KRISHI VIGYAN KENDRA, GAUTAM BUDDH NAGAR

ANNUAL PROGRESS REPORT

(January – December, 2023)

REPORT SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	84	996	719	1715
Rural youths/Vocational	5	28	27	55
Extension functionaries	25	256	234	490
Sponsored Training	4	83	42	125
Vocational Training	2	42	42	84
Total	**120**	**1405**	**1064**	**2469**

2. Frontline Demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds (CFLD)	100	40.0	-
Pulses (CFLD)	100	40.0	-
Cereals	55	22.0	-
Vegetables	28	7.5	-
Other crops (Fodder-Berseem)	10	1.0	-
Hybrid crops	0	0	-
Total	**293**	**110.5**	-
Livestock & Fisheries	39	-	14 units + 25 animals
Other enterprises(Kitchen Garden)	35	0.35	35 Nutritional garden
Total	**74**	**0.35**	
Grand Total	**367**	**110.85**	14 units + 25 animals+35 N.G.

3. Technology Assessment & Refinement

Category	No. of Technology	No. of Trials	No. of Farmers
Technology Assessed			
Crops	05	05	25
Livestock	03	03	15
Various enterprises- Vegetable	03	03	15
Total	**11**	**11**	**55**
Technology Refined			
Crops			
Livestock			
Various enterprises			
Grand Total	**11**	**11**	**55**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	890	8486
Other extension activities	80	
Total	**970**	**8486**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Live-stock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
GB Nagar	Text only	82	12	6	8	21	8	137
	Voice only	42	4	0	11	16	5	78
	Voice & Text both	65	11	6	15	15	9	121
	Total Messages	**189**	**27**	**12**	**34**	**52**	**22**	**336**
	Total farmers benefitted	**504**	**66**	**112**	**66**	**75**	**56**	**879**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q) (Commercial)	Barley (2.5 ha) – 46.89 (Rabi 22-23) Wheat (0.4 ha) (NF)– 6.40 (Rabi 22-23)	87731.00 14726.00
		102457.00
Planting material (No.)	Various Vegetable Seedlings - 17281	5725.00
Bio-Products (kg)	-	-
Livestock Production (No.)	Eggs (110) & Chicken bird (6)	7000.00
Fishery production (No.)	Stocked in September, 2022	-
	Total	**115182.00**

7. Soil, water & plant Analysis(Jan to Dec., 2023)

Samples	No. of Beneficiaries	Value Rs.
Soil	398	41340.00
Water	81	2850.00
Plant	-	-
Total	**479**	**44190.00**

8. HRD and Publications

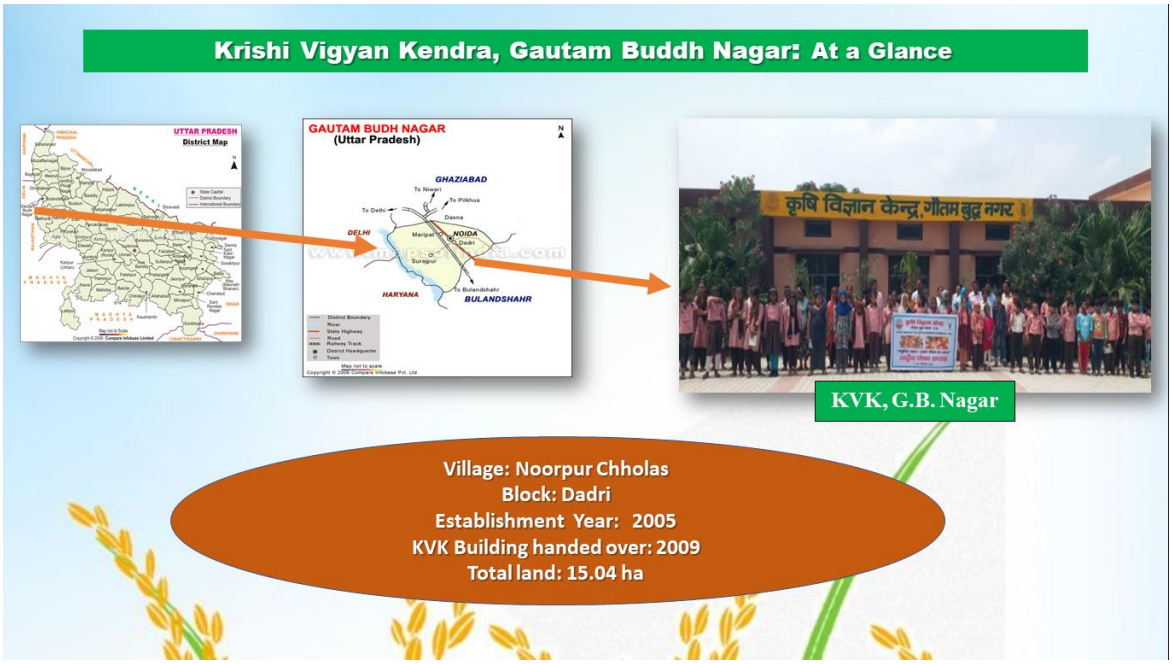
Sr. No.	Category	Number
1	Workshops	03
2	Conferences	0
3	Meetings	06
4	Trainings for KVK officials (attended)	08
5	Visits of KVK officials	10
6	Book published/ Training Manual	04
7	Training Manual (FTT+ Paddy Seed- NTPC)	02
8	Book chapters	02
9	Research papers	-
10	Lead papers	-
11	Seminar papers	-
12	Extension folder	09
13	Proceedings	03
14	Award & recognition	02
15	On-going research projects	01

DETAILED ANNUAL PROGRESS REPORT
(January - December, 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
KrishiVigyan Kendra, V&P – Noorpur Chhoulas, Dadri, Gautam Buddh Nagar – 203 207 , UP	9968556926	-	gbnagarkvk@gmail.com



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

Address	Telephone		E-mail
	Office	FAX	
SVPUA&T, Meerut	0121-2888511	0121-2888511	dir.ext@svpuat.edu.in deesvpuat2014@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Mayank Kumar Rai	-	9968556926	gbnagarkvk@gmail.com

1.4. Year of sanction: June, 2005

1.5. Staff Position (as on 30th Dec., 2023)

SN	Sanctioned post	Name of the incumbent	Design-ation	Subject	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Perma-nent /Temp-orary	Category (SC/ST/ OBC/ Others)	Mobile no.	Age	Email id
1	Head	Dr. Mayank Kumar Rai	Professor & Head	Entomology	PB-4 [14(8)]	182700	28.06.08	Regular	Others	09968556926	52	mayankrai71@gmail.com
2	SMS	Dr. Vipin Kumar	Asso. Dir.	Agronomy	PB-4 [13(8)]	166400	09.12.03	Regular	Others	09013389751	50	drv_kumar1973@rediffmail.com
3	SMS	Dr. Mohan Singh	Asst. Prof./SMS	Soil Science	PB-3 [11(11)]	104100	25.06.08	Regular	OBC	9457802593	52	drmsinghkvk@gmail.com
4	SMS	Smt. Vinita Singh	Asst Prof. / SMS	Home Science	PB-3 [11(10)]	92600	11.07.08	Regular	Others	09717091158	54	write2vinita1@gmail.com
5	SMS	Dr. Sunil Prajapati	SMS/T-6	Horticulture	PB-3 [10(1)]	57800	04.07.22	Regular	OBC	09407804830	38	prajapatisunil4960@gmail.com
6	SMS	Dr. Bonika Pant	SMS/T-6	Fisheries Science	PB-3 [10(1)]	57800	07.07.22	Regular	Others	09412890917	32	bonika09pant@gmail.com
7	SMS	**Vacant**										-
8	Programme Assistant	Sh. Kunwar Ghanshyam	Training Assistant	Animal Husbandry	PB-2 [9(20)]	93000	10.02.95	Regular	OBC	09412120240	55	kunwarg2011@gmail.com
9	Computer Programmer	Sh. Ashu Arora	Program Assistant	Computer Science	PB-2 [8(18)]	81200	16.10.99	Regular	Others	08010907124	50	aaroragzb@gmail.com
10	Farm Manager	Sh. Rajiv Kumar Sirohi	Farm Manager	Seed Science	PB-2 [7(8)]	56900	26.12.08	Regular	OBC	08273443441	56	rajivsirohi1967@gmail.com
11	Accountant / Superintendent	**Vacant**										
12	Stenographer	Vacant										
13	Driver	Mohd. Shokin	Driver	-	PB-1 [5(10)]	39200	05.12.03	Regular	OBC	09058541050	51	-
14	Driver	**Vacant**										
15	Supporting staff	Sh. Praduman	Attendant	-	PB-1 [2(15)]	30200	27.02.08	Regular	OBC	09675589243	46	-
16	Supporting staff	**Vacant**										

Staff Position of KVK, G. B. Nagar

Professor & Head

Dr. Mayank K. Rai (Entomology)

Subject Matter Specialists

Dr. Vipin Kumar (Agronomy)

Dr. Mohan Singh (Soil Science)

Mrs. Vinita Singh (Home Science)

Dr. Sunil Prajapati (Horticulture)

Dr. Bonika Pant (Fisheries Science)

Trg. Asstt.

Mr. K. Ghanshyam (Animal Science)

Computer Programmer

Mr. Ashu Arora

Farm Manager

Mr. Rajiv K. Sirohi

Mr. Md. Shokin (Driver cum Mechanic)

Mr. Pradyuman (Attendant)

1.6. Total land with KVK (in ha) : 15.04 ha

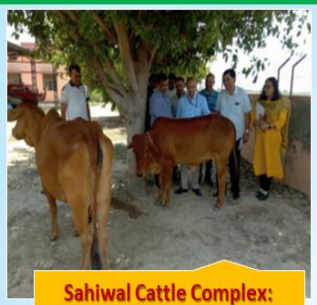
S. No.	Item	Area (ha)
1	Under Buildings	2.00
2.	Under Demonstration Units	0.04
3.	Under Crops	12.00
4.	Orchard/Agro-forestry	00.40
5.	Others	Pond – 0.40
		Fodder block – 0.20

1.7. Infrastructural Development:

A) Buildings (Source of funding – ICAR)

SN	Name of building	Stage					
		Complete			Incomplete		
		Completion Date	Plinth area (Sq.m)	Expend-iture Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	Oct, 06	510	-			-
2.	Farmers Hostel	Oct, 06	300	-			-
3.	Staff Quarters(6)	Oct, 06	400	-			-
4.	Demo. Units (2)	Oct, 06	160	-			-
5.	Fencing	Oct, 06	2000 r.m	-			-
6.	Rain Water harvesting	-	-	-			-
7.	Threshing floor	Oct, 06	300	-			-
8.	Farm godown	Oct, 06	60	-			-

Infrastructure Development at KVK, G.B.Nagar



Sahiwal Cattle Complex: Training & Demonstration Unit

Water Harvesting Pond

Nutrition Garden: Training & Demonstration Unit

Poly house: Training & Demonstration Unit

Natural Farming : Training & Demonstration Unit

Fruits orchard :Training & Demonstration Unit

Facilities at KVK, G. B. Nagar

Facilities	Units
Soil testing lab	01 No.
Natural farming unit	01 No.
Farmers' Hostel	01 No.
Knowledge Resource Centre (KRC)	01 No.
Food processing lab	01 No.
Irrigation channels	1200 R/M
Tube well	01 No.
Motor Cycle	1 No.
New Holland Tractor	1 No.

Soil Testing lab

Knowledge Resource Centre (KRC)

Upcoming facilities:
- Weather Station

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total Km. Run	Present status
Motor cycle	22.03.2011	-	70230	Working
Tractor (John Deer)	2022			Working

C) Equipment's & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Farm Equipment			
Harrow	2006	20625.00	Not working
Cultivator	2006	11025.00	Not working
Leveler	2006	5080.00	Good condition
Tractor Trolly	2006	88600.00	Good condition
Raised Bed Multi Crop Planter	2010	57500.00	Not working
Bund Maker	2012	9450.00	Good condition
Harrow	2022	50404.00	Good condition
Rotavator	2022	120000.00	Good condition
Pata	2022	14160.00	Good condition
Sprayer	2022	11000.00	Good condition
Weeder	2022	41493.00	Good condition
Office Equipment			
Hp Computer Intel D-90	2006	48500.00	Not working
UPS 1 KVA	2006	11500.00	Not working
M 1005 MFP Printer	2006	10000.00	Not in proper working
Numeric Digital UPS	2007	-	Not working
LCD Projector	2007	64125.00	Poor condition
Samsung CLP-315	2008	9800.00	Not working
Laptop (01)	2017	54035.00	Good condition
Finger Print Machine	2017	7903.00	Good condition
1.5 ton Blue star AC	2017	51349.00	Not working
Dell Desktop (03)	2017	141078.00	Good condition
UPS 600 VA	2017	15354.00	Not working
3.6 KVA Invertor	2019	15812.00	Not Working

1.8.). Details SAC meeting conducted in the year – 07 Nov., 2023

SN	Name and Designation of Participants	Salient Recommendations
1	Dr. Satendra Khari, Joint Dir. Ext., SVPUA&T, Meerut	Joint Director Extension sir directed to organize trainings at least one month before actual work so that farmers can get maximum benefit from the training s attended.
2		Joint Director Extension sir directed to publish successful and farmer oriented OFTs and FLDs in print media and research journals for maximum reach.
3	Dr. P.K. Singh, Assoc. Prof., SVPUA&T, Meerut	Dr. P.K. Singh, Prof. suggested to demonstrate nano-urea / DAP in FLD so that it reaches out to maximum no. of farmers.
4	Dr. Satendra Khari, Joint Dir. Ext., SVPUA&T, Meerut	Directed to promote millets by demonstrating in FLDs and organizing trainings on processing of millet products.
5		Directed to work in balanced fertilizers and latest innovative technologies of soil science along with OFTs & FLDs integrating soil science and horticulture.
6		Directed to organize awareness programme and trainings on vaccination of children. He further suggested to organize trainings and programmes on preparation of processed products based on pulp of seasonal fruits / vegetables for income generation of farm women.
7	Dr. Satendra Khari, Joint Dir. Ext., SVPUA&T, Meerut & Ms Shivani Tomar, DHO, GB Nagar	Suggested to organize FLDs and OFTs to promote floriculture in GB Nagar along with dedicating a part of the polyhouse for nursery of floral plants.
8	Dr. P.K. Singh, Assoc. Prof., SVPUA&T, Meerut	Suggested to produce 1.20 lakh seedlings of vegetables / fruits or flower plants.
9	Dr. Satendra Khari, Joint Dir. Ext., SVPUA&T, Meerut	Directed to include dried products in the trainings related to fisheries processing and value addition. He also suggested to spread awareness and knowledge regarding fish oil and its benefits to the farmers.
10	Sh. Rajeev Kumar Arora, DD Ag., GB Nagar	Suggested to include, promote and demonstrate latest techniques and technologies in agriculture and allied sciences to cater the needs of NCR.
11	Sh. Shiv Kumar, Progressive farmer, Vill – Khursaidpura, GB Nagar	Suggested to include trainings for development of FPOs.

2. DETAILS OF DISTRICT (30th December, 2023)

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

SN	Farming system / enterprises
1	Crop Production + Dairy
2	Crop Production + horti (Fruit)
3	Crop Production + horti (Vegetable)
4	Crop Production + Backyard poultry
5	Fisheries + other crop (Horti or agri)

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

SN	Agro-climatic Zone	Characteristics
1	Western Plain Zone	Sandy loam and loamy soil texture, canal and tube well irrigation, medium rainfall, sub-tropical climate, rice-wheat crop rotation crop production based dairy farming system.

SN	Agro-ecological situation	Characteristics
1	AES – I	**Soil type** - Sandy loam soil **Crop rotation** - Rice-Wheat, Jawar (fodder) -wheat, Arhar-wheat, Jawar(fodder) -lentil, Vegetables **Orchard –** Mango, Guava **Mixed farming system**
2	AES – II	**Soil type** - Sandy loam, Loam soil **Crop rotation** - Rice-wheat, Jawar(fodder)-wheat, Arhar-wheat, Jawar(fodder)-lentil, Vegetables **Mixed farming system** Some area water logged

2.3 Soil type/s

SN	Soil type	Characteristics	Area in (ha)
1	Sandy loam	Sand percentage medium and water holding capacity medium.	37880
2	Loam	Soil fertility status and water holding capacity is high	100937

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

Kharif, 2022

S. No	Crop	Area (ha)	Production (MT.)	Productivity (q./ha)	Yield gap (q/ha) with respect to demo	Yield gap (q/ha) with respect to potential yield
1	Rice	28568	98900	34.62		
2	Jawar	3167	2439	7.70		
3	Urd	131	632	4.80		
4	Moong	418	6604	15.8		
5	Arhar	40	362	9.1		
6	Sesame	53	35	6.60		
7	Pearl millet	1821	3600	19.80		

Rabi 2022-23

S. No	Crop	Area (ha)	Production (MT.)	Productivity (q./ha)
1	Wheat	45220	152840	33.80
2	Barley	640	2403	37.54
3	Gram	-	-	-
4	Pea	15	18	12.0
5	Lentil	4	3	7.10
6	Toria/Mustard	802	923	11.50

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	15196	121568	8.00
Indigenous	16398	106587	5.50
Buffalo	272847	2319199	7.30
Sheep			
Crossbred	3770	4713	1.20
Indigenous	898	674	0.75
Goats	18176	327168	18.0
Pigs			
Crossbred	808	44440	51
Indigenous	7369	359788	44.0
Poultry			
Improved	22233	24456	1.20
Category	**Population**	**Production**	**Productivity**
Inland	-	3735 q	2.5 ton/ha/year

2.7 Details of Operational area / Villages (30th Dec., 2023)

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust area
Dadri	Dadri	Chhaulas Naibasti Saithali Veerpura Nagla-Nainsukh Palla Luharli Chaysa Bambabad Akilpur Basantpur Milak Khandera Khursadpura	Rice Wheat Jawar Mustard Lentil Vegetables Orchards Dairy Poultry Fisheries	• Low yield of cereals due to imbalanced use of fertilizer and heavy weed infestations. • Old varieties of pulses, pod borer's problem and wild cows. • Low yield of oilseeds crops due to no less use of Sulphur. • Wilt in guava orchard • Alternate bearing & pest problem in mango orchard • In milch animals repeat breeding • Worm's infestation • Lack of fish species / mono culture diversification • Feed management in aquaculture. • Lack of quality seedling availability.	• IPNM • IWM • IPM • Guava orchard management with respect to wilt. • Mango orchard management • Balanced animal feeding • De-worming • Composite fish culture • Feed management

Sadar	Bisrakh	Duryai Thapkheda Dujana Moihayapur Parsol Bilaspur Cheersi Bagpur Cheetee Dadupur Atta- Fatehpur	Rice Wheat Jawar Mustard Lentil Vegetables Orchards Dairy Poultry Fisheries	• Low yield of cereals due to imbalanced use of fertilizer and heavy weed infestations. • Old varieties of pulses, pod borer's problem and wild cows. • Low yield of oilseeds crops due to no less use of Sulphur. • Wilt in guava orchard • Alternate bearing & pest problem in mango orchard • In milch animals repeat breeding • Worm's infestation • Lack of fish species / mono culture diversification • Feed management in aquaculture. • Lack of quality seedling availability.	• IPNM • IWM • IPM • Guava orchard management with respect to wilt. • Mango orchard management • Balanced animal feeding • De-worming • Composite fish culture • Feed management
Jewar	Jewar	Chakvee- rampur Dhansia Dastampur Mahmadpur- Jadaun Cheeti Astoli	Rice Wheat Jawar Mustard Lentil Vegetables Orchards Dairy Fisheries	• Low yield of cereals due to imbalanced use of fertilizer and heavy weed infestations. • Old varieties of pulses, pod borer's problem and wild cows. • Low yield of oilseeds crops due to no less use of Sulphur. • Wilt in guava orchard • Alternate bearing & pest problem in mango orchard • In milch animals repeat breeding • Worm's infestation • Lack of fish species / mono culture diversification • Feed management in aquaculture. • Lack of quality seedling availability.	• IPNM • IWM • IPM • Guava orchard management with respect to wilt. • Mango orchard management • Balanced animal feeding • De-worming • Composite fish culture • Feed management • Composite fish culture • Feed management

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Rice/Wheat	Introduction of new high yielding disease resistant basmati paddy & wheat varieties. Integrated Plant Nutrient Management in Rice-wheat cropping. Integrated Weed Management in Rice-wheat cropping system.
Pulse	Increase area under the kharif and zaid pulses.
Fodder	Round the year Green fodder production
Basmati paddy	Integrated Pest Management in crops.
Millets	Inclusion of millets in rice based cropping system and their value addition.
Guava and Lemon	Rejuvenation of old existing orchards and scientific mgt. practices of orchards.
Vegetables	Organic Vegetables farming / Exotic vegetables production
Dairy	To reduce repeat breeding in buffaloes & cows and calf mortality
Poultry	Promotion of Backyard poultry.
Horticulture	Introduction of flower crops.
Kitchen Garden	Nutritional kitchen gardening.
Value Addition	Value addition in fruits and vegetables.
Fisheries	Composite culture, ornamental fisheries and processing value addition

3. TECHNICAL ACHIEVEMENTS

3.A. Target and achievements of mandatory activities by KVK during Jan. to Dec., 2023

OFT (Technology Assessment)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
10	11	50	55	50.0 + 25 animal 04 fish units + 35 N.G. unit	110.85 + 25 animals + 04 fish units + 35 nutritional garden unit	200	293 + 25 animals+ 14 fish units + 35 N.G. unit

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers		84		1715				
Rural youth		05		55				
E.F.		25		490				
Sponsored		4		125				
Total	**100**	**118**	**2000**	**2385**	**870**	**970**	**9730**	**8486**

Seed Production (q)			Planting material (Nos.)		
Target	Achievement	Distributed to farmers	Target	Achievement	Distributed to farmers
200	-	-	20000	17281	157

Summary of trainings (Jan- September, 2023) of KVK, G. B. Nagar

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	70	797	633	1430
Rural youths/Vocational	03	20	15	35
Extension functionaries	19	181	194	375
Sponsored Training	02	42	42	84
Vocational Training	02	36	14	50
Total	96	1076	898	1974

To enrich the knowledge of farmers and farm women of G B Nagar, KVK organises programmes on latest agro-technologies like: DRONE

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVK

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Nutrient Mgt.	Wheat	Assessment of water soluble fertilizers on wheat yield and cost of production (Rabi 2022-23)	1	5
Nutrient Mgt.	Paddy	Assessment of water soluble fertilizers and soil conditioner on Basmati paddy yield and cost of production (Kharif 2023)	1	5
Nutrient Mgt.	Wheat	Assessment of water soluble fertilizers on wheat yield and cost of production (Rabi 2023-24)	1	5
INM	Paddy	To assess the water soluble fertilizers on paddy yield and production	1	5
Varietal Evaluation	Horticulture	Assessment of High Yielding Variety of Fenugreek CB. PEB (Rabi 2022-23)	1	5
INM	Horticulture	Assessment of micronutrient (Zn & Bo) and Plant growth regulator (GA_3) on fruit yield of Brinjal cv. Pusa Shyamal.	1	5
INM	Horticulture	Assessment of micronutrients to improve the productivity of potato tubers (Rabi 2023-24)	1	5
Total			**07**	**35**

Summary of technologies assessed under livestock by KVK

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Backyard Poultry	Poultry	Evaluation of dual purpose breed *Cari–Nirbhik.*	01	05
Composite fish culture	Fisheries Sc.	Evaluation of composite fish culture technology	01	04
	Fisheries Sc.	Use of essential amino acids (EAA) & mineral mixture in fish farming.	01	06
Total			**03**	**15**

Summary of technologies assessed under various enterprises by KVK

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
Nutritional Security	Home Sc.	Evaluation of the effective supplementation of fortified wheat flour for improvement of Nutritional Status of Farm Women	01	05
Total			**01**	**05**

Summary of OFTs (Jan- September, 2023) of KVK, G. B. Nagar

Category	No. of Technology	No. of Trials	No. of Farmers
Technology Assessed			
Crops	03	03	15
Livestock	02	02	09
Vegetable	03	03	15
Total	08	08	39
Grand Total	08	08	39

Distribution and advisory on various OFTS by KVK scientists

I.B. TECHNOLOGY ASSESSMENT IN DETAIL

Nutrient Management

OFT-1 Assessment of water soluble fertilizers on wheat yield and cost of production (Rabi 2022-23)

Problem definition : High cost of production and low yield.

Technology Assessed: To assess the water soluble fertilizers on wheat yield and cost of production.

Table.

Technology Option	No. of trials	Yield (qt./ha)	Increase in yield (%)	1000 Grain wt. in gms	Net Return (Rs./ha)	B:C Ratio
T_1 - Farmers practice {150:60:0 kg/ha NPK}	05	46.8	-	42.5	45400.00	1.80:1
T_2 - 75% RFD (120:60:40 kg NPK/ha) as basal + 1 spray of NPK (0:52:34) @ 2.0 kg/acre + nano urea @ 0.5 lt/acre		48.2	3.0	43.0	49650.00	2.10:1

Note: Yield decrease under both treatment due to heavy rain in month of March and April, 2023
Cost of Production under T_1 -Rs. 25200.00 and T_2 -Rs 23500.00

KVK conducted an on farm trial to assess the effect of water soluble fertilizer on wheat yield and its economics. The application of 75% of recommended fertilizer dose as basal (RFD-120:60:40 kg/ha NPK) and 1 foliar application of water soluble NPK (0:52:34) @ 2.0 kg/acre + 1 spray of nano urea @ 0.5 l/acre gave 3.0 % higher yield farmers practice and gave Rs. 0.30 extra benefit over farmer practice. The foliar application of water soluble NPK at the time of panicle emergence increased test weight. Application of nano urea after 1st irrigation did not show a significant visual effect on growth.

Photographs

Field day on Wheat trial

Nutrient Management

OFT-2 Assessment of water soluble fertilizer and soil conditioner on Basmati paddy yield and quality (Kharif, 2023)

Problem definition: Lower productivity and profitability in paddy cultivation due to imbalance use of nutrients and high cost of production.

Technology Assessed: To assess the water soluble fertilizers on paddy yield and cost of production.

Table.

Technology Option	No. of trials	Yield (qt./ha)	Increase in yield (%)	No. of filled Grain /ear head	Net Return (Rs./ha)	B:C Ratio
T_1 - Farmers practice {120:60:0 kg/ha NPK}	05	40.0	-	38	32900.00	1.50
T_2 - 75% RFD (120:60:40:25 kg NPKZn/ha) as basal +Soil conditioner@ 4.0 kg/acre + 2 spray of NPK (0:52:34) @ 2.0 kg/acre		42.5	6.1	46	40600.00	1.80

Soil Testing Result of Soil Sample of Basmati paddy

pH	EC (dS/m)	Organic Carbon %	Available Phosphorus (Kg/ha)	Available Potash (Kg/ha)
7.2 - 8.5	0.21 – 0.79	0.32 – 0.55	15.5 – 32.7	169 – 232

RFD – Recommended Fertilizer Dose

KVK conducted an on farm trial to assess the effect of water soluble fertilizer on basmati paddy and its economics. The application of 75% of recommended fertilizer dose as basal (RFD-120:60:40:25 kg/ha NPKZn) and application of soil conditioner along with 2 foliar application of water soluble NPK (0:52:34) @ 2.0 kg/acre gave 6.1 % higher yield over farmers practice. The foliar application of water soluble NPK at the time of panicle emergence positively increased no. of filled grain/ear head. By the technology assessed, farmer gets Rs. 0.30 extra benefit over farmer practice.

Photographs

Farmer Practice

***75%* RFD (120:60:40:25 kg NPKZn/ha) as basal + Soil conditioner@ 4.0 kg/acre + 2 spray of NPK (0:52:34)**

OFT-3 Assessment of water soluble fertilizers on wheat yield and cost of production (Rabi 2023-24)

Problem definition : High cost of production and low yield.

Technology Assessed: To assess the water soluble fertilizers on wheat yield and cost of production.

Table.

Technology Option	No. of trials	Yield (qt./ha)	Increase in yield (%)	1000 Grain wt. in gms	Net Return (Rs./ha)	B:C Ratio
T_1 - Farmers practice {150:60:0 kg/ha NPK}	05	Result awaited				
T_2 - 75% RFD (120:60:40 kg NPK/ha) as basal + 1 spray of NPK (0:52:34) @ 2.0 kg/acre + nano urea @ 0.5 lt/acre						

OFT-4: INTEGRATED NUTRIENT MANAGEMENT *(Kharif 2023)*

Problem definition Lower productivity and profitability in paddy cultivation due to imbalance use of nutrients and high cost of production.

Technology assessed or refined To assess the water soluble fertilizers on paddy yield and production.

No. of Farmers 05

Table: Performance of paddy.

Technology Option	No. of trials	Yield (q/ha.)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T_1 – Farmers practice (120:60:40 N:P:K Kg/ha.) (PB - 1692)	05	42.92	-	73586	1:2.57
T_2 - 75% RFD (120:60:40:25 kg NPKZn/ha) as basal + 2 spray of NPK (0:52:34) @ 2.0 kg/acre **Sale Rate- 2800/q**		49.45	15.21	90780	1:2.90

Recommendation The data showed in table that T_2 (Use of Neno urea fertilizer in paddy crop. T_2 is found best for proper nutrient. This treatment is able to increase the crop production as compared to T_1.

Farmers reactions Application of fertilizers on the basis of soil testing increase the yield in paddy crop.

Date of Sowing & harvesting 15-18 July. 2023 & 25-30 Oct. 2023

Photographs

OFT-5 Evaluation of the effective supplementation of fortified wheat flour for improvement of Nutritional Status of Farm Women (Identified Fortificants)

Problems identified: Low Nutritional Status and malnutrition of farm Women

Thematic area: Nutritional Security

Technology assessed: Assessment of the effective supplementation of Fortified wheat flour (75%) + Gram Flour (20%) + Barley Flour (5%) for 180 days to farm women.

Technology Option	No. of Trials	physical parameters	Nutritional Parameters	Sensory Parameters
T_1: Framer's common practice (Use of Wheat flour only)	05	Results Awaited		
T_2: Fortified wheat flour (75%) + Gram Flour (20%) + Barley Flour (5%) for 180 days to farm women aged 25 - 35 years (Sedentary worker)				



Height, weight and hemoglobin estimation for assessment of nutional status of farm women

Input distribution for fortification of wheat flour with gram Flour and barley Flour

OFT-6 Assessment of improved and high yielding variety of Fenugreek cv. Pusa Early Bunching. (Rabi-2022-23)

Problems identified: Lower yield and net return due to use of old and local variety of fenugreek.

Technology Assessed: To assesses the yield performance of fenugreek variety cv. Pusa Early Bunching

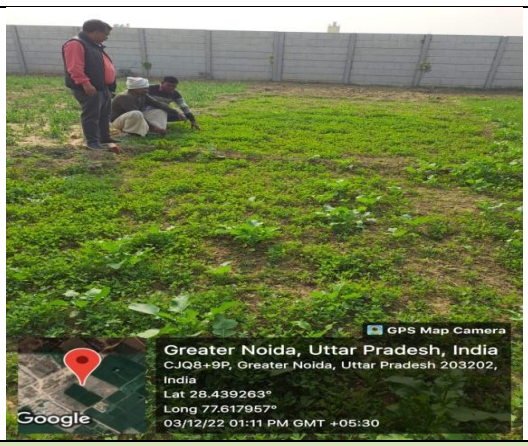
Table Assessment of improved and high yielding variety of Fenugreek cv. Pusa Early Bunching

Technology Option	No. of trials	Yield (qt./ha)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T_1 - Farmers practice (use of old and local variety of fenugreek)	05	34.8	-	31600.00	1.30
T_2 - (Use of higher yielding variety of fenugreek)		46.5	12.64	57831.00	2.10

KVK GB Nagar conducted an On Farm Trial on varietal assessment of fenugreek because cultivators was getting lower yield and less net return due to use of old and local variety. PEB variety having higher yield potential, dwarf, quick growing, early maturing, upright shoot pattern, etc. Five trails were conducted in farmer's fields with significant results, the production of PEB was found quite effective in term of high yield as compared to farmer's practice (local fenugreek variety), the yield of PEB was (46.5 qt./ha) yield over local check (34.8 qt./ha. and Net Return (Rs. 57831.00 /ha) along with B:C Ratio2.10.

Photographs

Provided Fenugreek seeds to the farmers



Observation of fenugreek trial

OFT-7 Assessment of micronutrient (Zn & Bo) and Plant growth regulator (GA_3) on fruit yield of Brinjal cv. Pusa Shyamal. (Kharif-2023)

Problems identified: *Lower fruit yield and net return due to non-use of micronutrient & PGR and local variety of brinjal.*

Technology Assessed: *To assesses the higher yield performaning variety cv. Pusa Shyamal with application of micronutrient and plant growth regulators.*

Table:

Technology Option	***No. of trials***	***Yield (qt./ha)***	***Increase in yield (%)***	***Net Return (Rs./ha)***	***B:C Ratio***
T_1- *Farmers practice (Non-use of micronutrient & PGR and local variety of Brinjal)*	*05*	*287.32*	*-*	*48540*	*1:1.89*
T_2- *Use of micronutrients(Zn + Bo)+ PGR (GA_3)*		*336.04*	*11.7*	*67643*	*1:2.81*

Seed distribution

Vegetative growth of brinjal

OFT-8 Assessment of micronutrients to improve the productivity of potato tubers (Rabi 2023-24)

Problems identified: *Lower productivity of potato.*

Technology Assessed: *To assesses the micronutrients to improve the productivity of potato tubers*

Table:

Technology Option	*No. of trials*	*Yield (qt./ha)*	*Increase in yield (%)*	*Net Return (Rs./ha)*	*B:C Ratio*
T_1- *Farmers practice (No-recommended application of NPK (80:60:0) + no/less use of micronutrients)*	*05*	***Result awaited***			
T_2- *75% RDF (150:120:100) applied by farmers + 5.0 ton FYM (applied by farmer + micronutrients (Zn@5.0kg/ha + Bo@4.0 kg/ha + Sulphur 15.0 kg/ha)*					

Potato OFT field observation

OFT-9 Evaluation of composite aquaculture technology

Problem definition: Low yield of fish in culture ponds/ extensive aquaculture

Technology Assessed: Composite fish culture

Table -

Technology Option	No. of trials	Yield/Area	Amount (Rs.)	% increase
T_1 - Farmers practice of cultivating 1-3 fish species	04	Result awaited		
T_2 – Catla: Silver Carp -20:15 (35%) Rohu: Grass Carp- 25:10 (35%) Mrigal/ Nain: Common Carp- 15:15 (30%)				

Distribution and sampling of fish species

Farmer's Observation -

The farmers have observed compatible growth of the stocked fish species. The farmers are providing supplementary feed along with natural food present in the pond.

OFT-10 Use of essential amino acids (EAA) & mineral mixture in fish farming (with special reference to winters)

Problem definition: Low growth rate and more time taken to harvest fishes.
Technology Assessed:

Table -

Technology Option	No. of trials	Yield/Area	Amount (Rs.)	% increase
T_1 - Farmers practice: No use of essential AA and mineral mixture in fish feed	06	Result awaited		
T_2 – Use of essential AA and mineral mixture in fish feed@ 1 gm/kg				

OFT-11 Evaluation of improved backyard poultry breed

Problem definition: Low productivity and profitability of desi breed in backyard poultry.

Technology Assessed: *Use/Evaluation of dual purpose breed (Cari-Nirbheek).*

KVK, Gautam Buddh Nagar conducted trial to find out suitable breed for backyard poultry.

Assessment of Backyard poultry

Technology Option	***No. of replication***	***Egg yield/month / bird***	***Body wt (kg)***	***Gross cost/ bird (Rs.)***	***Gross return/ bird (Rs)***	***B:C ratio***
Farmer's practice (desi breed)	05	08	0.94	100	160	1.45:1
Use of dual purpose breed (Cari-Nirbheek) and supplementary feeding (30 gm feed/day/bird)		14	1.75	145	280	1.93:1

According to above parameter analysis Cari-Nirbheek breed shows better performance in terms of productivity and profitability.

Photographs

Chicks provided to farmer

Awareness programme for farmers

Birds at farmers field

II. FRONTLINE DEMONSTRATION

a. Follow-up for results of FLDs, implemented during previous years (2022-23)

List of technologies demonstrated during previous year and popularized during 2022-23 and recommended for large scale adoption in GB Nagar

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 in ha
1	Green gram	ICM	Package of agronomy practices for maximum production of green gram.	Demonstration, Training, Gosthi and Field day	168	2618	1558.0
2	Mustard	ICM	Package of agronomy practices for maximum production of mustard (var. RH-749)	Demonstration, Training, Gosthi and Field day	142	2128	985.0
3	Wheat	Weed management	Weedicide Clodinafop 9%+Metribuzine20%@ 240 gm/acre	Training and Gosthi	18	332	180.0
4	Paddy	INM	Balanced fertilizer(Daincha (GM) + *:60:60:25) * Rest of nitrogen through urea up to 120 kg.	Demonstration, Training and Gosthi	38	360	448.0
5	Wheat	INM	Effect of secondary nutrient and micronutrient on wheat	Demonstration, Training and Gosthi	35	175	80.0
6	Paddy (PB)	Varietal Evaluation	Variety Pusa Basmati 1692	Demonstration, Training and Gosthi	30	200	90.0
7	Wheat (PB)	Varietal Evaluation	Variety HD-3086, DBW-88	Demonstration, Training and Gosthi	32	350	200.0
8	Ferti seed drill (AE)	Sowing methods	Sowing of wheat through ferti-seed-drill	Demonstration, Training and Gosthi	22	68	6.0
9	Laser leveler	RCT	Importance & use of laser levellor	Demonstration, Training and Gosthi	14	70	18.0
10	Ferti seed drill (AE)	Sowing methods	Sowing of wheat through ferti seed drill	Demonstration, Training and Gosthi	22	82	22.0

b. Details of FLDs implemented during Jan 2023 to December 2023

SN	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	Package of agronomy practices for max. production	Rabi 23-24	20.0	20.0	07	40	50	-
2	Green gram	ICM	Package of agronomy practices for max. production	Zaid 2023	10.0	10.0	02	24	26	-
3	Black gram	ICM	Package of agronomy practices for max. production	Kharif 2023	10.0	10.0	02	23	25	-
4	Wheat	Varietal evaluation	Demonstration on HYV of wheat DBW-222	Rabi 22-23	2.0	2.0	00	05	05	-
5	Wheat	Varietal evaluation	Demonstration on HYV of wheat DBW-187	Rabi 22-23	2.0	2.0	01	04	05	-
6	Wheat	Varietal evaluation	High yielding good quality chapatti variety K-1317	Rabi 23-24	2.0	2.0	01	04	05	-
7	Wheat	Weed mgt.	Demonstration of new weedicide (Clodinafop 9% + Metribuzine 20% @ 240 gm/acre)	Rabi 22-23	2.0	2.0	00	05	05	-
8	Paddy	Weed management	Demonstration of new weedicide (Phenoxulum 21.7% @ 50ml/acre)	Kharif 2023	6.0	6.0	2	13	15	-
9	Pearl millet	Varietal Evaluation	Demonstration of hybrid peral millet (Var – PH-633)	Kharif 2023	4.0	4.0	0	10	10	-
10	Paddy	INM	Use of water soluble fertilizers in paddy crop 19:19:19@12.5 kg/ha	Kharif 2023	4.0	4.0	-	10	10	-
11	Vegetable	Nutritional Garden	Nutritional Garden	Zaid 2023	-	-	-	5	5	
12	Vegetable	Nutritional Garden	Nutritional Garden	Kharif 2023	-	-	8	22	30	
13	Onion	Varietal Evaluation	Performance of high yielding variety of onion Var. – Agri-found Light Red	Rabi 22-23	2.0	2.0	0	05	05	-
14	Bottle	Varietal Evaluation	Demonstration of high yielding variety of Bottle Guard va. ‘Pusa	Zaid 2023	2.0	2.0	6	7	13	

	gourd		Naveen'							
15	Onion	Varietal Evaluation	Demonstration of higer yielding red color variety of onion (NHRDF Red – 4)	Rabi 23-24	1.5	1.5	2	3	5	-
16	Carrot	Varietal Evaluation	Demonstration of high antioxidant with high yield potential variety of carrot cv. Pusa Rudhira	Rabi 23-24	2.0	2.0	1	4	5	-
17	Fish	Supplementary feeding	Use of Vitamin C in supplementary feeding of fish	2023	-	-	01	03	04	-
18	Fish	Composite fish culture	Use of mineral mixture for water quality management in ponds	2023	-	-	02	08	10	-
19	Berseem	Fodder mgt	To increase yield through HYV - BL-10	Rabi 22-23	1.0	1.0	0	10	10	-
20	Buffalo	Animal Nutrition mgt	Use of mineral mixture @ 50 gm/day/ animal + deworming 2-3 times in a year	2023	-	-	2	8	10	-
21	Buffalo	Disease mgt	Use of masti out plus kit	2023	-	-	5	10	15	-

Details of farming situation

SN	Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing /transplanting /application date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
					N	P	K					
1	Mustard	Rabi 2022-23	Irrigated	Loam and sandy loam	Low	Medium	Medium	Paddy	08-17.10.22	16-28.03.23	65	07
2	Green gram	Zaid 2023	Irrigated	-do-	Low	Medium	Medium	Paddy	26.04.2023 to 10.05.2023	25.06.2023 to 12.07.2023	38	06
3	Black gram	Kharif 2023	Irrigated	-do-	Low	Medium	Medium	Sorghum	06-28.08.23	12-22.10.23	452	16
4	Wheat	Rabi 2022-23	Irrigated	-do-	Low	Medium	Medium	Paddy	14-22.11.22	22.04.23 to 10.05.23	280	09
5	Wheat	Rabi 2022-23	Irrigated	-do-	Low	Medium	Medium	Paddy	14-22.11.22	22.04.23 to 10.05.23	280	09
6	Wheat	Rabi 2022-23	Irrigated	-do-	Low	Medium	Medium	Paddy	14-22.11.22	22.04.23 to 10.05.23	280	09

7	Wheat	Rabi 2023-24	Irrigated	-do-	Low	Medium	Medium	Paddy	08-18.11.23			
8	Paddy	Kharif 2023	Irrigated	-do-	Low	Medium	Medium	Green gram / fallow	18-22.06.23	14-24.10.23	582	21
9	Pearl millet	Kharif 2023	Irrigated	-do-	Low	Medium	Medium	Fallow	04-18.07.23	12-18.10.23	490	17
10	Paddy	Kharif 2023	Irrigated	-do	Low	Medium	Medium	Fallow	15-20.06.23	10-22.10.23	582	21
11	Nutritional garden	Zaid 2023	Irrigated	-do-	Low	Medium	Medium	Paddy	11-15.12.22	April, 2023	25	04
12	Nutritional garden	Kharif 2023	Irrigated	-do-	Medium	Medium	Medium	Paddy	16-28.10.2022	01.12.2022 to 25.04.2023	55	05
13	Onion	Rabi 2022-23	Irrigated	-do-	Low	Medium	Medium	Bottle gourd	20-25.09.22	12-18.03.23	225	6
14	Bottle gourd	Zaid 2023	Irrigated	-do-	Low	Medium	Medium	Cauliflower	22.02.23 to 04.03.23	22-30.05.23	180	6
15	Onion	Rabi 2023-24	Irrigated	Loam	Low	Medium	Medium	Paddy	Nov., 2023	March, 24		
16	Carrot	Rabi 2023-24	Irrigated	Loam & sandy loam	Low	Medium	Medium	Paddy	Nov., 2023	15.01.24 to 15.02.24		
17	Fish	2023	Irrigated	-	Low	Medium	Medium	Wheat	27.02.2023-28.03.2023	-	12	03
18	Fish	2023	Irrigated	-	Low	Medium	Medium	Wheat				
19	Berseem	Rabi 2022-23	Irrigated	-do-	Low	Medium	Medium	Sorghum	20-25.10.22	12-18.04.23	225	6

Summary of FLDs (Jan- September, 2023) of KVK, G. B. Nagar

Enterprise	No. of Farmers	Area (ha)
Oilseeds (CFLD)	50	20.0
Pulses (CFLD)	51	20.0
Cereals	50	20.0
Vegetables	18	4.0
Other crops (Fodder-Berseem)	10	1.0
Total	179	65.0
Livestock & Fisheries	29	-
Other enterprises (Kitchen Garden)	35	0.35
Grand Total	243	65.35

Distribution and advisory on various FLD by KVK scientists

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD during 2022-23)

SN	Crop	Feed Back for researchers	Feedback for line department
1	Wheat	Clodinofop 9% + Metribuzine 20% found effective for total weed control in wheat.	ACM-9 would be better option for weed control in wheat which is sown after harvesting of paddy. It should be wide spread through Kisan Gosthies
2	Paddy	Phenoxulum @50 ml /acre is effective as and when applied 10-15 DAT.	Agri. Dept. should ensure the availability of Phenoxulum at plant protection unit of block.
3	Onion	Higher rate of seed germination and healthy seeding	Excellent growth and yield of ALR could be better selection for farmers and wider scopes of market.Proposed for growing in Rabi season
4	Onion	Higher yield performance than cultivated previously.	
5	Fish	Research on use of different vitamin C rich fruits and vegetable in aquaculture can be performed to provide cheaper alternative of the vitamin C.	Farmers may be provided cheaper solutions for Vitamin C requirement. Awareness regarding balanced fish diet for more profit of fish farmers.

Technical feedback on specific technologies demonstrated in FLDs

SN	Feed Back
1	For weed control in wheat Clodinofop 9% + Metribuzine 20% found most effective to control broad as well as narrow leaved and grassy weeds.
2	Variety Giriraj performed very good in case of yield and oil content.
3	At seedling stage:-observed very less of mortality rate (17/20) and higher percent of germination (91.3%), early transplanting (40-46 DAS)
4	At growth stage:- early growth noticed (45-60 DAT), higher neck thickness (2-2.2 cm), bulb diameter (4-5.4 cm),
5	At harvesting:- early maturing noticed (115-125DAT),attractive light red bulbs, globular round in shape with tight skin, reddish thick inner scales, major insect like thrips and purple blotch disease has not seen in any farmers trails etc.
6	Feed consumption increased, leading to less feed wastage, fish active and fast growth. No sign of any disease.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Number of participants	Remarks
1	Field days	12	285	-
2	Farmers Training	9	180	-
3	Media coverage	10	Mass	-
4	Training for extension functionaries	6	120	-

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name	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																								
Rabi 2022-23	ICM	Package of agronomy practices for max. prodn.	Giriraj	50	20.0	No. of branches/ plant	21	16	19	17	12	21.8	18.5	20.5	17.2	19.2	39500	118750	79250	3.00:1	37800	103800	66000	2.60
						Oil per cent	34	32	33	30	10													
Rabi 2023-24	ICM	-do- + Sulphur	RH-749	20	20.0		**Result awaited**																	

CFLD on Mustard

Frontline demonstration on pulse crops (Cluster demonstration)

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name	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												
							High	Low	Average			High	Low	Average	Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Greengram																								
Zaid 2023	ICM	Package of agronomy practices for max. production	Shikha	50	20.0	Days to maturity	58	54	55	68	-	10.8	8.3	9.25	8.20	12.8	42325	53650	11325	1.30:1	39825	47570	7735	1.20
Blackgram																								
Kharif 2023	ICM	-do-	Shekhar -2	50	20.0	No. of grain/pod	11	9	10	8	25	11.0	8.0	9.0	8.4	7.1	31800	64800	33000	2.00	30800	58800	28000	1.85

Soil Testing Result of Soil Sample of Green Gram Demonstration Field

pH	EC	Organic Carbon %	Available Phosphorus	Available Potash	Available Sulphur	Available Zinc	Available Iron
6.5 - 7.7	0.14 – 0.79	0.18 – 0.75	9.2 – 39.7	139 – 206	10.2 – 18.5	1.4 – 4.7	1.3 – 3.68

CFLD on Green gram (Moong)

CFLD on Black gram (Urd)

FLD on Other crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name	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												
							High	Low	Average			High	Low	Average	Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cereals																								
Paddy																								
Scented Rice																								
Kharif 23	Weed mgt.	Demonstration of new weedicide (Phenoxulum @ 50ml/acre)	PB-1121	15	6.0	No. of weeds/m^2	12	6	9	14	35.7	42.5	37.5	38.80	36.50	6.3	85300	195200	109900	2.30	82800	171500	88700	2.10
Paddy*	INM.	Use of water soluble fertilizers in paddy crop 19:19:19@12.5 kg/-ha	PB - 1692	10	4.0	-	-	-	-	-	-	48.95	42.96	45.95	43.28	13.94	47595	128,660	81065	1:2.70	46480	121,184	74704	1:2.60
Pearl Millet																								
Kharif 23	Varietal Evaluation	Demonstration of hybrid pearl millet	PH-622	10	4.0	Ear head length (cm)	42	36	38	34	11.8	26.2	22.8	25.5	21.0	21.4	17500.00	65750.00	48250.00	2.8:1	15125.00	54300.00	39175.00	2.60:1

Wheat																							
Rabi 2022-23	Weed mgt.	ACM-9 (Clodinofob 9% + Matribuzine 20% @ 240 gm/acre)	HD-2967, DBW-0187	05	2.0	No. of weeds/ m^2	18	14	15	21	28.6	52.00	46.00	48.6	43.8	11.0	68500	115985	47485	1.70:1	67200	104505	37305	1.50:1
Wheat Timely sown																							
Wheat (Rabi 22-23)	Varietal Evalu-ation	HYV demonstration	DBW-0187	05	2.0	No. of tillers/m^2	104	91	95	78	21.8	52.80	48.0	50.5	43.8	15.3	68500	120900	52400	1.75:1	67200	104505	37305	1.50:1
Wheat (Rabi 22-23)	Varietal Evalua-tion	HYV demonstration	DBW-222	05	2.0	No. of tillers/m^2	106	94	98	78	25.6	52.50	47.0	51.0	43.8	11.0	68500	122800	54300	1.80:1	67200	104505	37305	1.50:1
Wheat (Rabi 23-24)	Varietal Evaluati on	High yielding good chapatti quality	K-1317	05	2.0	Result awaited																	
Vegetables																							
Onion																							
Rabi 2022-23	Varietal evaluation	Demonstration of high yielding variety of Onion va. 'Agrifound Light Red'	Agrifound Light Red	05	2.0	Equatorial diameter (mm) Polar diameter (mm)	66.21 ED (mm) 60.89 PD (mm)	36.52	44.95 ED (mm) 27.9PD (mm	29.6. ED (mm) 25.7PD (mm	287.0	258.0	251.6	213.4	17.90	64,685.0	240500.0	175815.0	2.71	59432.0	168400.0	108968.0	1.83

Rabi 2022-23	Berseem	Fodder Crops	Rabi 2023-24	Carrot	Rabi 2023-24	Onion	Zaid 23	Bottle gourd
Fodder production			Varietal evaluation		Varietal evaluation		Varietal evaluation	
HYV for max production Mascavi			Demonstration of high antioxidant with high potential variety of carrot		Demonstration of high yielding variety of Onion var.		Demonstration of high yielding variety of Bottle Guard variety 'Pusa Naveen'.	
Mascavi			Pusa Rudhira		NHRDF Red-4		'Pusa Naveen'	
10			05		05		13	
1.0			2.0		1.5		2.0	
No. of cutting							Average Fruit Weight (g)	
5							532.4 gm	
4							498.6 gm	
4							507.1 gm	
3							387.7 gm	
25								
810							189.60	
760							158.21	
780			**Result awaited**		**Result awaited**		174.38	
650							159.04	
20							**15.34**	
23500							64460.42	
98900							186232.54	
75400							168524.21	
3.2:1							**2.62**	
21800							46321.48	
77500							96530.02	
55700							63252.40	
2.6:1							**1.37**	

*Sale Rate 2800/q

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

S. No	Feed Back for researchers	Feedback for line department
1	Higher rate of seed germination and healthy seedings	Excellent growth and yield of ALR could be better selection for farmers and wider scopes of market. Proposed for growing in Rabi season
2	Higher yield performance than cultivated previously.	

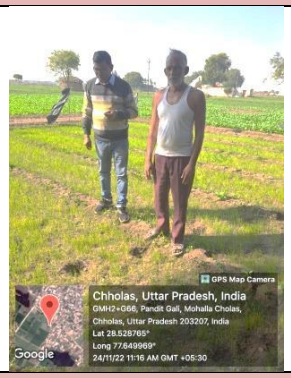
Technical feedback on specific technologies demonstrated in FLDs

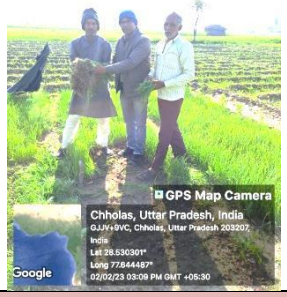
S. No	Feed Back
1	At seedling stage:- observed very less of mortality rate (17/20) and higher percent of germination (91.3%), early transplanting (40-46 DAS)
2	At growth stage:- early growth noticed (45-60 DAT), higher neck thickness (2-2.2 cm).
3	At harvesting:- early maturing noticed (115-125 DAT), bulb diameter (4-5.4 cm) attractive light red bulbs, globular round in shape with tight skin, reddish thick inner scales, major insect thrips and purple blotch disease not seen in any farmers trails, etc

Photographs of different FLDs

Field day at FLD fields

Performance of hybrid peral millet and other millets under FLD





Onion FLD seed distribution and seedling at farmers field

Bottle gourd seed distribution | **Vegetative growth of bottle gourd**

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<tr>
<td colspan="2">Onion demonstration</td>
<td colspan="2">Carrot demonstration</td>
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<td colspan="2">Berseem Seed distribution under Fodder FLD</td>
<td colspan="2">Berseem field</td>
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FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Yield (Kg/animal) or No. of eggs/bird)		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Buffalo	Animal Nutrition Management	Use of mineral mixture @ 50 gm/day/ animal + dewormer 2-3	10	10	Milk yield – 9.2 lt/day	Milk yield – 8.1 lt/day	13.6	conception after parturition (60 days) - 9	conception after parturition (60 days) - 3	185/day	414/day	229/day	1.2	177/day	365/day	188/day	1.06
	Diseae mgt.	Use of masti out plus kit	15	15	Cured animal – 14	Cured animal – 0	93.33	Milk yield – 9.0/day	Milk yield – 6.5/day	192/day	405/day	213/day	1.10	177/day	292/day	115/day	0.65

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

S. No	Feed Back for researchers	Feedback for line department
1	Mineral mixture should be area specific and in liquid formulation also.	Mineral mixture should be popularized through Kisan gosthi for wider adaptation Availability of mineral mixture must be ensured at cooperative society and block level.

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	Milk yield and conception rate affected significantly after supplementing of mineral mixture.

Distribution of Mineral Mixture and Dewormer to farmers

Masti-out Plus kit distribution to farmers

FLD on Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Carp fry and fingerling rearing																	
	Supplementary feeding	Use of Vitamic C in supplementary feeding of fish	**04**	**04**			**Result awaited**										
	Composite fish culture	Use of mineral mixture for water quality management in ponds	**10**	**10**	TDS, pH, Alkalinity, DO, Tem., EC, Color, Smell	TDS, pH, Alkalinity, DO, Tem., EC, Color, Smell	**Result awaited**										



Distribution of critical input and advisory visit of scientist to fish ponds

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

S. No	Feed Back for researchers	Feedback for line department
1	Research on use of different vitamin C rich fruits and vegetable in aquaculture can be performed to provide cheaper alternative of the vitamin C.	Farmers may be provided cheaper solutions for Vitamin C requirement. Awareness regarding balanced fish diet for more profit of fish farmers.

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	Feed consumption increased, leading to less feed wastage, fish active and fast growth. No sign of any disease.
2	Advisory visit to farmers pond reveal improvement in physical and chemical water parameters.

FLD on Other Enterprise: Nutritional Garden

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)
Seasonal Vegetables Zaid, 2023	Household Food Security	Nutritional Garden	**05**	**05**	141.6	91.3	55.1	-	-	544.2	3465	2921	1:6.37	664	2169.5	1505.5	1:3.37
Seasonal Vegetables Kharif, 2023	Household Food Security	Nutritional Garden	**30**	**30**	171.13	108.9	57.114	-	-	618.66	4058.45	3439.79	1:6.56	902	2955.5	2053.5	1:3.27

Zaid, 2023 (Torai, Brinjal, Bitter gourd, Tinda, Cucumber, Okra, French bean, Spinach, Coriander)

Kharif, 2023 (Bottle Gourd, Torai, Chakai, Tomato, Cucumber, Okra, Lobia, Gwarphali, Spinach)




Seed and nutritional garden photographs

III. Natural Farming

1) Crop Harvesting Details

Name of KVK	Crop Details Under Demonstration										Date of Sowing	Date of Harvesting
	Natural farming					Farmer's Practice						
	Name of Crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)	Name of crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)		
GB Nagar	Wheat	DBW-173	0.4	12.5	12800.00	Wheat	DBW-173	0.4	18.3	26500.00	21.12.22	12.04.23

2) Preliminary Soil Data of Natural Farming Field

Name of KVK	Soil data of Demonstrated/KVK Plot	Soil Analysis				Micronutrients				Microbial Analysis				
		N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Organic Carbon (%age)	Ca (Kg/ha)	Mg (Kg/ha)	Zn (Kg/ha)	Others	Bacterial count (Nos.)	Fungi (Nos.)	Actinomycetes (Nos.)	Phosphorus Solubilizer (Nos.)	N Fixers (Nos.)
GB Nagar	**pH-8.8, EC-0.415 milimos/m**	**280**	**16.3**	**139**	**0.24**	**-**	**-**	**1.1 mg/kg**	**S – 8.1 kg/ha**	**-**	**-**	**-**	**-**	**-**

IV. Training Programme (January to December, 2023)

Farmers' Training including sponsored training programmes (On campus)

Thematic area	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	Irrigation and weed mgt. in paddy nursery	1	16	-	16	4	-	4	20	-	20
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification											
Integrated Farming											
Micro Irrigation/irrigation											
Seed production											
Nursery management											
Integrated Crop Management	Agronomic practices of mustard production for higher oilseed production.	1	18	-	18	2	-	2	20	-	20
Soil & water conservation											
Integrated nutrient management	Pesticide residue fee basmati production technology	1	18	-	18	2	-	2	20	-	20
Production of organic inputs											
Others (Millet prodn.)	Cultivation of millets in summer and their processing	1	18	-	18	2	-	2	20	-	20
Total		**4**	**70**	**-**	**70**	**10**	**-**	**10**	**80**	**-**	**80**
II Horticulture											
a) Vegetable Crops											
Production of low value and high volume crops	Use of plastic and crop residues mulch in vegetable crop production	1	0	12	12	0	8	8	0	20	20
Off-season vegetables											
Nursery raising	Garden Keeper (AGR/Q0812)	1	12	10	22	2	1	3	14	11	25
Exotic vegetables											
Export potential vegetables	Bower technique in cucurbitaceous vegetable crops	1	1	-	1	19	-	19	20	0	20
Grading and standardization											
Protective cultivation											

Others (pl specify)											
Total (a)		**3**	**13**	**22**	**35**	**21**	**9**	**30**	**34**	**31**	**65**
b) Fruits											
Training and Pruning											
Layout and Management of Orchards											
Cultivation of Fruit											
Management of young plants/orchards											
Rejuvenation of old orchards											
Export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
Others (pl specify)											
Total (b)											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others (pl specify)											
Total (c)											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (d)											
e) Tuber crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (e)											
f) Spices											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (f)											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											

Post harvest technology and value addition											
Others (pl specify)											
Total (g)											
GT (a-g)		**3**	**13**	**22**	**35**	**21**	**9**	**30**	**34**	**31**	**65**
III Soil Health and Fertility Management											
Soil fertility management											
Integrated water management	• Use of water soluble fertilizers in paddy	1	15	-	15	5	-	5	20	-	20
Integrated Nutrient Management											
Production and use of organic inputs	• Importance and role of bio-fertilizer	1	14	-	14	6	-	6	20	-	20
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Balance use of fertilizers											
Soil and Water Testing											
Others (pl specify)											
Total		**2**	**29**	**-**	**29**	**11**	**-**	**11**	**40**	**-**	**40**
IV Livestock Production & mgt.											
Dairy Management											
Poultry Management											
Piggery Management											
Rabbit Management											
Animal Nutrition Management											
Disease Management	• Major disease in dairy animal: their symptom and preventive measures	1	14	02	16	04	-	04	18	02	20
Feed & fodder technology											
Production of quality animal products											
Others (cow based natural farming)	• Cow based natural farming (Zero budget farming)	3	44	-	44	10	06	16	46	14	60
Total		**4**	**58**	**02**	**60**	**14**	**06**	**20**	**64**	**16**	**80**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Development, maintenance and importance of Nutritional Garden	01	-	08	08	-	12	12	-	20	20
Design and development of low/minimum cost diet											
Designing and development for high nutrient											

efficiency diet											
Minimization of nutrient loss in processing											
Processing and cooking	Post-harvest management of vegetables after harvesting / Employment generation among illiterate / rural women through trainings on processing and preservation of fruits and vegetables	2	-	25	25	-	20	20	-	45	45
Gender mainstreaming through SHGs											
Storage loss minimization techniques											
Value addition	Value addition of Mango	01	-	09	09	-	11	11	-	20	20
Women empowerment	Employment generation among illiterate / rural women through trainings on Preparation of different household products (making of Soap and Candles) / Employment generation among illiterate/rural women through trainings on block printing and tie and dye technique.	02	-	20	20	-	30	30	-	50	50
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care											
Others (pl specify)											
Total		**06**	**0**	**62**	**62**	**0**	**73**	**73**	**0**	**135**	**135**
VI Agril. Engineering											
Farm Machinery and its maintenance											
Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices											
Production of small tools and implements											
Repair and maintenance of farm machinery and implements											
Small scale processing and value addition											
Post-Harvest Technology											
Others (Pl Specify)											
Total											
VII Plant Protection											
Integrated Pest Management											
Integrated Disease Management											

Bio-control of pests and diseases											
Production of bio control agents and bio pesticides											
Others (pl specify)											
Total											
VIII Fisheries											
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing	Preparation of conventional & unconventional fish feeds	1	-	1	1	-	19	19	-	20	20
Composite fish culture	Scientific mgt. of fish ponds	1	15	0	15	5	0	5	20	0	20
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes	Aquarium business: Scope & opportunities Prospects in ornamental aquaculture: Employment and innovation	2	13	21	34	2	9	11	15	30	45
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
Others											
Total		**4**	**28**	**22**	**50**	**7**	**28**	**35**	**35**	**50**	**85**
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production											
Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
Mushroom Production											

Apiculture											
Others (pl specify)											
Total											
X Capacity Building and Group Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
Others (pl specify)											
Total											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total											
GRAND TOTAL		**23**	**198**	**108**	**306**	**63**	**116**	**179**	**253**	**232**	**485**

Farmers' Training including sponsored training programmes (off campus)

Thematic area	**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	Irrigation and weed management in wheat	1	17	3	20	0	0	0	17	3	20
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification	Scientific cultivation and nutrient mgt of black gram, Scientific cultivation of green gram for dual purpose after harvest of wheat.	2	40	0	40	0	0	0	40	0	40
Integrated Farming											
Micro Irrigation/irrigation	Irrigation mgt in basmati rice	1	18	0	18	2	0	2	20	0	20
Seed production											
Nursery management	Paddy nursery raising technique for healthy seedling	1	19	0	19	1	0	1	20	0	20

Integrated Crop Management	Variety and sowing time of rapeseed and mustard	1	19	0	19	1	0	1	20	0	20
Soil & water conservation											
Integrated nutrient management	Nutrient mgt. in mustard, Improved varieties and plant nutrient mgt in mustard.	2	40	0	40	0	0	0	40	0	40
Production of organic inputs											
Others	Awareness program on millets for school children. Importance of millets and their production techniques. Scientific cultivation and advance production technology of millets crop.	3	48	0	48	12	0	12	60	0	60
Total		**11**	**201**	**3**	**204**	**16**	**0**	**16**	**217**	**3**	**220**
II Horticulture											
a) Vegetable Crops											
Production of low value and high volume crops											
Off-season vegetables	Scientific Production technology of melons	1	-	19	19	-	1	1	-	20	20
Nursery raising											
Exotic vegetables											
Export potential vegetables	Scientific Production technology of okra	1	2	12	14	4	2	6	6	14	20
Grading and standardization											
Protective cultivation	Protected cultivation: Production technique of Cucumber	1	0	2	2	0	18	18	0	20	20
Others (pl specify)											
Total (a)		**03**	**02**	**33**	**35**	**4**	**21**	**25**	**06**	**54**	**60**
b) Fruits											
Training and Pruning	Training and Pruning techniques of major fruit crops	1	0	0	0	11	9	20	11	9	20
Layout and Management of Orchards	Ago-Management practices in Guava and Lime orchards /Scientific approaches to establish fruit orchard and commercial fruit varieties	2	23	0	23	17	0	17	40	0	40
Cultivation of Fruit	Establishment of dragon fruit orchard and sapling propagation technique.	1	1	0	1	19	0	19	20	0	20
Management of young plants/orchards	Nutrient management practices in Guava and Lemon	1	0	20	20	0	0	0	0	20	20
Rejuvenation of old orchards											

Export potential fruits	Nutrition importance: Bio-fortified varieties of horticultural crops	1	20	0	20	0	0	0	20	0	20
Micro irrigation systems of orchards											
Plant propagation techniques											
Others (pl specify)											
Total (b)											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others (Production of low value and high valume crops)											
Total (c)		**6**	**44**	**20**	**64**	**47**	**9**	**56**	**91**	**29**	**120**
d) Plantation crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (d)											
e) Tuber crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (e)											
f) Spices											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (f)											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
Others (pl specify)											

Total (g)											
GT (a-g)		**9**	**46**	**53**	**99**	**51**	**30**	**81**	**97**	**83**	**180**
III Soil Health and Fertility Management											
Soil fertility management											
Integrated water management											
Integrated Nutrient Management	Foiar spray of liquid Neno urea in paddy / Foliar spray of water soluble fertilizers in paddy / Use of water soluble fertilizers in paddy / Use of sulphur in oilseed crops	4	54	-	54	26	-	26	80	-	80
Production and use of organic inputs	Use of jeeva amrit in paddy for natural farming / Importance of green manuring to improve soil health / Use of Ghan-jeevamrit in wheat for natural farming	3	21	-	21	39	-	39	60	-	60
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Balance use of fertilizers											
Soil and Water Testing											
Others (pl specify)											
Total		**7**	**75**	**0**	**75**	**65**	**0**	**65**	**140**	**0**	**140**
IV Livestock Production and Management											
Dairy Management	• Care and feeding of newly born calf • Control measure of endo ecto parasitic infestation • Importance of AI and mgt. of pregnant animal	3	60	0	60	0	0	0	60	0	60
Poultry Management											
Piggery Management											
Rabbit Management											
Animal Nutrition Management	• Use and importance of mineral mixture	1	20	0	20	0	0	0	20	0	20
Disease Management	• Infertility mgt. in dairy animals • HS disease: Its symptoms and preventive measures • Vaccination and deworming schedule	4	64	0	64	16	0	16	80	0	80

	in dairy animals • FMD: Its sypmtoms and preventive measures										
Feed & fodder technology	• Balanced feeding for dairy animal	1	0	02	02	0	18	18	0	20	20
Production of quality animal products	• Factor effecting the milk yield and composition of milk	1	20	0	20	0	0	0	20	0	20
Others (Please specify)	• Importance of indigenous cattle breed and their conservation	1	02	18	20	0	0	0	02	18	20
Total		**11**	**166**	**20**	**186**	**16**	**18**	**34**	**182**	**38**	**220**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening											
Design and development of low/minimum cost diet	Methods of preparation of Amylase Rich Food (ARF) and it's importance	01	-	14	14	-	06	06	-	20	20
Designing and development for high nutrient efficiency diet	Balanced diet for pregnant and lactating women / Importance of Inclusion of millets in daily Diet / Importance of Inclusion of millets in daily Diet of pregnant and lactating women	04	-	50	50	-	30	30	-	80	80
Minimization of nutrient loss in processing	Scientific method of Chaffing and cooking of food to minimize nutrient loss	01	-	19	19	-	01	01	-	20	20
Processing and cooking	Soybean : Importance in diet and it's Processing	01	-	20	20	-	0	0	-	20	20
Gender mainstreaming through SHGs											
Storage loss minimization techniques	Safe Grain Storage at Household Level to improve the keeping quality of grains	01	-	20	20	-	0	0	-	20	20
Value addition	Methods of preparation of different products from seasonal fruits and vegetables / Basic techniques of Millets processing	02	-	26	26	-	14	14	-	40	40
Women empowerment											
Location specific drudgery reduction technologies	Work simplification for farm women by using farm implements for their Drudgery Reduction	01	-	20	20	-	0	0	-	20	20
Rural Crafts											
Women and child care	Importance of Balanced Diet for maintaining	02	-	20	20	0	20	20	-	40	40

	Good Health / Malnutrition: Causes and Prevention										
Others (pl specify)											
Total		**13**	**0**	**189**	**189**	**0**	**71**	**71**	**0**	**260**	**260**
VI Agril. Engineering											
Farm Machinery and its maintenance											
Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices											
Production of small tools and implements											
Repair and maintenance of farm machinery and implements											
Small scale processing and value addition											
Post-Harvest Technology											
Others (Use of advanced agricultural implements)											
Total											
VII Plant Protection											
Integrated Pest Management											
Integrated Disease Management											
Bio-control of pests and diseases											
Production of bio control agents and bio pesticides											
Others (pl specify)											
Total											
VIII Fisheries											
Integrated fish farming	Opportunities in integrated fish farming	1	20	-	20	-	-	-	20	-	20
Carp breeding and hatchery management											
Carp fry and fingerling rearing	Fish feed mgt. in aqua-farming.	2	31	3	34	6	0	6	37	3	40
Composite fish culture	Composite aquaculture: The doorway to better profit / Controlling water pollution for fisheries and aquaculture.	2	23	20	43	-	-	-	23	20	43
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes	Aquarium business: Scope & opportunities	1	07	16	23	-	01	01	07	17	24

Portable plastic carp hatchery											
Pen culture of fish and prawn	.										
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition	Fish processing: Techniques and methods	3	0	24	24	0	39	39	0	63	63
Others (**Tilapia Culture**)	Scientific aspects of tilapia farming	1	20	0	20	0	0	0	20	0	20
Total		**10**	**101**	**63**	**164**	**6**	**40**	**46**	**107**	**103**	**210**
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production											
Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
Mushroom Production											
Apiculture											
Others (pl specify)											
Total											
X Capacity Building and Group Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											

Others (pl specify)											
Total											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total											
GRAND TOTAL		**61**	**589**	**328**	**917**	**154**	**159**	**313**	**743**	**487**	**1230**

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

Thematic area	**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	Irrigation and weed mgt. in paddy nursery	2	33	3	36	4	0	4	37	3	40
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification	Scientific cultivation and nutrient mgt of black gram, Scientific cultivation of green gram for dual purpose after harvest of wheat.	2	40	0	40	0	0	0	40	0	40
Integrated Farming											
Micro Irrigation/irrigation	Irrigation mgt in basmati rice	1	18	0	18	2	0	2	20	0	20
Seed production											
Nursery management	Paddy nursery raising technique for healthy seedling	1	19	0	19	1	0	1	20	0	20
Integrated Crop Management	Variety and sowing time of rapeseed and mustard / Agronomic practices of mustard production for higher oilseed production.	2	37	0	37	3	0	3	40	0	40
Soil & water conservation											
Integrated nutrient management	Pesticide residue fee basmati production technology./ Nutrient mgt. in mustard, Improved varieties and plant nutrient mgt in mustard.	3	58	0	58	2	0	2	60	0	60
Production of organic inputs											
Others (Pl. specify)	Cultivation of millets in summer and their processing/ Awareness program on millets for school children., Importance of millets and their production techniques. Scientific cultivation and advance production	4	66	0	66	14	0	14	80	0	80

	technology of millets crop.										
Total		**15**	**271**	**3**	**274**	**26**	**0**	**26**	**297**	**3**	**300**
II Horticulture											
a) Vegetable Crops											
Production of low value and high volume crops	Use of plastic and crop residues mulch in vegetable crop production	1	0	12	12	0	8	8	0	20	20
Off-season vegetables	Scientific Production technology of melons	1	-	19	19	-	1	1	-	20	20
Nursery raising	Garden Keeper (AGR/Q0812)	1	12	10	22	2	1	3	14	11	25
Exotic vegetables											
Export potential vegetables	Scientific Production technology of okra / Bower technique in cucurbitaceous vegetable crops	2	3	12	15	23	2	25	26	14	40
Grading and standardization											
Protective cultivation	Protected cultivation: Production technique of Cucumber	1	0	2	2	0	18	18	0	20	20
Others (pl specify)											
Total (a)		**6**	**15**	**55**	**70**	**25**	**30**	**55**	**40**	**85**	**125**
b) Fruits											
Training and Pruning	Training and Pruning techniques of major fruit crops	1	0	0	0	11	9	20	11	9	20
Layout and Management of Orchards	Ago-Management practices in Guava and Lime orchards /Scientific approaches to establish fruit orchard and commercial fruit varieties	2	23	0	23	17	0	17	40	0	40
Cultivation of Fruit		1	1	0	1	19	0	19	20	0	20
Management of young plants/orchards	Nutrient management practices in Guava and Lemon	1	0	20	20	0	0	0	0	20	20
Rejuvenation of old orchards											
Export potential fruits	Nutrition importance: Bio-fortified varieties of horticultural crops	1	20	0	20	0	0	0	20	0	20
Micro irrigation systems of orchards											
Plant propagation techniques											
Others (pl specify)											
Total (b)		**6**	**44**	**20**	**64**	**47**	**9**	**56**	**91**	**29**	**120**
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others (Production of low value and											

high valume crops)											
Total (c)											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (d)											
e) Tuber crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (e)											
f) Spices											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (f)											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
Others (pl specify)											
Total (g)											
GT (a-g)		**12**	**59**	**75**	**134**	**72**	**39**	**111**	**131**	**114**	**245**
III Soil Health and Fertility Mgt.											
Soil fertility management											
Integrated water management	Use of water soluble fertilizers in paddy	1	15	-	15	5	-	5	20	-	20
Integrated Nutrient Management	Foiar spray of liquid Neno urea in paddy / Foliar spray of water soluble fertilizers in paddy / Use of	4	54	-	54	26	-	26	80	-	80

	water soluble fertilizers in paddy / Use of sulphur in oilseed crops										
Production and use of organic inputs	Use of jeeva amrit in paddy for natural farming / Importance and role of bio-fertilizer / Importance of green manuring to improve soil health / Use of ghan-jeevamrit in wheat for natural farming	4	35	-	35	45	-	45	80	-	80
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Balance use of fertilizers											
Soil and Water Testing											
Others (pl specify)											
Total		**9**	**104**	**0**	**104**	**76**	**0**	**76**	**180**	**0**	**180**
IV Livestock Production & Mgt											
Dairy Management	• Care and feeding of newly born calf • Control measure of endo ecto parasitic infestation • Importance of AI and mgt. of pregnant animal	3	60	0	60	0	0	0	60	0	60
Poultry Management											
Piggery Management											
Rabbit Management											
Animal Nutrition Management	• Use and importance of mineral mixture	1	20	0	20	0	0	0	20	0	20
Disease Management	• Major disease in dairy animal: their symptom and preventive measures • Infertility mgt. in dairy animals • HS disease: Its symptoms and preventive measures • Vaccination and deworming schedule in dairy animals • FMD: Its symptoms and their preventive measures	5	78	2	80	20	0	20	98	2	100
Feed & fodder technology	• Balanced feeding for dairy animal	1	0	2	2	0	18	18	0	20	20
Production of quality animal products	• Factor effecting the milk yield and composition	1	20	0	20	0	0	0	20	0	20

	of milk										
Others (Cow based natural farming)	• Cow based natural farming • Importance of indigenous cattle breed and their conservation.	4	46	18	64	10	6	16	48	32	80
Total		**15**	**224**	**22**	**246**	**30**	**24**	**54**	**246**	**54**	**300**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Development, maintenance and importance of Nutritional Garden	01	-	8	8	-	12	12	-	20	20
Design and development of low/minimum cost diet	Methods of preparation of Amylase Rich Food (ARF) and it's importance	01	-	14	14	-	06	06	-	20	20
Designing and development for high nutrient efficiency diet	Balanced diet for pregnant and lactating women / Importance of Inclusion of millets in daily Diet / Importance of Inclusion of millets in daily Diet of pregnant and lactating women	04	-	50	50	-	30	30	-	80	80
Minimization of nutrient loss in processing	Scientific method of Chaffing and cooking of food to minimize nutrient loss	01	-	19	19	-	1	1	-	20	20
Processing and cooking	Post-harvest management of vegetables after harvesting / Employment generation among illiterate or rural women through trainings on processing and preservation of fruits and vegetables / Soybean : Importance in diet and it's Processing	03	-	45	45	-	20	20	-	65	65
Gender mainstreaming through SHGs											
Storage loss minimization techniques	Safe Grain Storage at Household Level to improve the keeping quality of grains	01	-	20	20	-	0	0	-	20	20
Value addition	Value addition of Mango / Methods of preparation of different products from seasonal fruits and vegetables / Basic techniques of Millets processing	03	-	35	35	-	25	25	-	60	60
Women empowerment	Employment generation among illiterate / rural women through trainings on Preparation of different household products (making of Soap and Candles) and block printing and tie and dye techniques	02	-	20	20	-	30	30	-	50	50
Location specific drudgery reduction	Work simplification for farm women by using farm	01	-	20	20	-	0	0	-	20	20

technologies	implements for their Drudgery Reduction										
Rural Crafts											
Women and child care	Importance of Balanced Diet for maintaining good health / Malnutrition: Causes and Prevention	02	-	20	20	-	20	20	-	40	40
Others (pl specify)											
Total		**19**	**0**	**251**	**251**	**0**	**144**	**144**	**0**	**395**	**395**
VI Agril. Engineering											
Farm Machinery and its maintenance											
Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices											
Production of small tools and implements											
Repair and maintenance of farm machinery and implements											
Small scale processing and value addition											
Post Harvest Technology											
Others (Use of advanced agricultural implements)											
Total											
VII Plant Protection											
Integrated Pest Management											
Integrated Disease Management											
Bio-control of pests and diseases											
Production of bio control agents and bio pesticides											
Others (pl specify)											
Total											
VIII Fisheries											
Integrated fish farming	Opportunities in integrated fish farming	1	20	0	20	0	0	0	20	0	20
Carp breeding and hatchery management											
Carp fry and fingerling rearing	Fish feed mgt in aqua-farming. Prepartion of conventional and unconventional fish	3	31	4	35	6	19	25	37	23	60

	feed										
Composite fish culture	Composite aquaculture: The doorway to better profit / Scientific mgt. of fish ponds / Controlling water pollution for fisheries and aquaculture	3	38	20	58	5	0	5	43	20	63
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes	Aquarium business: Scope & opportunities Prospects of ornamental aquaculture: Employment and innovation.	3	20	37	57	2	10	12	22	47	69
Portable plastic carp hatchery											
Pen culture of fish and prawn	.										
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition	Fish processing techniques and methods	3	0	24	24	0	39	39	0	63	63
Others (**Tilapia culture.**)	Scientific aspects of tilapia farming.	1	20	0	20	0	0	0	20	0	20
Total		**14**	**129**	**85**	**214**	**13**	**68**	**81**	**142**	**153**	**295**
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production											
Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
Mushroom Production											
Apiculture											
Others (pl specify)											
Total											
X Capacity Building and Group											

Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
Others (pl specify)											
Total											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total											
GRAND TOTAL		**84**	**787**	**436**	**1223**	**217**	**275**	**492**	**996**	**719**	**1715**

Training for Rural Youths including sponsored training programmes

Area of training	**Actual Title of training conducted**	**No. of Courses**	**No. of Participants**								
			General			**SC/ST**			**Grand Total**		
			Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
Integrated farming											
Seed production	Seed production techniques of wheat	1	7	0	7	1	0	1	8	0	8
Production of organic inputs											
Planting material production	Improved vegetable raising techniques: Opportunity and Prospects	1	04	00	04	06	0	06	10	0	10
Vermi-culture											
Mushroom Production											
Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery &											

implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts (Tie & dye)											
Production of quality animal products											
Dairying	Scientific dairy farming	1	10	0	10	0	0	0	10	0	10
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology	Fish products and by-products: New sources of income generation.	1	0	0	0	0	15	15	0	15	15
Fry and fingerling rearing											
Any other (Please specify)	Tie and dye, candle making, soap making	1	0	0	0	0	12	12	0	12	12
TOTAL		**5**	**21**	**0**	**21**	**7**	**27**	**34**	**28**	**27**	**55**

Training programmes for Extension Personnel including sponsored training programmes

Area of training	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops (F.S.)	Introduction benefits and scope of composite fish culture / Improved varieties and nutrient management of mustard	2	32	0	32	3	0	3	35	0	35
Integrated Pest Management											
Integrated Nutrient management	Use of water soluble fertilizers in paddy / Use and importance of sulphur in oil seed crops	2	32	-	32	12	-	12	44	0	44
Rejuvenation of old orchards											
Protected cultivation technology											
Production and use of organic inputs	Use of ghan jeeva amrit for natural farming / Use of ghan jeeva amrit in wheat for natural farming	2	38	-	38	12	-	12	50	0	50
Care and maintenance of farm machinery and implements											
Gender mainstreaming through SHGs (F.S.)	Prospects of aquarium and ornamental fish business through women groups./Income opportunities in fisheries for SHGs/ Employment opportunities for SHGs through backyard fish culture	3	0	68	68	0	1	1	0	69	69
Formation and Management of SHGs											
Women and Child care	Schedule and Importance of Immunization for Children and pregnant women / Anemia among pregnant women: Causes and Prevention / Importance of millets in the Prevention of anemia among adolescents / Malnutrition among children: causes & prevention	4	-	50	50	-	30	30	-	80	80
Low cost and nutrient efficient diet designing	Methods of preparation of different products of Millets at household level/ Importance of millets & their production	3	40	07	47	0	13	13	40	20	60
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals	Mastitis in milch animal: Its symptoms and preventive measures./ Infertility mgt. in dairy animal	2	0	30	30	0	0	0	0	30	30
Livestock feed and fodder production	Importance of green fodder	1	16	2	18	2	0	2	18	2	20
Household food security (F.S.)	Integrated fish farming: Scope and benefits	1	10	0	10	4	1	5	14	1	15
Any other	Healthy Seedling production technology/	5	20	55	75	0	12	12	55	32	87

	Commercial production technology of major medicinal crops / Nutrient mgt in basmati paddy / Nutritional deficiency diseases and its prevention/ Cow based natural farming.										
TOTAL		**25**	**188**	**212**	**400**	**33**	**57**	**90**	**256**	**234**	**490**

Table. Sponsored training programmes

Area of training	**No. of Courses**	**No. of participants**								
		General			**SC/ST**			**Grand Total**		
		M	**Fe**	**T**	**M**	**Fe**	**T**	**M**	**Fe**	**T**
Farmers Technical Trainings (FTT)	1	17	2	19	10	30	40	27	32	59
Prospects of ornamental aquaculture: Employment and innovation	1	13	8	21	2	2	4	15	10	25
GRAND TOTAL	**2**	**30**	**10**	**40**	**12**	**32**	**44**	**42**	**42**	**84**

Name of sponsoring agencies involved

SN	**Sponsoring agency name**
1	State Govt. through university
2	NFDB

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

Area of training	**Actual title of training conducted**	**No. of Courses**	**No. of Participants**								
			General			**SC/ST**			**Grand Total**		
			Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
Crop production and management											
Commercial floriculture	**Garden Keeper**	**1**	**12**	**10**	**22**	**2**	**1**	**3**	**14**	**11**	**25**
Organic farming	**Small Organic**	**1**	**20**	**03**	**23**	**02**	**0**	**02**	**22**	**03**	**25**

	Cultivator										
Grand Total		**2**	**32**	**13**	**45**	**4**	**1**	**5**	**36**	**14**	**50**

Celebration of IYM, 2023 by KVK, G B Nagar: Organizing and participating in programmes

Millets Awareness Program for Farmers / farm women

Millets Punrodhhar Kaaryakram

Celebration of IYM, 2023 by KVK, G B Nagar: Organizing and participating in programmes

Awareness Program for School Children

Suggestion of Dr. Shantanu Dubey, Director ATARI, Kanpur, regarding the cultivation and processing of Millets

Distribution of Seeds of different Millets for Demonstration

Millets Demonstration field visit by KVK Scientists

Working with Educational Institutes

- Vishweshwarya Institute, Noida
- Sharda University , Noida
- Amity University, Noida
- Noida International University, Noida
- Galgotia University, Noida

Visit of students from different institutes

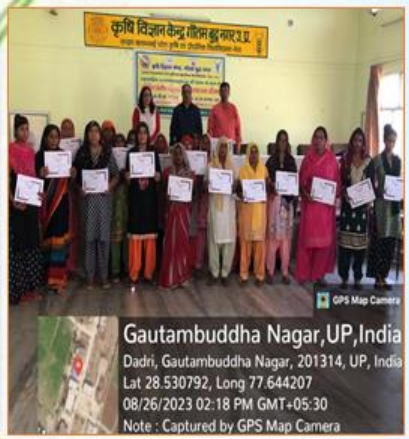
Sponsored Trainings:

03 training and capacity building programs funded by National Fisheries Development Board (NFDB),Ministry of Fisheries, A H and Dairying are being organized in KVK titled "Prospects in Ornamental Aquaculture: Employment and Innovation.

Employment-oriented Training Program for Uneducated / Rural Women under the Inspiration of Hon'ble Governor Ma'am (UP) Excellency

TOPIC : Employment Generation Among Rural Women through Processing and Preservation of Fruits and Vegetables

Date : 22 – 26 August 2023 | **No. of Trainees = 25**



Employment-oriented Training Program for Uneducated / Rural Women under the Inspiration of Hon'ble Governor Ma'am (UP) Excellency

Date : 22 – 27 Sep. 2023

TOPIC : SOAP MAKING

No. of Trainees = 25

Employment-oriented Training Program for Uneducated / Rural Women under the Inspiration of Hon'ble Governor Ma'am (UP) Excellency

Date : 22 – 27 Sep. 2023

TOPIC : CANDLE MAKING

No. of Trainees = 25

21 days vocational training of Fisheries Science in KVK, GB Nagar
Date: 20th September to 11th October, 2023

- 15 women trainees from adopted village
- Highlight: Millet based fish products
- More than 10 different products were prepared
- Lectures on canning, packaging and marketing of products

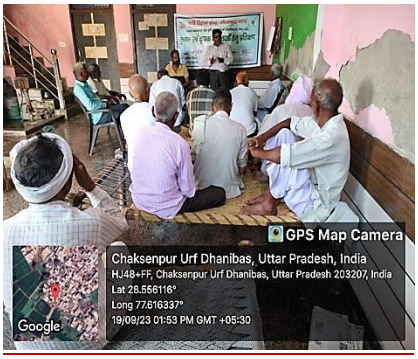
21 days vocational training of Animal Science in KVK, GB Nagar
Date: 20th September to 11th October, 2023

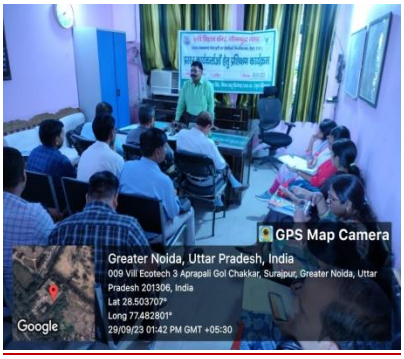
- 21 days Training Programme was conducted for Rural Youth organised at KVK G B Nagar from 06th Sep, 2023 to 26th Sep, 2023 on the topic " Scientific Dairy Farming for self employment."
- In this training the participants were selected from five adopted village.
- On the Last day of training program, certificates were given to the participants.

Glimpses of Trainings (PF/RY/EP)

Agronomy

Soil Science



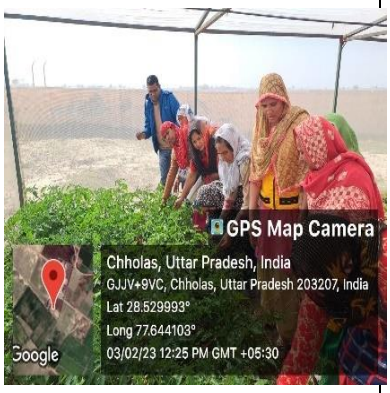


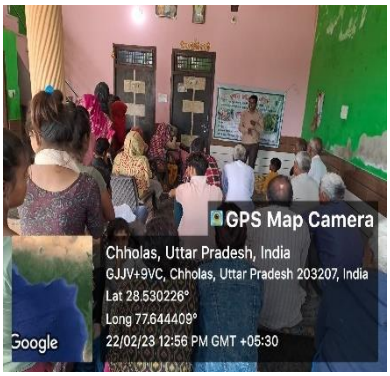
Glimpses of Trainings (PF/RY/EP)

Home Science

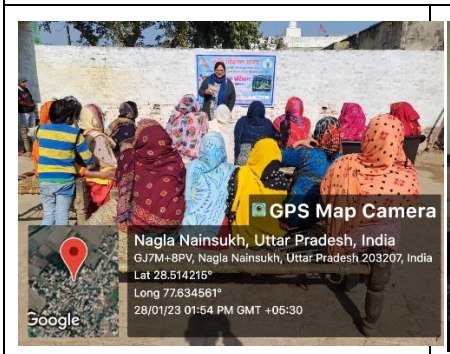
Under the inspiration of Her Excellency the Governor of UP, employment oriented training for uneducated/rural women at KVK, GB Nagar from 22-27 Sept., 2023

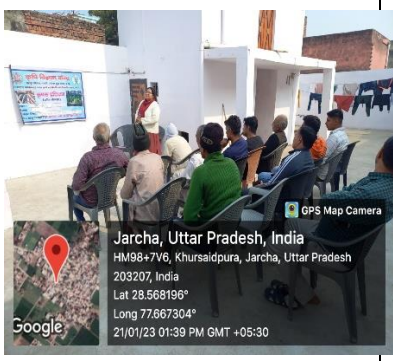
Horticulture





Fisheries Science





Animal Science

V. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL (farmer+ExtnPersonnel)
Advisory Services	112	1126	15	1141
Diagnostic visits	15	296	12	308
Field Day	11	302	8	310
Group discussions	3	92	6	98
Kisan Ghosthi	11	672	28	700
Film Show	3	81	4	85
Self -help groups	6	322	8	330
Kisan Mela	3	405	46	451
Exhibition	1	288	6	294
Scientists' visit to farmers field	228	922	12	934
Plant/animal health camps				
Farm Science Club				
Ex-trainees Sammelan				
Farmers' seminar/workshop	1	62	6	68
Method Demonstrations	2	70	2	72
Celebration of important days	2	208	16	224
Special day celebration	1	28	2	30
Exposure visits	3	150	0	150
Others (Farmer visit to KVK)	488	3265	26	3291
Total	**890**	**8289**	**197**	**8486**

Details of other extension programmes

Particulars	Number
Extension Literature	10
Newspaper coverage	38
Research Paper	
Popular articles	4
Radio Talk	8
TV Talks	8
Others	12
Total	**80**

Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Live-stock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
GB Nagar	Text only	82	12	6	8	21	8	137
	Voice only	42	4	0	11	16	5	78
	Voice & Text both	65	11	6	15	15	9	121
	Total Messages	**189**	**27**	**12**	**34**	**52**	**22**	**336**
	Total farmers Benefitted	**504**	**66**	**112**	**66**	**75**	**56**	**879**

Glimpses of programs organized by the KVK, GB Nagar from Jan. – Dec., 2023

Director Extension sir visited the CFLD demonstration at the adopted village Nai Basti on 07.01.2023

Director Extension Sir and team of Scientists visited the Poly-house and get the information about seedling production on 07.01.2023

Director Extension Sir and team of Scientists visited the Crop Cafeteria on 07.01.2023

Director Extension, Sir and other scientists of Directorate of Extension visited KVK farm and Units on dated 18.01.2023 to observe the performance of RKVY work at farm. The status of leveling, bunding and crop has been observed and instruct KVK staff for further improvement in farm. And see the Poultry and Cow unit also.

Prof. P.K. Sharma, Head, Agriculture, Mangalayatan University, Aligarh Visited on dated 19.01.2023 Poly House and Net House. Appreciated the activities going on in net house and poly-house. Sir also purchased vegetable seedlings

Participated "Capacity Building Programme & Review Meeting" held at Directorate of Extension, SVPUAT, Meerut on dated 06.02.2023 by Dr. Sunil Prajapati

A training programme was conducted on 'Spice production technology' by College of Horticulture SVPUA&T Meerut at KVK on 08.02.2023

Dr. Virendra Pal Gangwar, SMS (Horticulture) visited Guava orchard on 08.02. 2023 and give valuable suggestions

Attended a training program on 'Food Processing' of five days (01/03/2023 to 04/03/2023) organized by Sustainable Development Society (Sandesh, Dabur)

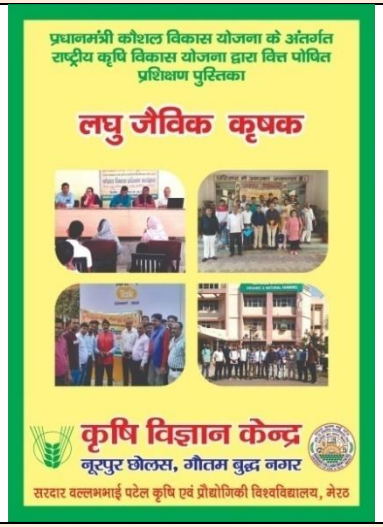
Some photographs of Skill Training under job role Small Organic Cultivator

		
A Practical on method of seed treatment and seed sowing in line to line	**A practical on making compost by various crop waste in skill training of trainees was conducted at VCT Organic farm**	**Dr. Mayank Kumar Rai, Head, KVK GB Nagar gave a lecture to ASCI students.**
		
Exposure visits to KISHAN TAK channel with trainees of 'Small Organic Cultivator' to attend the -Summit- 2023 on dt 14.03.2023 meet Dr. US Gautam sir, DDG Extension	**Exposure visit to BEDF, Meerut**	**Visit to NCONF, Ghaziabad**

Visit to Directorate of Ext., SVPUAT, Meerut

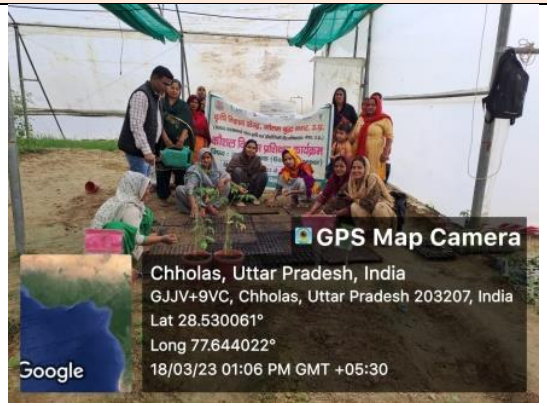
Visit to IIFSR, Modipuram, Meerut

A small function of closing ceremony was organized for the participants for their hard work and discipline during this whole training on 28th March, 2023



On the Job Role of 'Small Organic Cultivator' a training manual was also provided to trainees, to make more information about the training program as well as with the objective of, to give the knowledge of organic cultivation and certification.

Photographs of ASCI- Skill development training programme on Job role: Garden Keeper (AGR/Q0812)

		
Introdcution and Registartion of participats for 'Graden Keeper' in the presence of Head Dr. Mayank Kuamr Rai and Scientists of KVK	**Trainees of Garden Keeper learning the importance, scope and employability opportunities in gardening and flower culture**	**Trainees of Garden Keeper with Head Sir**
		
Practical on trailing system in yellow and red cherry tomato with de-shooting	**Preparation of potting mixture and seeding**	**Exposure visits to attend the KISHAN TAK-Summit- 2023 on dated 14.03.2023**

		
Demonstrated the Training and pruning operation on guava plants.	**Exposure visit to Pusa Mela- IARI New Delhi**	**Exposure visit to Center for protected cultivation technology- IARI New Delhi**
		
Exposure visit to Directorate of Extension, SVPUA&T, Meerut		**Exposure visit to ICAR-Central Potato Research Institute,RS, Modipuram, Merrut**

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<td>  </td>
<td>Closing of the 210 hr skill development-training programme on Garden Keeper in the presence of Dr. Mayank Kumar Rai, Head KVK, Scientists and staff members of KVK.</td>
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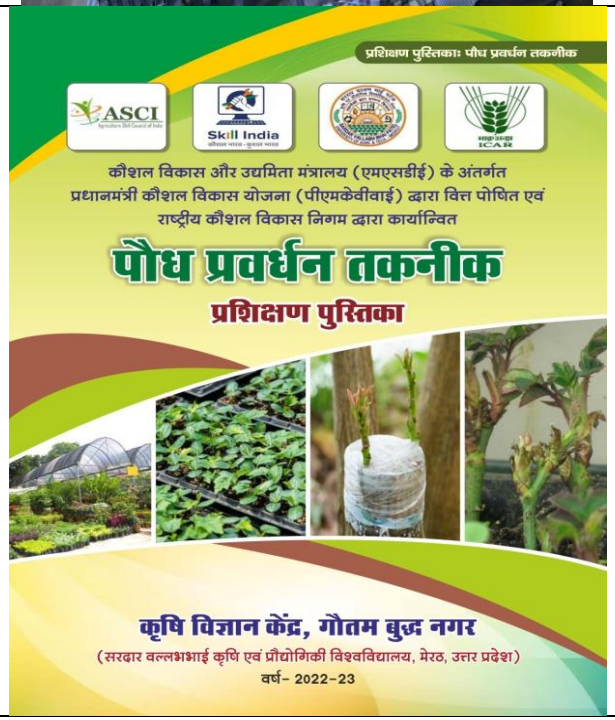
<td colspan="2">KVK, Gautam Buddha Nagar, Conducted 21 days (210 hrs) skill training programme from 2nd to 28 March, 2023 on the Job Role- ‘Garden keeper’ (AGR/Q0812). The training programme is funded by Pradhan Mantri Kaushal Vikas Yojana (PMKVY) is the flagship scheme of the Ministry of Skill Development & Entrepreneurship (MSDE) and implemented by National Skill Development Corporation. The objective of this Skill Certification Scheme is to enable a large number of Indian youth to take up industry-relevant skill training that will help them in securing a better livelihood. Twenty five farmers, farm women and rural youths registered for the training programme and twenty two trainees passed in the assessment. While the training, trainees are got exposure visit to Indian Institute of Agriculture Research, Pusa New Delhi, Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut, ICAR-Central Potato Research Institute, RS, Modipuram, Meerut,Meerut, National Centre for Organic and Natural Farming, Ghaziabad, Govt. Nursery Ghaziabad, etc. where trainees get the opportunity of method demonstration of Agricultural technology and skilled up on gardening aspects. This training programme is conducted monitoring of Directorate of Extension, Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut, and under Guidance of Professor and Head, Krishi Vigyan Kendra, Gautam Buddha Nagar.

On the Job Role of ‘Garden Keeper’ a training manual title ‘Paudh Pravardha Taknik’ was also provided to trainees, to make more information that how fruit and ornamental plant can be propagates through various methods of vegetative propagation.</td>
<td> 
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Participated with Dr. Mayank Kumar Rai and Dr. Bonika Pant and Delivered lecture in "एक दिवसीय प्रशिक्षण कार्यक्रम" under " प्रधान मंत्री कृषि सिंचाई योजना पर ड्रॉप मोर क्रॉप- माइक्रोइरीगेशन" Progarm organised by उद्यान एवं खाद्य प्रसंस्करण विभाग, गौतम बुधनगर, उ0 प्र0, at Jewar Block, Gautam Budh Nagar on dated 01.03.2023

Krishi Vigyan Kendra, Gautam Budh Nagar took 50 farmers from 8 villages of the district for an excursion to the Krishi Vigyan Mela (March 02-04, 2023) organized at Pusa, New Delhi. The themes of this year's fair are nutrition, food and environment protection by Shree Annan. In a group of 50 farmers, 20 women and 30 men beneficiaries participated. The fair was inaugurated by Honorable Minister of Agriculture and Welfare Shri Narendra Singh Tomar.

	**Advisory visit to village Didauli, Ghaziabad on dated 03rd March, 2023 for 3 farmers and their 8 ponds regarding aquaculture and cultivation of Pangas and Carps along with scientific culture of fishes by Dr. Mayank K. Rai, Head and Dr. Bonika**
	**A two days training program (Non NHM under RKVY) was organized by District Horticulture Department on"**आम, अमरुद, ऑवला, केला की वैज्ञानिक खेती एवं तुड़ाई उपरान्त प्रबन्धन**" on 17 - 18 March 2023 at KVK Gautam Budh Nagar.**

A Programme on "Hunar se Rojgar evam Mahila Sashakikaran" was organized by Directorate of Extension. KVK make participation through stall of millets in exhibition.Dr. Vipin and Dr. Bonika particiapated in Programme at HQ along with duty as In-charge of Sitting Management and also managed the participation of 100 women from the district in the event on dated 18-19th March, 2023

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</td><td>Distribution Of Inputs To 4 Farm-Women For Vermi-Composting Under Swachhta Action Plan-2022-23</td></tr>
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<tr><td colspan="2">Deliver a lecture on nutrient management in organic farming in two days training for extension workers to give knowledge regarding nutrient management in organic farming on 28th March, 2023 at NCONF Ghaziabad</td></tr>
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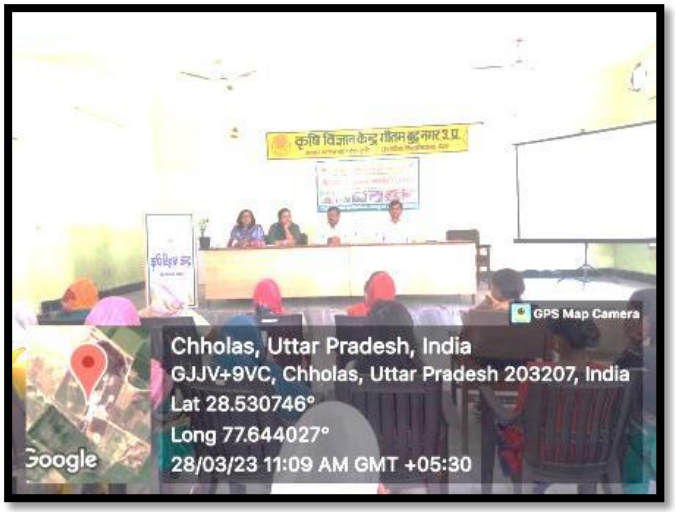
<td> 
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<td colspan="2">Organized a three days farmers technical training programme on dated - 27-30 March, 2023</td>
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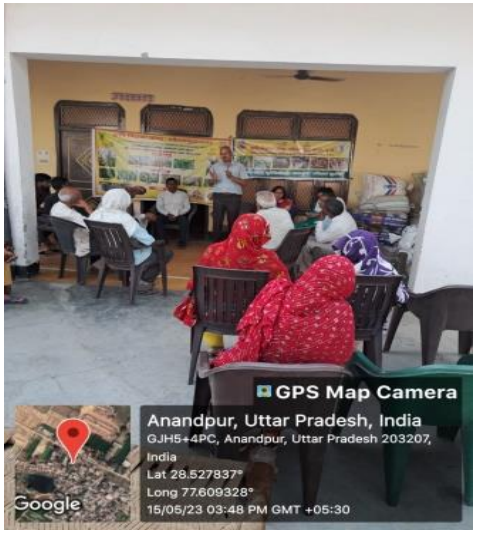
Radio Talk was delivered by Dr. Vipin Kumar on dated 31st March, 2023 at All India Radio, New Delhi on Millets Cultivation and Barseem Seed Production so that benefits of millets can be promoted to unaware People and Farmers

Assessment of trainees on dated 05.04.2023 for 'Garden Keeper' was conducted. The assessment team was appointed by ASCI

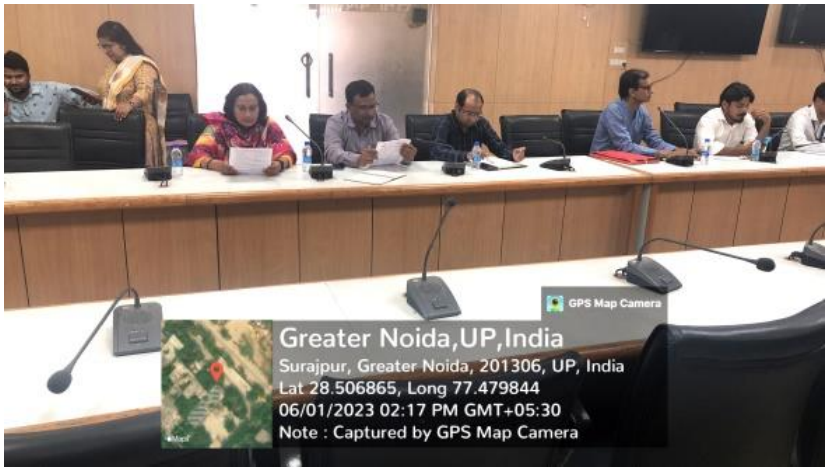
Assessment of 25 days Skill training on "Small Organic Cultivator" Training at KVK, Gautam Budh Nagar, Training Hall on dated 05.04.2023

Awareness Programme on "Mission on Life Style For Environment (LiFE) on dated 23.05.2023 at KVK

The students from Galgotia University participated in the Mission on lifestyle For Environment (LiFE) on dated 24.05.2023 at KVK



Conducted Kharif Abhiyan 2023 in 23 Villages of 2 block to give technical knowledge of soil sampling, seed treatment, vegetable cultivation, chemical free basmati production, cultivation of millets and care of animals in summer during 15-31st May, 2023. 549 farmers and farm women get benefited



Under the chairmanship of District Magistrate, Gautam Buddha Nagar, a district level meeting was organized on 01 June 2023 in the District Magistrate Auditorium, Surajpur, Gautam Budh Nagar, Prime Minister's Micro Food Up gradation Scheme, in which self-help groups were informed about the benefits of various schemes related to food processing and how they could benefit from it.

Dr. Sanjay Singh Sir, DG, UPCAR visited the KVK Gautam Budh Nagar on dated 02.06.2023 and provided valuable suggestions for betterment of KVK as well as farmers

Visited Global Organic Expo 2023 at Knowledge Park - II, G. Noida, UP on 03 June 2023 to be aware of the ways of lowering costs and achieving sustainable productivity through the use of organically produced goods and by strengthening the capability of organic farming systems

Stall at NASC Complex, Pusa, New Delhi on the occasion of World Environment Day 2023 on 05 June 2023

World Environment Day 2023 on 05 June 2023, some trees were planted by the farmers/ farm women at KVK Campus to create awareness among them about the importance of plants to save the environment and to save our lives

An awareness program was organized for the farmers and farm women on the occasion of World's Environment Day on 05 June 2023 at KVK, Gautam Budh Nagar Campus, and pledged a lifestyle for the environment

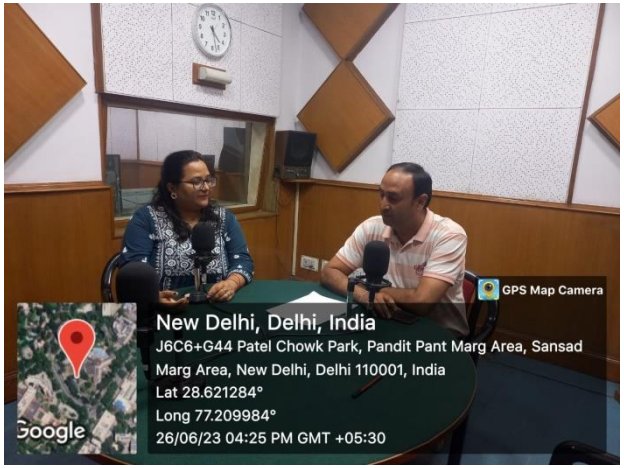
Dr. S.K. Dubey, Director, ICAR-ATARI, Kanpur visited the KVK Gautam Budh Nagar on dated 08.06.2023 and provided valuable suggestions for betterment of KVK as well as farmers.

कृषि विज्ञान केन्द्र पर अंतर्राष्ट्रीय योग दिवस का आयोजन

जय हिन्द संवाद

दादरी। कृषि विज्ञान केन्द्र, गौतमबुद्ध नगर परिसर में अर्न्तराष्ट्रीय योग दिवस का आयोजन किया गया जिसमें पंतजलि दादरी के प्रभारी श्री प्रदीप शर्मा जी, श्री टीकम सिंह जी एवं श्री मिश्रा जी की टीम के द्वारा योग की बारीकियों का समझाया गया तथा 1.0 घंटे तक योगाभ्यास कराया गया। इसके साथ-साथ श्री प्रदीप शर्मा जी ने योग द्वारा निरोग रहने के उपाय बताये तथा श्री टीकम सिंह, योग शिक्षक जी के द्वारा वर्तमान समय मे होने वाले विभिन्न बिमारियों के लिये रोग विशेष उपचार एवं आसन के विषय में अवगत कराया। इस अवसर पर केन्द्र के अध्यक्ष डा. मयंक कुमार राय जी के द्वारा पंतजलि योगपीठ के अतुलनीय योगदान एवं योग प्रचार प्रसार की सराहना की तथा योग को दैनिक जीवन का अभिन्न अंग बनाने का अनुरोध किया। केन्द्र के वरिष्ठ वैज्ञानिक डा. विपिन कुमार जी ने योग में सांस के महत्व को बताया तथा भोजन में मोटे अनाजो को सम्मिलित करने एवं दैनिक दिनचर्या को नियमित करने की सलाह दी। इस कार्यक्रम में केन्द्र के श्री कुँवर घनश्याम श्री आशु अरोरा एवं श्री प्रद्युम्न एवं साथ ही केन्द्र के आसपास के गाँवो के 38 किसानो एवं किसान महिलाओं के द्वारा भाग लिया गया।

International Yoga Day celebrate at KVK on 21st June, 2023



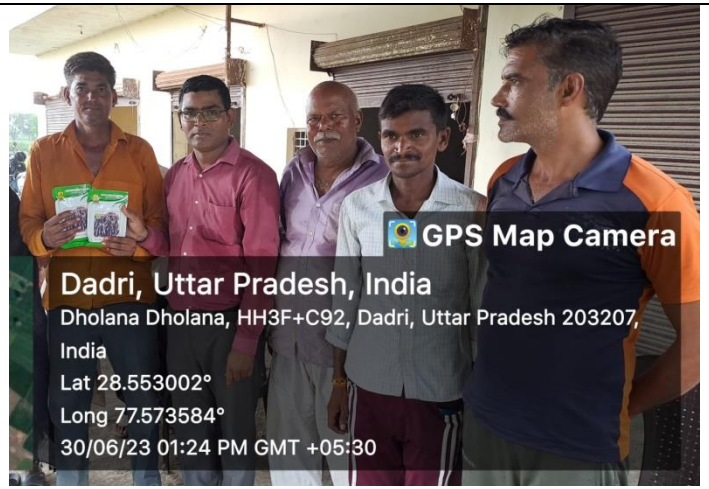
Dr. Vipin Kumar, Assoc. Dir. Agronomy attended one day workshop "Quality Basmati Production" on 24th June, 2023 at College of Veterinary Sciences, SVPUA&T, Meerut

Dr. Bonika Pant, Subject Matter Specialist (Fisheries Science) recorded a radio programme on the Topic "Aquarium Business" for AIR, Delhi Station on 26th June, 2023

Conducted Field day on FLD- bottle gourd (var. Pusa Naveen) at village- Cholas GB Nagar on 27th June, 2023 by Dr. Sunil Prajapati

Farmer field visit at village- Cholas GB Nagar on 27th June, 2023 by Dr. Sunil Prajapati to observe the growth and yield of Chilli and Brinjal

Conducted OFF Campus Training On "अमरुद एवं नीबू वर्गीय फल पौध में पोषक तत्वों का प्रबंधन" at village Khatana on 30th June, 2023



Distributed Critical Input of OFT- Brinjal in Katana **on 30th June, 2023 by Dr. Sunil Prajapati**

KVK GB Nagar got 2nd best Annual Progress Report prize in 30th Annual Zonal Workshop of KVKs of UP on 2nd July, 2023

Attended the review meeting at KVK Amroha on Mango Exhibition on 06th July, 2023

Vegetable Seeds Sowing in shade net house on dated 07th July, 2023

Plantation Drive in KVK Campus and Farm land on dated 07th July, 2023

Extension Leaflets-Folder's Printing on 8th July, 2023


Attended Mango Exhibition and Sangosthi at KVK Amroha on 10th July, 2023

कृषि विज्ञानं केंद्र, गजरौला, अमरोहा में आयोजित आम प्रदर्शनी एवं संगोष्ठी में विश्वविद्यालय के कुलपति माननीय डॉ के के सिंह सर, निदेशक प्रसार डॉ पी के सिंह सर एवं कृषि विज्ञान केंद्र, गौतम बुद्ध नगर के प्रभारी अधिकारी डॉ मयंक राय द्वारा विषय - "किशोरियों में एनीमिया: कारण एवं बचाव" पर तैयार किये गए प्रशिक्षण पुस्तिका का विमोचन on 10th July, 2023

Advisory visit regarding ornamental fish pond at Central Industrial Security Force (CISF) on 14th July, 2023

Radio talk- BACHCHHON AUR GARBHWATI MAHILAON MEIN TIKAKARAN on 14th July, 2023 at Prasar Bharti, Akashvani / Doordarshan, Delhi

Participation and farmer exposure visit in ICAR 95th Foundation Day at NAAS Complex New Delhi on 16th July 2023. Shri Narendra Singh Tomar, Union Minister of Agriculture and Farmers Welfare and President of ICAR Society was the Chief Guest of the program. Shri Parshottam Rupala, Union Minister for Fisheries, Animal Husbandry - Dairying and Shri Kailash Choudhary, Union Minister of State for Agriculture and Farmers Welfare also graced the occasion.

कृषकों के लिए दो दिवसीय कार्यशाला का आयोजन

जय हिन्द संवाद

नोएडा। कृषि विज्ञान केंद्र गौतम बुद्ध नगर में पृथ्वी विज्ञान मंत्रालय तथा विश्व परिवार फाउंडेशन के तत्वाधान में दो दिवसीय कार्यशाला 17 जुलाई 2023 से प्रारंभ हो गई । इस कार्यशाला में कृषकों को जलवायु परिवर्तन तथा अप्रत्याशित मौसम से कृषि फसलों,पशुओं कि सुरक्षा एवं कृषि प्रबंधन प्रस्ताव की विस्तृत जानकारी दी जा रही है। केंद्र के अध्यक्ष डॉ मयंक कुमार राय ने समस्त अतिथियों का स्वागत करते हुए कृषि विज्ञान केंद्र के कार्यों का विस्तृत वर्णन किया, साथ ही जलवायु परिवर्तन से कृषि फसलों में होने वाले विभिन्न रोगों तथा उनके निराकरण की जानकारी दी । कार्यक्रम के मुख्य अतिथि श्री नवीन शाह, सीएमडी, समाज कल्याण मंत्रालय द्वारा अपने व्याख्यान में कृषकों को जैविक खेती अपनाने हेतु सुझाव दिए गए। विशिष्ट अतिथि के रूप में एसोसिएशन ऑफ एग्रोमीटरोलॉजी के अध्यक्ष, डॉ के के सिंह द्वारा मौसम पूर्वानुमान की नवीनतम तकनीकों और मेघदूत मोबाइल फोन एप की जानकारी दी गई। कार्यशाला का मुख्य उद्देश्य मेघदूत मोबाइल फोन ऐप के प्रति कृषकों को जागरूक करना है। इस अवसर पर कृषि विज्ञान केंद्र के वैज्ञानिकों डॉ मोहन सिंह, डॉ विनीता सिंह, डॉ सुनील प्रजापति एवं डॉ बोनिका पन्त द्वारा कृषि फसलों,पशुओं एवं मत्स्य पालन के क्षेत्र में मौसम तथा जलवायु परिवर्तन संबंधी प्रबंधन विधियों की जानकारी दी जा रही है। कार्यक्रम में अतिथि के रूप में पृथ्वी विज्ञान मंत्रालय से डॉ हुकुम चंद्र मीणा एवं भारतीय मौसम विभाग से डॉ शालिनी सक्सेना द्वारा अपने विचार प्रस्तुत किए गए तथा कृषकों का मार्गदर्शन किया गया। कार्यशाला में आईडीएफसी फर्स्ट बैंक, कौशांबी, गाजियाबाद के अधिकारियों द्वारा किसानों को विभिन्न उपयोगी योजनाओं की जानकारी दी जा रही है। कार्यक्रम की प्रथम दिवस के अंत में श्रीमती स्मारिका द्वारा विश्व परिवार फाउंडेशन की तरफ से धन्यवाद ज्ञापन दिया गया। ।

कृषि विज्ञान केंद्र, गौतम बुद्ध नगर में कृषक मित्रों हेतु दो दिवसीय कार्यशाला प्रारंभ

राष्ट्रीय शान

गौतमबुद्ध नगर। जनपद के कृषि विज्ञान केंद्र गौतम बुद्ध नगर में पृथ्वी विज्ञान मंत्रालय तथा विश्व परिवार फाउंडेशन के तत्वाधान में दो दिवसीय कार्यशाला 17 जुलाई 2023 से प्रारंभ हो गई । इस कार्यशाला में कृषकों को जलवायु परिवर्तन तथा अप्रत्याशित मौसम से कृषि फसलों,पशुओं कि सुरक्षा एवं कृषि प्रबंधन प्रस्ताव की विस्तृत जानकारी दी जा रही है। केंद्र के अध्यक्ष डॉ मयंक कुमार राय ने समस्त अतिथियों का स्वागत करते हुए कृषि विज्ञान केंद्र के कार्यों का विस्तृत वर्णन किया, साथ ही जलवायु परिवर्तन से कृषि फसलों में होने वाले विभिन्न रोगों तथा उनके निराकरण की जानकारी दी। कार्यक्रम के मुख्य अतिथि नवीन शाह, सीएमडी, समाज कल्याण मंत्रालय द्वारा अपने व्याख्यान में कृषकों को जैविक खेती अपनाने हेतु सुझाव दिए गए। विशिष्ट अतिथि के रूप में एसोसिएशन ऑफ एग्रोमीटरोलॉजी के अध्यक्ष, डॉ के के सिंह द्वारा मौसम पूर्वानुमान की नवीनतम तकनीकों और मेघदूत मोबाइल फोन एप की जानकारी दी गई।

कार्यशाला का मुख्य उद्देश्य मेघदूत मोबाइल फोन ऐप के प्रति कृषकों को जागरूक करना है। इस अवसर पर कृषि विज्ञान केंद्र के वैज्ञानिकों डॉ मोहन सिंह, डॉ विनीता सिंह, डॉ सुनील प्रजापति एवं डॉ बोनिका पन्त द्वारा कृषि फसलों,पशुओं एवं मत्स्य पालन के क्षेत्र में मौसम तथा जलवायु परिवर्तन संबंधी प्रबंधन विधियों की जानकारी दी जा रही है। कार्यक्रम में अतिथि के रूप में पृथ्वी विज्ञान मंत्रालय से डॉ हुकुम चंद्र मीणा एवं भारतीय मौसम विभाग से डॉ शालिनी सक्सेना द्वारा अपने विचार प्रस्तुत किए गए तथा कृषकों का मार्गदर्शन किया गया। कार्यशाला में आईडीएफसी फर्स्ट बैंक, कौशांबी, गाजियाबाद के अधिकारियों द्वारा किसानों को विभिन्न उपयोगी योजनाओं की जानकारी दी जा रही है। कार्यक्रम की प्रथम दिवस के अंत में श्रीमती स्मारिका द्वारा विश्व परिवार फाउंडेशन की तरफ से धन्यवाद ज्ञापन दिया गया। ।

A workshop was organized under "एग्रोमेट सेवा एक कृषक मित्र" program from विश्व परिवार फाउंडेशन at KVK, Gautam Budh Nagar on 17.07.2023

Live telecast of PM address to farmer's from Sikar (Rajesthan) at Krishi Vigyan Kendra, Gautam Budh Nagar meeting hall on 27th July, 2023

Natural/ Organic Farming Interventions at KVK, G. B. Nagar

Visit of Director, Extension (SVPUAT)

- Facilities: Vermi compost unit, Azolla production unit, Cow Shade
- Livestock: Cow (Sahiwal) with one calf
- Number of training for farmers & extension workers: 05 (100 beneficiaries)
- Training on cow urine based input production: 01 (10 beneficiaries)
- Trial on organic , natural and traditional basmati wheat production
- Leaflet publication by KVK on natural farming on " Cow based natural farming"

Visit of IARI Scientists at Organic farming unit, Village Jarcha

Media Coverage- KVK, G. B. Nagar

वैज्ञानिकों ने किसानों को किया जागरूक

कृषि विज्ञान केंद्र पर किसान जागरूकता कार्यक्रम में बोलते वैज्ञानिक। संवाद

मोदीपुरम। कृषि मौसम प्रक्षेत्र इकाई कृषि विश्वविद्यालय के तत्वावधान में ग्रामीण कृषि मौसम सेवा परियोजना के अंतर्गत किसान जागरूकता कार्यक्रम आयोजित किया गया। कृषि विज्ञान केंद्र गौतमबुद्ध नगर में किया गया। जिसमें जिले के 100 से अधिक किसानों ने प्रतिभाग किया। कार्यक्रम में भारत मौसम विज्ञान विभाग नई दिल्ली के एग्रोमेट हेड डॉ. केके सिंह ने बताया कि निकट भविष्य में सभी कृषि विज्ञान केंद्रों पर मौसम वैधशाला स्थापित किए। पृथ्वी मंत्रालय भारत सरकार के संयुक्त सचिव नवीन कुमार साह ने कहा कि यह क्षेत्र नोएडा व दिल्ली के समीप है, जहां जैविक व प्राकृतिक खेती की अपार संभावनाएं है। अध्यक्षता करते हुए निदेशक प्रसार डॉ. पीके सिंह ने की। नोडल अधिकारी डॉ. उदय प्रताप शाही ने बताया कि कल ... कई क्षेत्रों में बारिश व ओलावृष्टि के आसार हैं। परियोजना के ...

दैनिक हिन्ट

प्रशिक्षण

लखनऊ, गुरुवार, 9 जून, 2022 3

कृषकों एवं संबंधित हित धारकों की ऊर्जा संरक्षण के संदर्भ में क्षमता विकास हेतु आयोजित कार्यशाला

लखनऊ (स्पष्ट आवाज)। उत्तर प्रदेश नवीन एवं नवीकरणीय ऊर्जा विकास अभिकरण (यूपीनेडा) जो उत्तर प्रदेश में ऊर्जा संरक्षण प्राविधानों को क्रियान्वित करने हेतु नामित राज्य अभिहित संस्था है, द्वारा दिनांक 08 जून को जनपद गौतमबुद्ध नगरके कृषि विज्ञान केन्द्रमें किसानों एवं संबंधित हित धारकों की ऊर्जासंरक्षण के संदर्भ में क्षमता विकास हेतु एक दिवसीय कार्यशाला का आयोजन कराया गया। कार्यशाला का शुभारम्भ मुख्य अतिथि राजीव कुमार (उप निदेशक, कृषि विभाग, गौतम बुद्ध नगर) द्वारा किया गया। इसके अतिरिक्त माधवेंद्र सिंह (सहायक निदेशक, केवीके गौतम बुद्ध नगर) औरडॉ. मयंक कुमार राय (प्रमुख, केवीके गौतम बुद्ध नगर) ने अपनी उपस्थिति से इस अवसर की शोभा बढ़ाई। इस कार्यशाला में 85 से अधिक किसानों और अन्य हितधारकों ने भाग लिया। कार्यशाला के प्रशिक्षक प्रभाकर झा (सीनियर ... डी2ओ) थे। कार्यशाला में प्रतिभागियों को ऊर्जासंरक्षण के संदर्भ में जागरूक किया गया अपने दैनिक जीवन में ऊर्जा ... करने वाले व्यय को कम कर ...

दस-दस के समूह में 20 गांव के 200 किसानों को उन्नत तकनीक से कराएंगे अवगत

बासमती धान उत्पादन का 20 दिवसीय प्रशिक्षण शुरू

उच्च गुणवत्ता का बासमती पैदा करें, मिलेगी अच्छी कीमत

मथुरा। संस्कृति विश्वविद्यालय और एग्रीकल्चर एंड प्रोसेस्ड फूड प्रोडक्ट्स एक्सपोर्ट डवलपमेंट अथॉरिटी ऑफ इंडिया (एपीडा) के सम्मिलित सहयोग से संस्कृति स्कूल आफ एग्रीकल्चर द्वारा आयोजित कार्यशाला में जिले के किसानों को बासमती की खेती और मार्केटिंग के बारे में उपयोगी जानकारी दी गई। ...

धान की बुआई से पहले अच्छे बीज का ही इस्तेमाल करें : मयंक

... डा. मयंक कुमार राय ने बताया कि धान की बुआई से पहले अच्छे और शोधित बीज का इस्तेमाल करें। भूमि की तैयारी के लिए ट्राई कोडरमा को गोबर के साथ मिलाकर प्रयोग करने की सलाह दी। इस मौके पर डा. विपिन कुमार, सरदार वल्लभ भाई पटेल कृषि एवं प्रौद्योगिकी विश्वविद्यालय मेरठ के डा. पूरन चंद, डा. हरिओम कटियार, डा. सर्वेश कुमार आदि मौजूद रहे।

महिलाओं व किसानों को दिया आत्मनिर्भर बनने का प्रशिक्षण

बासमती धान बीज उत्पादन प्रशिक्षण एवं प्रोत्साहन कार्यक्रम संपन्न

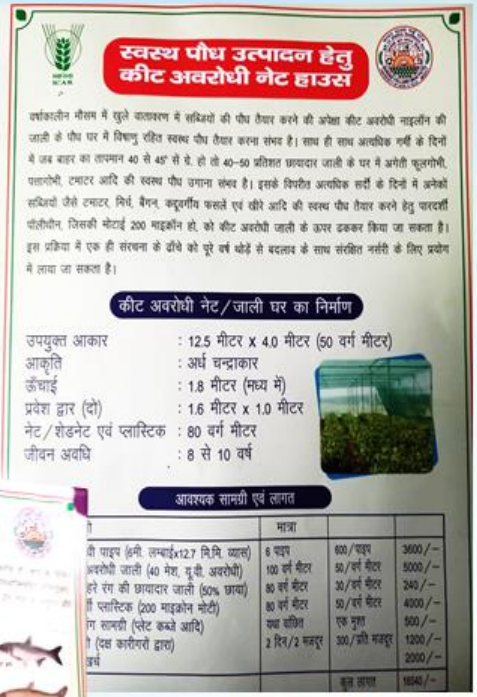
गाजियाबाद (हिन्ट संवाददाता)। बासमती धान बीज उत्पादन प्रशिक्षण प्रोत्साहन कार्यक्रम के अंतर्गत प्यावली एवं पटाड़ि ग्राम के कृषकों के संवर्धन हेतु दो दिवसीय कार्यशाला कृषि विज्ञान केंद्र, नूरपुर छौलस गौतमबुद्ध नगर द्वारा आयोजित किया गया। यह कार्यशाला एनटीपीसी के निगम सामाजिक दायित्व (सीएसआर) के अंतर्गत वित्तीय सहयोग से आयोजित किया गया। कृषि विज्ञान केंद्र गौतमबुद्धनगर के प्राध्यापक डॉ. मयंक कुमार राय ने बताया की धान की बुआई से पहले अच्छे और शोधित बीज का ही प्रयोग करें। भूमि की तैयारी के लिए ट्राईकोडर्मा फफूंदनाशक को गोबर के साथ मिलाकर प्रयोग करने की सलाह दी। डॉ. विपिन कुमार ने व्यावसायिक बीज उत्पादन की विभिन्न विधियों को किसानों को बताया। उन्होंने कहा कि बीज उत्पादन की आवश्यकता पर बल दिया। सरदार वल्लभभाई पटेल कृषि एवं प्रौद्योगिकी विश्वविद्यालय मेरठ से डा. पूरन चंद, डा. हरिओम कटियार, डा. सर्वेश कुमार एवं डा. मनोज कुमार सिंह ने बीज उत्पादन के विभिन्न व्यवस्था, सावधानियां, सस्य तकनीकी, विविधीकरण इत्यादि पर अपने व्याख्यान दिए। कार्यशाला में माधवेन्द्र सिंह, कुंवर घनश्याम तथा संजीव प्रेमी प्रगतिशील किसान भी उपस्थित रहे।

Extension Publications - KVK, G. B. Nagar


एक्वेरियम व्यवसाय : आय का सुनहरा स्त्रोत

एक्वेरियम निर्माण के लिए आवश्यक सामग्री

एक्वेरियम कैसे बनायें

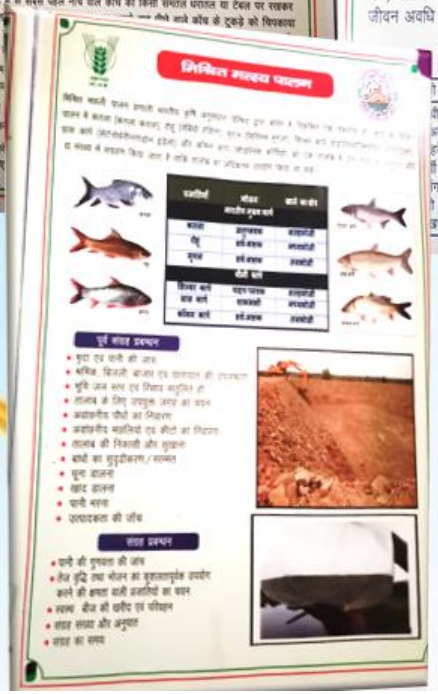

स्वस्थ पौध उत्पादन हेतु कीट अवरोधी नेट हाउस

कीट अवरोधी नेट/जाली घर का निर्माण

उपयुक्त आकार	: 12.5 मीटर x 4.0 मीटर (50 वर्ग मीटर)
आकृति	: अर्ध चन्द्राकार
ऊँचाई	: 1.8 मीटर (मध्य में)
प्रवेश द्वार (दो)	: 1.6 मीटर x 1.0 मीटर
नेट/शेडनेट एवं प्लास्टिक	: 80 वर्ग मीटर
जीवन अवधि	: 8 से 10 वर्ष

आवश्यक सामग्री एवं लागत

	मात्रा		
पी पाइप (6मी. लम्बाई x12.7 मि.मि. व्यास)	6 पाइप	600/पाइप	3600/-
अवरोधी जाली (40 मेश, यू.वी. अवरोधी)	100 वर्ग मीटर	50/वर्ग मीटर	5000/-
हरे रंग की छायादार जाली (50% छाया)	80 वर्ग मीटर	30/वर्ग मीटर	240/-
ी प्लास्टिक (200 माइक्रोन मोटी)	80 वर्ग मीटर	50/वर्ग मीटर	4000/-
ग सामग्री (प्लेट कब्जे आदि)	संच इकित	एक मुश्त	500/-
(दक्ष कारीगरों द्वारा)	2 दिन/2 मजदूर	300/प्रति मजदूर	1200/-
र्च			2000/-
		कुल लागत	16540/-


मिश्रित मत्स्य पालन

मुर्रा संवर्धन प्रबन्धन

साढ़ प्रबन्धन


कृषि विज्ञान केन्द्र, गौतमबुद्ध नगर

(सरदार वल्लभभाई पटेल कृषि एवं प्रौद्योगिक विश्वविद्यालय, मेरठ, उ0प्र0)

मृदा परीक्षण की आवश्यकता एवं मृदा नमूना लेने की विधि


कृषि विज्ञान केन्द्र, गौतमबुद्ध नगर

(सरदार वल्लभभाई पटेल कृषि एवं प्रौद्योगिक विश्वविद्यालय, मेरठ, उ0प्र0)

देशी गाय की प्रमुख नस्लें

साहीवाल– यह अधिक दूध देने वाली देशी गाय की प्रमुख नस्ल है। इस नस्ल के पशु हमारे देश में पंजाब, हरियाणा, उत्तर प्रदेश, राजस्थान, दिल्ली आदि राज्यों में पाये जाते हैं। इस नस्ल के पशु गहरे लाल से , कत्थई रंग के होते हैं। कुछ पशु पीले से रंग के भी होते हैं। अगली टांगों के बीच त्वचा लटकी हुई होती है। इन पशुओं का शरीर भारी होता है तथा त्वचा ढीली व


कृषि विज्ञान केन्द्र, गौतमबुद्ध नगर

(सरदार वल्लभभाई पटेल कृषि एवं प्रौद्योगिक विश्वविद्यालय, मेरठ, उ0प्र0)

Particulars	Number
Extension Literature	9
Newspaper coverage	38
Training Manuals	3
Popular articles	6
Radio Talk	8
TV Talks	8
Others	12
Book Chapters	2

VI. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS – Not Carried out

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

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

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed(q)	Value (Rs)	Number of farmers
Cereals	Barley (2.5 ha) – (Rabi 22-23)	HR-959		46.89	87731.00	
	Wheat (0.4 ha)(NF)– (Rabi 22-23)	DBW-173		6.40	14726.00	
Oilseeds						
Pulses						
Commercial crops						
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others						
Total					**102457.00**	

Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
Vegetable seedlings	Tomato	Kashi Abhimaan	F_1 Chandrajeet,	5152	1814.00	**205**
	Capsicum	Bafallow-9061, Indus-9061, California Wonder	Varun,	4088	1444.00	
	Brinjal	Pusa Purple Long, Pusa Purple round, Pusa Shyamal.	-	5804	1222.00	
	Chilli	Pusa Hybrid-4, Pusa Sadhabahar, Cherry-Rambha, Cherry-Gold.	-	1996	400.00	
	Bottle Gourd	Pusa Hybrid-3, Pusa Naveen.	-	141	705.0	
	Okra	Kashi Lalima	-	50	25.0	
	Cucumber	Pusa Long Green	-	50	25.0	
	Onion	Agrifound light Red		3.0 kg	90.00	
				17281	**5725.00**	
Fruits						
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
Total				**17281**	**5725.00**	**205**

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	No. of Farmers
Bio Fertilizer's				
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				
Calves				
Others (Pl. specify)				

Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Egg)	**Kadaknath**	**110**	**2200**	**11**
Chicken bird	**Kadaknath**	**6**	**4800**	**6**
Piggery				
Piglet				
Others (Pl. specify)				
Fisheries				
Indian carp				
Exotic carp				
Others (Pl. specify)				
Total		**116**	**7000**	**17**

VIII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	**398**	**185**	**52**	**41340.00**
Water	**81 (57 farmers + 24 KVK unit)**	**35**	**12**	**2850.00**
Plant				
Manure				
Others (pl. specify)				
Total	**479**	**220**	**64**	**44190.00**

IX. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
KVK, G.B. Nagar	1st on dated 17th Jan, 2022
	2nd on dated 01 Dec., 2022

X. NEWSLETTER/MAGAZINE

Name of News letter	No. of Copies printed for distribution

XI. PUBLICATIONS

Category	Number
Research Paper	02
Technical bulletins	-
Technical Report	04

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

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

XIII. 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

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

Animal health camps organized

Number of camps	No.of animals	No.of farmers

Seed distribution in drought hit states

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

Large scale adoption of resource conservation technologies

Crops/cultivars and gist of RCT introduced	Area (ha)	No of farmers

Awareness campaign

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

XIV. 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
KVK, GB Nagar (SVPUA&T)	Natural & Organic farming	1	2	
	HRD training	1	2	
	Capacity building and review of activities training	1	2	
	2 orientation prog for newly recruited SMS	1	2	
	CMS training	1	1	

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

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

Annexure 'A'

Information of adopted village under KVK GB Nagar

Adopted Village	**Nai Basti**	**Choals ki Madiya**	**Cholas**	**Khandera**	**Bambawad**
Block	Dadri	Dadri	Dadri	Dadri	Bisrakh
Distance from KVK	12	2.1		4.30	28.0
Distance from University HQ	74	80	84.9	77.2	82
Name of Pradhan (with mobile no.)	Smt Lalita Devi W/o Sh. Sunder Singh 9634160083	Mohd.Ali Athar 9311363683	Mohd.Ali Athar 9311363683	Mrs. Rajendri 7579733810	Smt Suresh Bala 9871479000
Post Office	Bairangpur	Chhaulas	Dadri	Dadri	Bambawad
Schools/College	01 Primary School	01 Primary School	01 Primary School	Upper primary and 01 Public School	01 Primary School and 01 Inter college
Veterinary Hospital distance (in km)	8.0	1.0	1.0	4.0	7.0
Population					
Total	7600	825	6192	6959	8125
Male	4200	448	3255	4175	4205
Female	3400	377	2933	2784	3920
Literacy %	85	81	57.57	75	82

Category					
SC/ST	1368	15	670	3479	710
OBC	4560	719	3470	2784	6510
General	1672	91	4140	696	905
Cultivated area (ha)	280.5	191.5	425.01	232.50	322.52
Soil Type	82% loam 8% clay loam 10% Sandy loam	Sandy loam	60% Loam 40% Sandy loam	Sandy loam	Sandy loam
Livestock Population					
Cow	62	32	28	20	180
Buffalo	415	285	130	83	620
Crop rotation	Paddy-wheat/ mustard	Paddy-wheat/ mustard	Paddy-wheat-Green gram-Cucurbits	Paddy-wheat	Paddy-wheat
	Paddy-Wheat-Green gram				
No of tractors	35	15	12	21	35
Activity Conducted					
Training	7 (132)	5	7		8
Demonstration	(44) 17.8 ha area	4	7	6	8
Exposure visit	3	3	2	3	3
Kharif Abhiyan	1	1	1	1	1
School oriented prog.	2	3	5	3	1

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