C O N T E N T S

PROFORMA FOR PREPARATION OF ANNUAL REPORT (January-2021-December-2021)

APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	75	1173	317	1500
Rural youths	09	79	41	120
Extension functionaries	18	201	69	270
Sponsored	04	168	32	200
Total	**106**	**1621**	**459**	**2090**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	120	48.0	02 Buffaloes
Pulses	100	40.0	Mushroom Unit
Cereals	23	8.12	01 NADEP
Vegetables	15	5.0	01 Vermi Compost
Commercial Crops	37	13.20	01 Honey bee (10 boxes)
Hybrid crops	0	0	
Resource Conservation	137	140	
Total	**432**	**251.32**	
Livestock & Fisheries		-	
Other enterprises	15	0.10	
Total	15	0.10	
Grand Total	**447**	**251.42**	

3. Technology Assessment

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Crops	07	39	24
Orchards	01	09	03
Resource Conservation	02	08	08
House hold food security	02	12	10
Total	**12**	**68**	**45**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	889	10821
Other extension activities	180	Mass
Total	**1069**	**10821**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
Meerut	Text only	315	11	08	17	56	37	444
	Voice only	1680	24	36	19	543	192	2494
	Voice & Text both							
	Total Messages							
Total farmers Benefitted		**1995**	**35**	**44**	**36**	**599**	**229**	**2938**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.	Distributed to No. of farmers
Seed (q) (Wheat)	200.00	427890	NSC
Livestock Production Fodder	-	117500.00	
Milk Production	1004.30 lit	45193.50	
Mushroom production (No.)	20 Kg	2000.00	--
Vermi Compost	800 Kg.	4000.00	

7. Soil, water & plant Analysis

Type of Samples	No. of samples analysis	No. of Beneficiaries	Value Rs.
Soil	446		47850
Water	-		-
Plant	-		-
Total	**446**		**47850**

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	02
2	Conferences	01
3	Meetings	12
4	Trainings for KVK officials	18

5	Visits of KVK officials	10
6	Book published	-
7	Training Manual	04
8	Book chapters	03
9	Research papers	04
10	Lead papers	01
11	Seminar papers	05
12	Extension folder	02
13	Proceedings	01
14	Award & recognition	02
15	On going research projects	0
16	Technical Bulletin	04
17	Technical Report	10

Advisory activities during COVID -19

Name of Discipline	You-Tube		Whatsapp messages sent		Short messages (SMSs) sent		Total	
	No. of vedios	No. of Subscribers	Name of activities	No. of participants	Name of activities	No. of participants	Name of activities	No. of participants
	66	**1716217**						
PP			84	118	40	102	124	220
Agro.			08	120	09	110	17	230
H.Sc			04	167	07	170	11	337
Hort.			40	190	43	260	83	415
Ag. Engg.			10	380	08	115	18	495
SS			12	240	12	155	24	395
Total	**66**	**1716217**	**158**	**1215**	**119**	**912**	**277**	**2092**

DETAIL REPORT OF APR (Jan. 2021 to Dec. 2021)

GENERAL INFORMATION ABOUT THE KVK

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

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

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

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

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

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

1.4. Year of sanction: 1992

1.5 Staff Position (as on 31 December, 2021)

SN	Sanctioned post	Name of the incumbent	Design-ation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)	Mobile no.	Email id
1	Professor and Head	Dr. Omvir Singh	Professor and Head	Horticulture	37400-67000	205600	07.01.2004	Permanent	OBC	9412109215	omvirsvp@gmail.com
2	Subject Matter Specialist	Dr. P.S. Tiwari	Professor	Agri. Engg.	37400-67000	172200	01.07.1998	Permanent	Gen	9412311560	drpsteng@gmail.com
3	Subject Matter Specialist	Dr.Rakesh Tiwari	S.M.S/ Asstt. Professor	Soil Science	15600-39000	98200	21.06.2008	Permanent	Gen	9411820189	191rakeshtiwari@gmail.com
4	Subject Matter Specialist	Smt. VeenaYadav	S.M.S/ Asstt. Professor	Home Science	15600-39000	87300	23.06.2008	Permanent	OBC	9457263482	veenayadav1020@gmail.com
5	Subject Matter Specialist	Dr. Naveen Chandra	S.M.S/ Asstt. Professor	Entomology	15600-39000	101100	23.06.2008	Permanent	OBC	9450803857	nchandra120@gmail.com
6	Programme Assistant	Smt. Vibha Sahu	Prog. Assistant	Computer	9300-34800	76500	21.10.1999	Permanent	OBC	9410456174	vibha.sahu1@gmail.com
7	Programme Assistant	Dr. Ashish Tyagi	Prog. Assistant/ Farm Manager	Plant Protection	9300-34800	52000	22.07.2008	Permanent	Gen	9837474493	green.ashishtyagi@gmail.com
8	Accountant / Superintendent	Sh Amit Chaudhary	O.S. Cum Accountant	-	9300-34800	68000	10.12.2003	Permanent	OBC	9761444004	amitsvpuat@gmail.com
9	Stenographer	Sh. Sudesh Kumar	Stenographer	-	5200-20200	45400	15.12.2003	Permanent	SC	9457273887	

10	Driver	Sh. Upendra Kumar	Jeep Driver	-	5200-20200	32300	02.08.2007	Permanent	OBC	9837194455	-
11	Supporting staff	Sh. Hari Das	Sweeper	-	5200-20200	37500	01.07.1998	Permanent	SC	9760855760	-
12	Supporting staff	Sh. T B Ale	Cook	-	5200-20200	36400	01.07.1998	Permanent	Gen	9997611921	-
13	Other (if any)	Sh. Amar Singh	Field Attended	-	5200-20200	31400	13.12.1999	Permanent	OBC	9690532453	-

1.6. Total land with KVK (in ha) :

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

1.7. Infrastructural Development:

Buildings

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

B) Vehicles

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

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Cultivator	2017	-	working
Disk Harrow	2017	-	working
Rotavator	2017	-	working
Ridge Maker disc type	2017	-	working
Seed dril	1993	-	Non-working
Seed cum fertilizer drill 11 tiyen	1993	-	Non-working

Trolly (Tractor)	1994	-	Working
Paddy Puddler (Cage Wheel)	1994	-	Working
Potato Planter	1998	-	Working
ThresserSonalika	1998	-	Working
Oven	1993	-	Working
LCD Projector	2007	125000	Working
Over Head Projector	1995	12000	Working
TV	1995	18000	Working
Disc Harrow (14 Wheel)	2006	27000	Working
DVD/CD Player	2007	2500	Working
Taka Machine (Chef Cutter)	2008	8700	Working
Computer	2011	20000	Working
Camera Sony	2011	11428	Working
Happy Seeder	2018	129950	Transfer to KVK Shahjahanpur
Chopper/Shredder/Mulcher	2018	147888	
Zero Till Drill	2018	53500	
Reversible M B Plough	2018	104950	
Cutter cum spreader	2018	51520	

1.8. A). **Details of SAC first meeting conducted on 27.12.2021**

A. Details of Participants: **Total No. of Participants: 31**

S. No.	Name of Participants	Designation	Department
1	Dr. R.K. Mittal	Vice Chancellor	SVP Univ. of Agric. & Tech. Meerut
2	Sri Manohar Singh	Member of Board	SVP Univ. of Agric. & Tech. Meerut
3	Dr Gopal Singh	Joint Director	SVP Univ. of Agric. & Tech. Meerut
4	Sri Pramod Sirohi	DAO	Agriculture Department
5	Dr Hariom Katiyar	Assistant Professor	SVP Univ. of Agric. & Tech. Meerut
6	Dr. S.P.Yadav	Prof (Animal Husbandry)	SVPU.A.&T., Meerut
7	Dr Ajaiveer Sirohi	P.S.	ICAR-CIRC , Meerut
8	Dr. S.K. Loothra	Principal Scientist	CPRS, Modipuram, Meerut
9	Sh Kartar Singh	Farmer	Village – Pali
10	Sh Jai Kumar	Farmer	Village – Pali
11	Dr Rakesh Kumar	Veterinary Officer	Deptt. Of Animal Husbanry
12	Sh mahendra	Farmer	Village – Hastinapur
13	Sh. Shodan Singh	Farmer	Village – Amhera
14	Sh Kamal Singh Tomar	Farmer	Village- Chhilora
15	Smt Meera	Farm Women	Village- Hastinapur
16	Smt Santosh	Farm Women	Village- Hastinapur
17	Sh Mohna Devi	Aaganbadi	ICDS
18	Sh Anuradha Sharma	Aaganbadi	ICDS
19	Sh Sanjai Singh	SMS (Horticulture)	Department of DHO Office
20	Sh Kalash Chand	Farmer	Village- Ekwara
21	Dr. Gam Pal Singh	DHO	Department of DHO Office
22	Sh Nimesh Tomar	Farmer	Village- Jitauli
23	Sh Jeet Singh	Farmer	Village- Latifpur
24	Dr. Omvir Singh	Professor and Head	Krishi Vigyan Kendra, Meerut
25	Dr. P.S. Tiwari	Professor (Agric. Engg.)	KVK, Hastinapur, Meerut
26	Dr. Rakesh Tiwari	SMS/Asstt. Professor (Soil Sc.)	KVK, Hastinapur, Meerut

27	Smt. Veena Yadav	SMS/Asstt. Professor (Home Sci.)	KVK, Hastinapur
28	Dr. Ashish Tyagi	Prog. Asstt./Farm Manager	KVK, Hastinapur
29	Sh. Amit Chaudhary	Accountant	KVK, Hastinapur
30	Sh. Sudesh Kumar	Steno Cum/ Comp Operator	KVK, Hastinapur

(b) Recommendations of SAC held on December 27, 2021

S.N.	Recommendations
1	Rural youth should be recognized/awarded on special occasions for out standing work in agriculture to motivate them.
2	Post harvest processing of agriculture produce should be promoted for value addition.
3	Slides of major problems of district must be presented in SAC presentation.
4	Promotion of Drip irrigation may be done through KVK programme.
5	Collaborative offers of KVK on Horticulture Deptt. may be done to promote protective cultivation in the district. Technical guidance should be proved by KVK.
6	Involvement of Distt Officials should be done in having programme.
7	Quality seed should be provided to the farmer.
8	CRM on previous years OFT may be replaced by testing of new technologies.
9	Impact analysis of KVK ache ties should be observed.
10	Feedback of Demonstrations must be taken to calculate horizontal spread of area.
11	Kufri Neelkanth may be promoted among famous through KVK programme.
12	Different blocks of the district should be selected to conduct KVK programmes on alternate basis.
13	Coloria, turmeric or ginger may be listed in mango orchids to explore new alternates.
14	KVK staff may act as facilitator for availability of seeds to farmers.

2. DETAILS OF DISTRICT (31st December, 2021)

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

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

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

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

Situation	Soil Type	P^H	Farming system	Major crops	Live stock	Block
AES I	Loam	7.5-8.5	Sugarcane-Ratoon-Wheat, Agro forestry and/or Jower-wheat (2-3 Graded buffalo/1 Cross bread cow)	Sugarcane, wheat, Paddy, potato, vegetable, Jower	Buffalo, cow, Poultry, Sheep & Goat	Mawana, JaniPariksheetgarh, Machhra, Kharkoda, Rajpura, Meerut, Duaralla, Sardhana, Saroorpur, Rohta,
AES II	Loam Sand	7.0-8.0	Sorghum-Potato-Cucurbits and/or Sugarcane-Ratoon-Wheat (2-3 Graded buffalo/ 1 Cross bred cow)	Sugarcane, Potato, Wheat, Mango, Bajra, Jower	Buffalo, cow, Poultry, Sheep & Goat	Hastinapur, Pariksheetgarh, Machhra, Kharkhoda, Jani, Rohta, Saroorpur, Sardhana
AES II	Sandy loam, Silty loam, Clay laom	7.5-7.9	Paddy-wheat and/or Jower-Wheat-Sugarcane –Ratoon-Wheat (2-3 Graded buffalo/ 1 Cross bred cow)	Sugarcane, Paddy, Wheat, Jower, Vegetable	Buffalo, cow, Poultry, Sheep & Goat	Hastinapur, Pariksheetgarh

2.3 Soil type/s

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

2.4. Area, Production and Productivity of major crops cultivated in the district (31st December, 2021)

SN	Crop	Area (ha)	Production (M.Ton)/ha	Productivity (Qtl /ha)
1	Sugarcane	132624	122958363	927.12
2	Wheat	80507	384278	47.73
3	Rice	14.556	43.507	29.57
4	Maize	0.214	0.542	25.33
5	**Barely**	145	628	43.31
4	**Oil seed:** Mustard	6006	8403.00	13.99
6	**Pulses**			
7	Urd	1.315	1.227	9.33
8	Masoor	462	542	11.73
9	Gram	12.0	16.0	13.33
10	Moong	0.072	0.032	4.44
11	Pea	751	1216	16.19
12	Arhar	1.172		
13	Millet			
14	Potato			
15	Others (Bajra)	0.018	0.038	21.10

2.5. Weather data (31st December, 2021)-

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)	
		Maximum	Minimum	Rh1	Rh2
Jan-21	0.77				
Feb-21	0.25	18.71	6.38	92.42	61.84
Mar-21	0	26.75	10.06	84.00	47.21
Apr-21	0.12	32	242	1136	557
May-21	3.69	36.95	19.78	42.63	24.77
Jun-21	29.8	35.93	22.87	58.19	37.58
Jul-21	494.5	35.7	24.0	84.40	74.53
Aug-21	207.1	33.0	25.4	80.40	73.94
Sep-21	160.3	41.7	25.6	94.32	72.45
Oct-21	4.0	31.5	23.2	95.89	46.89
Nov-21	4.3	26.9	17.4	90.52	45.29
Dec-21	1.8	20.8	3.2	93.51	40.81

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

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

2.7 Details of Operational area villages 31st December, 2021

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

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

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

2.8 **Priority Thrust Areas**

S N	Crop/Enterprise	Thrust area
1	Doubling farmers income	Intercropping with winter planting sugarcane.
2	Mango orchards	Pruning, Training and rejuvenation of orchards.
3	Pulses	Promotions of pulses as intercrop with sugarcane and integrated diseases management.
4	Wheat, Paddy, Sugarcane	Improving soil health through balance fertilization and green manuring.
5	Vegetable Crop	Enhancement of production potential in vegetable and IPM in vegetable.
6	Nutritional security	Malnutrition among rural masses specially belonging to lower strata of the society.
7	Soil Health Management	Soil testing based fertilizer application and crop residue management
8	Resource Conservation	Judicious use and saving of water in agriculture

2.9 Intervention/ Programmes for the doubling the farmers income – during –(Jan to Dec. 2021)

Before Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent Yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio
Sugarcane (Co-238) as Sole crop	850.0	-	-	85400.00	182350.00	3.135

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) * Sale price Rs.315/-

After Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio
Intercropping (Lady finger+ Potato) Intercropping with Sugarcane and Mushroom	975.0	145.15	1120.15	122325.0	230522.25	2.88

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) * Sale price Rs. 2000/-

Before Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio
Sugarcane(Co-238) as Sole crop	923.0	-	-	88200.00	202545.00	3.29

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) * Sale price Rs. 315/-

After Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio
Intercropping (Beetroot – in October sown sugarcane)	983.0	123.0	1106.0	112600.00	235790.0	3.09

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) * Sale price Rs. 315/-

Before Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio
Sugarcane (Co-238) as Sole crop	870.0	-	-	94000.00	180050.0	2.91

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) * Sale price Rs. 315/-

After Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio
Flower Guladaudi, Gladiolus, Marigold	-	-	1670.0	246000.00	280050	2.13

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) * Sale price Rs 315/-







TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2021

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
12	12	68	68	200	251.42	200	447

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	75	2000	1500	500	1069	5000	10821
Rural youth		09		120				
Extn. Functionaries		18		270				
Sponsored		04		200				
		106		**2090**				

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	219.55	NSC	200	200	200

Soil/plant/water Analysis		
5		
Target	Achievement	No. of farmers covered
1200	446	446

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
Integrated Crop Management	Mustard	Assessment of intercropping of Mustard in Sugarcane.	06	03
Integrated Nutrient Management	Wheat	Assessment of fertilizer dose in Wheat.	06	03
Integrated Crop Management	Mango	Assessment of Canopy Management in Mango orchard.	09	03
Resource Conservation Technology	Sugarcane	Assessment of Trench Planting techniques of Sugarcane	04	04
	Wheat	Assessment of effect of wheat sowing after in Situ crop residue management.	04	04
Nutrition security	Pulse	Assessment of SOY n PRO mixture on the nutritional health of children suffering from malnutrition.	02	05
Small Scale Income Generation Enterprises & Nutritional Management	Pulses	Value addition of pulse and vegetables – Preparation of badi	10	05
Integrated Pest Management	Sugarcane	Assessment of insecticides to control early shoot borer in Sugarcane	03	06
	Paddy	Assessment of fungicides to control sheath blight.	06	03
Nutritional Management	Wheat	Evaluation of bio fortified variety(WB-02) of wheat	06	03
Integrated Nutrient Management	Wheat (Rabi 21-22)	Assessment of fertilizer dose in Wheat. (DBW-71).	06	03
	Paddy	Assessment of fertilizer dose in Paddy. (Pusa 1121)	06	03
			68	**45**

I.C. TECHNOLOGY ASSESSMENT & Refinement IN DETAIL

INTEGRATED CROP MANAGEMENT

On Farm Trial –1

THEMATIC AREA: ICM

Problem definition: Low income
Technology Assessed: Assessment of profitability under intercropping of mustard in Sugarcane.

To assess the performance of intercropping of Mustard in Sugarcane. An On Farm Trial was conducted with two treatment as sugarcane as a sole crop and mustard as intercrop with sugarcane. By this time both crop have been harvested sole crop of Sugarcane gave Rs. 199645 net profit and 3.04 B.C. Ratio while total system of intercropping gave Rs. 262335 net profit with 3.21 B.C ratio. Overall observation system is more profitable.

Table: Performance of **Intercropping Sugarcane in Mustard**

Technology Option	No. of trials	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross income (Rs)	Net returns (Rs)	BC ratio (Rs)
T_1: Farmer Practice (Single crop, Co-238)	06	943.0		97400.00	297045.00	199645.0	1:3.04
$T_{2:}$ Sugarcane(Autumn) + Mustard (RH-749)		1209.0	28.20	118500.00	380835.0	262335.00	1:3.21

Sale rate of mustard : Rs. 5000/Qt.

Feed Back: It is expected that the production of mustard will be the extra without any adverse effect on productivity of sugarcane.

Intercropping of Mustard in Sugarcane

Intercropping of Mustard in Sugarcane

On Farm Trial –2

THEMATIC AREA: INTEGRATED NUTRIENT MANAGEMENT

Problem definition: Imbalanced use of Fertilizer in late sown wheat.

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

Technology Option	No. of trials	Yield q./ha	% age increased	Cost of Cultivation (Rs./ha)	Gross Return (Rs)	Net Return (Rs)	B:C Ratio
T_1- Farmer practices (Imbalance use of fertilizers N:P:K 150:60:0:40)	06	42.58	-	48271	81966	33695	1:1.70
T_2-N:P:K:Zn:S:Fe@ N,P,K, Zn & S- 120:60:40:30 & 25 kg/ha.)		46.80	11.03	49507	90090	40583	1:1.82

Variety DBW-173 Sale price Wheat @ Rs. 1925 /qt

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

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

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


Before fertilizer dose in Wheat


After fertilizer dose in Wheat

On Farm Trial –3

THEMATIC AREA: Farm Management

Problem definition: Canopy Management in of Mango.

Technology Assessed: Assessment of pruning techniques in old orchard of Mango.

KVK hastinapur has conducted On Farm Trial to assess the pruning tec hnology in Mangos , 10 trees were taken in each treatment, center opening sustem in 40 year old orchard was found better with Rs. 143300 net profit and 4.10 B.C Ratio in comparison to zero pruing system. In which farmer brought Rs only 121000 net profit and 3.91 B.C. ratio.

Table: Canopy Management in of Mango

Technology Option	No. of trials	Yield Eqi. (q./ha)	Cost of Cultivation	Gross Return (Rs)	Net Returns (Rs./ha)	B:C Ratio
T_1- Zero pruning (Farmer Practice)	09	65.0	41500.00	162500.00	121000.00	1:3.91
T_2- Centre pruning management		75.8	46200.00	189500.00	143300.00	1:4.10
T_3- Light or Sight pruning management		69.2	43250.00	173000.00	129750.00	1:4.0

Sale price of mango: Rs. 2500/-

Feed Back In Mango orchard they are more suitable at centre pruning because the canopy rise above the sun and the wind blow the top is that more yield and better quality of fruit.

Pruning techniques in old orchard of Mango.

Pruning techniques in old orchard of

On Farm Trial –4

Resource Conservation THEMATIC AREA: Planting of Sugarcane by Trench method

Problem diagnosed : Low yield of Sugarcane

Technology Assessed: Assessment of performance of Trench planting techniques of Sugarcane.

Sugarcane planted by Trench planter gave 976 Q/ha. Whear as the tradistional method of planting techniques, yield was recorded as 825 Q/ha. The net return was enhanced from Rs. 163825 to Rs. 205440. And B:C ratio was also recorded which was increased 1:2.7 to 1:3.01.

Table: Performance of different method of planting of Sugarcane.

Technology Option	No. of trials	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross income (Rs)	Net returns (Rs)	BC ratio (Rs)
T_1: Farmer practice – Planting of Sugarcane by raiser	06	894	-	98200	281610	183410	2.27
T_2: Trench method		1121	25.39	108000	353115	245115	3.27

Sale price of Sugarcane: Rs 315/qt.

Feed Back: *The method of Trench* planting was found better and gave Rs. 71505.00 additional income/ ha

Planting of Sugarcane in trench

Sugarcane crop by trench method

On Farm Trial –5

THEMATIC AREA: Sowing of wheat after incorporation of crop residue

Problem diagnosed **:** Burning of crop residues (Paddy Straw)

Technology Assessed: Assessment of effect of **c**rop residue of paddy incorporated in the field of wheat.

To assess the performance of sowing of wheat after incorporation of crop residue by mulcher. On Farm Trial was conducted with 06 treatments under field condition. Data was collected 9.6 % more yields was obtained in corporation of paddy straw in the field as compare to burning of paddy straw .

Table: Sowing of wheat after incorporation of crop residue

Technology Option	No. of trials	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross income (Rs)	Net returns (Rs)	BC ratio (Rs)
T_1: Farmer practice – Sowing of without incorporation of crop residue	06	47.8	-	24900	92015	67115	1:3.70
T_2: Sowing of wheat after incorporation of crop residue by mulcher		52.4	9.6	26400	100870	74470	1:3.82

Sale price of Wheat: Rs 1925/qt.

Feed Back: In treatment no, T2 recorded maximum yield as 52.4 q/ha which is 9.6 % more than non adoption of the practices. Resulting the techniques obtained net profit of Rs. 74470 as compared to Rs. 67115 in farmers practice, B.C ration is also more as 3.82 as compared to 3.70.

Wheat crop after crop residue

In-citu management of Paddy

On Farm Trial –6

THEMATIC AREA: Design and development of low cost and high nutrient efficiency diet

Problem definition: Protein energy malnutrition due to unscientifically prepared supplementary foods for children
Technology Assessed: Assessment of SOY n PRO mixture on the nutritional health of children suffering from malnutrition.

Technology Option	No. of trials	Performance indicators	
		Indicator	**Performance**
T_1- Farmer practice (Milk, ghee, cereals)	05	Technical observations	Result awaited
		% Nutritional occupancy in diet	
T_2- Preparation of SOY n PRO mixture (25-30gm/twice a day (in children soyabean 1/2kg,chana1kg,peanut1kg		Estimation of nutritional value	

On Farm Trial –7

THEMATIC AREA: HOUSE HOLD FOOD SECURITY

Problem definition: Nutrient inadequacy

Technology Assessed: Assessment of role of SHG for income generation through preparation from different pulses and vegetable Badi.

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

Table: Performance

Technology Option	No. of trials	Yield (kg)	Increase in yield (%)	Performance indicators		Cost of cultivation (Rs)	Gross return (Rs)	Net Profit (Rs)	B:C Ratio
				Indicator	Performance				
T_1- Farmer practice – Preparation of Badi from few pulses	10	1.5	--	Nutritive value Self life Sale opportunity	Rich in protein & minerals Better keeping quality Income Generating	110	225.0	115.0	1:2.0
T_2- Preparation of Badi from different type of pulses and vegetables.		1.5	-			135.0	375.0	240.0	1:2.7

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


Preparation of Badi from pulse-

Preparation of Badi from Moong + Urd+ Chna Moong

On Farm Trial –8

THEMATIC AREA: Integrated Pest Management

Problem diagnosed **:** Heavy incidence of early shoot borer
Technology Assessed: Assessment of insecticide to control early shoot borer in Sugarcane

KVK Hastinapur (Meerut) has conducted "On Farm Trial" entitled Assessment of insecticide Thiomethoxam 1 % + Chlorantraniliprole 0.5 % @ 12 Kg/ha to control early shoot borer in Sugarcane by comparing with Carbofuron as farmer practice, two application at 15 days interval. An appraisal of data collected, Thiomethoxam 1 % + Chlorantraniliprole 0.5 % @ 12 Kg/ha.at 15 days interval 2 application found effective to control the early shoot borer.

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

Technology Option	No. of trials	Insect incidence (%)	Yield q./ha	% age increased	Cost of Cultivation	Gross Return (Rs)	Net Return (Rs)	B:C Ratio
T_1-Carbofuron @ 25kg/ha. At 15 days per interval	06	15.50	740.0	-	92270	259000	166730	1:2.28
T_2- Thiomethoxam 1 % + Chlorantraniliprole 0.5 % @ 12 Kg/ha.at 15 days interval 2 application		3.95	975.0	31.76	99890	344750	244860	1:3.45

Sale price of Sugarcane: Rs 350/qt.

Farmers Feedback: Thiomethoxam 1 % + Chlorantraniliprole 0.5 % *is more effective to control the early shoot borer in respect to* Carbofuron .

On Farm Trial –9

THEMATIC AREA: INTEGRATED PEST MANAGEMENT

Problem definition: Low yield due to severe infestation of Sheath blight in Paddy (Pusa-1121).

Technology assessed: Assessment of fungicide to control sheath blight in Paddy.

KVK Hastinapur (Meerut) has conducted "On Farm Trial" entitled Assessment of fungicide to control sheath blight in Paddy(Pusa-1121) by comparing fungicide Azoxystrobin @ 800 ml/ha 15 days interval with Carbendazim @ 1000 g/ha as farmer practice, two sprays at 15 days interval. An appraisal of data collected, Azoxystrobin has quite edge over other fungicide the being used as farmer's practice in terms of disease incidence.

Table: Effectiveness, yield and economic parameters of different treatments for the management of Sheath blight in Paddy

Technology Option	No. of trials	Disease incidence (%)	Yield q./ha	% age increased	Cost of Cultivation	Gross Return (Rs)	Net Return (Rs)	B:C Ratio
T_1- Two Spray of Carbendazim @ 1000 g/ha 15 days interval	06	13.50	38.0	-	47200	114000	66800	1:2.41
T_2- Two Spray of Azoxystrobin @ 800 ml/ha 15 days interval		4.40	46.20	21.57	48960	138600	89640	1:2.83

Sale price of Paddy: Rs 3000/qt.

Farmers Feedback: Azoxystrobin *is more effective more profitable however both chemeical are significantly effective.*

On Farm Trial –10

THEMATIC AREA: HOUSE HOLD FOOD SECURITY

Problem definition: Nutritional Management

Technology assessed : Evaluation of bio fortified variety(WB-02) of wheat

Technology Option	No. of trials	Yield q./ha	% age increased	Cost of Cultivation (Rs./ha)	Gross Return (Rs)	Net Return (Rs)	B:C Ratio
T_1- Farmer practices Wheat variety D B W- 17	06	42.75	-	49507	89775	40268	1.81
T_2- Wheat variety WB 02		46.90	2.57	51490	98490	41000	1.91

On Farm Trial –11

THEMATIC AREA: INTEGRATED NUTRIENT MANAGEMENT

Problem definition: Imbalanced use of Fertilizer in wheat. Variety DBW-173 Rabi 2021-22

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

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

On Farm Trial –12

THEMATIC AREA: INTEGRATED NUTRIENT MANAGEMENT

Problem definition: Imbalanced use of Fertilizer in Paddy.

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

Technology Option	No. of trials	Yield q./ha	% age increased	Cost of Cultivation (Rs./ha)	Gross Return (Rs)	Net Return (Rs)	B:C Ratio
T_1- Farmer practices (Imbalance use of fertilizers N:P:K 150:75:0:25)	06	42.30	-	64480	131130	69650	1:2.13
T_2-N:P:K:Zn:S:Fe@ N,P,K, Zn & S- 120:60:40:25:20 & 0 kg/ha.)		48.90	15.60	49780	151590	101810	1:3.05

Variety Pusa- 1121 Sale price Paddy @ Rs. 3100 /qt

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

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

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


Without application of fertilizer on the basis of soil test


Application of fertilizer on the basis of soil test

II. FRONTLINE DEMONSTRATION

List of technologies demonstrated during previous year & popularized during 2020-21 and recommended for large scale adoption in the district

SN	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area (ha)
1	Urd	Varietal evaluation	Promotion of improved variety PU-31(NFSM)	Demonstration, Training and Advisory Services	11	25	10.0
2	Lentil	Varietal evaluation	Promotion of improved variety PL-8(NFSM)		12	25	10.0
3	Lentil	Varietal evaluation	Promotion of improved variety PL-8(NFSM)		8	25	10.0
4	Mustard	Varietal evaluation	Introduction of high yielding RH-749 (NFSM)		11	25	10.0
5		INM	Use of Sulphur @ 40 Kg/ha.		5	10	4.0
6	Paddy	INM	Application of Ferrous sulphate in Paddy @ 25 kg /ha		6	10	4.0
7	Wheat	Varietal evaluation	Introduction of high yielding timely sown variety HD-2967 (Post office)		1	03	1.20
8	Marigold	Varietals Evaluation	Popularization of improved variety Pusa Narangi		3	10	1.00
9	Garlic	Varietals Evaluation	Inter cropping of Garlic variety G-282 with autumn planting of Sugarcane.		1	05	0.40
10	Garden Pea	Varietals Evaluation	Inter cropping of Potato variety PS-10 with autumn planting of Sugarcane.		1	05	0.40
11	Potato	Varietals Evaluation	Inter cropping of Potato variety Kufri Chipsona-1 with autumn planting of Sugarcane.		1	05	0.40
12	Marigold	Varietals Evaluation	Popularization of improved variety Pusa Narangi		3	10	1.00
13	Potato	Varietals Evaluation	Popularization of improved variety Kufri Mohan and Kufri Surya		8	05	0.4

14	Potato	Varietals Evaluation	Seed production of improved variety Kufri Mohan under insect free net house		2	01	0.02
15	Potato	Varietals Evaluation	Inter cropping of Potato variety Kufri Chipsona-1 with autumn planting of Sugarcane.		3	45	1.6
16	Garden Pea	Varietals Evaluation	Inter cropping of Potato variety PS-10 with autumn planting of Sugarcane.		4	05	0.40
17	Paddy	IPM	Management of Srem borer of paddy through chlorantriliprole 0.4 %		2	10	2.0
18	Sugarcane	IDM	Management of Pokkabowing 33isease		2	10	2.0
19	Parwal	IPM	Management of fruit fly in Parwal		6	10	4.0
20	Tomato	IPM	Management of fruit borer by spinosad 45 %		3	5	1.0
21	Kitchen garden	House hold food security	Demonstration of well planned Kitchen Garden (100 m^2)		7	10	0.1
22	Vermin Composting	Women empowerment	Worms @ 1 kg/demon. Kharif 2020		3	5	0
23	Paddy	Resource Conservation	Use of Power sprayer for spraying of insecticides in Paddy crop		5	10	4.0
24	Wheat	Resource Conservation	Sowing of wheat by seed drill.		6	**15**	**6.0**
	Total					**289**	**73.92**

b. Details of FLDs implemented during year 2021

SN	Crop/ Enterprise	Thematic area	Technology Demonstrated	Season / year	Area (ha)	No. of farmers/ demonstration		
						SC/ST	Others	Total
Pulses								
1	Urd	Varietal evaluation	Promotion of improved variety PU-31(NFSM)	Kharif 2021	10.0	07	18	25
2	Urd	Varietal evaluation	Promotion of improved variety Indira-1(NFSM)	Zaid 2021	10.0	07	18	25
3	Lentil	Varietal evaluation	Promotion of improved variety PL-8(NFSM)	Rabi 2020-21	10.0	06	19	25
4	Gram	Varietal evaluation	Introduction of high yielding GNG-2171 (NFSM)	Rabi 2021-22	10.0	18	7	25
Oilseeds								
5	Mustard	INM	Use of Improved variety and Sulphur @ 40 Kg/ha.	Rabi 2020-21	4.0	3	7	10
6	Mustard	INM	Use of Improved variety and Sulphur @ 40 Kg/ha.	Rabi 2021-22	4.0	3	7	10
7	Mustard	Varietal evaluation	Introduction of high yielding variety RH-749(NFSM)	Rabi 2020-21	30.0	23	52	75
8	Mustard	Varietal evaluation	Introduction of high yielding variety RH-749(NFSM)	Rabi 2021-22	10.0	5	20	25
Other crop								
9	Paddy	INM	Application of ferrous Sulphate in Paddy @25kg/ha	Kharif 2021	4.0	6	4	10
10	Wheat	Varietal evaluation	Introduction of high yielding timely sown variety HD-2967	Rabi 2020-21	1.20	0	3	03
11	Potato	Varietals Evaluation	Popularization of improved variety Kufri Mohan	Rabi 2020-21	8.80	8	14	22
12	Potato	Varietals Evaluation	Inter cropping of Potato variety Kufri Chipsona-1 with autumn planting of Sugarcane.	Rabi 2020-21	0.40	03	02	05
13	Paddy	IPM	Management of Srem borer of paddy through chlorantriliprole 0.4 %	Kharif 2021	2.0	2	8	10
14	Tomato	IPM	Management of fruit borer by spinosad 45 %	Rabi 2020-21	1.0	1	4	5
15	Parwal	IPM	Management of fruit fly in Parwal	Kharif 2021	4.0	2	8	10
16	Sugarcane	IDM	Management of Pokkabowing disease. Application of copper oxychloride.	Kharif 2021	2.0	3	7	10

17	Kitchen garden	House hold food security	Demonstration of well planned Kitchen Garden (100 m^2)	Rabi 2020-21	0.10	3	7	10
18	Vermin Composting	Women empowerment	Worms @ 10 kg/demon.	Zaid 2021	--	5	0	5
19	Paddy	Resource Conservation	Use of Power sprayer for spraying of insecticides in Paddy crop	Kharif 2021	4.0	4	6	10
20	Wheat	Resource Conservation	Sowing of wheat by seed drill.	Rabi 2020-21	6.0	5	10	15
21	Sugarcane	Resource Conservation	Crop Residue Management through mulchar	Rabi-2020-21	130.0	32	80	112
	Total				**251.42**	**146**	**301**	**447**

Technical Feedback on the demonstrated technologies

SN	Crop/ Animal	Feed Back
1	Urd (NFSM)	Variety PU-31 is susceptible to mosaic disease. Production of PU-31 variety is 18.67% higher over check var.
2	Lentil (NFSM)	Wilting disease appeared in some fields just after irrigation and highly damaged by blue bulls at the stage of pod formation. Production of PL-8 variety. 15.25% increase in yield was observed.
3	Mustard	An application of sulphur 40 kg/ha. Resulted 12.77 % more yield along with little bit higher oil content in the mustard grains in the same variety RH-749
4	Wheat	HD- 2967 varieties observed under demonstration over locally grown variety. Rust disease did not appear in the variety while Aphid attacks at milking stage.
5	Potato	Early maturity & low starch value so it has a demand for chips industry.
6	Sugarcane	An increase 14.01 % increase in yield of Sugarcane was recorded after application of spraying of blitox 50@ 3kg./ha to control pokkabowing.
7	Kitchen Garden	Under the demonstration on household food security the respondents are getting fresh and potable green seasonal vegetables and get more nutrient like protein, vitamin throughout the year. In addition to this, a handsome amount is being saved by using the home produced vegetables .
8	Wheat	Line sowing of wheat to increases the yield of wheat by seed drill.
9	Gram	Varietal trial in line sowing. To increase the productivity of Gram.

Farmers' reactions on specific technologies

S. No	Crop	Feed Back
1	Urd	Comparatively low infestation of YVM.
2	Lentil	Production of demonstrated variety is significantly higher than their local variety.
3	Mustard	Mustard is persuading as a good oil seed crop & farmers are keen to incorporation as a rabi crop in existing sugarcane based cropping system. Easy availability and cheaper technology favors its adoption among farmers.
4	Mustard	Sulpher is easily available in local market and cheaper technology to increase oil content resulting higher income.
5	Wheat	Farmers found variety HD-2967 gives good yield in late sown condition and there is no rust disease found in the field.
6	Potato	Due to medium and manageable size, softness, darkness in color and market price acceptance is better.
7	Sugarcane	Application of spraying of blitox 50 to control pokkabowing. Resulting higher yield.
8	Tomato	Application of spraying of spinoshed 45% to control fruit borer. Resulting higher yield and safe for health.
10	Kitchen Garden	Farmers enjoyed the sufficient, chemical free, cheaper , all nutrients and quality green fresh and vegetables for almost throughout the year.
11	Wheat	By use of seed drill enhancement of yield and control of lodging. Therefore farmers are liking the seed drill.

Front Line Demonstration

Performance of Cluster Frontline demonstrations **(Pulse crops)**

Crop	Thematic Area	Technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR
						High	Low	Average										
Urd Kharif - 2021	Varietal evaluation	Popularization of improved variety	PU-31	25	10.0	11.26	9.32	10.67	8.79	21.38	33644	52740	19096	1.56	37321	64020	26699	1.71
Urd Zaid 2021	Varietal evaluation	Promotion of improved variety Indira-1(NFSM)	Indira1 (NFSM)	25	10.0	11.83	9.18	11.21	9.45	18.62	23520	56700	33180	2.41	26295	67260	40965	2.56
Lentil (Rabi-2020-21)	Integrated Crop Management	Scientific Production of Lentil variety-PL-8	PL-8	25	10.0	14.65	11.95	13.30	11.54	15.25	30475	67830	37355	2.23	28860	58854	29994	2.03
Gram Rabi 2021-22	Varietal evaluation	Introduction of high yielding GNG-2171 (NFSM)	GNG-2171 (NFSM)	25	10.0	19.87	16.45	18.16	13.45	35.01	26475	92616	66141	3.4	23750	68595	44845	2.88

* Sale price – Urd @ 6000/qtl. Lentil @ 5100/ Gram- @ 5100

Oilseed crops

Crop	Thematic Area	Technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Mustard (2020-21)	Varietal evaluation	Introduction of high yielding variety RH-749(NFSM)	RH749 (NFSM)	75	30.0	18.75	14.50	16.62	9.70	41.63	23245	66480	43235	2.85	22630	38800	16170	1.70
Mustard (2021-22)	Varietal evaluation	Introduction of high yielding variety	RH749 (NFSM)	25	10.0	19.64	16.95	18.96	15.12	25.42	24305	95748	71443	3.93	23150	76356	53206	3.29

* Sale price of Mustard: @ Rs 6600/-

FLD on Other crops:

Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% increase in Yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Av.										
Mustard (2020-21)	INM	Use of Sulphur @ 40 Kg/ha.	10	4.0	21.45	14.85	18.15	14.32	22.22	24450	84397	59947	3.45	23850	66588	42738	2.79
Mustard (2021-22)	INM	Use of Improved variety and Sulphur @ 40 Kg/ha. (Pusa Jagannath)	10	4.0	17.90	10.15	12.99	11.30	12.99	24310	118140	101000	4.15	23115	74580	58480	2.5
Paddy Kharif 2021	INM	Application of ferrous Sulphate in Paddy @25kg/ha	10	4.0	57.60	48.50	43.15	48.50	18.76	49780	178560	128780	2.58	61480	150350	88870	1.45
Wheat Rabi 2020-21	Varietal Evaluation	Improved variety HD-2967	03	1.2	52.25	46.35	49.3	42.95	14.78	34345	94902	60577	2.76	36215	82678	46463	2.28

* Sale price –Wheat@ Rs 2100/qt, Mustard -6600/-

Crop	The metic	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)			Economics of demo. Rs./ha)				Economics of check (Rs./ha)			
					Main crop (Q/ha.)	Enter crop (Q/ha.)	Equivalent Yield (Q/ha.)	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Potato	ICM	Inter cropping of Potato variety Kufri Chipsona-1 with autumn planting of Sugarcane.	05	0.4	835.0	269.64	1691.0	142100.00	532665.0	390565.0	1:3.74	96500.0	263025.0	166525.0	1:2.72
Potato	VE	Popularization of improved variety Kufri Mohan,	22	1.2	Demo.	Check	% Incre.								
					280.2	210.2	33.30	85600.0	420300.0	334700.0	4.91	80600.0	315300.0	234700.0	3.91

Sale price @ / Qt/ha. Potato -1000,

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Economics of demo. Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Av.										
Sugarcane/ Co-238	IDM	Management of Pokkabowing by using of CoC@3g/lit	10	2.0	960	846	903	792	14.01	86400	293475	207075	3.39	84000	257400	173400	3.06
Paddy	IPM	Management of Srem borer of paddy through chlorantriliprole 0.4 %	10	2.0	50.0	34.70	40.98	33.50	22.32	48000.0	122940	74940	1:2.56	47200	100500	53300	1:2.12
Tomato	IPM	Management of fruit borer by spinosad 45 %	5	1.0	380	336	349.6	300	16.53	173000	524400	351400	1;3.03	169420	450000	280580	1:2.65
Parwal	IPM	Management of fruit fly in Parwal by using pheromone traps @ 5 / acre	10	4.0	150	100	129.7	98.0	32.34	48280	324250	275970	1:6.71	46010	245000	198990	1:5.32

Sale price : Sugarcane @ 325/Qt.,




Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Economics of demo. Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Av.										
Wheat /HD-2967	RCT	Sowing of wheat by Seed Drill/	15	6.0	51.2	48.7	49.95	46.6	7.19	23700	96153	72453	1:4.05	22700	89705	67005	1:3.95
Sugarcane	RCT	Crop Residue Management by mulcher	112	130.0	998	924	961.5	920.0	4.51	106000	302872	196872	1:2.86	102000	289800	187800	1:2.84
Paddy	Resource Conservation	Use of Power sprayer for spraying of insecticides in Paddy crop	10	4.0	42.5	39.5	41.0	38.7	5.9	32500	71750	39250	1:2.21	31500	67725	36225	1:2.15

Sale price - Wheat- @ Rs, 1925.00 , Sugarcane - @ Rs, 315.00

Kitchen garden- House hold food security

Thematic area	Technology demon	No. of Demo.	Yield (Kg)		% change in yield	Economics of demonstration (Rs./kg)				Economics of check (Rs./kg)			
			Demo.	Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
House hold food security	Kitchen gardening	10	410	75	446	2150	10250	8100	4.7	500	1875	1375	3.7

Vermi Composting

Category and Crop	Thematic area	Technology demonstrated	No. of Farmer	Quantity (Kg.)	Economics of demonstration (Rs.)			
				Demo.	Gross Cost	Gross Return	Net Return	BCR (R/C)
Production of Vermin- compost	Women Empowerment	Worms @ 1 kg	05 10x3 fit/farmer	480	2600	8880	6280	3.4

III. Training Programme

Farmers' Training including sponsored training programmes
On campus

Thematic area	ON CAMPUS									
	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Crop management	3	45	0	45	15	0	15	60	0	60
Total	**3**	**45**	**0**	**45**	**15**	**0**	**15**	**60**	**0**	**60**
II Horticulture										
Management of young plants/orchards	1	14	0	14	06	0	06	20	0	20
Nursery management	1	18	0	18	02	0	02	20	0	20
Total (b)	**2**	**32**	**0**	**32**	**08**	**0**	**08**	**40**	**0**	**40**
III Soil Health and Fertility Management										
Integrated Nutrient Management	1	17	0	17	3	0	3	20	0	20
Production and use of organic inputs	1	15	0	15	5	0	5	20	0	20
Micro nutrient deficiency in crops	1	18	0	18	2	0	2	20	0	20
Soil and Water Testing	1	15	0	15	5	0	5	20	0	20
Total	**4**	**65**	**0**	**65**	**15**	**0**	**15**	**80**	**0**	**80**
IV Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	0	13	13	0	7	7	0	20	20
Minimization of nutrient loss in processing	1	0	18	18	0	2	2	0	20	20
Value addition	2	0	12	12	0	28	28	0	20	40
Total	**4**	**0**	**43**	**43**	**0**	**37**	**37**	**0**	**80**	**80**
Ag. Engg										
Repair & Maintenance	3	51	-	51	9	-	9	60	_	60
Drip Irrigation										
Total	**3**	**51**	**-**	**51**	**9**	**-**	**9**	**60**	**_**	**60**
Plant Protection										
Integrated Pest management	**4**	**54**	**-**	**54**	**14**	**12-**	**26**	**68**	**12**	**80**
GRAND TOTAL	**20**	**240**	**35**	**275**	**68**	**57**	**125**	**308**	**92**	**400**

Off Campus

Thematic area	Off CAMPUS									
	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Residue management	1	15	0	15	5	0	5	20	0	20
Resource Conservation Technologies	3	54	0	54	06	0	06	60	0	60
Nursery management	1	18	0	18	2	0	2	20	0	20
Integrated Crop Management	1	18	0	18	2	0	2	20	0	20
Total	**06**	**105**	0	**105**	**15**	0	**15**	**120**	0	**120**
II Horticulture										
a) Vegetable Crops										
Production of low value and high volume crops	1	17	0	17	3	0	3	20	0	20
Nursery management	2	35	0	35	5	0	5	40	0	40
Methods of sowing techniques	2	32	0	32	8	0	8	40	0	40
Total (a)	**5**	**84**	**0**	**84**	**16**	**0**	**16**	**100**	**0**	**100**
b) Fruits										
Layout and Management of Orchards	1	17	0	17	3	0	3	20	0	20
Rejuvenation of old orchards	1	18	0	18	2	0	2	20	0	20
Total (b)	**2**	**35**	**0**	**35**	**5**	**0**	**5**	**40**	**0**	**40**
c) Ornamental Plants										
d) Spices										
GT (a-d)	**7**	**119**	**0**	**119**	**21**	**0**	**21**	**140**	**0**	**140**
III Soil Health and Fertility Mangmt.										
Soil fertility management	4	60	0	60	20	0	20	80	0	80
Integrated Nutrient Management	4	60	0	60	20	0	20	80	0	80
Micro nutrient deficiency in crops	2	34	0	34	6	0	6	40	0	40
Soil and Water Testing	2	32	0	32	8	0	8	40	0	40
Total	**12**	**186**	**0**	**186**	**54**	**0**	**54**	**240**	**0**	**240**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	3	0	18	18	0	42	42	0	60	60
Minimization of nutrient loss in processing	3	0	45	45	0	15	15	0	60	60
Women and child care	3	0	38	38	0	22	22	0	60	60
Drudgery reduction	2	0	21	21	0	19	19	0	40	40
Total	**11**	**0**	**122**	**122**	**0**	**98**	**98**	**0**	**220**	**220**
Agri. Engg										
Repair & Maintenance	7	113	-	113	27	-	27	140	-	140
Protected cultivation										
Total	**7**	**113**	**-**	**113**	**27**	**-**	**27**	**140**	**-**	**140**
V Plant Protection										
Integrated Pest management	6	69	7	76	44	-	44	120	-	120
Integrated Diseases management	6	67	9	76	44	-	44	120	-	120
Total	**12**	**138**	**7**	**204**	**36**	**-**	**36**	**240**	**-**	**240**
G Total	**55**	**675**	**149**	**824**	**190**	**86**	**276**	**865**	**235**	**1100**


एफ.पी.ओ.
(कृषक उत्पादक संगठन)
लावड़ सब्जी प्रोड्यूसर कम्पनी लिमिटेड
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कृषि विज्ञान केन्द्र, हरितनापुर
प्रशिक्षण कार्यक्रम
स्थान :
दिनांक :
विषय :

Consolidated (On + Off)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Nursery management	1	18	0	18	02	0	02	20	0	20
Crop management	3	45	0	45	15	0	15	60	0	60
Residue management	1	15	0	15	05	0	5	20	0	20
Resource Conservation Technologies	3	54	0	54	06	0	06	60	0	60
Integrated Crop Management	1	18	0	18	02	0	02	20	0	20
Total	**09**	**150**	**0**	**150**	**30**	**0**	**30**	**180**	**0**	**180**
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	1	17	0	17	3	0	3	20	0	20
Nursery management	3	53	0	53	07	0	07	60	0	60
Method of sowing technique	2	32	0	32	08	0	08	40	0	40
Total (a)	**06**	**102**	**0**	**102**	**18**	**0**	**18**	**120**	**0**	**120**
b) Fruits										
Layout and Management of Orchards	1	17	0	17	03	0	03	20	0	20
Management of young plants/orchards	1	14	0	14	06	0	06	20	0	20
Rejuvenation of old orchards	1	18	0	18	02	0	02	20	0	20
Total (b)	**3**	**49**	**0**	**49**	**11**	**0**	**11**	**60**	**0**	**60**
G.T	**9**	**151**	**0**	**151**	**29**	**0**	**29**	**180**	**0**	**180**
III Soil Health and Fertility Management										
Soil fertility management	4	60	0	60	20	0	20	80	0	80
Integrated Nutrient Management	5	77	0	77	23	0	23	100	0	100
Micro nutrient deficiency in crops	3	52	0	52	8	0	8	60	0	60
Soil and Water Testing	3	47	0	47	13	0	13	60	0	60
Production and use of organic input	1	15	0	15	5	0	5	20	0	20
Total	**16**	**251**	**0**	**251**	**69**	**0**	**69**	**320**	**0**	**320**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	4	0	31	31	0	49	49	0	80	80
Minimization of nutrient loss in processing	4	0	63	63	0	17	17	0	80	80
Women and child care	3	0	38	38	0	22	22	0	60	60

Drudgery reduction	2	0	21	21	0	19	19	0	40	40
Value addition	2	0	12	12	0	28	28	0	20	40
Total	**15**	**0**	**165**	**165**	**0**	**135**	**135**	**0**	**300**	**300**
Plant Protection										
Integrated Pest management	10	156	-	150	102	-	102	180	-	200
Integrated Diseases management	06	63	-	63	09	-	09	50	-	120
Total	**16**	**219**	**-**	**219**	**111**	**-**	**111**	**230**	**-**	**320**
VI Agric. Engg.										
Repair & Maintenance	10	164	-	164	36	-	36	200	-	200
Drip Irrigation										
Protected cultivation										
Total	**10**	**195**	**-**	**195**	**45**	**-**	**45**	**240**	**-**	**240**
Grand Total	**75**	**915**	**184**	**1099**	**258**	**143**	**401**	**1173**	**327**	**1500**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	1	9	-	9	1	-	1	10	0	10
Value addition	1	0	7	7	-	3	3	-	10	10
Women empowerment	1	0	8	8	-	2	2	-	10	10
Vermin Compost	1	7	-	7	3	0	3	10	0	10
Nursery raising under poly house	1	10	0	10	0	0	0	10	0	10
Repair & maintenance	1	7	-	7	3	-	3	10	-	10
Integrated Pest Management	2	29	6	35	-	15	15	50	-	50
Integrated Nutrient Management	1	7	-	7	3	0	3	10	0	10
Total	**09**	**69**	**21**	**90**	**10**	**20**	**30**	**100**	**20**	**120**

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

Area of Training	ON CAMPUS									
	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Management	2	20	0	20	10	0	10	30	0	30
Integrated Nutrient mngt.	3	30	0	30	15	0	15	45	0	45
Layout and mngt. of orchard	2	25	0	25	5	0	5	30	0	30
Nutrient management	1	15	0	15	0	0	0	15	0	15
Women and Child care	2	0	25	25	0	5	5	0	30	30
House hold food security	2	0	25	25	0	5	5	0	30	30
Integrated Pest Management	4	45	0	45	15	0	15	60	0	60
Repair & maintenance	2	20	0	20	10	0	10	30	0	30
TOTAL	**18**	**155**	**50**	**205**	**55**	**10**	**65**	**210**	**60**	**270**

Sponsored training programmes

Area of training	Sponsoring Agency	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Farmers Technical Training	U.P. Government	04	140	10	150	28	22	50	168	32	200
TOTAL		04	140	10	150	28	22	50	168	32	200

IV. Extension Activity

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	Total
Advisory Services	605	1012	48	1060
Diagnostic visits	20	56	18	74
Field Day	06	262	08	270
Group discussions	-	-	-	-
Kisan Ghosthi	06	1020	60	1070
Film Show	07	188	15	203
Self –help groups	06	516	06	522
Kisan Mela (Attended)	08	3184	62	3246
Exhibition	03	715	27	742
Scientists visit to farmers field	50	200	03	203
Plant/animal health camps	-	-	-	-
Farm Science Club	-	-	-	-
Ex-trainees Sammelan	-	-	-	-
Farmers seminar/workshop	-	-	-	-
Method Demonstrations	-	-	-	-
Celebration of important days	09	860	15	875
Special day celebration	12	1597	11	1608
Exposure visits	04	165	06	171
Others(Farmer visited KVK)	153	742	35	777
Total	**889**	**10517**	**314**	**10821**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	0
Extension Literature	07
News paper coverage	44
Popular articles	15
Radio Talks	04
TV Talks	0
Animal health amps (Number of animals treated)	0
Others(Success Story, Book Published)	110
Total	**180**

न्यूज डायरी

सीएम ने केवीके प्रभारी को किया सम्मानित

लखनऊ में मुख्यमंत्री से सम्मान प्राप्त करते डॉ. ओमवीर सिंह।

हस्तिनापुर। चौधरी चरण सिंह की 119वीं जयंती पर लखनऊ में हुए कार्यक्रम में कृषि क्षेत्र में अहम योगदान के लिए स्वामी कल्याण देव कृषि विज्ञान केंद्र के प्रभारी डॉ. ओमवीर सिंह को मुख्यमंत्री योगी आदित्यनाथ ने प्रशस्ति पत्र देकर सम्मानित किया। डॉ. ओमवीर सिंह ने बताया कि किसान सम्मान दिवस कार्यक्रम में कृषकों, कृषि उद्यमियों और कृषि वैज्ञानिकों को सम्मानित किया गया। सरकार किसानों को जैविक खेती करने के लिए कई योजनाएं दे रही है। केवीके पर इसकी ट्रेनिंग दी जा रही है। किसानों को कृषि यंत्रों पर भी छूट दी जा रही है। संवाद

Important Events

Celebration of International Women Day

International women day has been celebrated at the centre on 08, March 2021. On the occasion 94 farm women were benefited by getting mini kit of vegetable seeds for establishing nutritional garden .

Awareness Programme on Environment Day

Celebrated awareness Programme on Environment day at Krishi Vigyan Kendra on 05.06.2021. On this occasion all staff and farmers were plantation in KVK Farm.

Demonstration of Basmati Rice under SCSP Programme

Demonstration of Basmati Rice Var-1509, 1121 to schedule caste farmers under SCSP Programme at Krishi Vigyan Kendra on 03.06.2021. 240 farmers participated in this programme.

Vegetable Seeds distribution Promotion of Nutritional Garden under SCSP Programme

Vegetable Seeds distribution to schedule caste farm women at Krishi Vigyan Kendra on 18.06.2021. 70 farm women were participated in this programme.

Large Scale Plantation

Large scale plantation was organized by Krishi Vigyan Kendra on 05.07.2021. In this programme 600 plants of Aonla, Sahjan, Jamun, Lemon were distributed among the farm women of village Samaspur present in this programme.

Celebration of ICAR foundation day,

Celebration of ICAR foundation day, Theme- Atma Nirbhar krishi organised at Krishi Vigyan Kendra on 16.07.2021 funded by IFFCO. In this programme 75 mini kit of vegetable seeds and 350 plants of Aonla, Sahjan, Jamun, were distributed among the farmer, farm women and Aagan wadi worker.

Kisan Samman Programme occasion of Independence Day

Kisan Samman Programme on the occasion of Independence Day was organised by on conservation of water in agriculture in the chairmanship of hon'able M.P. Sri Rajendra Prasad at Datawali village of Meerut block on 02.10.2021. About 600 farmer were participated in the programme.

Food and Nutrition Day

Celebration of event on Food and Nutrition for farmer on dated 26.08.2021 . 153 farmer and farm women were benefited.

Krishak Samwad by Hon'ble Minister

Krishak Samwad by Hon'ble Minister of Agriculture Uttar Pradesh interact with 147 farmer and farm women on dated 31.08.2021 at Krishi Vigyan Kendra, Hastinapur

Basmati Paddy production for Export

One day Workshop on Basmati Paddy production for Export organized by APEDA collaboration with KVK, hastinapur on dated 15.09.2021 at village Kushawali, Meerut. Under this programme 382 farmer were participated.

Celebration of International year of Millets 2023

Celebration of International year of Millets 2023 for farmer, farm women and aagan wadi worker on dated 17.09.2021. To aware the 205 farmer and farm women for nutritive value of millets.

Vanijya Utsav

Vanijya Utsav organized by APEDA Vatranasi and telecast at KVK, Hastinapur, 66 farmer were attended this live cast programme on dated 26.09.2021

Farmers Scientists Interface

Farmers scientists interface on Climate Resilient varieties , technologies and practices telecast Programme organised at KVK, Hastinapur of dated 28.09.2022. 210 farmer were participated.

Celebration of Kisan Mahila Diwas

Kisan Mahila Diwas has been celebrated at the centre on 15.10.2021. On the occasion 73 farm women were participated the programme.

Celebration of International Food Day

Celebration of International Food Day has been celebrated at the centre on 16.10.2021. On the occasion 72 farmer and farm women were participated the programme.

Special Swachhta Abhiyan

Special swachhta abhiyan programme organised at primary school of village samaspur on dated 06.10.2021. On the occasion 105 teacher, students and farm women were participated and aware the participants about about cleanliness.

Special Swachhta Abhiyan- Waste to wealth

Special swachhta abhiyan Waste to wealth programme organised of village Pali on dated 12.10.2021. On the occasion 50 farmer were participated.

Celebration of Samvidhan Diwas

In the chain of Azadi ka Amrit Mahotsava **Samvidhan** Diwas programme was organized on 26.11.2021 at KVK. Hastinapur. 85 farmer, farm women and KVK staff with RAWE students take oath preamble of the constitution.

Celebration of Agriculture Education Day

Agriculture Education Day was organized on 03.12.2021 at Ashram Paddati Inter College, Hastinapur. 145 students, teacher and KVK staff participated in this programme.

Celebration of Soil Health Day

Soil Health Day has been celebrated at the centre on 05, December 2021. On the occasion 56 farmers were benefited by getting soil health cards.

Programme Under Mahila Adyyan Kendra (April 2021 to December 2021)

Organised 22 programme under Mahila Adyyan Kendra at adopted village Samaspur. In all different programme such as International doctors day, Environment day, International justice day, Friendship day etc 800 farm women, rural youth, Aagan wadi karyakarta and students were participated and aware and educate the women regarding Mahila Addyan Programme.

Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
Meerut	Text only	315	11	08	17	56	37	444
	Voice only	1680	24	36	19	543	192	2494
	Voice & Text both							
	Total Messages							
Total farmers Benefitted		**1995**	**35**	**44**	**36**	**599**	**229**	**2938**

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

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

VI. PRODUCTION OF SEED/PLANTING MATERIAL AND FODDER

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of Farmers
Rabi 2020-21	Wheat	DBW-187	-	200.00	427890.00 + Insentive to be credited	
Kharif 2020-21	Maize +Jowar	Local, Hari Ganga	-	Auction	117500.00	
Rabi 2021-22	Mustard	Pusa Vijay	-	Auction	-	
Rabi 2021-22	Wheat	HD 3226	-	Seed Production	-	
Total						

Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	**Number of farmers**
Vegetable	-	-	-	-	-	-

Production of Bio-Products

Bio Products	**Name of the bio-product**	**Quantity(Kg)**	**Value (Rs.)**	**No. of Farmers**
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others				
Total				

Table: Production of livestock materials

Particulars of Live stock	**Name of the breed**	**Number**	**Value (Rs.)**	**No. of Farmers**
Dairy animals				
Cows				
Buffaloes	Murrah	03	200000	
Calves	Murrah	01	10000	
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Indian carp				
Exotic carp				
Others (Pl. specify)				
Total				

Product	Quantity	Value (Rs.)
Milk Production	1004.30 lit	45193.50
Mushroom Production	20 Kg	2000.00
Vermi Compost	800 Kg.	4000.00

Performance of Crop Cafeteria

Name of crop	**Variety**	**Name of crop**	**Variety**
Paddy	PV-1 Pusa-1637 Pusa-1121 Pusa- Basmati 1509 Pusa-1692 Pusa-2511	Wheat (Timely)	1. PBW- 173 2. HD-3226 3. HD-3271 4. WB-02
Urd	Indira-1 PU-31		
Mustard	Pusa - Vijay	Wheat (Late)	1. PBW-226
	Giriraj RGN - 298		2. DBW - 90 3. DBW - 71
	CS-60	Lentil	L- 47 - 17
	RS-749		
	NRCYS - 502		

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	446	446	11	47850.00
Water				
Plant				
Total	446	446	11	47850.00

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
Meerut	27.12.2021

IX. NEWSLETTER/MAGAZINE

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

X. PUBLICATIONS

Category	Number
Books	01
Training Manual	1
Book Chapter	05
Research papers	04
Seminar Papers	05
Technical bulletins	02
Technical reports	15
Total	33

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

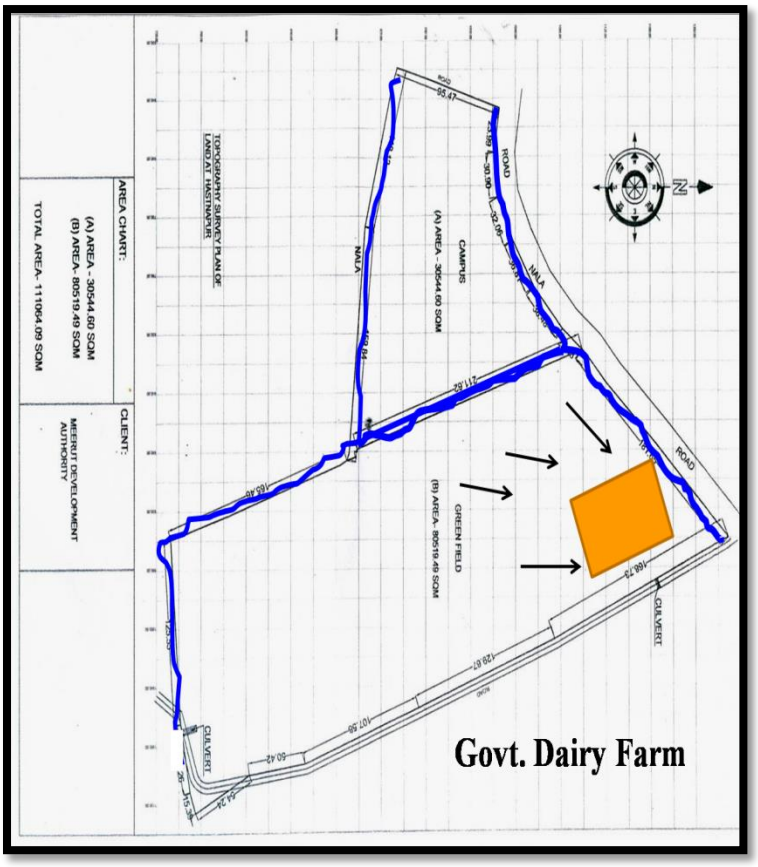
Rain Water Harvesting at KVK

Water is becoming a scare commodity and it is considered as a liquid god in the country. Demand of water is also increasing day by day not only for irrigation but also for household and industrial purposes. At the same time more area should be brought under irrigation to feed the increasing population of the country, which also needs more water. But we are not going to get 1liter more water than we get at present though the demand is alarming.

Objectives

- To demonstrate the technology among farmers
- To avoid water stagnation and crop damage
- Recycling of waste drain water
- To utilize the stored water for irrigation and other farm purposes during dry season
- To avoid sole dependency on electricity to irrigate farm as well as reducing costly electricity charges

Total Encatchment Area – 6



Summary of project for water harvesting structure:

S. N.	Item	Amount (Rs)
(A)	Cost of ponds	
1	Cost of ponds	834440.00
2	Cost of barbed wire fencing	132452.70
3	Cost of Syphon work	51476.00
4	Cost of sign board	5000.00
	Total	1023368.70

(B)	Additional charges	
	Cost of labour cess @ 1 % on A	10233.68

	Centage charges @ 6.875 % on A	70556.60
	Total	80970.28
(C)	Cost of Percolation treatment	
	Filling of clay soil and common salt in bottom of pond to prevent water percolation	100000.00
(D)	Cost of Solar pump	
	Cost of solar pump (3 HP)	434000.00
	Cost of trolley for panel installation	42000.00
		476000.00
	Grand Total = A + B + C + D =	1680338.98
	Say = Rs Sixteen lac and eighty thousand only	1680000.00

It is very important to make water everybody's business. It means a role for everybody with respect to water. Every household and community has to become involved in the provision of water and in the protection of water resources. As far as the KVK is concern, a water harvesting being a long life structure at KVK, not only useful for irrigation and money saving asset but also may serve the farming community to aware them about conservation of natural resources to counter water crises in future and may be integrate as component to develop integrated farming system as entrepreneurship development.

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

Introduction of alternate crops/varieties

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

Major area coverage under alternate crops/varieties

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

Farmers-scientists interaction on livestock management

Livestock components	**Number of interactions**	**No. of participants**
01	01 (05 days training programme)	40
Total		

Animal health camps organised

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

Seed distribution in drought hit states

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

Large scale adoption of resource conservation technologies

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

Awareness campaign

SN	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers
			07									

XIII. DETAILS ON HRD ACTIVITIES

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

Name of the SAU	Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
Total				

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

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

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

Each Zone should propose a minimum of three case studies with good action photographs (with captions on the backside of the hard copy of the photos) on the following topics

a) ***Effective popularization on a larger scale of any one FLD technology and its role in transformation of district agriculture with respect to that particular crop or enterprise***
b) ***Performance of the end results of any one technology assessed, its refinement if any and its impact in district agriculture with respect to that crop or enterprise***
c) ***Effect of production and supply of seeds and planting material / animal breed / or bio-product and its impact on district agriculture with respect to that crop/ enterprise/ bio-product***

The general format for preparing the above case studies are furnished below

Name of the KVK

TITLE

Introduction

KVK intervention

Output

Outcome

Impact

XIV. AGRICULTURAL TECHNOLOGY INFORMATION CENTRE (2021)

A. Details on ATICs

S. No	Name of the ATIC	Name of the Host Institute	Name of the ATIC Manager
1.	Krishi Vigyan Kendra, Hastinapur, Meerut	SardarVallabhbhai Patel University of Agriculture & Technology, Meerut	Dr. Omvir Singh, Professor & Head

B. Details on Farmer's visit (Jan 2021 to Dec 2021)

S. No	Purpose of visit	Number of farmer's visited
01	Technology Information	962
02	Technology Products	
03	Others if any pl. specify	

C. Facilities in the ATIC which are in operation

S. No	Particulars	Availability (Please √ mark)	Number of ATICs
01	Reception counter	√	
02	Exhibition / technology museum	√	
03	Touch screen Kiosk		
04	Cafeteria	√	
05	Sales counter	√	
06	Farmer's feedback register	√	
07	Others if any (please specify)		

D. Technology information provided

D.1. Details on technology information (Jan 2021 to Dec 2021)

S. No	Information category	Number of ATICs	Total number of farmers benefitted	Category of information						
				Varieties / hybrids	Pest management	Disease management	Agro-techniques	Soil and water conservation	Post Harvest technology and Value addition	Animal Husbandry and fisheries
01	Kisan Call Centre / other Phone calls from farmers									
02	Video shows	1	188	02	01	01	01	01	01	
03	Letters received									
04	Letters replied									
05	Training to farmers / technocrats / students	1	65		02			01	01	
06	Others pl. specify									

D.2 . Publications (Print & Electronic media) (Jan 2021 to Dec 2021)

S. No	Particulars	Number sold	Number of farmers benefited
1	Books Chapter		
2	Technical Mannual		
3	Research Paper		
4	T.V Talk		
5	You Tube Videos		

E. Technology Products provided (Jan 2021 to Dec 2021)

S. No	Particulars	Quantity	Unit of quantity	Value in Rs.	Number of farmers benefited
01	Seeds	200	Quintal	427890.00	
02	Planting materials	350	Numbers	-	
03	Livestock	04	Numbers	210000.00	
04	Poultry birds		Numbers		
05	Bio-products		Quintals		
06	Fodder		Auction	117500.00	
07	Milk production	1004.30	Lit	45193.00	
08	Mushroom Production	20	Kg	2000.00	

F. Technology services provided (Jan 2021 to Dec 2021)

S. No	Particulars	Number of farmers benefited
01	Soil and water testing	446
02	Plant diagnostics	37
03	Details about the services to line Departments	81
04	Others if any (please specify)	

XV. TECHNOLOGICAL BACKSTOPPING BY DIRECTORATES OF EXTENSION

States covered:
Number of Directorates of Extension:

A. Details on Directors of Extension

S. No	Name of the SAU	Name of the Director of Extension	Number of KVKs for which technological backstopping is provided					
			SAU/CAU	DU	ICAR	NGO	SDA	Others (pl. specify)

B. Workshops / meetings organized during (Jan 2021 to Dec 2021)

S. No.	Details of workshop/meeting conducted	No. of KVKs participated

C. Visits made by DE / Officials in the Directorate to KVKs during (Jan 2021 to Dec 2021)

S. No.	Particulars	Number of visits
01	SAC meetings	01
02	Field days	01
03	Workshops / seminars	02
04	Technology week	
05	Training programmes	02
06	Others pl. specify	

D. Overseeing of KVKs activities during (Jan 2021 to Dec 2021)

S. No.	Particulars	Number of fields visited	Major observations / remarks	Major suggestions given
01	On Farm Trials	02	Farmers are appreciating and	Well established technologies may be

			adopting the technology.	taken in FLDs in coming year Action plan
02	Front Line Demonstration	02	FLDs are very good but scattered	FLDs should be on approach road in clusters
03	Others pl. specify			

E. Publication on Technology inventory during (Jan 2021 to Dec 2021)

S. No.	Particulars	Number
01	Directorates published the technological inventory	02
02	Directorates constantly updating the technological inventory	02

F. **Technological Products provided to KVKs during** (Jan 2021 to Dec 2021)

S. No.	Major technologies provided	Number of KVKs
01	Seeds	
02	Planting materials	
03	Bio-products	
04	Livestock breed	
05	Livestock products	
06	Poultry breed	
07	Poultry products	
08	Others pl. specify	

XVI Achievement of Special programmes

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

S. No.	Name of QP/Job role	Duration (hrs)	No. of Courses Organised	No. of Participants						
				SCs/STs		Others		Total		TOTAL
				Male	Female	Male	Female	Male	Female	
1	Nursery Worker									
2	Vermicompost Producer									
	TOTAL									

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

a) CRM Machinery procured by KVKs

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

b) IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities	No. of Participants
	Kisan Melas organized		
1.	Awareness programmes conducted at Village Panchayat/ Block/ District Level		
2.	Mobilization of schools and colleges through essay completion,		

	painting, debate etc.		
3.	Demonstration conducted (ha)		
4.	Training Programmes conducted		
5.	Exposure visits organized		
6.	Field /harvest days organized		
	Total		

3) Achievement of TSP (Tribal Sub Plan)

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

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

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

5) Achievements of SCSP KVKs

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On- farm trials	Frontline demos	Mobile agro-advisory to farmers						
455	505								455							

6) Achievement under IFS KVKs

Sl. No.	IFS (Component Name)	No. of IFS established	Area (ha)	Number of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training
1							
2							
3							

7) Achievements under Mera Gaon Mera Gaurav (MGMG) project

No. of institutes/ universities involved	Total No of Groups/team formed	No. of Scientists Involved	No. of villages covered	No. of field activities conducted	No. of messages/ advisory sent	Farmers benefited (No.)

8) Achievements of Farmers FIRST programme

NRM Module		Crop Module		Horticulture Module		Livestock & Poultry			IFS Model		Extension Activities	
Demon.	No Farm Families	Demon.	No Farm Families	Demon.	No Farm Families	Demon.	No Farm Families	No of Animals	Demon.	No Farm Families	No. of prog	Farmers

9) Activities performed under NARI programme

9.1 Table-9.1: Details of activities performed under NARI programme

Nutritional Garden		Bio-fortified crops		Value addition		Training programmes		Extension activities	
No of Established	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries
20	20	3	60	4	60	11	220	4	60

Table-9.2: Details of Bio-Fortified Crops used for nutritional security under NARI programme

Category	Bio Fortified Crop	Variety	Area (ha)	No of Beneficiaries
Cereal	Maize			
	Rice			
	Wheat			
Millet	Finger millet			
	Pearlmillet			
	Sorghum			
Oilseed	Groundnut			
	Mustard			
Pulses	Lentil			
	Lathyras			
Vegetable	Cauliflower	Pusa Beta Kesari	500 sqm/ 20 farmer	20
	Raddish	Pusa Jamuni	500 sqm	20
	Potato	Kufri Neelkanth	500 sqm	20
Tuber	Sweet Potato			
Total				

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

Sample	No. of Samples in	No. of Farmers in	No. of Villages in	Amount realized	No. of Soil Health Cards issued
Soil	446	446	11	47850.00	
Water					
Plant					
Manure					446
Total				**47850.00**	

11) Achievements under NICRA Project

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

12) Achievements under ARYA Project

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

13) Achievements under Rainwater Harvesting Structures

Sr. No.	Activities	Number
1	Training programmes	
2	Demonstration	
3	Plant materials produced	
4	Visit by farmers	
5	Visit by officials	

14) Achievements under Pulses Seed Hub programme

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

15) NEMA (New Extension Methodologies and Approaches)

Name of Crop with variety	No. of districts	No. of Villages selected	No. of Blocks	No. of household selected	
				Adapter household	Non adapter household

16) Achievements under CSISA (Cereal System Initiative for South Asia) project

S.No.	Name of Programme	Number/quantity
1	Plantation by paddy uppulling	
2	DSR	
3	Laser leveler	
4	Training	
5	Kisan Mela	
6	Seminar	
7	Seed production (q)	

17) Achievements under NIFTD (National Initiatives for fodder technology demonstrations)

Name of fodder	Variety	Production (q)	Training courses	No. of farmers benefitted

18) Achievements under Swachhata Abhiyan Mission

S.No.	Items	No. of Programmes	No. of persons paticipated
1	Toilet maintenance		
2	Road, drain cleaning		
3	Garbage disposal		
4	Door to door awareness		
5	Awareness campaign	03	156
6	Nookkad Drama		
7	School Drama		
8	School rally	01	48
9	Writing paining slogans		
10	Composting	01	15
11	Other		

19) Achievements under Aspirational District Scheme

Name of programme	Number
Training	
Session No.	
No. of farmers	
Officers/staff involved	
Seed & Plant Distribution	
Programme number	
Seed distribution in q	
No. of plant distributed	
Biological products distributed	
No. of programme organised	
No. of farmers	
Officers/staff involved	
Animal husbandra & fish distribution programme	
Vaccination	
Medicine for control of parasite	
Distribution of mineral mixure	
No. of farmers	
Officers/staff involved	

XVI Awards

S.No.	Name of Award received	Name of KVK/farmer	Year of Award	Date on which award received
1	Outstanding Contribution in the field of Agriculture Extension	Meerut	2021	23.12.2021
2	Best Extension Scientist (Entomology)	Meerut	2021	
3	Best Article Award	New Delhi, Fertilizer Association of India	2021	31.12.2021

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

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