify)	Minimizing the infestation of stored grain insects pests.	02	32	-	32	08	-	08	40	00	40
Total		**08**	**140**	**-**	**140**	**20**	**-**	**20**	**160**	**00**	**160**
VIII Fisheries											
Total											
IX Production of Inputs at site											
Bio-fertilizer production	Use of bio fertilizers in paddy crop.	01	17	-	17	03	-	03	20	-	20
Total		**01**	**17**	**-**	**17**	**03**	**-**	**03**	**20**	**-**	**20**
X Capacity Building and Group Dynamics											
Total											
XI Agro-forestry											
Total											
GRAND TOTAL											

Farmers' Training including sponsored training programmes (off campus):

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of courses	Participants								
			Others			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production											
Weed Management	Weed management in paddy & Wheat	02	36	-	36	04	-	04	40	00	40
Resource Conservation Technologies	Fertilizer & irrigation management in late sown Wheat.	01	18	-	18	02	-	02	20	00	20
Cropping Systems	Ratoon management of sugarcane crop	01	16	-	16	04	-	04	20	00	20
	Production tech. of inter crop in spring sugar cane	01	18	-	18	02	-	02	20	00	20
	Production technology of Intercropping with Autumn sugar cane	01	18	-	18	02	-	02	20	00	20
	Production technology of late planted Sugarcane	01	18	-	18	02	-	02	20	00	20
Crop Diversification	New late sown Wheat varieties, characteristics & their seed production techniques.	01	18	-	18	02	-	02	20	00	20
	New varieties of Yellow and Black Mustard, characteristics & Seed production techniques.	02	36	-	36	04	-	04	40	00	40

	Varietal diversification & production techniques of sugarcane.	01	18	-	18	02	-	02	20	00	20
Integrated Crop Management	ICM in Canted Rice.	01	16	-	16	04	-	04	20	00	20
	New varieties of basmati rice and their production technology	02	32	-	32	08	-	08	40	00	40
	Varietal diversification & production technology of course & small millets.	01	16	-	16	04	-	04	20	00	20
	New varieties of urd and moong their production technology	01	18	-	18	02	-	02	20	-	20
	Roughing techniques in wheat crops.	01	18	-	18	02	-	02	20	-	20
	Roughing techniques in yellow sarson.	01	16	-	16	04	-	04	20	-	20
	Production technology & variety of cole crops.	01	18	-	18	02	-	02	20	-	20
Integrated nutrient management	Importance of micro-nutrients in sugar cane crop.	01	16	-	16	04	-	04	20	-	20
	Integrated nutrient management ratoon Sugarcane.	01	18	-	18	02	-	02	20	-	20
Others (pl specify)											
Total		**21**	**364**	**-**	**364**	**56**	**-**	**56**	**420**	**-**	**420**
II Horticulture											
a) Vegetable Crops											
	Cultivation technique of Sponge guard	01	17	-	17	03	-	03	20	-	20
	Scientific cultivation technique of Okra	01	18	-	18	02	-	02	20	-	20
	Scientific cultivation technique of Papaya	01	18	-	18	02	-	02	20	-	20
	Scientific cultivation technique of vegetable Pea	01	17	-	17	03	-	03	20	-	20
	Use of micro	02	32	-	32	08	-	08	40	-	40
	nutrient (Boron) in Cauliflower										
Off-season vegetables	Cultivation technique of Off-Season Vegetables	01	17	-	17	03	-	03	20	-	20
Nursery raising	Early Cauliflower Nursery Techniques.	01	17	-	17	03	-	03	20	-	20
Grading and standardization											
Others (pl specify)											
Total (a)		**08**	**136**	**-**	**136**	**24**	**-**	**24**	**160**	**-**	**160**
b) Fruits											
Layout and Management of Orchards	Layout & planting method of mango orchards	02	18	-	18	02	-	02	20	-	20
Management of young plants/orchards											
Total (b)		**02**	**18**	**-**	**18**	**02**	**-**	**02**	**20**	**-**	**20**
c) Ornamental Plants											

Others (pl specify)	Nursery raising technique of Mari gold	01	18	-	18	02	-	02	20	00	20
Total (c)		**01**	**18**	**-**	**18**	**02**	**-**	**02**	**20**	**00**	**20**
d) Plantation crops											
Total (d)											
e) Tuber crops											
Total (e)											
f) Spices											
Total (f)											
g) Medicinal and Aromatic Plants											
Others (pl specify)											
Total (g)											
GT (a-g)											
III Soil Health and Fertility Management											
Soil fertility management											
Total											
IV Livestock Production and Management											
Dairy Management											
Disease Management											
Others (pl specify)											
Total		**11**	**172**	**-**	**172**	**28**	**-**	**28**	**220**	**-**	**220**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Safe grain storage at house hold level.	01	-	18	18	-	02	02	-	20	20
	House hold food security by Nutritional Gardening.	01	-	18	18	-	02	02	-	20	20
	Food adulteration & its testing at house hold level.	01	-	18	18	-	02	02	-	20	20
Designing and development for high nutrient efficiency diet	Method of preparation of different types of low-cost nutritious diet	01	-	16	16	-	04	04	-	20	20
Processing and cooking											
	Ready to serve beverages from locally available fruits.	01	-	15	15	-	05	05	-	20	20
Gender mainstreaming through SHGs											
Value addition	Value addition of Tomato	01	-	15	15	-	05	05	-	20	20
	Value addition of Groundnut.	01	-	18	18	-	02	02	-	20	20

Location specific drudgery reduction technologies	Drudgery reduction of farm women through work simplification technique	01	-	15	15	-	05	05	-	20	20
Women and child care											
Total		**08**	**--**	**133**	**133**	**-**	**27**	**27**	**-**	**160**	**160**
VI Agril. Engineering											
Total											
VII Plant Protection											
Integrated Pest Management /	Integrated insect - pest management in paddy crop	01	17	-	17	03	-	03	20	-	20
	Importance of Bio-agent/Bio-pesticide in Vegetable	01	17	-	17	03	-	03	20	-	20
Integrated Disease Management	IPM Module for DBM in cole crops.	01	18	-	18	02	-	02	20	-	20
	Role of summer ploughing in pest management.	01	18	-	18	02	-	02	20	-	20
	IPM Module for root knot nematode in Rice.	01	18	-	18	02	-	02	20	-	20
	Integrated disease management in paddy crop.	01	17	-	17	03	-	03	20	-	20
	IPM & IDM in millets.	01	17	-	17	03	-	03	20	-	20
	Management of early & late blight disease in Potato	01	17	-	17	03	-	03	20	-	20
	IDM in Sugarcane.	01	17	-	17	03	-	03	20	-	20
Others (pl specify)	Management of store grain pests during summer.	01	17	-	17	03	-	03	20	-	20
Total		**10**	**173**	**-**	**173**	**27**	**-**	**27**	**200**	**-**	**200**
VIII Fisheries											
Total											
IX Production of Inputs at site											
Total											
X Capacity											
Building and Group Dynamics											
Total											
XI Agro-forestry											
Total											
GRAND TOTAL		**50**	**729**	**133**	**862**	**111**	**27**	**138**	**840**	**160**	**1000**

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

Thematic area (May be specific to any given KVK)	**Actual Title of training conducted**	**No. of courses**	**Participants**								
			Others			**SC/ST**			**Grand Total**		
			Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
I Crop Production:											
Weed Management	Weed management in Paddy & Wheat.	02	33	-	33	07	-	07	40	00	40

Resource Conservation Technologies	Conserve and decompose the crop residual for in reaching in organic carbon in soil.	02	36	-	36	04	-	04	40	00	40
Cropping Systems	Production technique of direct seeded rice.	01	17	-	17	03	-	03	20	00	20
	Production technology of Intercropping with Autumn sugar cane	01	18	-	18	02	-	02	20	00	20
	Ratoon management of sugarcane crop	01	16	-	16	04	-	04	20	00	20
Crop Diversification	New late sown Wheat varieties, characteristics & their seed production techniques.	01	18	-	18	02	-	02	20	00	20
	New varieties of Yellow and Black Mustard, characteristics & Seed production techniques.	01	18	-	18	02	-	02	20	00	20
	Varietal diversification & production technology of basmati rice	01	16	-	16	04	-	04	20	00	20
	Varietal diversification & production technology of sugarcane.	01	18	-	18	02	-	02	20	00	20
Integrated Crop Management											
	Roughing techniques in wheat crops.	02	32	-	32	08	-	08	40	00	40
	Roughing techniques in yellow sarson.	02	33	-	33	07	-	07	40	00	40
	Production technology & variety of cole crops.	01	18	-	18	02	-	02	20	00	20
	New varieties of basmati rice and their production technology	01	16	-	16	04	-	04	20	00	20
	Varietal diversification &	01	16	-	16	04	-	04	20	00	20
	production technology of course & small millets.										
	New varieties of urd and moong their production technique	01	18	-	18	02	-	02	20	00	20
Integrated nutrient management	Importance of micro-nutrients in sugar cane crop.	02	36	-	36	04	-	04	40	00	40
	Integrated nutrient management ratoon Sugar cane .	01	18	-	18	02	-	02	20	00	20
Total		**22**	**377**	**-**	**377**	**63**	**-**	**63**	**440**	**-**	**440**
II Horticulture											
a) Vegetable Crops											
Production of low value and high volume	Scientific cultivation technique of Bottle gourd	01	17	-	17	03	-	03	20	00	20

crops	Cultivation technique of Sponge guard	01	17	-	17	03	-	03	20	00	20
	Scientific cultivation technique of Okra	01	18	-	18	02	-	02	20	00	20
	Scientific cultivation technique of Papaya	01	18	-	18	02	-	02	20	00	20
	Scientific cultivation technique of vegetable Pea	01	17	-	17	03	-	03	20	00	20
	Use of micro nutrient (Boron) in Cauliflower	01	16	-	16	04	-	04	20	00	20
Off-season vegetables											
Nursery raising											
Grading and standardization											
Total (a)		**06**	**103**	**-**	**103**	**17**	**-**	**17**	**120**	**-**	**120**
b) Fruits											
Layout and Management of Orchards	Layout & planting method of mango orchards	01	18	-	18	02	-	02	20	00	20
Cultivation of Fruit	Plant Propagation technique of Fruit crop.	01	18	-	18	02	-	02	20	00	20
Management of young plants/orchards	Management of young orchard.	01	16	-	16	04	-	04	20	00	20
Micro irrigation systems of orchards											
Total (b)		**03**	**52**	**-**	**52**	**08**	**-**	**08**	**60**	**-**	**60**
c) Ornamental Plants	Nursery raising technique of Merigold.	01	16	-	16	04	-	04	20	00	20
Others (pl specify)	Scientific cultivation of marigold & Tuberose	02	33	-	33	07	-	07	40	00	40
	Fertilizer management in cucurbits crop	01	17	-	17	03	-	03	20	00	20
	Post-harvest management in Onion	01	16	-	16	04	-	04	20	00	20
Total (c)		**05**	**82**	**-**	**82**	**18**	**-**	**18**	**100**	**-**	**100**
d) Plantation crops											
Total (d)											
e) Tuber crops											
Total (e)											
f) Spices											
Total (f)											
g) Medicinal and Aromatic Plants											
Total (g)											
GT (a-g)		**14**	**237**	**-**	**237**	**43**	**-**	**43**	**280**	**-**	**280**
III Soil Health and Fertility Management											
Soil fertility management	Use of water soluble fertilizers in wheat crops.	01	16	-	16	04	-	04	20	00	20
Total		**01**	**16**	**-**	**16**	**04**	**-**	**04**	**20**	**00**	**20**

IV Livestock Production and Management											
Dairy Management											
Disease Management											
Others (pl specify)											
Total											
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	House hold food security by Nutritional gardening.	01	-	18	18	-	02	02	-	20	20
	Food adulteration & its testing at house hold level.	01	-	16	16	-	04	04	-	20	20
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet	Importance of Balanced diet in our life.	01	-	18	18	-	02	02	-	20	20
	Method of preparation of different types of low-cost nutritious diet	01	-	16	16	-	04	04	-	20	20
Minimization of nutrient loss in processing											
	Spices preparation and preservation of fruits and vegetables from locally available ingredients.	02	-	32	32	-	08	08	-	40	40
	Preservation of fruits and vegetables	02	-	32	32	-	08	08	-	40	40
	Ready to serve beverages from locally available fruits.	01	-	15	15	-	05	05	-	20	20
Gender mainstreaming through SHGs	Formation and importance of Self Help Group to empower rural women	01	-	18	18	-	02	02	-	20	20
Storage loss minimization techniques	Safe grain storage at household level	02	-	32	32	-	08	08	-	40	40
Value addition											
	Value addition of Tomato	01	-	15	15	-	05	05	-	20	20
	Value addition of Groundnut.	01	-	17	17	-	03	03	-	20	20
Women empowerment	Decoration of diyas, wall hangings and other decorative items for home	01	-	18	18	-	02	02	-	20	20

Location specific drudgery reduction technologies	Drudgery reduction of farm women through work simplification technique	01	-	15	15	-	05	05	-	20	20
Women and child care											
Others (pl specify)											
Total		**17**	**-**	**278**	**278**	**-**	**62**	**62**	**-**	**340**	**340**
VI Agril. Engineering											
Total											
VII Plant Protection											
Integrated Pest Management	Management of sucking insect-pest in lentil.	01	18	-	18	02	-	02	20	00	20
	IIPM in Paddy crops.	01	16	-	16	04	-	04	20	00	20
	IPM Module for DBM in cole crops.	01	16	-	16	04	-	04	20	00	20
	Role of Summer Ploughing in Pest management	01	18	-	18	02	-	02	20	00	20
	IPM Module for Root Knot Nematode in Rice.	01	18	-	18	02	-	02	20	00	20
	IPM /IDM in Millets.	01	16	-	16	04	-	04	20	00	20
Integrated Disease Management	Integrated disease management in sugarcane	01	16	-	16	04	-	04	20	00	20
	Management of early & late blight disease in Potato.	01	16	-	16	04	-	04	20	00	20
	IDM in Paddy crops.	01	18	-	18	02	-	02	20	00	20
	IDM in Sugarcane.	01	16	-	16	04	-	04	20	00	20
Others (pl specify)	Minimizing the infestation of stored grain insects pests.	01	16	-	16	04	-	04	20	00	20
	Importance of Bioagents/Bio-pesticieds in Vegetables.	01	16	-	16	04	-	04	20	00	20
	Management of store grain pest during Summer.	01	18	-	18	02	-	02	20	00	20
Total		**13**	**218**	**-**	**218**	**42**	**-**	**42**	**260**	**-**	**260**
VIII Fisheries											
Total											
IX Production of Inputs at site											
Bio-fertilizer production	Use of bio fertilizers in paddy crop.	01	17	-	17	03	-	03	20	00	20
Total		**01**	**17**	**-**	**17**	**03**	**-**	**03**	**20**	**00**	**20**
X Capacity Building and Group Dynamics											
Total											
XI Agro-forestry											
Total											
GRAND TOTAL		**1468**	**1102**	**278**	**926**	**218**	**104**	**62**	**1300**	**340**	**1640**

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

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Protected cultivation of vegetable crops	Protective cultivation technique in vegetable crops	01	06	-	06	04	-	04	10	-	10
	New high yielding varieties of Mustard & Wheat, quality seed production, marketing & entrepreneurship development	03	21	-	21	09	-	09	30	-	30
Vermi-culture											
Mushroom Production											
Bee-keeping	Technique of Bee-Keeping	02	12	-	12	08	-	08	20	-	20
Small scale processing	Making of papad and chips for income generation.	01	07	-	07	03	-	03	10	-	10
Rural Crafts	Lace making	01	-	16	16	-	06	06	-	22	22
	Soap making	01	-	12	12	-	08	08	-	20	20
TOTAL		**09**	**46**	**28**	**74**	**24**	**14**	**48**	**70**	**42**	**112**

Training for Rural Youths including sponsored training programmes – CONSOLIDATED (On + Offcampus):

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Protected cultivation of vegetable crops											
	Protective cultivation technique in vegetable crops	01	06	-	06	04	-	04	10	-	10
	New high yielding varieties of Mustard & Wheat, quality seed production, marketing & entrepreneurship development	03	21	-	21	09	-	09	30	-	30
Vermi-culture											
Mushroom Production											
Bee-keeping	Technique of Bee-Keeping	02	12	-	12	08	-	08	20	-	20
Small scale processing	Making of papad and chips for income generation.	01	07	-	07	03	-	03	10	-	10
Rural Crafts	Lace making	01	-	16	16	-	06	06	-	22	22
	Soap making	01	-	12	12	-	08	08	-	20	20
TOTAL		**09**	**46**	**28**	**74**	**24**	**14**	**48**	**70**	**42**	**112**

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

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	Production technology of intercrop Urd/Moong in spring sugarcane.	02	32	-	32	08	-	08	40	-	40
	Production technology of inter cropping with autumn sugarcane.	01	18	-	18	04	-	02	20	-	20
	Production technology of Basmati rice.	01	17	-	17	03	-	03	20	-	20
	Conserve & decompose the crop residual for in ranching in organic carbon in soil.	01	18	-	18	04	-	02	20	-	20
	Promotion of newly released Sesame varieties & their characterization and production technology.	01	18	-	18	04	-	02	20	-	20
	Importance of roughing for quality seed production in Basmati rice.	01	17	-	17	03	-	03	20	-	20
	Promotion of millets cultivation in western Uttar Pradesh.	02	32	-	32	08	-	08	40	-	40
	Quality seed production technology in paddy for entrepreneurship development.	01	18	-	18	04	-	02	20	-	20
	High oil content Yellow and Black Mustard varieties, their characterization & seed production techniques.	02	16	-	16	04	-	04	20	-	20
	Bio-fortified varieties of Wheat, their characteristics & production technology.	01	08	-	08	02	-	02	10	-	10
	Weed management in Wheat crop.	01	08	-	08	02	-	02	10	-	10
IPM/ IDM	Control of late blight in Potato	01	08	-	08	02	-	02	10	-	10
	Management of loose smut in Wheat.	01	08	-	08	02	-	02	10	-	10
	Biological control of termite.	01	08	-	08	02	-	02	10	-	10
	Storage pest management in Kharif Pulses.	01	08	-	08	02	-	02	10	-	10
	Control of Bacterial Blight & Blast in Rice.	01	08	-	08	02	-	02	10	-	10
	Identification & control of insect-pest & diseases of paddy crops.	01	18	-	18	04	-	02	20	-	20
	Insect-pest management in Potato	01	08	-	08	02	-	02	10	-	10
	Insect-pest management in Rabi Pulse crops	01	08	-	08	02	-	02	10	-	10
Integrated Nutrient management	Importance of Nadap and vermin-compost for soil health.	02	32	-	32	08	-	08	40	-	40
	Use of Sulphur in Oilseed Crops.	01	08	-	08	02	-	02	10	-	10
	Foliar spray of water soluble fertilizer in Rabi crops.	01	08	-	08	02	-	02	10	-	10
	Use of INM in cucurbits crop	01	08	-	08	02	-	02	10	-	10
	Importance of Drip irrigation in Horticultural crops.	01	08	-	08	02	-	02	10	-	10
Protected cultivation technology	Scientific Cultivation Technique of papaya Crop	01	18	-	18	04	-	02	20	-	20
	Importance of drip irrigation in horticulture crops	01	16	-	16	04	-	04	20	-	20
Women & Child Care	Protective cultivation of low tunnel/poly tunnel.	01	16	-	16	04	-	04	20	-	20
	Awareness about Immunization	01	-	08	08	-	02	02	-	10	10

	among pregnant Women.										
	Formation & importance of SHG to impower Rural Women with different enterprises development.	01	-	08	08	-	02	02	-	10	10
	Value added product of Soybean & paneer	02	-	08	08	-	02	02	-	10	10
	Prevention and management of typhoid during monsoon season.	01	-	26	26	-	04	04	-	30	30
	Awareness on Iron deficiency diseases and its prevention.	02	-	18	18	-	02	02	-	20	20
	Preparation of low cost teaching materials for anganwadis	01	-	17	17	-	03	03	-	20	20
	Preparation of highly nutritious weening food for children at home	01	-	18	18	-	02	02	-	20	20
Any other (pl. specify)	Scientific cultivation technique of papaya crop	01	07	-	07	03	-	03	10	-	10
	Cultivation Technique of Gladiolus Crop	01	17	-	17	03	-	03	20	-	20
	Ridge bed technique in tomato crop	01	07	-	07	03	-	03	10	-	10
	Scientific cultivation technique of Onion crop.	01	07	-	07	03	-	03	10	-	10
	Cultivation technique of Potato crop.	01	07	-	07	03	-	03	10	-	10
	Layout planning of kitchen garden and its importance	01	-	17	17	-	03	03	-	20	20
TOTAL		**46**	**435**	**112**	**547**	**95**	**28**	**123**	**530**	**140**	**670**

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

Thematic area (May be specific to any given KVK)	**Actual Title of training conducted**	**No. of Courses**	**No. of Participants**								
			General			**SC/ST**			**Grand Total**		
			Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
Productivity enhancement in field crops	Production technology of intercrop Urd/Moong in spring sugarcane.	02	32	-	32	08	-	08	40	-	40
	Production technology of inter cropping with autumn sugarcane.	01	18	-	18	04	-	02	20	-	20
	Production technology of Basmati rice.	01	17	-	17	03	-	03	20	-	20
	Conserve & decompose the crop residual for in ranching in organic carbon in soil.	01	18	-	18	04	-	02	20	-	20
	Promotion of newly released Sesame varieties & their characterization and production technology.	01	18	-	18	04	-	02	20	-	20
	Importance of roughing for quality seed production in Basmati rice.	01	17	-	17	03	-	03	20	-	20
	Promotion of millets cultivation in western Uttar Pradesh.	02	32	-	32	08	-	08	40	-	40
	Quality seed production technology in paddy for entrepreneurship development.	01	18	-	18	04	-	02	20	-	20
	High oil content Yellow and Black Mustard varieties, their characterization & seed production techniques.	02	16	-	16	04	-	04	20	-	20
	Bio-fortified varieties of Wheat, their characteristics & production technology.	01	08	-	08	02	-	02	10	-	10
	Weed management in Wheat crop.	01	08	-	08	02	-	02	10	-	10
IPM/ IDM	Control of late blight in Potato	01	08	-	08	02	-	02	10	-	10
	Management of loose smut in Wheat.	01	08	-	08	02	-	02	10	-	10
	Biological control of termite.	01	08	-	08	02	-	02	10	-	10
	Storage pest management in Kharif Pulses.	01	08	-	08	02	-	02	10	-	10
	Control of Bacterial Blight & Blast	01	08	-	08	02	-	02	10	-	10
	in Rice.										

	Identification & control of insect-pest & diseases of paddy crops.	01	18	-	18	04	-	02	20	-	20
	Insect-pest management in Potato	01	08	-	08	02	-	02	10	-	10
	Insect-pest management in Rabi Pulse crops	01	08	-	08	02	-	02	10	-	10
Integrated Nutrient management	Importance of Nadap and vermin-compost for soil health.	02	32	-	32	08	-	08	40	-	40
	Use of Sulphur in Oilseed Crops.	01	08	-	08	02	-	02	10	-	10
	Foliar spray of water soluble fertilizer in Rabi crops.	01	08	-	08	02	-	02	10	-	10
	Use of INM in cucurbits crop	01	08	-	08	02	-	02	10	-	10
	Importance of Drip irrigation in Horticultural crops.	01	08	-	08	02	-	02	10	-	10
Protected cultivation technology	Scientific Cultivation Technique of papaya Crop	01	18	-	18	04	-	02	20	-	20
	Importance of drip irrigation in horticulture crops	01	16	-	16	04	-	04	20	-	20
Women & Child Care	Protective cultivation of low tunnel/poly tunnel.	01	16	-	16	04	-	04	20	-	20
	Awareness about Immunization among pregnant Women.	01	-	08	08	-	02	02	-	10	10
	Formation & importance of SHG to impower Rural Women with different enterprises development.	01	-	08	08	-	02	02	-	10	10
	Value added product of Soybean & paneer	02	-	08	08	-	02	02	-	10	10
	Prevention and management of typhoid during monsoon season.	01	-	26	26	-	04	04	-	30	30
	Awareness on Iron deficiency diseases and its prevention.	02	-	18	18	-	02	02	-	20	20
	Preparation of low cost teaching materials for anganwadis	01	-	17	17	-	03	03	-	20	20
	Preparation of highly nutritious weening food for children at home	01	-	18	18	-	02	02	-	20	20
Any other (pl. specify)	Scientific cultivation technique of papaya crop	01	07	-	07	03	-	03	10	-	10
	Cultivation Technique of Gladiolus Crop	01	17	-	17	03	-	03	20	-	20
	Ridge bed technique in tomato crop	01	07	-	07	03	-	03	10	-	10
	Scientific cultivation technique of Onion crop.	01	07	-	07	03	-	03	10	-	10
	Cultivation technique of Potato crop.	01	07	-	07	03	-	03	10	-	10
	Layout planning of kitchen garden and its importance	01	-	17	17	-	03	03	-	20	20
TOTAL		**46**	**435**	**112**	**547**	**95**	**28**	**123**	**530**	**140**	**670**

Sponsored Training Programmes (FTT):

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management:											
Increasing production and productivity ofcrops	Production techniques of sugarcane with intercrop	05	170	05	175	20	05	25	190	10	200
	Production techniques of wheat	04	170	05	175	20	05	25	190	10	200
	Production techniques of Paddy	05	170	05	175	20	05	25	190	10	200
	Production techniques of Basmati Rice	05	170	05	175	20	05	25	190	10	200
	Production techniques of Mustard	04	170	05	175	20	05	25	190	10	200
	Production techniques of Millets	04	170	05	175	20	05	25	190	10	200
	Production techniques of small millets	04	170	05	175	20	05	25	190	10	200
Commercial production of vegetables	Production techniques of Cauliflower & Cabbage	04	170	05	175	20	05	25	190	10	200
	Production techniques of Tomato	04	170	05	175	20	05	25	190	10	200
	Production techniques of Brinjal	04	170	05	175	20	05	25	190	10	200
	Production techniques of Cucurbit crops	04	170	05	175	20	05	25	190	10	200
	Production techniques of Marigold & Gladiolus	04	170	05	175	20	05	25	190	10	200
Production and value addition:											
Fruit Plants	Production techniques of Mango	04	170	05	175	20	05	25	190	10	200
	Production techniques of Guava	04	170	05	175	20	05	25	190	10	200
Soil health and fertility management	Importance of soil testing& methods of soil samplecollection	04	170	05	175	20	05	25	190	10	200
	Foliar spray of water soluble fertilizers in Rabicrops	04	170	05	175	20	05	25	190	10	200
	Foliar spray of water soluble fertilizers Kharif crops	04	170	05	175	20	05	25	190	10	200
	Nutrient application on food crops	04	170	05	175	20	05	25	190	10	200
Total		**75**	**170**								
GRAND TOTAL		**75**	**170**								

Progress of Special Programmes: Programme at K.V.K

S. No.	Name of events	Date	No. of Activities	No. of Participant
1.	Plantation Programme	22.07.2023	01	55
2.	Kharif Abhiyan Awareness Programme	18.05.2023 to 25.05.2023	05	168
3.	Mission Meri-Life programme	26.05.2023 to 05.06.2023	05	271
4.	Millets Awareness Programme	10.01.2023 to 26.05.2023	08	411
5.	International Yoga Day	21.06.2023	01	50
6.	Plantation Day	22.07.2023	01	57
7.	PM Live streaming programme	22.07.2023	01	55
8.	Swachta Abhiyan Programme	30.09.2023	01	35
9.	CRM Awareness Programme	07.10.2023	01	50
10.	PM Kisan Samman Nidhi Programme (Live	15.11.2023	01	50
	streaming)			
11.	Vikshit Bharat Sankalp Yatra	30.11.2023	01	45
12.	World Soil Health Day	05.12.2023	01	55

EXTENSION PROGRAMMES:

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	105	925	63	988
Diagnostic visits	125	515	75	590
Field Day	11	275	15	290
Group discussions	05	176	5	181
Kisan Ghosthi	56	14276	375	14651
Film Show	02	255	25	280
Self -help groups	03	285	11	296
Kisan Mela	06	2150	135	2235
Exhibition	06	2150	135	2235
Scientists' visit to farmers field	275	1250	55	1305
Celebration of “Poshan Maha” Mahila gosthi	01	245	25	270
Celebration of “Mahila Kisan Diwas”	01	155	05	160
Horticulture Training at KVK	05	150	15	165
Celebration of “Sushasan Diwas”	01	125	07	132
Special day celebration (23rd Dec.)	01	225	125	350

Details of other extension programmes:

Particulars	Number
Electronic Media (CD / DVD)	0
Extension Literature	12
News paper coverage	125
Popular articles	150
Radio Talks	01
TV Talks	02
Animal health camps (Number of animals treated)	0
Others (pl. specify) Training Manual	06
Total	**296**

DETAILS OF MILLETS TRAINING PROGRAMMES ORANIZED BY KVK:

S.No.	Name of programme	Date	Place	Block	No. of Participants
MILLETS TRAINING PROGRAMME:					
1.	Importance & production technology of Millets.	10.01.2023	KVK, Gajraula	Gajraula	50
2.	Importance of small millets in nutritional security.	01.03.2023	Salimpur Gonsai	Gajraula	112
3.	Quality production technology of Jowar and Bajra in Western Uttar Pradesh.	02.03.2023	Kumrala	Gajraula	50
4.	International Shree Ann (Millets) Sammelan.	18.03.2023	KVK, Gajraula	Gajraula	69
5.	Production technology of Jowar and Bajra.	12.05.2023	Fatehpur Shumali	Dhanuara	25
6.	Production technology of Bajra.	15.05.2023	Semla	Hasanpur	45
7.	Importance of Millets in Nutritional security.	17.05.2023	Galib Bada	Joya	25
8.	Production technology of small and coarse Millets.	20.05.2023	KVK, Gajraula	Gajraula	35

DETAILS OF KHARIF ABHIYAN PROGRAMMES ORANIZED BY KVK:

S.No.	Name of programme	Date	Place	Block	No. of Participants
KHARIF ABHIYAN TRAINING PROGRAMME:					
1.	Kharif Abhiyan	18.05.2023	Khaiyalipur	Gajraula	29
2.	Kharif Abhiyan	19.05.2023	Neelee Kheri	Gajraula	45
3.	Kharif Abhiyan	23.05.2023	Fatehpur Shumali	Gajraula	25
4.	Kharif Abhiyan	24.05.2023	Semla	Gajraula	40
5.	Kharif Abhiyan	25.05.2023	Galib Bada	Gajraula	25

DETAILS OF MISSION MERI-LIFE PROGRAMMES ORANIZED BY KVK:

S.No.	Name of programme	Date	Place	Block	No. of Participants
MISSION MERI-LIFE PROGRAMME:					
1.	Mission Meri-Life	26.05.2023	Semla	Gajraula	40
2.	Mission Meri-Life	27.05.2023	Galib Bada	Gajraula	35
3.	Mission Meri-Life	29.05.2023	KVK Gajraula	Gajraula	70
4.	Mission Meri-Life	03.06.2023	KVK Gajraula	Gajraula	25
5.	Mission Meri-Life	05.06.2023	KVK Gajraula	Gajraula	102

Production of seeds by the KVK, AMROHA:

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Oil Seed	Mustard Rabi 2022-23	RH-0749 (Certified Seed Production)	-	49.13	221040	At KVK Farm Intake in NSC, Meerut
Cereals	Wheat Rabi 2022-23	HD-3226 (F_1 Seed Production)	-	128.23	302524	At KVK Farm Intake in KRIBHCO, Gajraula
Cereals	Paddy Kharif, 2023	NDR-359 (Commercial Production)	-	125.20	273311	Government
Millets	Hybrid Pearl millet	86M94- Pioneer (Commercial)	-	65-70 % Germinated crops was damaged due to continues heavy rainfall during 08, 11 & 12.08.2023 and 21-26/08/2023 and rest crop was grazed by wild animals.		
Total				**302.66**	**796875**	

Production of planting materials by the KVK, Amroha

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial	-	-	-	-	-	-
Vegetable seedlings						
Cauliflower	Cauliflower	Pusa Deepali	-	3200	800.00	25
Cabbage	Cabbage	Golden Aker	-	3000	750.00	32
Onion	Tomato	Pusa Hybrid -2	-	10000	1950.00	45
Tomato	Onion	Agri Found light red	-	45000	4500.00	27
Total	-	-	-	**61200**	**8500**	**129**

Status of revolving fund:

Year	Opening balance as on 1st April 2022	Income during the year	Expenditure during the year 01.04.2022 to 31.03.2023	Net balance in hand as on 31st December, 2023 of each year
2022-23	376587.00	643656.00	2297036.00 *	56,44,990.00

* Rs. 13,95000.00 Expenditure for establishment for Solar energy plant at KVKGajraula, Amroha

SCIENTIFIC ADVISORY COMMITTEE:

Name of KVK	Number of SACs conducted	Date of SAC
Amroha	01	16/11/2022

XI. PUBLICATIONS:

Category	Number
Books	**05**
Technical bulletins	**-**
Research Paper	04
Lead Papers	05
Book Chapters	20
Popular Articles	105
Newsletters	-
Technical reports	05
Others (pl. specify)	-

DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATIONSYSTEM:

Activities conducted				
No. of Training programmes	**No. of Demonstrations**	**No. of plant materials produced**	**Visit by farmers (No.)**	**Visit by officials (No.)**
01	-	-	70	06

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

Introduction of alternate crops/varieties:

Crops/cultivars	**Area (ha)**	**Extent of damage**	**Recovery of damage through KVK initiatives if any**
Black Gram	125	Crop was water logged	Draining of excess water, crop was shown uplands & maintain proper drainage systems.
Potato (Kufri Bahar)	2500	Foliage / check the tuber growth	Irrigation, Smoke the around the field, 1.5-2% Foliar spray of wettable Sulphur. Use K. Garima & K. Chipsona
Wheat	750	Lodge of crop, & damage of Ears.	Timely & Line Sowing
Total	**3375**		

Major area coverage under alternate crops/varieties:

Crops	**Area (ha)**	**Number of beneficiaries**
Oilseeds- Mustard	20	50
Pulses		
Cereals- Wheat (DBW-187 & DBW-173)	12	20
Vegetable crops- Late Cabbage & Cauliflower	25	76
Tuber crops		
Total	**57**	**146**

Large scale adoption of resource conservation technologies:

Crops/cultivars and gist of resource conservation technologies introduced	**Area (ha)**	**Number of farmers**
Resource conservation technology in leaf trace management in Sugarcane	500	1200
Crop residual management in Paddy	450	615
Crop residue management in Wheat	375	535
Total	**1325**	**2350**

Awareness campaign:

S. No.	**Meetings**		**Gosthies**		**Field days**		**Farmers fair**		**Exhibition**		**Film show**	
	No.	**No. of farmers**	**No.**	**N. of farmers**	**No.**	**No. of farmers**	**No.**	**No. of farmers**	**No.**	**No. of farmers**	**No.**	**No. of farmers**
1.	05	77	15	655	03	76	03	150	03	150	-	-
Total	**05**	**77**	**15**	**655**	**03**	**76**	**03**	**150**	**03**	**150**	**-**	**-**

Natural Farming Project Details (2022-23):

Crop & season	No. of Demo	Area (Ha)	Production (Q/ha.)			Cost of cultivation (Rs./ha.)			Total income (Rs./ha.)			Net income (Rs./ha.)			C: B Ratio		
			Chemical	Organic	Natural	Chemical	Organic	Natural	Chemical	Organic	Natural	Chemical	Organic	Natural	Chemical	Organic	Natural
Wheat (DBW-173), Rabi-2022-23	01	0.4	38.65	31.50	26.50	33500	30500	28000	91165	76150	65650	57665	45650	37650	2.72	2.50	2.34
Paddy (NDR-359), Kharif, 2023	01	0.4	26.5	27.25	31.50	38500	27600	25650	55200	56762	65615	16700	29162	39965	1.44	2.06	2.56

Crop & season	Availability of organic carbon before crop sowing			Availability of organic carbon after crop harvest			Use of Natural Products
	Chemical	Organic	Natural	Chemical	Organic	Natural	
Wheat (DBW-173), Rabi-2022-23	0.32	0.36	0.36	0.32	0.38	0.40	• Increase soil fertility- Ghanjeevamrit, • Seed treatment- Beejamrit, • Crop growth- Jeevamrit, • Management of insect- Neemasrtak, Dasparni Ark. • For disease management- Fermented curd with copper.
Paddy (NDR-359), Kharif, 2023	0-.2	0.38	0.40	0.30	0.39	0.43	• Increase soil fertility- Ghanjeevamrit, • Seed treatment- Beejamrit, • Crop growth- Jeevamrit, • Management of insect- Neemasrtak, Dasparni Ark. • For disease management- Fermented curd with copper.

fodz; nj & xsgwW @ 2100.00 , /kku @ 20830.00

DETAILS OF ORGANIZED TRAINING & AWARENESS PROGRAMME UNDER NATURAL FARMING PROJECT

A. Village level awareness programme:-

S.No.	Date	Place	Block	No. of Participants
1	24.12.2023	Ahraula Tejwan	Gajraula	50
2	27.12.2023	Aterna	Amroha	50
3	05.01.2023	Dom Khera	Gajraula	50
4	10.01.2023	Dhawdi	Amroha	50
5	18.01.2023	Khayalipur	Gajraula	50
6	27.01.2023	Raipur Shumali	Gajraula	50

B. Block level awareness programme:-

S.No.	Date	Place	Block	No. of Participants
1.	22.12.2023	KVK	Gajrauala	102

C. Two days training programme:-

S.No.	Date	Place	Block	No. of Participants
1.	12-13.01.2023	KVK	Gajraula	40
2.	16-17.01.2023	KVK	Gajraula	40

1) Crop Harvesting Details:

Name of KVK	Crop Details Under Demonstration										Date of Sowing	Date of Harvesting
	Natural farming					Farmer's Practice						
	Name of Crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)	Name of crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)		
Amroha	Wheat	DBW-173	5.6	33.66	35500	Wheat	DBW-173	5.6	41.65	45500	10-12/12/2022	20-25/04/2023

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)	Iron (Kg/ha)	Mg (Kg/ha)	Zn (Kg/ha)	Others-Bo (Kg/ha)	Bacterial count (Nos.)	Fungi (Nos.)	Actinomycetes (Nos.)	Phosphorus Solubilizer (Nos.)	N Fixers (Nos.)
Amroha	KVK plot	310.2	36.3	215.6	0.77	3.14	0.01	0.6	2.01	78×10^3	13×10^3	Nill	-	-

3) Details of Demonstrations Conducted under Natural Farming Project:

S. No.	Name of KVK	Name of village	Name of farmer	Mobile no. of farmer	Area under demonstration on Natural Farming (ha)
1	KVK Gajraula, Amroha	Sariak pur	Sheesh Pal Singh	9759345304	0.4
2	KVK Gajraula, Amroha	Khayalipur	Chandra Bhan	9639157218	0.4
3	KVK Gajraula, Amroha	Zeerkhi	Pramesh Chand	9368436646	0.4
4	KVK Gajraula, Amroha	Tigri	Abhishek Yadav	7819065108	0.4
5	KVK Gajraula, Amroha	Khayalipur	Brijendra	9927794435	0.4
6	KVK Gajraula, Amroha	Khayalipur	Jitendra Singh	8279926241	0.4

7	KVK Gajraula, Amroha	Jagua Khurd	Tarun Kumar	7088001006	0.4
8	KVK Gajraula, Amroha	Jagua Khurd	Amit Kumar	9927944909	0.4
9	KVK Gajraula, Amroha	Jagua Khurd	Amit Kumar	8449692599	0.4
10	KVK Gajraula, Amroha	Gulriya	Guruvachan Singh	9837220606	0.4
11	KVK Gajraula, Amroha	Aterana	Surendra Singh	9410460907	0.4
12	KVK Gajraula, Amroha	Chuchela khurd	Aashish Sharma	7011471343	0.4
13	KVK Gajraula, Amroha	Rashul Pur	Sher Singh	9718047785	0.4

4) Information of Farmers already Practicing Natural Farming:

S. 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	Amroha	Sh. Virendra Singh	2	2	Sugarcane, wheat, urd	2	0.8	Sugarcane, Wheat	Natural Jaggery
2	Amroha	Sh. Upendra Chahal	3	3	Sugarcane, wheat, urd, Turmeric, Mango	3	0.4	Sugarcane, Turmeric, Mango	Natural Jaggery
3	Amroha	Sh. Gurubachan	4	4	Sugarcane, wheat, urd, Turmeric,	5	0.2	Sugarcane, Turmeric	Natural Jaggery
4	Amroha	Sh. Virendra	2	3	Sugarcane, wheat, urd	2	0.4	Sugarcane, wheat	-
5	Amroha	Sh. Amar Singh	2	2.5	Sugarcane, wheat, urd, paddy	2	0.8	Sugarcane, wheat	-
6	Amroha	Sh. Surendra Singh	12	4	Sugarcane, wheat, urd, paddy, potato	6	0.6	Sugarcane, wheat, Potato	-

7	Amroha	Sh. Kanchan Singh	3	8	Sugarcane, wheat, urd	10	0.4	Sugarcane, wheat, urd	Dairy (Gir Cow & Natural Jaggery)
8	Amroha	Sh. Brajveer Singh	2	3	Sugarcane, wheat, urd, paddy, potato	3	0.8	Sugarcane, wheat, urd, potato	-
9	Amroha	Sh. Arun Kumar	3	2	Sugarcane, wheat, urd	2	0.4	Sugarcane, wheat, urd	-
10	Amroha	Sh. Ram pal singh	2	3	Sugarcane, wheat, urd, Turmeric	3	0.6	Sugarcane, wheat, urd, Turmeric	-
11	Amroha	Sh. Sheesh Pal Singh	3	2	Sugarcane, wheat, urd	3	0.4	Sugarcane, Wheat	-
12	Amroha	Sh. Chandra Bhan	2	3	Sugarcane, wheat, urd, Turmeric, Mango	2	0.4	Sugarcane, Turmeric, Mango	-
13	Amroha	Sh. Pramesh Chand	3	4	Sugarcane, wheat, urd, Turmeric,	2	0.8	Sugarcane, Turmeric	-
14	Amroha	Sh. Abishek Yadav	2	3	Sugarcane, wheat, urd	3	0.4	Sugarcane, wheat	-
15	Amroha	Sh. Brijendra Singh	3	2	Sugarcane, wheat, urd, paddy	3	0.4	Sugarcane, wheat	-
16	Amroha	Sh. Jitendra Singh	3	4	Sugarcane, wheat, urd, paddy, potato	2	0.8	Sugarcane, wheat, Potato	-
17	Amroha	Sh. Tarun Kumar	2	3	Sugarcane, wheat, urd	3	0.8	Sugarcane, wheat, urd	-
18	Amroha	Sh. Ankit Kumar	3	2	Sugarcane, wheat, urd, paddy, potato	2	0.4	Sugarcane, wheat, urd, potato	-
19	Amroha	Sh. Amit Kumar	2	1	Sugarcane, wheat, urd	2	0.4	Sugarcane, wheat, urd	-
20	Amroha	Sh. Aasish Shamra	3	4	Sugarcane, wheat, urd, Turmeric	3	0.4	Sugarcane, wheat, urd, Turmeric	-
21	Amroha	Sh. Sher Singh	2	4	Sugarcane, wheat, urd, paddy, potato	3	0.4	Sugarcane, wheat, Potato	-
22	Amroha	Sh. Kamendra Singh	1	2	Sugarcane, potato, wheat	2	0.4	Sugarcane, potato, wheat	-
23	Amroha	Sh. Mahaveer Singh	2	1.5	Sugarcane, turmeric	3	1	Sugarcane, turmeric	-

24	Amroha	Sh. Devendra Singh	1	1.5	Sugarcane, turmeric	3	1	Sugarcane, turmeric	-

5) Natural Farming Nodal officer & Associate Name:

S.No.	Name of KVK	Name of Head/SMS	Discipline/Subject	Mobile No.
1.	**KVK, Gajraula, Amroha**	**Dr. A.K. Mishra, Officer Incharge**	**Agronomy**	**9719353536**
2.	**KVK, Gajraula, Amroha**	**Dr. S.P. Singh**	**Horticulture**	**9410849455**

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.)
Amroha	KVK plot	310.2	36.3	215.6	0.77	3.14	0.01	0.6	2.01	78×10^3	13×10^3	Nill	-	-

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	89	89	15	14850 (Rs. Realized to KVK, Ghaziabad for soil testing)	
Water					
Plant					
Manure					89
Total					

12) Achievements under Swachhata Abhiyan Mission:

S. No.	Items	No. of Programmes	No. of persons participated
1	Toilet maintenance	05	125
2	Road, drain cleaning	03	155

3	Garbage disposal	-	-
4	Door to door awareness	02	55
5	Awareness campaign	05	176
6	Nookkad Drama	-	-
7	School Drama	-	-
8	School rally	-	-
9	Writing paining slogans	-	-
10	Composting	-	-
11	Other	-	-

14) Awards

S. No.	Name of Award received	Name of KVK/farmer	Year of Award	Date on which award received
1.	**Third prize –** Display of technology in All India farmers Fare & exhibition at SVPUA&T, Meerut.	Krishi Vigyan Kendra, Amroha	2022	20th October, 2022
2.	**Second prize –** Display of technology on Millets under International Year of Millets in All India farmers Fare & exhibition at SVPUA&T, Meerut.	Krishi Vigyan Kendra, Amroha	2023	19th October, 2023

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

PRODUCTION/DEMONSTRATION UNITS AT KVK:

- Vermi-Compost Production Unit,
- Azolla Production Unit,
- NADEF Production Unit,
- Natural Farming/Natural Farming Products production Unit,
- Technology Park/Crop Cafeteria Unit,
- Horticultural Nursery Production Unit,
- Seed Production Unit,
- Fruits Production Unit (Mango & Guava).

DETAILS OF FRUIT PRODUCTION UNIT AT KVK:

S.No.	Name of Fruit plant	Name of varieties
1.	Mango	Ambika, Arunika, Mallika, Aamrpali, Langra, Dasheri and Chausa.
2.	Guava	Dhaval, Sweta, Lalit, Lalima, Pink Taiwan, Allahabad Safeda and Luchnow-49.
3.	Pomegranate	Bhagwa
4.	Citrus	NRC-07 and Kagji Kala
5.	Aonla	Narendra Aonla-7 and Narendra Aonla-10
6.	Bael	Narendra Bael-2, Narendra Bael-5, Narendra Bael-9 and Narendra Bael-17
7.	Jamun	J-37 and J-42

DETAILS OF TECHNOLOGY PARK/CROP CAFETERIA & NUTRITIONAL GARDEN AT KVK:

S.No.	Name of Crop	Name of varieties
(A) Nutritional Garden Demonstration Unit:		
1.	Spinach	All Green
2.	Saag	Pusa Saag-1
3.	Green Pea	Arkil
4.	Saljam	P.T.W.G.
5.	Carrot	P.R.
6.	Chilli	Pusa Jwala
7.	Raddish	K.L.
8.	Cabbage	P.S.B.K-1
9.	Brinjal	P.S.
10.	Dhaniya	J.D.L.C.

11.	Onion	Agrifound Light Red
12.	Fenugreek	Hisar Sonali
(B) Cereals, Pulses, Oilseeds and Forage crops Demonstration Unit:		
1.	Wheat	WB-02, DBW-226, HPBW-01, DBW-303, DBW-187, K-1317, HD-3226, DBW-71, DBW-173 and HD-2967
2.	Barley	DWRB-137
3.	Oat	JHO-2010-1, OS-377
4.	Mustard (Black)	64M74, Black Diamond, RH-0725, 45S46, RH-0749, Giriraj, DRMR 1165-40.
5.	Sarson (Yellow)	NRCYS-05-02, Pant Sweta, Unnati Gold, Pitambari
6.	Linseed	JLS-95
7.	Lentil	Sekhar-04
8.	Chickpea	BJM-10216
9.	Pea	Arkil, General-10
10.	Barseem	BL-42, Barseem Multicut-01
11.	Makhan Ghaas	Hybrid-10

LINKAGES WITH LINE DEPARTMENTS, INSTITUTES AND ORGANIZATIONS:

S.No.	Institute/Organization	Type of Linkages
1.	Agriculture Department, Amroha	Training, Gosthies, Field day and Meeting
2.	Horticulture Department, Amroha	Training, Gosthies, Field day and Meeting
3.	IFFCO/KRIBHCO, Amroha	Training, Gosthies and Seminars
4.	Sugarcane Training Institute, Moradabad	Training and Gosthies
5.	Sugar Mill, Amroha	Training and Gosthies
6.	N.G.O.	Technical help and training
7.	F.P.O.	Technical help and training
8.	Jubilent Bhartiya Foundation	Technical help and training
9.	Umang Dairy J.K. Group	Technical help and training

Case study-01 (CFLD on Sesame)

GJT-05 becoming popular in farmers' for their yielding trait: Amroha

Situation analysis/ Problem statements:- Mr. Brijpal Singh, Village: Khajoori, Post: Gajraula, Block: Gajraula, District: Amroha, a farmer who was selected for this demonstration. He was earlier involved with local variety of Sesame T-78. These varieties were low in yield.

Plan, Implement and Support:- KVK Amroha tries to make them aware regarding scientific cultivation of Sesame. That starts from land preparation to harvesting. This KVK has encouraged the farmer for soil testing and on the basis of that farmer was advised for balanced dose of chemical fertilizer with high yielding varieties GJT-05. That was sown on 20/07/2022 with line sowing and fertilizer application was done with basal application in which half dose of nitrogen full dose of SSP and full dose of MOP as recommended. Rest nitrogen used at the time of irrigation/rainfall.

Output:- Mr. Brijpal Singh adopted the balanced dose of chemical, fertilizer (N:P:K:S::20:10:00:30) kg/ha in sesame crop as per suggestion of KVK's scientist for his 0.25 ha land. His local yield was 5.60 qt with recommended technology. His yield increased by 25.33% with yield 7.50 qt. The economical gain in terms of per unit expenditure gross income, net return and BCR are recorded. Rs.24375, Rs 56250, Rs.31875 and 2.31 correspondingly.

Outcome:- Sesame crop is grown as a rainfed crop of the district. KVK Amroha conducted 25 demonstrations in 03 villages during 2022-23 in an area of 10 ha at farmers' field with using HYV GJT-05 and balanced dose of chemical fertilizer (N:P:K:S::20:10:00:30) kg/ha. This variety has been disseminated in 10 villages of the district in area of approximately 50 ha. The outcome of this demonstration motivated the farming communities to replace their old varieties, non-descriptive varieties. Mr. Brijpal Singh is very happy on improvement in their income, livelihood and set forth example for others.

Impact:- Mr. Brijpal Singh is becoming one of the progressive and learned farmers for others with regards to popularization of GJT-05. This technology helps him for livelihood, empowerment and make him enthusiastic regards oilseed production. He is one of the progressive farmer after a becoming a part of KVK activities and get their effectiveness for his own development. Mr. Brijpal Singh is very happy with this improved production and management technology and set forth example for other farmers of the district.

Table-01: Background information of Demonstrations.

Name of KVK	KVK, Amroha
Crop and variety name	Sesame variety GJT-5
Name of farmer & Address	Brijpal Singh, Village- Khajoori, Amroha
Background information about farmer field	Using old variety
Details of technology demonstrated	Replacement of Local variety of Sesame by GJT-5 with use of IDM & IPM.
Institutional involvement	Technical guidance & Monitoring
Success point	Use of Sulphur, timely sowing, timely practices & low incidence of Insect-pests & diseases.
Farmer feedback	(i) Grain yield has been increased due to selection of high yielding variety GJT-5. (ii) Uniform maturity and bold grain. Farmer are convinced to grow quality of seed & low incidence of Insect-pest & diseases.
Yield (q/ha)	
- Demonstration	7.5
- Potential yield of variety/technology	12.41
- District average (Previous year)	6.5
- State average (Previous year)	6.15

Performance of technology vis-a-vis Local check (Increase in productivity and returns):

Specific Technology	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	5.6	21375	42000	20625	1.96
Demonstration	7.5	24375	56250	31875	2.31
% Increase	25.33				

Case study-02 (CFLDs on Mustard)

DRMR 1165-40 becoming popular in farmers' for their yielding trait: Amroha

Situation analysis/ Problem statements:- Mr. Laxmi Narayan Gupta, Village: Salempur Gonsai, Post: Gajraula, Block: Gajraula, District: Amroha, a farmer who was selected for this demonstration. He was earlier involved with local variety of mustard Pusa Bold or Varuna. These varieties were low in yield.

Plan, Implement and Support:- KVK Amroha tries to make them aware regarding scientific cultivation of mustard. That starts from land preparation to harvesting. This KVK has encouraged the farmer for soil testing and on the basis of that farmer was advised for balanced dose of chemical fertilizer with high yielding varieties DRMR 1165-40. That was sown on 01-11-2022-23 with line sowing and fertilizer application was done with basal application in which half dose of nitrogen full dose of SSP and full dose of MOP as recommended. Rest nitrogen used after first irrigation.

Output:- Mr. Laxmi Narayan Gupta adopted the balanced dose of chemical, fertilizer (N:P:K:S::150:40:40:30) kg/ha in mustard crop as per suggestion of KVK's scientist for his 0.25 ha land. His local yield was 9.75 qt with recommended technology. His yield increased by 39.02% with yield 10.25 qt. The economical gain in terms of per unit expenditure gross income, net return and BCR are recorded. Rs. 25750, Rs 92455, Rs. 66750 and 3.59 correspondingly.

Outcome:- Mustard crop is the major oilseed crop of the district. KVK Amroha conducted 50 demonstrations in 05 villages during 2022-23 in an area of 20 ha at farmers' field with using HYV DRMR 1165-40 and balanced dose of chemical fertilizer (N:P:K:S::150:40:40:30) kg/ha. This variety has been disseminated in 50 villages of the district in area of approximately 250 ha. The outcome of this demonstration motivated the farming communities to replace their old varieties, non-descriptive varieties. Mr. Laxmi Narayan Gupta is very happy on improvement in their income, livelihood and set forth example for others.

Impact:- Mr. Laxmi Narayan Gupta is becoming one of the progressive and learned farmers for others with regards to popularization of DRMR 1165-40. This technology helps him for livelihood, empowerment and make him enthusiastic regards oilseed production. He is one of the progressive farmer after a becoming a part of KVK activities and get their effectiveness for his own development. Mr. Laxmi Narayan Gupta is very happy with this

improved production and management technology and set forth example for other farmers of the district.

Table-01: Background information of Demonstrations.

Name of KVK	KVK, Amroha
Crop and variety name	Mustard Variety- DRMR 1165-40
Name of farmer & Address	Laxmi Narayan Gupta, Village- Salempur Gonsai
Season	2022-23
Background information about farmer field	Using old variety
Details of technology demonstrated	Replacement of Local variety of Mustard by DRMR 1165-40 with use of IDM & IPM.
Institutional involvement	Technical guidance & Monitoring
Success point	Use of Sulphur, timely sowing, timely practices & low incidence of Aphid
Farmer feedback	Grain yield has been increased due to selection of high yielding variety DRMR 1165-40. Uniform maturity and bold grain. Farmer are convinced to grow quality of seed & low incidence of Insect-pest & diseases.
Yield (q/ha)	
Demonstration	16.81
Potential yield of variety/ technology	24.0
District average (Previous year)	11.75
State average (Previous year)	10.25

Table-02: Performance of technology vis-a-vis Local check (Increase in productivity and returns):

Specific Technology	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	10.25	24250	56375	32125	2.32
Demonstration	16.81	25750	92455	66705	3.59
% Increase	39.02				

Good quality action photographs with caption:

SUCCESS STORY-01

Establishment of FPO for Lemongrass (Krishna Variety) oil production: Amroha District.

Situation Analysis/ Prpblem statement: Mrs. Hitesh, village Chakchhavi, Post:Kothi Khidmatpur, Block: Amroha, District: Amroha, a farm women was selected for the spread of technology to double farmers income with high yielding variety of Lemongrass.

Plant, Implement and Support: KVK, Amroha tries to make them aware regarding scientific cultivation of lemongrass that starts from land preparation to harvesting. This KVK has encouraged the farm women for soil testing and on the basis of that farm women was advised for balanced dose of vermicompost with high yielding variety Krishna Lemongrass through scientific methods that was sown on 01-09-2021 with line sowing and vermicompost application as per scientists recommendation in organic condition.

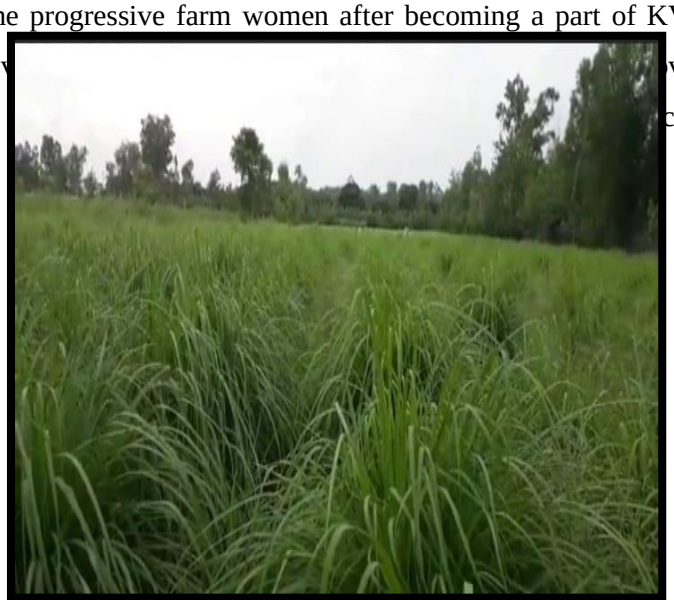
Output: Mrs. Hitesh adopted the balanced dose of vermicompost in lemongrass as per suggestion of KVK's scientist for 9 hectares. The data for traditional and high yield variety is given below:

Table-1: Details of annual income and increment through traditional & scientific methods.

Detail	Traditional method	Scientific method
1st Cutting Quantity	12 litre	20 litre
5th Cutting Quantity	60-70 litre	100-105 litre
Annual income	90,000-1,05,000	1,00,000-1,60,000
Increment	40%	

Outcome: New high yielding variety of Lemongrass (Krishna) introduced for empowerment and doubling their income. Farm women and farmers have widely adopted the crop cultivation. Initially started in village Nazirpur, Block: Amroha and District: Amroha with other 8 village in total of 9 hectare of land in year 2019-20. Currently total 19 villages have adopted the crop cultivation in total 175 hectares of land and 300 farmers field planted with scientific method using high yielding variety Krishna of lemongrass. The outcome of this technology dissemination motivated the farming communities to replace their traditional cultivation method with scientific method and high yielding variety. Mrs. Hitesh is very happy on improvement in their income, livelihood, and set forth example for others.

Impact: Mrs. Hitesh is becoming one of the progressive and learned farm women for others with regards of popularization of Krishna lemongrass. This technology helps her livelihood, empowerment, and make her enthusiastic regards oil production. She is one of the progressive farm women after becoming a part of KVK dev oved orth ct.



Year	Production (qtl/ha)	roduction of oil (ltr./ha.)	Cost of cultivation (qtl./ha.)	Gross income (Rs./ha.)	Net income (Rs.)	.B Ratio
Ist	60.5	120.00	75500.00	174000.00	98500.00	1:2.30
IInd	75.0	125.00	63500.00	187500.00	124000.00	1:2.95
IIIrd	86.50	129.50	65500.00	194250.00	128750.00	1:3.06
VIth	85.00	128.00	63500.00	192750.00	129250.00	1:3.04
Total	307.00	502.50	268000.00	748500.00	48050000	1:2.79

Sowing of lemongrass

Standing crop of Lemongrass (Variety- Krishna)

SUCCESS STORY-02

Establishment of FPO for "Inter-cropping : good farming business for increasing farmers income" in Amroha District.

Situation Analysis/ Prpblem statement: Mr. Guruvachan S/O Shri Khemchand Singh, Village- Gularia, Block-Joya, District-Amroha, a farmer who was selected for this demonstrations. He was earlier involved with sole cropping of paddy, wheat & sugarcane. He was get less profit from these sole cropping systems.

Plant, Implement and Support: Krishi Vigyan Kendra (KVK), Amroha Tries to make them aware regarding scientific cultivation of sugarcane, mustard & cauliflower in intercropping systems. That start from land preparation to harvesting. The KVK has encopuraged the farmers for soil testing and on the basis of that farmer was advised for inter cropping systems (Sugarcane + Mustard, sugarcane + potato & sugarcane + cauliflower) with high yielding varieties. That was sowing of Autumn sugarcane as a major crop using Trench method (1-1.5 m row to row distanced) with mustard inter cropping in 01 acre area and sowing of sugarcane with potato inter cropping in 1 acre area and sowing of sugarcane with cauliflower between two rows of sugarcane in 01 acre area. All recommended agronomic practices were adopted for maintenance of proper crop density.

Output: Mr. Guruvachan adopted the balanced dose of chemical fertilizers in sugarcane (N: P: K: S:: 150:75:40:30) kg/ha with additional dose of NPK as per recommendation of inter crop.and also using organic fertilizers such as vermi-compost, etc. in inter cropping model as per scientific recommendation/suggestions by KVK scientist's for his 04 acre land. His sugarcane sole crop yield was 860 q/ha and net benefit is 202500.00 with recommended technology. Sugarcane + patato get first rank followed by sugaracne + cauliflower and sugarcane + mustard from inter cropping systems.The economical gain in terms of net returns and C : B ratio are recorded Rs.3,61750.00 and 1 : 3.22 (Sugarcane + Patoto).

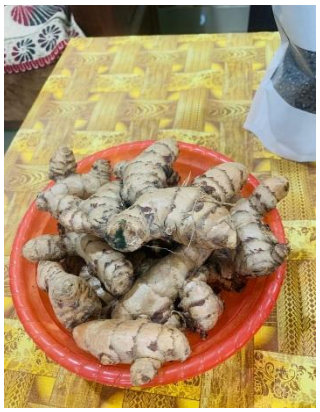
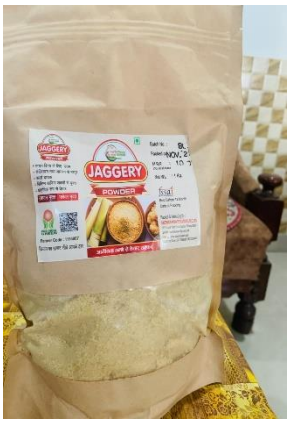
Table-01: Detail of input and output in sugarcane intercropping system.

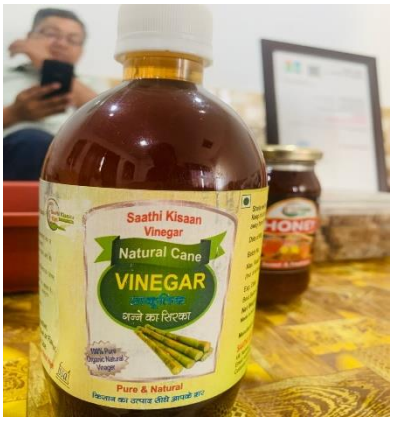
S.No.	Crop	oduction (qtl/ha)	Total expenditure (Rs.)	Gross income (Rs.)	et income (Rs.)	C.B Ratio
1	ugarcane (Sole)	860.00	98500.00	301000.00	202500.00	1:3.05
	Sugarcane + Mustard	855.00 125.00	97500.00 45000.00	299250.00 125000.00	281750.00	1:2.97
2	ugarcane (Sole)	860.00	98500.00	301000.00	202500.00	1:3.05
	Sugarcane +Potato	855.00 225.00	97500.00 65000.00	299250.00 225000.00	361750.00	1:3.22
3	ugarcane (Sole)	875.00	98500.00	301000.00	202500.00	1:3.05
	Sugarcane + Cauliflower	865.00 15.50	96500.00 32000.00	302750.00 100750.00	275000.00	1:3.14

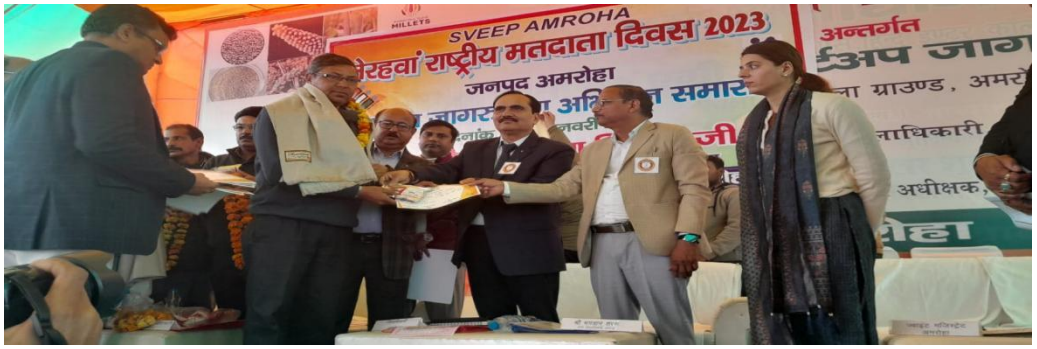
Outcome: Mustard crop is the major oilseed crop of the district. KVK, Amroha provide the knowledge about sowing of different crops in inter cropping patterns during 2021-22. KVK, Amroha also creat the awareness for adopted new high yielding varieties of mustard, sugarcane, poptato and cauliflower for conducted demonstrations. The outcome of this demnonstrations to replace their old varieties, non-descriptive varieties.

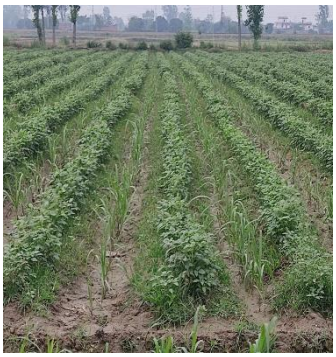
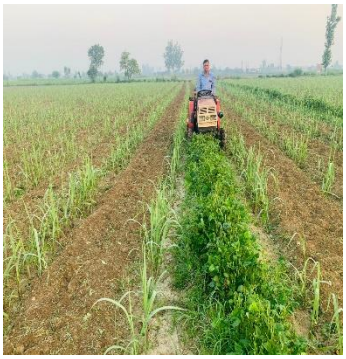
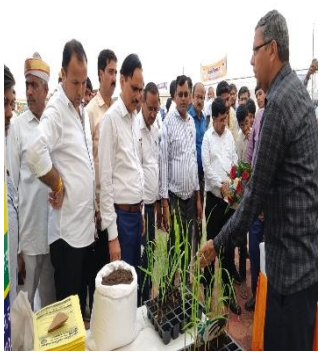
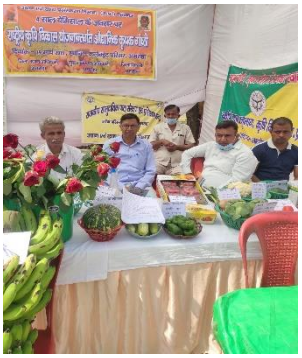
Mr. Guruvachan is very happy on improvement in their income, livelihood and set example for other farmers of District Amroha.

Impact: Mr. Guruvachan is becoming one of the progressive farmer for others with regards to popularization of inter cropping systems, organic farming systems, natural farming systems. This technology helps him for livelihood, empowerment and make him enthusiastic regards oilseed production in inter cropping systems. He is one of the progressive farmer after a becoming a part of KVK activities and get their effectiveness for his own development. Mr. Guruvachan is very happy with his improved production and crop management technology and set example for other farmers of the district.





Different Products & Activities of FPOs