KRISHI VIGYAN KENDRA, GAUTAM BUDDH NAGAR

ANNUAL PROGRESS REPORT

(JANUARY, 2022 – DECEMBER, 2022)

APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	71	1225	199	1424
Rural youths/Vocational	7	54	26	80
Extension functionaries	10	132	60	192
Sponsored Training	12	300	-	300
Vocational Training	-	-	-	-
Total	**100**	**1711**	**285**	**1996**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds (CFLD)	100	40.0	-
Pulses (CFLD)	100	40.0	-
Cereals	50	20.0	-
Vegetables	05	1.0	-
Other crops (Fodder-Berseem)	10	1.0	-
Hybrid crops	-	-	-
Total	**265**	**102.0**	**-**
Livestock & Fisheries	29	25Animals+ 04 fish units	29
Other enterprises (Ag. Engg. + Vermi Compost)	30	8.0	5 vermi units
Total	**59**	**8.0**	**25 animals + 4 fish units+5 units**
Grand Total	**324**	**110.0**	**25 animals + 4 fish units + 5 vermi units**

3. Technology Assessment & Refinement

Category	No. of Technology	No. of Trials	No. of Farmers
Technology Assessed			
Crops	02	02	10
Livestock	01	01	10
Various enterprises	04	04	17
Total	**07**	**07**	**37**
Technology Refined			
Crops	-	-	-
Livestock	-	-	-
Various enterprises	-	-	-
Grand Total	**07**	**07**	**37**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	1336	4639
Other extension activities	20	
Total	**1356**	**4639**

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	26	11	4	6	18	6	71
	Voice only	11	3	-	7	12	4	37
	Voice & Text both	14	8	6	11	12	7	58
	Total Messages	**51**	**22**	**10**	**24**	**42**	**17**	**166**
	Total farmers Benefitted	**82**	**46**	**42**	**48**	**62**	**59**	**339**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q) (Commercial)	-	-
	-	-
Planting material (No.)	-	-
Bio-Products (kg)	-	-
Livestock Production (No.)	-	-
*Fishery production (No.)	-	-

* - Stocked in September, 2022

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	310	34890.00
Water	-	-
Plant	-	-
Total	**310**	**34890.00**

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	03
2	Conferences	0
3	Meetings	06
4	Trainings for KVK officials (attended)	06
5	Visits of KVK officials	06
6	Book published	-
7	Training Manual (FTT+ Paddy Seed- NTPC)	02
8	Book chapters	-
9	Research papers	-
10	Lead papers	-
11	Seminar papers	-
12	Extension folder	05
13	Proceedings	-
14	Award & recognition	-
15	On-going research projects	-

DETAIL REPORT OF APR-2022

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	
Krishi Vigyan Kendra, Chholas, G.B. Nagar	9968556926	-	gbnagarkvk@gmail.com mayankrai71@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 Mo- 09412923199	0121-2888511	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	mayankrai71@gmail.com

1.4. Year of sanction: June, 2005

1.5. Staff Position (as on 31st Dec., 2022)

SN	Sanctioned post	Name of the incumbent	Design-ation	Discipline	Pay Scale with GP (Rs.)	Present Total 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**	**37400-67000+10000**	**177400**	**19.11.16**	**Regular**	**Others**	**09968556926**	**51**	**mayankrai71@gmail.com**
2	SMS	***Er. Madhvendra Singh**	Asso. Dir. Ext.	Ag. Engg.	37400-67000+9000	181800	20.11.13	Regular	Others	09457363443	61	singhm1501@gmail.com
3	SMS	Dr. Vipin Kumar	Asso. Dir.	Agronomy	37400-67000+9000	161600	25.04.18	Regular	Others	09013389751	49	drv_kumar1973@rediffmail.com
4	SMS	***Smt. Vinita Singh**	Asst Prof. / SMS	Home Science	15600-39100+7000	89900	11.07.08	Regular	Others	09717091158	53	write2vinita1@gmail.com
5	SMS	Dr. Sunil Prajapati	SMS/T-6	Horticulture	15600-39100+5400	56100	04.07.22	Regular	Others	09407804830	37	prajapatisunil4960@gmail.com
6	SMS	Dr. Bonika Pant	SMS/T-6	Fisheries Science	15600-39100+5400	56100	07.07.22	Regular	Others	09412890917	31	bonika09pant@gmail.com
7	SMS	**Vacant**										-
8	Programme Assistant	Sh. Kunwar Ghanshyam	Training Assistant	Animal Husbandry	9300-34800+5400	90300	10.12.18	Regular	OBC	09412120240	54	kunwarg2011@gmail.com
9	Computer Programmer	Sh. Ashu Arora	Program Assistant	Computer Science	9300-34800+4800	78800	04.03.06	Regular	Others	08010907124	49	aarora.kvkgbn@yahoo.co.in
10	Farm Manager	Dr. Rajive Kumar Sirohi	Farm Manager	Seed Science	9300-34800+4600	55200	1.07.22	Regular	OBC	8273443441	55	rajivsirohi1967@gmail.com
11	Accountant / Superintendent	**Vacant**										-
12	Stenographer	Sh. Rakesh Kumar	Jr. Steno	-	9300-34800+4200	60400	06.06.06	Regular	OBC	09319367470	55	-
13	Driver	Mohd. Shokin	Driver	-	5200-20200+2800	38100	01.08.17	Regular	OBC	09058541050	50	-
14	Driver	**Vacant**										
15	Supporting staff	Sh. Praduman	Attendant	-	5200-20200+1900	29300	27.02.08	Regular	OBC	09675589243	45	-
16	Supporting staff	**Vacant**										

*** Smt Vinita Singh is on study leave from 09 Oct., 2019 to Dec., 2022**

*** Er. Madhvendra Singh, Assoc. Dir. Ag. Engg/SMS retired on dated 11.11.2022**

Staff Position of KVK, G. B. Nagar

Professor & Head

Dr. Mayank K. Rai (Entomology)

Associate Director

Er. Madhvendra Singh (Agri. Engineering)

Associate Director

Dr. Vipin Kumar (Agronomy)

Subject Matter Specialist

Mrs. Vinita Singh (Home Science)

Dr. Sunil Prajapati (Horticulture)

Dr. Bonika Pant (Fisheries Science)

VACANT

Training Assistant

Mr. K. Ghanshyam (Animal Science)

Program Assistant

Mr. Ashu Arora (Computer)

Farm Manager

Mr. Rajiv K. Sirohi

VACANT

Accountant

Mr. Rakesh Kumar (Jr. Steno)

Mr. Md. Shokin (Driver cum Mechanic)

VACANT

Driver cum Mechanic

Mr. Pradyuman (Attendant)

VACANT

Supporting staff

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

S. No.	Item	Area (ha)
1	Under Buildings	2.0
2.	Under Demonstration Units	0.030
3.	Under Crops	13.01 ha land is under reclamation (sodic soil)
4.	Orchard/Agro-forestry	
5.	Pond	
6.	Others (specify)	

1.7. Infrastructural Development:

A) Buildings

SN	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expend-iture (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	-	-	-	Oct, 06	510	Has been repaired
2.	Farmers Hostel	ICAR	-	-	-	Oct, 06	300	Needs to be renovate
3.	Staff Quarter(6)	ICAR	-	-	-	Oct, 06	400	
4.	Demonstration Units (2)	ICAR	-	-	-	Oct, 06	160	Has been repaired and 04 new units constructed
5.	Fencing	ICAR	-	-	-	Oct, 06	2000 r.m	Boundary wall has reconstructed
6.	Rain Water harvesting	ICAR	-	-	-	-	-	-
7.	Threshing floor	ICAR	-	-	-	Oct, 06	300	Needs to be renovate
8.	Farm godown	ICAR	-	-	-	Oct, 06	60	-do-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total Km. Run	Present status
Motor cycle	22.03.2011	-	42322	Working
Tractor (New Holland) with Baler & Mulcher	2020	Received from New Holland under CSR fund		Good condition

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	Working
Tractor Trolly	2006	88600.00	Working
Raised Bed Multi Crop Planter	2010	57500.00	Not working
Bund Maker	2012	9450.00	Working
Harrow	2022	50404.00	Working
Rotavator	2022	120000.00	Working
Pata	2022	14160.00	Working
Sprayer	2022	11000.00	Working
Weeder	2022	41493.00	Working
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 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	Working
Finger Print Machine	2017	7903.00	Working
1.5 ton Blue star AC	2017	51349.00	Not working
Dell Desktop (03)	2017	141078.00	Working
UPS 600 VA	2017	15354.00	Not working
3.6 KVA Invertor	2019	15812.00	Working

1.8. A). Details SAC meeting* conducted in the year - 1st Meeting organized on 17th Jan, 2022

SN	Name and Designation of Participants	Salient Recommendations	Action taken
1	Dr. P.K. Singh, Dir. Ext., SVPUA&T, Meerut	Director Extension sir directed that a cow has to receive from Live-stock Research Centre, SVPUA&T, Meerut and he instructed to organize training on **Cow based Natural Farming**	Cow has been received from LRC on 03.02.2022. 04 trainings for 80 farmers and farm women on **Cow based Natural Farming** done as well as 02 training for 40 Ext. Workers and 01 training for 10 rural youths also given
2		Director Extension sir advised that all result of FLD and OFT should be supported by pictures which shows comparison	Picture of FLD and OFT has been included in Report.
3		Director Extension sir instructed that all activities carried out by KVK must be uploaded on KVK portal.	All activities are going uploaded on KVK portal as director sir instructed.
4		Soil testing lab should be started to farmer's soil samples on priority basis.	Soil testing laboratory has started since February, 2022 and 217 samples has been analyzed.
5		Director Extension sir instructed to plan training on all subject in next action plan	All subject training (No- 103) has been included in Action Plan – 2023
6	Dr. P.K. Singh, Assoc. Prof., SVPUA&T, Meerut	Dr. P.K. Singh, Assoc. Prof. suggested that training and demonstration on balance fertilization should be conducted.	OFT on water soluble fertilizers on paddy and wheat has conducted and 02 training programs for 38 farmers has also conducted.
7	Dr. S.K. Lodhi, Assoc. Prof., SVPUA&T, Meerut	Dr. S.K. Lodhi, Assoc. Prof., SVPUA&T, Meerut suggested that only one treatment along with farmer practice has to be taken.	Action has been taken for Action Plan – 2023.
8	Km Shivani Tomar, DHO, GB Nagar	Training on horticultural crops should also be organized.	SMS, Horticulture has joined the KVK and training on Horticulture crops has started.
9	Dr. Manjeet Rathore, Veterinary Doctor, GB Nagar	He suggested that sexed semen should be popularized.	A program on sexed semen has conducted on 01st June, 2022.
10	Mr. Brajesh Singh, IFFCO	He advised to popularized nano urea	A OFT on nano urea on basmati paddy has conducted.
11	Mr. Dhan Raj Choudhary, Fishries Dept., GB Nagar	He suggested that 01 fish pond should be started so that training can be conducted.	Fish pond has prepared and one training program has conducted.

- **2nd Meeting organized on 01 Dec., 2022 chaired by Hon'ble VC Professor K.K. Singh, SVPUA&T, Meerut**

2. DETAILS OF DISTRICT (31st Dec., 2022)

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	Piggery
6	Fisheries

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

SN	Crop	Area (ha)	Production (Metric ton)	Productivity (q/ha)
1	Rice	15366	37498	25.33
2	Maize	442	237	5.36
3	Bajra	8304	9719	11.70

4	Urd	1	1	5.87
5	Moong	3	12.28	4.14
6	Arhar	3497	26228	7.50

SN	Crop	Area (ha)	Production (Metric ton)	Productivity (q/ha)
1	Wheat	43503	190	41.76
2	Barley	963	3500	36.34
3	Gram	-	-	-
4	Pea	37	50	15.15
5	Lentil	7	9	12.86
6	Toria	236	379	16.06
7	Mustard	3553	3442	10.27

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
January, 2022	18.00	-	-	-
February, 2022	0.00	-	-	-
March, 2022	22.00	-	-	-
April, 2022	66.00	-	-	-
May, 2022	4.00	-	-	-
June, 2022	67.00	-	-	-
July, 2022	138.00	-	-	-
August, 2022	174.00	-	-	-

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	25/ha/year

2.7 Details of Operational area / Villages (2022)

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	• Lower yield of cereals due to imbalanced use of fertilizer and heavy weed infestations. • In pulses pod borer's problem and wild cows. • In oilseeds nutritional problems (Sulphor deficiency) • Wilt in guava orchard • Alternate bearing & pest problem in mango orchard • In milch animals repeat breeding • Worm's infestation	• IPNM • IWM • IPM • Guava orchard management with respect to wilt. • Mango orchard management • Balanced animal feeding • De-worming
Sadar	Bisrakh	Duryai Thapkheda Dujana Moihayapur	Rice Wheat Jawar Mustard Lentil Vegetables Orchards Dairy Poultry	• Lower yield of cereals due to imbalanced use of fertilizer and heavy weed infestations. • In pulses pod borer's problem and wild cows. • In oilseeds nutritional problems (Sulphor deficiency) • Wilt in guava orchard • Alternate bearing & pest problem in mango orchard • In milch animals repeat breeding • Worm's infestation	• IPNM • IWM • IPM • Guava orchard management with respect to wilt. • Mango orchard management • Balanced animal feeding • De-worming
Jewar	Dankor	Parsol Bilaspur Cheersi Bagpur Cheetee Dadupur Atta-Fatehpur	Rice Wheat Jawar Mustard Lentil Vegetables Orchards Dairy	• Lower yield of cereals due to imbalanced use of fertilizer and heavy weed infestations. • In pulses pod borer's problem and wild cows. • In oilseeds nutritional problems (Sulphor deficiency) • Wilt in guava orchard • Alternate bearing & pest problem in mango orchard • In milch animals repeat breeding • Worm's infestation	• IPNM • IWM • IPM • Guava orchard management with respect to wilt. • Mango orchard management • Balanced animal feeding • De-worming
	Jewar	Chakvee-rampur Dhansia Dastampur Mahmadpur-Jadaun Cheeti Astoli	Rice Wheat Jawar Mustard Lentil Vegetables Orchards Dairy	• Lower yield of cereals due to imbalanced use of fertilizer and heavy weed infestations. • In pulses pod borer's problem and wild cows. • In oilseeds nutritional problems (Sulphor deficiency) • Wilt in guava orchard • Alternate bearing & pest problem in mango orchard • In milch animals repeat breeding • Worm's infestation	• IPNM • IWM • IPM • Guava orchard management with respect to wilt. • Mango orchard management • Balanced animal feeding • De-worming

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Rice/Wheat	Integrated Plant Nutrient Management in Rice-wheat cropping.
Rice/Wheat	Integrated Weed Management in Rice-wheat cropping.
Pulse	Increase area under the kharif and rabi pulses.
Fodder	Round the year green fodder production
Cereals	Integrated Pest Management in crops.
Guava	Rejuvenation of old mango orchards and mgt. of guava orchards.
Vegetables	Organic Vegetables farming
Dairy	To reduce repeat breeding in buffaloes & cows and calf mortality
Poultry	Promotion of Backyard poultry.
Horticulture	Introduction of aromatic & medicine plants.
Kitchen Garden	Nutritional kitchen gardening.
Value Addition	Value addition in fruits and vegetables.

2.9 Intervention/ Programmes for the doubling the farmers income – (Jan – December, 2022) **Demonstrations**

Before Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent Yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
Intercropping System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
Intercropping System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
Mono Cropping System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
Mono Cropping System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
Relay Cropping System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
Relay Cropping System(Kharif-Rabi-Zaid)-Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
Mixed Farming System(Kharif-Rabi-Zaid)-Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
Mixed Farming System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
IFS System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
IFS System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Note- Same format may be used for OFT.

3. TECHNICAL ACHIEVEMENTS

3.A. Target and achievements of mandatory activities by KVK during Jan-Dec., 2022

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
12	07	36	37+ 10 Animals	100.0	130.0 + 25 animals+ 4 fish units	200	324+ 25 animals+ 4 fish units

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	72	71	1440	1424	1000	1336	5000	4639
Rural youth	12	07	120	80				
E.F.	16	10	320	192				
Sponsored	-	12	-	300				
Total	**100**	**100**	**1880**	**1996**				

Seed Production (q)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to farmers	Target	Achievement	Distributed to farmers
-	-	-	20000	-	-

Soil/plant/water Analysis		
7		
Target	Achievement	No. of farmers covered
-	310	185

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Nutrient Mgt.	Wheat	Assessment of water soluble fertilizers on wheat yield and cost of production (Rabi 2021-2)	1	5
Nutrient Mgt	Paddy	Assessment of water soluble fertilizers on Basmati paddy yield and cost of production (Kharif 2022)	1	5
Total			**02**	**10**

Summary of technologies assessed under livestock by KVKs

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Feed Mgt.	Buffalo (2021-22)	Assessment of UMMB complementary feed for controlling infertility in milching animals	1	10
Total			**01**	**10**

Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
Varietal Evaluation	Horticultue	Assessment of High Yielding Variety of fenugreek (Rabi 2022-23)	01	05
Farm machinery	Agril. Engineering	Assessment of different wheat sowing implements after harvesting of paddy (Rabi 2021-22)	01	04
Farm machinery	Agril. Engineering	Impact assessment of various puddling techniques on paddy yield and cost of field preparation. (Kharif 2022)	01	05
Natural food	Fisheries Sc.	Low production of natural fish food in culture ponds	01	03
Total			**04**	**17**

I.B. TECHNOLOGY REFINEMENT – N/A

I.C. TECHNOLOGY ASSESSMENT IN DETAIL

CROP PRODUCTION

OFT-1 Assessment of water soluble fertilizers on wheat yield and cost of production (Rabi 2021-22)

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*	48.2	-	42	44500.00	1.75:1
T_2 - *75*% RFD (120:60:40 kg NPK/ha) as basal + 2 spray of NPK (19:19:19) @ 2.0 kg/acre		52.5	8.9	44.5	46700.00	1.90:1

Field day on On farm trial

OFT-2 Assessment of water soluble fertilizers on Basmati paddy yield and cost of production (Kharif 2022)

Problem definition : High cost of production and higher no. of unfilled grain.

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*	**42.0**	**-**	**44**	**32900.00**	**1.50**
T_2 - *75*% RFD (120:60:40:25 kg NPKZn/ha) as basal + 2 spray of NPK (0:52:34) @ 2.0 kg/acre		**44.6**	**6.2**	**52**	**40600.00**	**1.80**

Soil Testing Result of Soil Sample of Basmati paddy

pH	EC	Organic Carbon %	Available Phosphorus	Available Potash
7.2 - 8.5	0.21 – 0.79	0.32 – 0.55	15.5 – 32.7	169 – 232

OFT-3 Assessment of High Yielding Variety of fenugreek (Rabi 2022-23)

Problem definition: High cost of production and lower yield.

Technology: *Assessment of higher yield potential variety of fenugreek (Pusa Early Bunching)*

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***
Farmer's practice (Local variety)	05	**Result awaited**				
Use of improved variety – Pusa Early Bunching						

OFT-4 Assessment of UMMB complementary feed for controlling infertility in milching animals (Rabi 2021-22)

Problem definition: High incidence of infertility in cows.

Technology: *Assessment of UMMB animal feed supplementation to control the infertility*

KVK, Gautam Buddh Nagar conducted trial to find out suitable remedies for controlling infertility. In this trial UMMB and farmer practice assessed for this problem. UMMB shows better result and more effective than other remedies.

Assessment of UMMB brick

Technology Option	***No. of trials***	***No. of animals***	***No. of heat animals***	***No. of serviced animals***	***No. of pregnant animals***	***Conception rate %***
Farmer's practice (salt)	01	10	3	3	2	20
Use of UMMB@ 1 brick for 7 days/animal		10	9	9	8	80

Training on Urea Molasis Mineral Block under OFT

OFT.5. Assessment of different wheat sowing implements after harvesting of paddy (Rabi 2021-22)

Problem definition: Low yield of wheat due to late sowing after paddy harvesting**.**

Technology Assessed: Sowing through happy seeder after harvesting of paddy

Table - *Effect of various sowing methods on yield of wheat.*

Technology Option	***No. of trials***	***Yield (qt./ha)***	***Increase in yield (%)***	***Net Return (Rs./ha)***	***B:C Ratio***
T_1 - *Farmer's practice* - Broadcasting after harrowing	04	48.0	-	32800.00	1.5:1
T_2 –Sowing through seed drill after one harrowing		54.8	14.2	43900.00	1.7:1
T_3 –Sowing through happy seeder after harvesting of paddy.		52.0	8.3	38700.00	1.6:1

Assessment of wheat sowing implement

OFT.6. Impact assessment of various puddling techniques on paddy yield and cost of field preparation. (Kharif 2022)

Problem definition: Higher cost of field preparation and poor establishment of seedlings after transplanting.

Technology Assessed: Puddling through rotavator and harrow.

Table - *Effect of various puddling techniques*

Technology Option	***No. of trials***	***Yield (qt./ha)***	***Increase in yield (%)***	***Net Return (Rs./ha)***	***B:C Ratio***
T_1 - *Farmer's practice*	05	Result awaited			
T_2 –Puddling through rotavator.					

Assessment of paddy yield by using various puddling techniques

OFT.7.

Problem definition: Low production of natural fish food in culture ponds

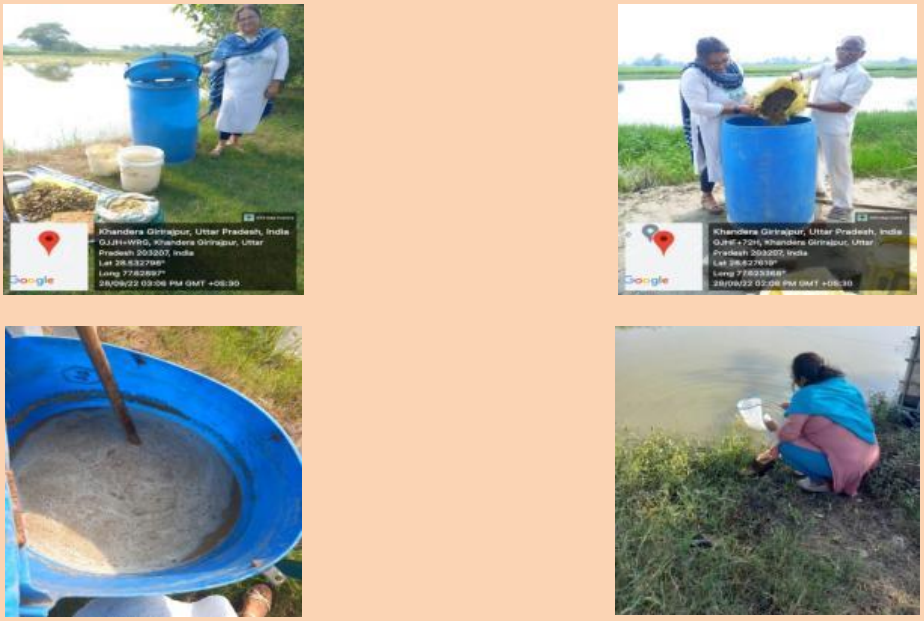
Technology Assessed: Qualitative and quantitative assessment of plankton (Natural food of fish) growth using slurry in ponds.

Table -

Technology Option	***No. of trials***	***Phyto-plankton/lt***	***Zoo-plankton/lt***	***% increase***
T_1 - *Farmer's practice*	03	3000-4000	2-4	Zoo plankton – 62.5% Phyto-plankton – 63.15%
T_2 –Jaggery (5 kg) + Rice bean (10 kg) + Mustard oil (10 kg) + DAP (5 kg) + urea (100 g) was dissolved in 200 l water and kept for 3 days for fermentation. The mixture was agitated in 5-6 hours and was poured in the ponds covering all sides.		9000-10000	8	

Qualitative Observations –

Zoo plankton – *Daphnia, Moina, Brachionus, Cyclops*
Phyto-plankton – *Synedra, Chlorella, Cosmarium, Scenedesmus, Navicula, Melosira, Tabellaria, Cymbella, Euglena*



Assessment of plankton growth using slurry in ponds.

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2021 and recommended for large scale adoption in the district

SN	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Green gram	CRM	Package of agronomy practices for max. production	Demonstration, Training and Gosthi, Field day	42	345	218.0
2	Lentil	ICM	Package of agronomy practices for max. production	Demonstration, Training and Gosthi, field day	15	162	60.0
3	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
4	Wheat	INM	Effect of secondary and micronutrient on wheat	Demonstration, Training and Gosthi	35	175	80.0
5	Paddy (PB)	Varietal Evaluation	Variety Pusa Basmati 1612	Demonstration, Training and Gosthi	30	200	90.0
6	Wheat (PB)	Varietal Evaluation	Variety HD-3086, DBW-88	Demonstration, Training and Gosthi	32	350	200.0
7	Ferti seed drill (AE)	Sowing methods	Sowing of wheat through ferti seed drill	Demonstration, Training and Gosthi	22	68	6.0
8	Laser leveler	RCT	Importance & use of laser levellor	Demonstration, Training and Gosthi	14	70	18.0
9	Ferti seed drill (AE)	Sowing methods	Sowing of wheat through ferti seed drill	Demonstration, Training and Gosthi	22	82	22.0
10	Wheat	CRM	Mechanization for field preparation of wheat after sugarcane& sowing of wheat through zero till ferti seed drill	Demonstration, Training and Gosthi	66	259	82.0

b. Details of FLDs implemented during 2022

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 2021-22	10.0	10.0	02	23	25	-
2	Green gram	ICM	Package of agronomy practices for max. production	Zaid 2022	20.0	20.0	04	46	50	-
3	Black gram	ICM	Package of agronomy practices for max. production	Kharif 2022	20.0	20.0	03	47	50	-
4	Sesame	ICM	Package of agronomy practices for max. production	Kharif 2022	10.0	10.0	10	15	25	-
5	Wheat	Varietal Evaluation	Performance of High yielding wheat variety **HD-3226**	Rabi 2021-22	4.0	4.0	0	10	10	
6	Wheat	Varietal Evaluation	Performance of High yielding wheat variety **DBW-0187**	Rabi 2021-22	4.0	4.0	0	10	10	
7	Wheat	Weed mgt	Demonstration of new weedicide (Clodinafob 9% + metribuzine 20%) for weed mgt. in wheat	Rabi 2021-22	2.0	2.0	01	04	05	-
8	Wheat	RCT	Sowing of wheat through ferti seed drill	Rabi 2021-22	4.0	4.0	0	10	10	-
9	Onion	Varietal Evaluation	Performance of high yielding variety of onion – Agrifound Light Red	Rabi 2022-23	1.0	1.0	0	5	5	-
10	Berseem	Fodder mgt	To increase yield through HYV BL-10	Rabi 2021-22	1.0	1.0	0	10	10	-
11	Paddy	Weed mgt.	Demonstration of new weedicide (Phenoxulum 21.7% @ 50ml/acre)	Kharif 2022	6.0	6.0	0	15	15	-
12	Vermi compost	Soil health	Production of vermin compost for income generation and soil health	Kharif 2022	-	-	01	04	05	-
	Paddy	RCT	Importance of levelling through laser leveller	Kharif 2022	4.0	4.0	-	10	10	-

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 2021-22	Irrigated	Loam & sandy loam	Medium	Medium	Medium	Paddy	12-23.10.2021	18-27.03.2022	55	05
2	Green gram	Zaid 2022	Irrigated	-do-	Low	Medium	Medium	Wheat	24.03.22 – 22.04.22	25.05.22 - 12.06.22	32	03
3	Black gram	Kharif 2022	Irrigated	-do-	Low	Medium	Medium	Sorghum	17-26.08.22	-	482	18
4	Sesame	Kharif 2022	Irrigated	-do-	Low	Medium	Medium	Sorghum	15-28.07.22	-	392	12
5	Wheat	Rabi 2021-22	Irrigated	-do-	Low	Medium	Medium	Paddy	12-18.11.21	22.04.22 to 05.05.22	55	05
6	Wheat	Rabi 2021-22	Irrigated	-do-	Low	Medium	Medium	Paddy	12-18.11.21	22.04.22 to 05.05.22	60	05
7	Wheat	Rabi 2021-22	Irrigated	-do-	Low	Medium	Medium	Paddy	12-18.11.21	22.04.22 to 05.05.22	60	05
8	Wheat	Rabi 2021-22	Irrigated	-do-	Low	Medium	Medium	Paddy	18-28.11.21	25.04.22 to 10.05.22	60	05
9	Onion	Rabi 2022-23	Irrigated	-do-	Low	Medium	Medium	Paddy	11-15.12.22	-	-	-
10	Berseem	Rabi 2021-22	Irrigated	-do-	Low	Medium	Medium	Paddy	20-28.10.2021	05.11.21 to 25.04.22	12	03
11	Paddy	Kharif 2022	Irrigated	-do-	Low	Medium	Medium	Green gram	15-28.06.22	-	592	17
12	Vermi compost	Kharif 2022	Irrigated	-do-	Low	Medium	Medium	-	-	-	-	-
13	Paddy	Kharif 2022	Irrigated	-do-	Low	Medium	Medium	Green gram	18-22.06.22	-	592	17

Technical Feedback on the demonstrated technologies

S N	Crop	Feed Back
1	Wheat	For weed control in wheat Clodinofop 9% + Metribuzine 20% found effective to control broad as well as narrow leaved and grassy weeds.
2	Mustard	Variety RH-0749 performed very good in case of yield and oil content.
3	Wheat	Field preparation through mulcher after harvesting of paddy shows significant reduction in cost of field preparation and effective for paddy stubble management
4	Sesame	Good germination and growth has been found in variety GJT-5.
5	Onion	Good germination and growth has been found in variety Agrifound Light Red.
6	Fish	Increase in natural fish food production was noticed in the ponds

Farmers' reactions on specific technologies

S N	Crop	Feed Back
1	Wheat	Clodinofop 9% + Metribuzine 20% found effective for total weed control in wheat.
2	Paddy	Phenoxulm @50 ml /acre is effective as and when applied 10-15 DAT.
3	Wheat	Sowing of wheat through ferti seed drill reduces no. of weeds in crop field.
4	Onion	Sowing of Agri-found Light Red variety of onion increase the growth and yield.
5	Fish	Farmers concluded that using slurry is a adaptable low cost technology in feed management of fishes.

Extension and Training activities under FLD

SN	Activity	No. of activities organized	Number of participants	Remarks
1	Field days	15	322	-
2	Farmers Training	5	118	-
3	Media coverage	-	-	-
4	Training for extension functionaries	02	40	-

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops (Cluster demonstration)

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Mustard																		
Rabi 2021-22	ICM	Package of agronomy practices for max. production	RH-0749	25	10.0	18.8	15.5	17.5	15.2	15.1	39500	118750	79250	3.00:1	37800	103800	66000	2.70:1
Rabi 2022-23	ICM	Package of agronomy practices for max. production	Giriraj+ Sulphur	50	20.0	Result awaited												
Sesame (Til)																		
Kharif 2022	ICM	Package of agronomy practices for max. production	GJT-5	25	10.0	8.25	4.80	6.70	5.80	15.5	18800	46900	28100	2.60	17600	40600	23000	2.30

CFLD on Mustard

CFLD on Sesame

Frontline demonstration on pulse crops (Cluster demonstration)

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Green gram (Moong)																		
Zaid 2022	ICM	Package of agronomy practices for max. production	Shikha	50	20.0	10.8	8.3	9.25	8.20	12.8	42325	53650	11325	1.30:1	39825	47570	7735	1.20:1
Black gram (Urd)																		
Kharif 2022	ICM	Package of agronomy practices for max. production	Mukandra -2	50	20.0	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

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Avg.												
Cereals																			
Wheat timely sown Rabi 2021-22	Varietal Evaluation	HYV demonstration (Variety HD-3226)	10	4.0	52.00	46.00	48.6	43.8	11.0	No. of tillers– 78/m^2	No. of tillers– 92/m^2	68500	115985	47485	1.70:1	67200	104505	37305	1.50:1
	Varietal Evaluation	HYV demonstration (Var.- DBW-0187)	10	4.0	52.80	48.0	50.5	43.8	15.3	No. of tillers– 78/m^2	No. of tillers– 95/m^2	68500	120900	52400	1.75:1	67200	104505	37305	1.50:1
	Weed mgt.	ACM-9 (Clodinofob 9% + Matribuzine 20% @ 240 gm/acre)	05	2.0	52.00	46.00	48.6	43.8	11.0	No. of weeds – 8/m^2	No. of weeds – 19./m^2	68500	115985	47485	1.70:1	67200	104505	37305	1.50:1
Wheat (Rabi 22-23)	Varietal Evaluation	HYV demonstration (Var.- DBW-0187)	05	2.0	**Result awaited**														
Wheat (Rabi 22-23)	Varietal Evaluation	HYV demonstration (Var.- DBW-222)	05	2.0	**Result awaited**														
Paddy Kharif 2022	Weed mgt.	Demonstration of new weedicide (Phenoxulum @ 50ml/acre)	15	6.0	42.5	37.5	38.80	36.50	6.3	No. of weeds – 10/m^2	No. of weeds – 18/m^2	85300	195200	109900	2.30	82800	171500	88700	2.10
Vegetables																			
Onion																			
	Varietal Evaluation	Performance of HYV of onion – Agrifound Light Red	05	1.0	**Result Awaited**														

FLD on Fodder crop

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Avg.												
Fodder Crop																			
Berseem																			
Rabi 2021-22	Fodder production	HYV for max production BL-10	10	1.0	780	670	738	640	15.3	No. of cutting – 05	No. of cutting – 03	22250	98900	76650	3.4:1	20150	75350	55200	2.7:1

Berseem Seed distribution under Fodder FLD

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/hour/l/h)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labor	Irrigation	Total
Zero till ferti seed drill (Rabi 21-22))	Wheat	Sowing of wheat through ferti seed drill	10	4.0	Tillers/m^2 Yield (q/h)	178 48.0	121 43.6	10.0	-	6	5	11	-	3300.00	-	3300.00
Laser leveler (Kharif 2022)	Paddy	Importance of levelling through laser leveller	10	4.0	Irrigation cost	4	6	-33.0	-	2	-	2	-	600.00	800.00	1400.00

FLD conducted under Farm implements

FLD on Livestock

1. **Feeding of mineral mixture and deworming to enhance milk production and regulate normal fertility (2021-22)**

Enterprise	Type of animal	Name of the technology	No. of animals	No. of demonstration	Fertility parameter conception after parturition (60 days)		Milk yield parameter Additional milk yield (l/day)		
					Demo	Check	Demo	Check	% increase in Milk yield
Dairy husbandry	Buffalo	Use of mineral mixture @ 50 gm/day/animal + deworming 2-3 times in a year	10	10	09	03	8.75	7.60	15.1

Mineral Mixture distribution to farmers

2. **Control of Mastitis disease in milching animals**

Enterprise	Type of animal	Name of the technology	No. of animals	No. of demonstration	No. of animal cured		Percent cured
					Demo	Check	
Dairy husbandry	Milching animals	Use of masti out plus kit	15	15	14	-	93.33

Mastiout 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)
Composite fish culture																	
	Water quality mgt	Maintaining dissolved oxygen (DO) in fish ponds by using chemical supplement	**04**	**04**	**Dissolved Oxygen – 8.5 ppm Free CO_2 – 0.5 ppm**	**Dissolved Oxygen – 5.5 ppm Free CO_2 – 4.5 ppm**	**54.5 % increase 88.5% decrease**	**Temp. TDS EC Alkalinity pH**	**Temp. TDS EC Alkalinity pH**	**Result awaited as the experiment was done in fish fingerlings pond**							

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

Using H_2O_2 tablets as chemical supplements

FLD on Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.) or Rs./unit				Economics of check (Rs.) or Rs./unit			
				Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Vermi Compost																
	Vermi compost production	10	02 gr. of women	Vermi compost production - 2.3 q	Vermi compost production – 1.8 q	27	Worms – 8.0	Worms – 2.0	1200	3780	2580	3.15	800	1680	880	2.10

Selling price of vermin compost @6/kg and worms@ 300/kg

III. Training Programme (Jan to December, 2022)

Farmers' Training including sponsored training programmes (On campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	1	16	-	16	4	-	4	20	-	20
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation	1	17	-	17	1	-	1	18	-	18
Seed production										
Nursery management	1	18	-	18	2	-	2	20	-	20
Integrated Crop Management	2	35	-	35	5	-	5	40	-	40
Soil & water conservation										
Integrated nutrient management	1	17	-	17	3	-	3	20	-	20
Production of organic inputs										
Others (Natural Farming)	1	16	1	17	3	-	3	19	1	20
Total	**7**	**119**	**1**	**120**	**18**	**-**	**18**	**137**	**1**	**138**
II Horticulture										
a) Vegetable Crops										
Production of low value and high volume crops										
Off-season vegetables										
Nursery raising	1	1	19	20	-	-	-	1	19	20
Exotic vegetables										
Export potential vegetables	1	1	-	1	19	-	19	20	-	20
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	**2**	**2**	**19**	**21**	**19**	**-**	**19**	**21**	**19**	**40**
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)	**2**	**2**	**19**	**21**	**19**	**-**	**19**	**21**	**19**	**40**
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production & mgt.										
Dairy Management	1	13	3	16	2	2	4	15	5	20
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management	5	53	11	64	27	9	36	80	20	100
Feed & fodder technology										
Production of quality animal products										
Others (cow based natural farming)	1	15	3	18	2	-	2	17	3	20
Total	**7**	**81**	**17**	**98**	**31**	**11**	**42**	**112**	**28**	**140**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
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										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery										

reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinery and its maintenance	1	18	-	18	2	-	2	20	-	20
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)	3	54	-	54	6	-	6	60	-	60
Total	**4**	**72**	**-**	**72**	**8**	**-**	**8**	**80**	**-**	**80**
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	1	8	9	17	2	-	2	10	9	19
Carp fry and fingerling rearing										
Composite fish culture	1	8	6	14	4	-	4	12	6	18
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes	1	5	8	13	4	3	7	9	11	20
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total	**3**	**21**	**23**	**44**	**10**	**3**	**13**	**31**	**26**	**57**
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**	**295**	**60**	**355**	**86**	**14**	**100**	**381**	**74**	**455**

Farmers' Training including sponsored training programmes (off campus)

Thematic area	**No. of courses**	**Participants**								
		Others			**SC/ST**			**Grand Total**		
		Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
I Crop Production										
Weed Management	3	49	-	49	12	-	12	61	-	61
Resource Conservation Technologies										
Cropping Systems	1	18	-	18	2	-	2	20	-	20
Crop Diversification	3	50	-	50	10	-	10	60	-	60
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management	1	17	-	17	3	-	3	20	-	20
Integrated Crop Management	1	19	-	19	1	-	1	20	-	20
Soil & water conservation										
Integrated nutrient management	3	48	-	48	13	-	13	61	-	61
Production of organic inputs										
Others										
Soil health	3	51	-	51	11	-	11	62	-	62
Natural farming	1	18	-	18	3	-	3	21	-	21
Total	**16**	**270**	**-**	**270**	**55**	**-**	**55**	**325**	**-**	**325**
II Horticulture										
a) Vegetable Crops										
Production of low value and high volume crops										
Off-season vegetables	1	-	19	19	-	1	1	-	20	20
Nursery raising										
Exotic vegetables										
Export potential vegetables	1	2	12	14	4	2	6	6	14	20
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	**2**	**2**	**31**	**33**	**4**	**3**	**7**	**6**	**34**	**40**
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 (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)	**2**	**2**	**31**	**33**	**4**	**3**	**7**	**6**	**34**	**40**
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management	2	41	-	41	-	-	-	41	-	41
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	3	25	25	50	9	1	10	34	26	60
Disease Management	9	97	45	142	41	-	41	138	45	183
Feed & fodder technology										
Production of quality animal products										
Others (Cow based natural	1	17	-	17	3	-	3	20	-	20

farming)										
Total	**15**	**180**	**70**	**250**	**53**	**1**	**54**	**233**	**71**	**304**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
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										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinery and its maintenance	3	54	-	54	6	-	6	60	-	60
Installation and maintenance of micro irrigation systems	3	54	-	54	6	-	6	60	-	60
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)	7	126	-	126	14	-	14	140	-	140
Total	**13**	**234**	**-**	**234**	**26**	**-**	**26**	**260**	**-**	**260**
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	1	16	-	16	4	-	4	20	-	20
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										

Fish processing and value addition	1	-	20	20	-	-	-	-	20	20
Others (pl specify)										
Total	**2**	**16**	**20**	**36**	**4**	**-**	**4**	**20**	**20**	**40**
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	**48**	**702**	**121**	**823**	**142**	**4**	**146**	**844**	**125**	**969**

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

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	4	65	-	65	16	-	16	81	-	81
Resource Conservation Technologies										
Cropping Systems	1	18	-	18	2	-	2	20	-	20
Crop Diversification	3	50	-	50	10	-	10	60	-	60
Integrated Farming										
Micro Irrigation/irrigation	1	17	-	17	1	-	1	18	-	18
Seed production										
Nursery management	2	35	-	35	5	-	5	40	-	40
Integrated Crop Management	3	54	-	54	6	-	6	60	-	60
Soil & water conservation										
Integrated nutrient management	4	65	-	65	16	-	16	81	-	81
Production of organic inputs										
Soil sampling										
Others										
Soil health	3	51	-	51	11	-	11	62	-	62
Natural farming	2	34	1	35	6	-	6	40	1	41
Total	**23**	**389**	**1**	**390**	**73**	**-**	**73**	**462**	**1**	**463**
II Horticulture										
a) Vegetable Crops										

Production of low value and high valume crops										
Off-season vegetables	1	-	19	19	-	1	1	-	20	20
Nursery raising	1	1	19	20	-	-	-	1	19	20
Exotic vegetables										
Export potential vegetables	2	3	12	15	23	2	25	26	14	40
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	**4**	**4**	**50**	**54**	**23**	**3**	**26**	**27**	**53**	**80**
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 (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)	**4**	**4**	**50**	**54**	**23**	**3**	**26**	**27**	**53**	**80**
III Soil Health and Fertility Management										

Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management	3	54	03	57	2	2	4	56	5	61
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	3	25	25	50	9	1	10	34	26	60
Disease Management	14	150	56	206	68	9	77	218	65	283
Feed & fodder technology										
Production of quality animal products										
Others (Cow based natural farming)	2	32	3	35	5	-	5	37	3	40
Total	**22**	**261**	**87**	**348**	**84**	**12**	**96**	**345**	**99**	**444**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
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										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinery and its maintenance	3	54	-	54	6	-	6	60	-	60
Installation and maintenance of micro irrigation systems	3	54	-	54	6	-	6	60	-	60
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)	11	198	-	198	22	-	22	220	-	220
Total	**17**	**306**	**-**	**306**	**34**	**-**	**34**	**340**	**-**	**340**
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	1	8	9	17	2	-	2	10	9	19
Carp fry and fingerling rearing	1	16	-	16	4	-	4	20	-	20
Composite fish culture	1	8	6	14	4	-	4	12	6	18
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes	1	5	8	13	4	3	7	9	11	20
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition	1	-	20	20	-	-	-	-	20	20
Others (pl specify)	**5**	**37**	**43**	**80**	**14**	**3**	**17**	**51**	**46**	**97**
Total										
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	**71**	**997**	**181**	**1178**	**228**	**18**	**246**	**1225**	**199**	**1424**

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

Area of training	**No. of Courses**	**No. of Participants**								
		General			**SC/ST**			**Grand Total**		
		M	**Fe**	**T**	**Ma**	**Fe**	**T**	**M**	**Fe**	**T**
Nursery Management of Horticulture crops	1	9	3	12	3	-	3	12	3	15
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs	2	16	-	16	4	-	4	20	-	20
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements	1	8	-	8	2	-	2	10	-	10
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts (Tie & dye)										
Production of quality animal products										
Dairying	2	10	6	16	-	4	4	10	10	20
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries	1	2	10	12	-	3	3	2	13	15
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Income generation activities for employment of rural women (Printing & Designing)										
TOTAL	**7**	**45**	**19**	**64**	**9**	**7**	**16**	**54**	**26**	**80**

Training for Rural Youths including sponsored training programmes (Off campus) - NA

Area of training	**No. of Courses**	**No. of Participants**								
		General			**SC/ST**			**Grand Total**		
		M	**Fe**	**T**	**Ma**	**Fe**	**T**	**M**	**Fe**	**T**
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										

Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
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										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL										

Training for Rural Youths including sponsored training programmes – CONSOLIDATED (On + off campus)

Area of training	**No. of Courses**	**No. of Participants**								
		General			**SC/ST**			**Grand Total**		
		M	**Fe**	**T**	**Ma**	**Fe**	**T**	**M**	**Fe**	**T**
Nursery Management of Horticulture crops	1	9	3	12	3	-	3	12	3	15
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs	2	16	-	16	4	-	4	20	-	20
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements	1	8	-	8	2	-	2	10	-	10
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts (Tie & dye)										
Production of quality animal products										
Dairying	2	10	6	16	-	4	4	10	10	20
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries	1	2	10	12	-	3	3	2	13	15
Composite fish culture										
Freshwater prawn culture										

Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Income generation activities for employment of rural women (Printing & Designing)										
TOTAL	**7**	**45**	**19**	**64**	**9**	**7**	**16**	**54**	**26**	**80**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	Fe	T	M	Fe	T	M	Fe	T
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements	2	36	-	36	4	-	4	40	-	40
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals	2	22	18	40	-	-	-	22	18	40
Livestock feed and fodder production										
Household food security										
Any other (Cow based natural farming)	2	-	40	40	-	-	-	-	40	40
Soil testing	1	16	-	16	-	-	-	16	-	16
Water Mgt.	2	37	-	37	4	-	4	41	-	41
Fishries	1	9	1	10	4	1	5	13	2	15
TOTAL	**10**	**120**	**59**	**179**	**12**	**1**	**13**	**132**	**60**	**192**

Training programmes for Extension Personnel including sponsored training programmers (off campus) - NA

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	Fe	T	M	Fe	T	M	Fe	T
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
ICM										
Water Mgt.										
TOTAL										

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	Fe	T	M	Fe	T	M	Fe	T
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements	2	36	-	36	4	-	4	40	-	40
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals	2	22	18	40	-	-	-	22	18	40
Livestock feed and fodder production										
Household food security										
Any other (Cow based natural farming)	2	-	40	40	-	-	-	-	40	40
Soil testing	1	16	-	16	-	-	-	16	-	16
Water Mgt.	2	37	-	37	4	-	4	41	-	41
Fishries	1	9	1	10	4	1	5	13	2	15
TOTAL	**10**	**120**	**59**	**179**	**12**	**1**	**13**	**132**	**60**	**192**

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)	02	78	-	78	22	-	22	100	-	100
NTPC Trainings under Basmati Paddy Seed Production	10	177	-	177	23	-	23	200	-	200
GRAND TOTAL	**12**	**255**	**-**	**255**	**45**	**-**	**45**	**300**	**-**	**300**

Name of sponsoring agencies involved

SN	Sponsoring agency name
1	State Govt. through university
2	NTPC, Dadri, Gautam Buddh Nagar

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Commercial floriculture										
Commercial fruit production										
Commercial vegetable production										
Integrated crop management										
Organic farming										
Others (pl. specify)										
Total										
Post-harvest technology and value addition										
Value addition										
Others (Post- harvest processing and packaging of fruits & vegetables.)										
Total										
Livestock and fisheries										
Dairy farming										
Composite fish culture										

Sheep and goat rearing										
Piggery										
Poultry farming										
Others (Livestock prodn and mgt.)										
Total										
Income generation activities										
Vermi composting										
Production of bio-agents, bio-pesticides,										
bio-fertilizers etc.										
Repair and maintenance of farm machinery										
and implements										
Rural Crafts										
Seed production										
Sericulture										
Mushroom cultivation										
Nursery, grafting etc.										
Tailoring, stitching, embroidery, dying etc.										
Agril. para-workers, para-vet training										
Others (Orchard mgt. & maintenance)										
Total										
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total										
Grand Total										

Details of training programmes attached in **Annexure -I**

Off Campus Animal husbandry training

Off Campus Agriculture training program

Off Campus Agronomy training progrm

Off Campus Agriculture training program

Training on Cow based natural farming

Extenion workers trg. Program at Vikas Bhawan

Extension functionaries training

Training on Basmati paddy seed production at NTPC

On Campus training photo of Agronomy

On Campus training photo of Agriculture Engg.

NTPC Training photograph

NTPC Training photograph

Training Photographs

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL (farmer + Extn Personnel)
Advisory Services	75	412	22	434
Diagnostic visits	12	170	10	180
Field Day	16	248	22	270
Group discussions	2	52	2	54
Kisan Ghosthi	12	380	12	392
Self -help groups	2	138		138
Kisan Mela	2	579	68	647
Scientists' visit to farmers field	66	455	8	463
Farmers' seminar/workshop	1	62	6	68
Method Demonstrations	2	18	4	22
Celebration of important days	3	222	52	274
Exposure visits	1	60	0	60
Others	68	436	18	454
Scientist visit	322	409	22	431
Farmers visit to KVK	752	752	0	752
Total	**1336**	**4393**	**246**	**4639**

Details of other extension programmes

Particulars	Number
Extension Literature	04
Newspaper coverage	05
Research Paper	-
Popular articles	04
TV Talks	04
Leaflet	
Technical Article	-
Technical Report	03
Total	**20**

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	26	11	4	6	18	6	71
	Voice only	11	3	-	7	12	4	37
	Voice & Text both	14	8	6	11	12	7	58
	Total Messages	**51**	**22**	**10**	**24**	**42**	**17**	**166**
	Total farmers Benefitted	**82**	**46**	**42**	**48**	**62**	**59**	**339**

Extension Activity Photographs

Director Extension sir at NTPC training program

Director ATARI, Ludhiyana sir at KVK GB Nagar

Dr. P.K. Singh, Dir. Ext., SVPUA&T sir visited KVK GB Nagar in training program " Mausam Puravanuman"

Training under World Pulse Day

Women Training under International Women Day

Basmati Paddy Seed Production and awareness training programme at NTPC Campus

Exposure Visit to NAS Complex, New Delhi on the occasion of World Milk Day on 01st June, 2022

Seed distribution program under Basmati Paddy Seed Production and awareness training programme at NTPC Campus

Organic Farming trail at KVK farm

Products under Cow based Natural Farming

Products under Cow based Natural Farming

Newly constructed Gau Palan Unit at KVK

Advisory services at CISF Campus, Noida

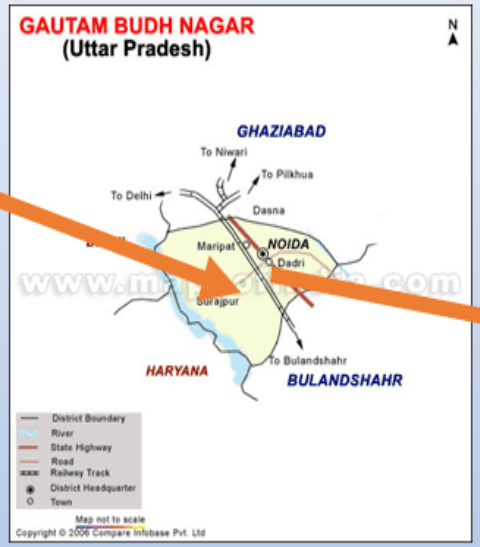
Diagonostic visit at Vill. - Khursadpura

Field Visit

Training program for farm women at Village Milak

Awareness program at School by KVK Scientists

Krishi Vigyan Kendra, Gautam Buddh Nagar: At a Glance



KVK, G.B. Nagar

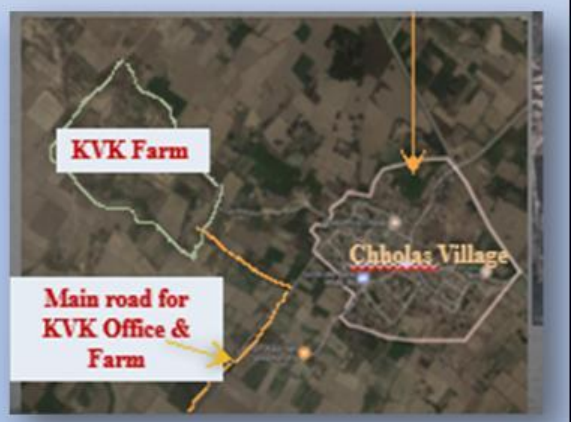
- Village: Noorpur Chholas
- Block: Dadri
- Establishment Year: 2005
- KVK Building handed over: 2009
- Total land: 15.04 ha

Infrastructure Development at KVK, G.B.Nagar

Total Land with KVK	15.04 ha

S. No.	Component	Area (ha)
1	Buildings	2.0
2.	Demonstration Units	0.03
3.	Crops	13.01 ha land is under reclamation (sodic soil)
4.	Horticulture	
5.	Fisheries Pond	
6.	Others	

Revolving Fund: Rs. 6,42000.45



Infrastructure Development at KVK, G.B.Nagar

Vermicompost: Training & Demonstration Unit

Fisheries Pond: Training & Demonstration Unit

Azolla & Blue Green Algae: Training & Demonstration Unit

Shade Net: Training & Demonstration Unit

Poultry Farming: Training & Demonstration Unit

Agriculture Engineering :Training & Demonstration Unit

Facilities at KVK, G. B. Nagar

Facilities	Units
Soil testing lab	01 No.
Bio-control Lab	01 No.
Natural farming unit	01 No.
Farmers' Hostel	01 No.
Agriculture Technology Information Centre (ATIC)	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 & Bio-control Lab

Agriculture Technology Information Centre

Natural Farming Unit

Upcoming facilities:
- Weather Station
- Hi-tech Nursery

Glimpse of Extension Activities at KVK, G. B. Nagar










Glimpse of Extension Activities at KVK, G. B. Nagar

Advisory visit to CISF Headquarters, Noida

Visit to Village Maincha

Visit to Village Nagla Nainsukh

Visit to Village Khursaidpura

Visit to Village Roopwas

Visit to Village Kot

Visit to Village Chholas

Visit to Village Khandera

Achievements of RKVY at KVK, G. B. Nagar

S. No.	Units	Work Status
1.	Administrative building	Completed
2.	Boundary Wall	Completed
3.	Poultry Unit	Completed
4.	Vermi-compost unit	Completed
5.	Azolla & BGA unit	Completed
6.	Interlocking	Completed
7.	Shade net house	Completed
8.	Natural farming unit	Completed
9.	Fisheries Pond	Completed
10.	Tubewell	Work in progress
11.	Water harvesting pond	Work in progress
12.	Irrigation channel	Work in progress
13.	Gypsum	Work in progress
14.	Land leveling	Work in progress
15.	Polyhouse	Work in progress
16.	Solar Unit	Not started

Visit of Director, Extension (SVPUAT) to Vermi-compost Unit

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

Special Programmes at KVK, G. B. Nagar

Scientific Advisory Committee Meeting
Date: 17.1.2022
Venue: KVK, Meeting Hall

Chief Guest:
Dr. P. K. Singh, Director Extension, SVPUAT, Meerut

Rural Agro-Met Service Goshthi
Date: 2.2.2022
Venue: KVK, G B Nagar

कृषि विज्ञान केंद्र पर किसान जागरूकता कार्यक्रम में बोलते वैज्ञानिक।

मोतीपुरम। कृषि मौसम प्रक्षेत्र इकाई कृषि विश्वविद्यालय के तत्वाधान 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 एडीमेट 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 सहा 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 साही ने बताया कि कल से दो दिन

Chief Guest:
Dr. K.K. Singh, Agromet head, Bharat Mausam Vigyan Vibhag, New Delhi

World Pulse Day
Date: 10.2.2022
Venue: Village Jarcha

International Women's Day
Date: 8.3.2022
Venue: Primary School, Village Kalonda

Chief Guest:
Ms. Isha, SPO

Kisan Bhagidari, Prathmikta Hamari
Date: 26.4.2022
Venue: KVKV, G B Nagar

Chief Guest:
Dr. Rajeev Kumar Arora, DD Ag. Noida, Gautam Budh Nagar

World Milk Day- Exposure Visit
Date: 01.6.2022
Venue: NASCV, New Delhi

Chief Guest:
Dr. Sanjeev Kumar Baliyan, Hon'ble State Minister (Fisheries, AH & Dairying)

Special Programmes- KVK, G. B. Nagar

Paddy Seed Distribution under SC Sub Plan programme
Date: 18.5.2022
Venue: KVK , G B Nagar

Garib Kalyan Sammelan programme
Date: 31.5.2022
Venue: KVK , G B Nagar

Workshop on Energy conservation by UPNEDA

Date: 8.6.2022

Venue: KVK, Meeting Hall

Chief Guest:

Dr. Rajeev Kumar Arora, DD Ag. Noida, Gautam Buddh Nagar

Celebration of Independence Day: "Har Ghar Tiranga Programme"

NTPC- CSR Activity Training by KVK, GB Nagar

Fund received – Rs. 10,18,600.00

S. No.	Activity	Quantity	Beneficiary	Month / Remarks
1	Training – 10	10	200	Feb-March & May
2	Seed Distribution (Foundation)	20 kg/farmer (Total – 40 q)	200	PB-1121, 1637
3	Trichoderma	2.5 kg/farmer (Total – 5.0 q)	200	June, 2022

Chief Guest: Dr. P.K. Singh , Director Extension, SVPUAT, Meerut

Awareness on the recent Lumpy Skin Disesase by KVK, GB Nagar

Greater Noida News : गायों में तेजी से फैल रही है लम्पी स्किन डिजीज

कृषि विज्ञान केंद्र की ओर से बंबावड़ में हुआ पशुपालन प्रशिक्षण एवं जागरुकता कार्यक्रम

by वेदान्त गंग — 08/29/2022 In Gautam-Budh-Nagar, Greater Noida

Greater Noida : ग्रेटर नोएडा। कृषि विज्ञान केन्द्र की ओर से ग्राम बम्बावड़ में पशुपालन प्रशिक्षण एवं जागरुकता कार्यक्रम का आयोजन किया गया। केन्द्र के पशुपालन विशेषज्ञ डॉ. कुंवर चनरधाम ने दुधारू पशुओं में विशेष रूप से गायों में आजकल तेजी से फैल रही लम्पी स्किन डिजीज (एलएसडी) के बारे में विस्तार से जानकारी दी। उन्होंने बताया कि यह एक वायरल बीमारी है, जिससे पशु के सारे शरीर पर गांठें बन जाती हैं और इसमें बुखार पशु पड़ने लगता है। यह एक संक्रामक रोग है, जो विषाणुजनित है। पशु के शरीर पर बनी गांठों का यदि इलाज न किया जाये तो उसमें कीड़े भी लग जाते है। इस रोग की शुरुआत में तेज बुखार, तिम्फ ग्रंथियों में सूजन व घाव छोटे से बड़े तक हो सकते हैं। दूध उत्पादन में कमी, पशुओं में तनाव, त्वचा की एलर्जी, भूख न लगना, अत्यधिक लार गिरना, आंखों में लालिमा (कंजक्टिवाइटिस), शरीर के विभिन्न भागों में सूजन व पानी भर जाता है। कभी-कभी पशु की मृत्यु भी हो जाती है। इसमें मृत्युदर एक से 5 प्रतिशत तक है।

रोग के प्रसार का मुख्य कारण मच्छर एवं मक्खी है। उन्होंने बीमार पशु को स्वस्थ पशु से दूर रखने का सुझाव दिया। इसके बीमार पशु का जूठा चारा एवं पानी अन्य स्वस्थ पशुओं को न देने, पशुशाला में सफाई रखने की सलाह दी। उन्होंने यह भी कहा कि जिन पशुओं की इम्युनिटी कमजोर है, उन्हें यह बीमारी जल्द होने की संभावना है। इसलिए पशुओं को संतुलित आहार, खनिज लवण उचित मात्रा में देना चाहिए। इस समय बाहर से कोई भी पशु खरीदकर न लाए। अगर घाव में कीड़े दिखाई दें तो नारियल के तेल में कपूर मिलाकर लगाए। वैक्सीन के द्वारा ही इस रोग पर नियंत्रण एवं रोकथाम की जा सकती है। उन्होंने कहा कि पशुओं में यदि इस प्रकार का कोई लक्षण दिखाई दे तो तुरन्त निकटतम पशु चिकित्सा

Trainings/ workshops/conferences attended by the scientists of KVK, GB Nagar in 2022

S. No.	Name	Venue	Date	Attendee Scientist
1.	HRD Training on diversification in rice-wheat cropping system	Directorate of Extension, SVPUAT, Meerut	16-17 February 2022	Dr. Vipin Kumar
2.	Training Programme on natural and organic farming	ICAR-IIFR, Meerut	22-23 March 2022	Mr. Kuwar Ghanshyam
3.	Workshop on pesticide residue free quality basmati production	School of Agriculture, Sanskriti University, Mathura, UP	18 July 2022	Dr. Vipin Kumar
4.	International Conference on " Harnessing Indian agriculture for indigenous and global prosperity"	A.P. Shinde Hall, NASC, ICAR, New Delhi	23-24 July 2022	Dr. Bonika Pant
5.	National Workshop on PSAP: Agriculture Innovation and Technology	A.P. Shinde Hall, NASC, ICAR, New Delhi	17 August 2022	Dr. Sunil Prajapati Dr. Bonika Pant
6.	Orientation Training Programme for Newly Recruited SMSs	Directorate of Extension, SVPUAT, Meerut	23-24 August 2022	Dr. Sunil Prajapati Dr. Bonika Pant
7.	Awareness Program on NABL Accreditation	Directorate of Extension, SVPUAT, Meerut	26 August 2022	Dr. Vipin Kumar Dr. Rajiv Sirohi

Extension Publications 2022 - KVK, G. B. Nagar

कृषि विज्ञान केन्द्र, गौतमबुद्ध नगर

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

मृदा परीक्षण की आवश्यकता एवं मृदा नमूना लेने की विधि

मृदा उर्वरता की सही स्थिति का पता लगाने के लिए मृदा परीक्षण ही सर्वश्रेष्ठ एवं भरोसेमंद विकल्प है। कम लागत में उत्पादन प्राप्त करना है तो यह आवश्यक है कि किसान भाई अपने खेत की मिट्टी का परीक्षण अवश्य कराएँ। इससे किसानों को जानकारी होगी कि उर्वरक की कितनी मात्रा किसानों को अपने खेत में उपयोग करनी चाहिए तथा न केवल मृदा स्वस्थ रखी रहेगी बल्कि उत्पादन लागत में कमी के साथ-साथ प्रजाति की आनुवंशिक क्षमता के अनुरूप गुणवत्ता युक्त उत्पादन तथा उत्पादकता भी प्राप्त होगी।

मृदा परीक्षण के उद्देश्य :

1. मिट्टी से ग्रहण किये जाने वाले विभिन्न पोषक तत्वों की उपलब्ध मात्रा ज्ञात करने के लिये।
2. भूमि की उर्वरा शक्ति की जानकारी के लिए।
3. ऊसर व क्षारीय आदि समस्याओं की जानकारी अथवा इनके निवारण के लिए।
4. बाग-बगीचे लगाने हेतु भूमि की स्थिति ज्ञात करने के लिए।
5. नहरों द्वारा सिंचाई से पास की भूमि के कल्लर बन जाने के कारणों एवं उसके सुधार उपायों का पता लगाने के लिए।
6. ऐसी फसलों एवं उनकी प्रजातियों की सिफारिश करना जो क्षारीयता एवं लवणीयता को सहन करने की क्षमता रखती है।

आवश्यक उपकरण :

1. ऊपरी सतह से नमूना लेने के लिए खुरपी या टयूब ऑगर।
2. अधिक गहराई या गीली मिट्टी से नमूना लेने के लिए पोस्ट होल ऑगर।
3. सख्त मिट्टी से नमूना लेने के लिए वर्मा का प्रयोग करें।
4. गड्ढे खोदने के लिए कस्सी या बेलचा का प्रयोग करें।

मृदा नमूना लेने की विधि :

खेत को मिट्टी की बनावट, ढाल और उत्पादकता के आधार पर बांट लें। पुरानी मेड़े, कम्पोस्ट के गड्ढे, छायेदार स्थान, असमतल खेत के गड्ढे वाले भाग तथा खाद डाले गये स्थान से मृदा नमूना न लें। पेड़ के पास, सड़क के किनारे व नाली के पास से मृदा नमूना नहीं लेना चाहिए। प्रत्येक भाग में टेढ़े मेढ़े चलते हुए 8-10 निशान लगा लें। पेड़ों के नीचे, खाद के गड्ढों के पास तथा खेत के चारों ओर की लगभग 6 फुट दूरी तक निशान न लगाएं। प्रत्येक खेत का आकार 1 एकड़ से अधिक न रखें। निशान लगाये गये स्थानों से खुरपी, घास आदि को हटा दें। फसलों के लिए ऊपरी सतह 6 इंच से पहले से निशान लगाये गये 8-10 स्थानों से नमूना लें। सतह से नमूना लेने के लिए खुरपी या कस्सी की सहायता से 'V' आकार का गड्ढा 6 इंच गहराई तक बनायें तथा किनारे से एक इंच मोटी पर्त लें। बाग या अन्य वृक्षों के लिए 0-1, 1-2, 2-3 फुट की गहराई तक अलग-अलग तीन नमूने लें। लवणीय एवं क्षारीय मृदाओं से नमूना लेने के लिए यदि लवण की पर्त मृदा की ऊपरी सतह पर दिखाई दे तो उसको अलग से नमूना लेना चाहिए तथा साथ ही नमूने की गहराई लिख लेनी चाहिए। सामान्यतः लवणीय, क्षारीय एवं अम्लीय मृदाओं की जाँच हेतु नमूना 20 सेमी0 तक ही गहराई से लिया जाता है।

कृषि विज्ञान केन्द्र, गौतमबुद्ध नगर

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

मशरूम एक पौष्टिक आहार एवं ग्रामीण युवकों के लिए रोजगार साधन

मशरूम (खुम्बी) आदिकाल से मानव को अपने आश्चर्यजनक पोष्य पदार्थ के रूप से आकर्षित करती रही है। प्राचीन समय से ही मनुष्य इसको आहार के रूप में प्रयोग करते आ रहे हैं। आधुनिक अनुसंधानों में पता चला है कि इसमें बहुमूल्य प्रोटीन, खनिज लवण जैसे पोषक तत्व पाये जाते हैं। मशरूम से प्राप्त प्रोटीन की पाचन क्षमता 80-70 प्रतिशत तक होती है जो पौधे से प्राप्त प्रोटीन से कहीं अधिक होती है। अनाजों एवं सब्जियों की तुलना में शुष्क भार स्तर पर मशरूम प्रोटीन से भरपूर होते हैं। सूखी मशरूम में 21-30 प्रतिशत प्रोटीन पायी जाती है। मशरूम प्रोटीन का अच्छा स्रोत होने के साथ-साथ इसमें अन्य सब्जियों की अपेक्षा वसा की मात्रा कम होती है, परन्तु फोलिक एसिड एवं अन्य आवश्यक खनीय लवण पर्याप्त मात्रा में होते हैं। मशरूम में कैंसर विरोधी एवं बाड कोलेस्ट्रोल कम करने के गुण पाये जाते हैं।

मशरूम से प्राप्त पौष्टिक पदार्थ सभी प्रकार की बीमारियों को रोकने में सहायक होते हैं। बेरी-बेरी, हृदय रोग, दाँतों के रोग, चर्म रोग, हड्डियों को मजबूत बनाने एवं मधुमेय जैसी बीमारियों की रोकथाम से जानकारी सिद्ध हुआ है। मशरूम में पर्याप्त मात्रा में कैल्शियम, फॉस्फोरस, लोहा ताँबा तथा पोटास पाये जाते हैं, जो हड्डियों को मजबूत बनाने एवं आँखों की रोशनी के लिए बहुत लाभकारी है। मशरूम विटामिन बी और सी का अच्छा स्रोत है। इसमें फोलिक एसिड एवं अन्य विटामिन भी काफी मात्रा में विद्यमान रहते हैं। व्यावसायिक रूप से उगाये हुए या केवल अपने घर पर ही अनुभवी व्यक्ति की देख-रेख में उगाये हुए मशरूम का प्रयोग करना चाहिए। आजकल बाजार में बटन मशरूम सब्जी विक्रेताओं के पास पर्याप्त मात्रा में दो-दो सौ ग्राम के पैकेट में बिकते हुए देखे जा सकते हैं।

मशरूम की प्रजाति के अनुसार इनके उत्पादन की तकनीकी भी अलग-अलग होती है। बटन एवं ढ़िंगरी मशरूम के उत्पादन की तकनीकी निम्न प्रकार है-

बटन मशरूम की खेती

मशरूम उत्पादन में बटन मशरूम की 37 प्रतिशत हिस्सेदारी है। बटन मशरूम (एगेरिकस बाइस्पोरस) की खेती के लिए मुख्यतः तीन चीजों की आवश्यकता पड़ती है-

1. अच्छी प्रकार से तैयार की गयी कम्पोस्ट। 2.शुद्ध एवं ताजा-सुधरा स्पान। 3.अनुकूल तापक्रम एवं आर्द्रता। इनमें से किसी एक की अपर्याप्त आपूर्ति से मशरूम की खेती असफल हो सकती है।

कम्पोस्ट तैयार करने की विधि-

आवश्यक सामग्री-

1.गेहूँ का भूसा/धान का पुआल	1000/1200 किग्रा	6.जिप्सम	100 किग्रा
2.अमोनियम सल्फेट /कैल्शियम अमोनियम नाइट्रेट	30 किग्रा	7.गेहूँ का चोकर	80 किग्रा
3.सुपर फॉस्फेट	10 किग्रा	8.कार्बोफ्यूरान	600 ग्राम
4.म्यूरेट ऑफ पोटाश	10 किग्रा	9.मैलाथियान	600 ग्राम
5.यूरिया	10 किग्रा		

कम्पोस्ट बनाना शुरू करने से 48 घंटे पूर्व भूसे को पतली तह में पक्के फर्श पर बिछाकर उसे अच्छी तरह से उलट-पलट कर पानी से पूर्णतयः तर कर देते हैं।

शून्य दिन : इस अवस्था में भूसे में नमी की मात्रा 75 प्रतिशत होनी चाहिए। इस भूसे में चोकर एवं यूरिया, म्यूरेट ऑफ पोटास, सुपर फॉस्फेट, अमोनियम सल्फेट को अच्छी तरह से उलट पलट कर मिलायें। अब लकड़ी से निर्मित तख्तों की सहायता से भूसे का लगभग 1.5 मी0 चौ0, 1.25 मी0 ऊँचाई एवं किसी भी लम्बाई का ढेर बनायें। ढेर बनाने के पश्चात् तख्तों को ढेर से अलग कर दें। ढेर की नमी बनाये रखने के लिए एक या दो बार बाहर की सतह पर पानी का छिड़काव करें।

पाँचवें दिन : पहली पलटाई में ढेर के बाह्य भाग को 15 सेमी अन्दर तक निकालकर एक जगह फर्श पर फैला दें। अब बाह्य भाग वाली कम्पोस्ट को अन्दर एवं अन्दर के भाग को बाहर डालकर तख्तों की सहायता से पुनः ढेर का निर्माण करें।

कृषि विज्ञान केन्द्र, गौतमबुद्ध नगर

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

देशी गाय की प्रमुख नस्लें

भारतीय कृषि अनुसंधान परिषद – रा. प. अ. सं. ब्यूरो करनाल के अनुसार हमारे देश मे गोवंश की 28 पंजीकृत नस्लें हैं। इन नस्लों को उनकी उपयोगिता के आधार पर तीन भागों में विभक्त किया गया है। जैसे कि दुधारु, द्विकाजी और भारवाहक। दुधारू नस्लों में मुख्य रूप से साहीवाल, गिर, देवनी तथा रेड सिंधी नस्ले है। द्विकाजी श्रेणी में हरियाणा, कांकरेज, थारपारकर, अंगोल ,राठी, मेवाती व डांगी आदि मुख्य है। हरियाणा नस्ल की गाय औसत दूध उत्पादन तथा इनके बैल खेतों में हल चलाने में बहुत उपयोगी हैं। भारवाहक अथवा खेती कार्य में नागौरी, हालीकर, खिलारी, अमृतमहल, कंगायमा आदि प्रमुख नस्लें हैं।

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 राज्यो 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 मुलायम होती है। इनके सींग छोटे और मोटे होते हैं। मादा का भार 340 किग्रा तथा नर का भार 520 किग्रा तक होता है। इस नस्ल की गायों का औसत दूध उत्पादन 2250 किग्रा प्रति ब्यांत होता है।

गिर – इस नस्ल के पशु गुजरात के जूनागढ़ क्षेत्र में प्रमुखता से पाये जाते हैं। ये पशु लाल भूरे से रंग के होते हैं। शरीर पर विभिन्न तरह के धब्बों का पाया जाना इस नस्ल की विशेषता है। इन पशुओं का मस्तक भारी भरकम व भार युक्त होता है। इनके कान लम्बे ऐंठे हुए पत्तीनुमा होते हैं। इसके कानो की तुलना कुछ-कुछ बकरी के कानो से की जा सकती है। इस नस्ल की गाय का औसत दूध उत्पादन 2200 किग्रा प्रति ब्यात होता है।

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

उच्च गुणवत्ता का बासमती पैदा करें, मिलेगी अच्छी कीमत

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

... भाई पटेल कृषि एवं प्रौद्योगिकी विश्वविद्यालय मेरठ के डा. पूरन चंद, डा. हरिओम कटियार, डा. सर्वेश कुमार आदि मौजूद रहे।

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

बासमती धान उत्पादन का 20 दिवसीय प्रशिक्षण शुरू

लखनऊ, गुरुवार, 9 जून, 2022 3

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

महिलाओं व किसानों को दिया आत्मनिर्भर बनने का प्रशिक्षण

बासमती धान बीज उत्पादन प्रशिक्षण एवं प्रोत्साह[न] कार्यक्रम संपन्न

गाजियाबाद (हिन्ट संवाददाता)। बासमती धान बीज उत्पादन प्रशिक्षण प्रोत्साहन कार्यक्रम के अंतर्गत प्यावली एवं पटादि 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 बुवाई 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। डा. विपिन कुमार ने व्यावसायिक बीज उत्पादन की विभिन्न विधियों को किसानों द्वारा वहां किये जाने 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, ... सावधानियों, सस्य तकनीकी, विविधीकरण इत्यादि पर अपने व्याख्यान ... कार्यशाला में माधवेन्द्र सिंह, कुंवर धनश्याम तथा संजीव प्रेमी प्रगतिशील ... भी उपस्थित रहे।

V. 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			

VI. 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						
Oilseeds						
Pulses						
Commercial crops						
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others						
Total						

Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
Vegetable seedlings	**Onion**	**ALFR**	**-**	**800**		**01**
	Tomato	**-**	**F1-Chandrajeat**	**300**		**08**
	Capsicum	**-**	**Indus Y/R, Bollalo green**	**600**		**03**
	Cheery-tomato	**-**	**Rambha F1, Goldie F1**	**700**		**06**
	Brinjal	**PPL**	**-**	**300**		**03**
	Chilli	**Jawahar Chilli**	**-**	**300**		**03**
Fruits						
Ornamental plants						
Medicinal and Aromatic						

Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
Total						

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 (Pl. specify)				
Piggery				
Piglet				
Others (Pl. specify)				
Fisheries				
Indian carp				
Exotic carp				
Others (Pl. specify)				
Total				

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Note: - Funds needed for purchase of instruments and infrastructure development

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	**310**	**185**	**52**	**34890.00**
Water				
Plant				
Manure				
Others (pl.specify)				
Total				**-**

VIII. 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

IX. NEWSLETTER/MAGAZINE

Name of News letter	No. of Copies printed for distribution

X. PUBLICATIONS

Category	Number
Research Paper	02
Technical bulletins	-
Technical Report	04

XI. 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.)

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

Introduction of alternate crops/varieties

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

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
Total		

Animal health camps organized

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

Seed distribution in drought hit states

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

Large scale adoption of resource conservation technologies

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

Awareness campaign

	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
Total												

XIII. DETAILS ON HRD ACTIVITIES - NA

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

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

B. 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

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

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

a) ***Effective popularization on a larger scale of any one FLD technology and its role in transformation of district agriculture with respect to that particular crop or enterprise***

b) ***Performance of the end results of any one technology assessed, its refinement if any and its impact in district agriculture with respect to that crop or enterprise***

c) ***Effect of production and supply of seeds and planting material / animal breed / or bio-product and its impact on district agriculture with respect to that crop/ enterprise/ bio-product***

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

Name of the KVK

TITLE

Introduction

KVK intervention

Output

Outcome

Impact

XV. AGRICULTURAL TECHNOLOGY INFORMATION CENTRE (2022)

A. Details on ATICs

S. No	Name of the ATIC	Name of the Host Institute	Name of the ATIC Manager

B. Details on Farmer's visit (Jan 2022 to December 2022)

S. No	Purpose of visit	Number of farmer's visited
01	Technology Information	282
02	Technology Products	53
03	Others if any pl. specify	36

C. Facilities in the ATIC which are in operation

S. N.	Particulars	Availability (Please √ mark)	Number of ATICs
01	Reception counter		
02	Exhibition / technology museum		
03	Touch screen Kiosk		
04	Cafeteria		
05	Sales counter		
06	Farmer's feedback register		
07	Others if any (please specify)		

D. Technology information provided

D.1. Details on technology information (Jan 2022 to December 2022)

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

D.2 . Publications (Print & Electronic media) (Jan – Dec., 2022)

S. N.	Particulars	Number sold	Revenue generated in Rs.	Number of farmers benefited
01	Books			
02	Technical bulletins			
03	Technology Inventory			
04	CDs			
05	DVDs			
06	Video films			
07	Audio CDs			
08	Others if any			

E. Technology Products provided (Jan 2022 to Dec. 2022)

S. No	Particulars	Quantity	Unit of quantity	Value in Rs.	Number of farmers benefited
01	Seeds		Quintal		
02	Planting materials		Numbers		
03	Livestock		Numbers		
04	Poultry birds		Numbers		
05	Bio-products		Quintals		
06	Others pl. specify				

F. Technology services provided (Jan 2022 to Dec., 2022)

S. No	Particulars	Number of farmers benefited
01	Soil and water testing	**310**
02	Plant diagnostics	
03	Details about the services to line Departments	
04	Others if any (please specify)	

XV. TECHNOLOGICAL BACKSTOPPING BY DIRECTORATES OF EXTENSION

XVI Achievement of Special programmes

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

S. No.	Name of QP/Job role	Duration (hrs)	No. of Courses Organised	No. of Participants						
				SCs/STs		Others		Total		TOTAL
				Male	Female	Male	Female	Male	Female	
1	Agriculture Extension Service Provider	200								
2	Agriculture Machinery Demonstrator	200								
3	Agriculture Machinery Operator	200								
4	Agriculture Machinery Repair and Maintenance Service Provider	200								
5	Animal Health Worker	300								
6	Aquaculture Technician	200								
7	Aquaculture Worker	200								
8	Aquarium Technician	200								
9	Artificial Insemination Technician	400								
10	Assistant Gardener	200								
11	Beekeeper	200								
12	Brackwishwater Aquaculture Farmer	210								
13	Broiler Farm Worker	200								
14	Citrus Fruit Grower	200								
15	Community Service Provider	200								
16	Dairy Farmer - Entrepreneur	200								
17	Fish Seed Grower	210								
18	Floriculturist - Open cultivation	200								
19	Floriculturist - Protected cultivation	200								
20	Forest Nursery Raiser	200								
21	Freshwater Aquaculture Farmer	200								

22	Friends of Coconut Tree	200								
23	Greenhouse Operator	200								
24	Group Farming Practitioner	200								
25	Harvesting Machine Operator	200								
26	Hatchery (Fishery) Production Worker	200								
27	Layer Farm Worker	200								
28	Mango Grower	200								
29	Medicinal Plants Cultivator	200								
30	Micro Irrigation Technician	200								
31	Mushroom Grower	200								
32	Nursery Worker	200								
33	Organic Grower	200								
34	Ornamental Fish Technician	200								
35	Packhouse Worker	200								
36	Quality Seed Grower	200								
37	Seed Processing Plant Technician	200								
38	Sericulturist	200								
39	Service and Maintenance Technician-Farm Machinery	205								
40	Shrimp Farmer	240								
41	Small poultry farmer	240								
42	Soil & Water Testing Lab Analyst	240								
43	Soil & Water Testing Lab Assistant	200								
44	Supply Chain Field Assistant	200								
45	Tea Plantation Worker	200								
46	Tractor Operator	200								
47	Vermicompost Producer	200								
	TOTAL									

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

a) CRM Machinery procured by KVKs

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

b) IEC activities organized under CRM Project by KVKs

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

b) Other IEC activities organized under CRM Project by KVKs

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

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

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

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

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

5) Achievements of SCSP KVKs - NA

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

6) Achievement under IFS KVKs

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

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

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

8) Achievements of Farmers FIRST programme - NA

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

9) Activities performed under NARI programme

Table-9.1: Details of activities performed under NARI programme

Nutritional Garden		Bio-fortified crops		Value addition		Training programmes		Extension activities	
No of Established	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries

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

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

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

Sample	No. of Samples in lakh	No. of Farmers in lakh	No. of Villages in lakh	Amount realized (Rs. in lakhs)	No. of Soil Health Cards issued (lakhs)
Soil	310 no.	185 no	52 no	Rs. 34890	
Water					
Plant					
Manure					
Total					

11) Achievements under NICRA Project - NA

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

12) Achievements under ARYA Project - NA

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

13) Achievements under Rainwater Harvesting Structures - NA

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

14) Achievements under Pulses Seed Hub programme - NA

Season/Crop	Name of Pulse crop	Variety	Production			Category of seed	Distributed to No. of farmers
			Target (q)	Area sown (ha)	Actual Production (q)	(F/S, C/S)	
Kharif	Black gram						
	Green Gram						
	Pigeon pea						
Total (Kharif)							
Rabi	Chick pea						
	Field pea						
	Lentil						
Total (Rabi)							
Summer	Black gram						
Total (Summer)							
Grand Total							

15) NEMA (New Extension Methodologies and Approaches) - NA

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

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

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

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

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

18) Achievements under Swachhata Abhiyan Mission

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

19) Achievements under Aspirational District Scheme

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

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

XVI. Achievements under Natural Farming

Name of KVK	Number of awareness / training programmes organized	No. of Participants	Number of demonstrations organized at farms of KVKs	Number of farmers visited demonstration plots

XVII Awards

S.No.	Name of Award received	Name of KVK/farmer	Year of Award	Date on which award received
1				
2	**Progressive Farmer Award** on the occasion of Ex-PM Ch. Charan Singh B'day (Kisan Samman Diwas)	**Sh. Rajesh**	2022	23rd Dec., 2022 (University level)
3	-do-	Sh. Keshav	2022	23rd Dec., 2022 (District level)
4	-do-	Sh. Avkash	2022	23rd Dec., 2022 (District level)
5	-do-	Sh. Tejpal	2022	23rd Dec., 2022 (District level)
6	-do-	Sh. Ompal	2022	23rd Dec., 2022 (District level)
7	-do-	Sh. Mohanveer	2022	23rd Dec., 2022 (District level)
8	**Awardee farmers list on the occasion of**	Sh. Pawan Veer Singh	2022	15th August, 2022 (District level)

	celebrating the 75th year of India's Independence "Ajadi ka Amrit Mahotsav"			
9	-do-	Sh. Har Prasad Sharma	2022	15th August, 2022 (District level)
10	-do-	Sh. Uday Veer Singh	2022	15th August, 2022 (District level)
11	-do-	Sh. Satya Veer Singh	2022	15th August, 2022 (District level)
12	-do-	Sh. Daal Chand	2022	15th August, 2022 (District level)
13	-do-	Sh. Kishan Pal Singh	2022	15th August, 2022 (District level)
14	-do-	Sh. Rakesh	2022	15th August, 2022 (District level)
15	-do-	Sh. Ramphal Singh	2022	15th August, 2022 (District level)
16	-do-	Sh. Tejpal Singh	2022	15th August, 2022 (District level)
17	-do-	Sh. Dev Karan Sharma	2022	15th August, 2022 (District level)
18	-do-	Sh. Sanjeev Kumar	2022	15th August, 2022 (District level)
19	-do-	Sh. Omveer	2022	15th August, 2022 (District level)
20	-do-	Sh. Shiv Kumar	2022	15th August, 2022 (District level)
21	-do-	Sh. Mahi Singh	2022	15th August, 2022 (District level)
22	-do-	Sh. Sagar	2022	15th August, 2022 (District level)
23	-do-	Sh. Surendra Singh	2022	15th August, 2022 (District level)
24	-do-	Sh. Vinod Kumar	2022	15th August, 2022 (District level)
25	-do-	Sh. Pramod	2022	15th August, 2022 (District level)
26	-do-	Sh. Rajkumar	2022	15th August, 2022 (District level)
27	-do-	Sh. Jaiveer Singh	2022	15th August, 2022 (District level)
28	-do-	Sh. Raj Karan	2022	15th August, 2022 (District level)

29	-do-	Sh. Yash Pal	2022	15th August, 2022 (District level)
30	-do-	Sh. Dheerendra	2022	15th August, 2022 (District level)
31	-do-	Sh. Netrapal	2022	15th August, 2022 (District level)
32	-do-	Sh. Kuldeep	2022	15th August, 2022 (District level)
33	-do-	Sh. Dhaniram Singh	2022	15th August, 2022 (District level)
34	-do-	Sh. Chandra Pal Giri	2022	15th August, 2022 (District level)
35	-do-	Sh. Vedram Singh	2022	15th August, 2022 (District level)
36	-do-	Sh. Devendra Sharma	2022	15th August, 2022 (District level)
37	-do-	Sh. Om Prakash	2022	15th August, 2022 (District level)
38	-do-	Sh. Puran Singh	2022	15th August, 2022 (District level)
39	-do-	Sh. Raj Pal	2022	15th August, 2022 (District level)
40	-do-	Sh. Kishori Lal	2022	15th August, 2022 (District level)
41	-do-	Sh. Subash Chand	2022	15th August, 2022 (District level)
42	-do-	Sh. Har Kishan	2022	15th August, 2022 (District level)
43	-do-	Sh. Jai Pal	2022	15th August, 2022 (District level)
44	-do-	Sh. Jag Pal	2022	15th August, 2022 (District level)
45	-do-	Sh. Shivram	2022	15th August, 2022 (District level)
46	-do-	Sh. Vijendra	2022	15th August, 2022 (District level)
47	-do-	Sh. Sukhram	2022	15th August, 2022 (District level)
48	-do-	Sh. Vikas Sisodia	2022	15th August, 2022 (District level)
49	-do-	Sh. Gajendra Singh	2022	15th August, 2022 (District level)

50	-do-	Sh. Mahesh	2022	15th August, 2022 (District level)
51	-do-	Sh. Dharmendra	2022	15th August, 2022 (District level)
52	-do-	Sh. Mukesh Kumar	2022	15th August, 2022 (District level)
53	-do-	Sh. Jitendra Singh	2022	15th August, 2022 (District level)
54	-do-	Sh. Veer Pal	2022	15th August, 2022 (District level)
55	-do-	Sh. Mastram	2022	15th August, 2022 (District level)
56	-do-	Sh. Manendra Singh	2022	15th August, 2022 (District level)
57	-do-	Sh. Nagendra Ch.	2022	15th August, 2022 (District level)
58	-do-	Sh. Udayveer Singh	2022	15th August, 2022 (District level)
59	-do-	Km. Nivesh	2022	15th August, 2022 (District level)
60	-do-	Sh. Brij Lal	2022	15th August, 2022 (District level)
61	-do-	Sh. Vipin	2022	15th August, 2022 (District level)
62	-do-	Sh. Sandeep	2022	15th August, 2022 (District level)
63	-do-	Sh. Gajendra	2022	15th August, 2022 (District level)
64	-do-	Sh. Vishal Kasana	2022	15th August, 2022 (District level)
65	-do-	Sh. Narendra Kr. Sharma	2022	15th August, 2022 (District level)
66	-do-	Sh. Daal Chand	2022	15th August, 2022 (District level)
67	-do-	Sh. Satpal Singh	2022	15th August, 2022 (District level)
68	-do-	Sh. Jaamin	2022	15th August, 2022 (District level)
69	-do-	Sh. Jai Kishan	2022	15th August, 2022 (District level)
70	-do-	Sh. Sunder Singh	2022	15th August, 2022 (District level)

71	-do-	Sh. Lalit Teotia	2022	15th August, 2022 (District level)
72	-do-	Sh. Suneel	2022	15th August, 2022 (District level)
73	-do-	Sh. Ishwar	2022	15th August, 2022 (District level)
74	-do-	Sh. Pradeep Kumar	2022	15th August, 2022 (District level)
75	-do-	Sh. Bhagat Singh	2022	15th August, 2022 (District level)
76	-do-	Sh. Chaman Singh	2022	15th August, 2022 (District level)
77	-do-	Sh. Yudhveer Singh	2022	15th August, 2022 (District level)
78	-do-	Sh. Yash Veer Singh	2022	15th August, 2022 (District level)
79	-do-	Smt. Rekha	2022	15th August, 2022 (District level)
80	-do-	Smt. Ashpati	2022	15th August, 2022 (District level)
81	-do-	Smt. Meenakshi	2022	15th August, 2022 (District level)
82	-do-	Smt. Najreen	2022	15th August, 2022 (District level)
83	-do-	Smt. Shimla	2022	15th August, 2022 (District level)
84	-do-	Sh. Kishan Pal Singh	2022	15th August, 2022 (District level)

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

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Annexure 'A'

DETAILS OF TRAINING PROGRAMMES

1.1 On-Campus Training for Practicing farmers & Farm Women

Subject	Title of the training programme	Date	Duration in days	G. Total
Crop Production	Irrigation and disease management in mustard.	06.01.2022	1	18
	Use of water soluble fertilizer in wheat	07.02.2022	1	20
	Scientific nursery raising technique of basmati paddy	09.05.2022	1	20
	Weed control in paddy after transplanting	14.07.2022	1	20
	Scientific cultivation of black gram	04.08.2022	1	20
	Improved agronomic practices for mustard production	18.10.2022	1	20
	Cow based natural farming	20.12.2022	1	20
Horticulture	Improved Production Technology of Vegetable Nursery	06.08.2022	1	20
	Advance production technology of root.	29.09.2022	1	20
Livestock prodn. & Mgt	Cow based natural farming.	14.02.2022	1	20
	Infertility management in dairy animals	05.03.2022	1	20
	Urea treatment of wheat straw for improving nutritive value	07.05.2022	1	20
	Use and importance of mineral mixture in dairy animals	17.09.2022	1	20
	Control measures of Endo-Ecto parasitic infestation in dairy animals	23.09.2022	1	20
	FMD: Its symptoms and preventive measures.	12.10.2022	1	20
	Symptoms of heat and time of insemination in milch animals.	15.11.2022	1	20
Agri. Engg.	Operation and maintenance of electric moter pump	11.02.2022	1	20
	Importance and use of MB Plough for deep summer ploughing and green management.	11.05.2022	1	20
	Precaution and safe use of thresher	29.06.2022	1	20
	Importance and use of rotavator for puddling in paddy	03.08.2022	1	20
Fisheries Sc	Aquarium business: Scope & opportunities	30.09.2022	1	20
	Soil & water quality management in aquaculture	06.10.2022	1	18
	Carp fish breeding & hatchery management	16.11.2022	1	19

1.2 Off Campus Training for Practicing farmers & Farm Women

Subject	Title of the training programme	Date	Duration in days	G. Total
Crop production	Use of water soluble fertilizer for wheat growth and yield	20.01.2022	1	20
	Weed control in wheat and use of water soluble fertilizer for wheat growth	22.01.2022	1	20
	Cultivation of pulse crop after harvesting of wheat	08.02.2022	1	20
	Scientific cultivation of summer green gram & black gram	09.02.2022	1	20
	Scientific cultivation of green gram & black gram in zaid	03.03.2022	1	20
	Importance of soil testing and method of soil sampling	07.03.2022	1	20
	Importance of soil testing and method of soil sampling	07.04.2022	1	21
	Importance of organic and natural farming	22.04.2022	1	21
	Importance of green manure and major green manure crop.	21.05.2022	1	21
	Scientific technique of basmati paddy nursery raising.	24.06.2022	1	20
	Improved production technique of sesame in kharif	27.06.2022	1	20
	Weed control in paddy after paddy transplanting	28.07.2022	1	21
	Nutrient and Irrigation management in Paddy for Disease control	10.08.2022	1	21
	Improved cultural practices of mustard production	27.10.2022	1	20
	INM in mustard	12.11.2022	1	20
	Weed management in wheat	27.12.2022	1	20
Horticulture	Advance production technology of Rabi vegetables.	29.09.2022	1	20
	Bulb vegetable crop production technology	07.10.2022	1	20
Livestock prodn. & Mgt.	Infertility management in dairy animals	21.01.2022	1	23
	Mastitis in milch animals: Its symptoms and controls	27.01.2022	1	20
	Care and feeding of newly born calf	08.02.2022	1	21
	Use and importance of mineral mixture	07.03.2022	1	20
	Importance of AI & mgt. of pregnant animals	21.04.2022	1	20
	Cow based natural farming.	28.04.2022	1	20
	HS disease: Its symptoms and preventive measures	23.05.2022	1	20
	HS disease: Its symptoms and preventive measures	23.06.2022	1	20
	Vaccination and deworming schedule in dairy animals	28.06.2022	1	20
	Vaccination and deworming schedule in dairy animals	05.07.2022	1	20
	Control measures of Endo-Ecto parasitic infestation	22.07.2022	1	20
	Mastitis in milch animals: Its symptoms and controls	04.08.2022	1	20
	FMD: Its symptoms and preventive measures	30.08.2022	1	20
	Care and feeding of newly born calf	28.10.2022	1	20

	Use and importance of mineral mixture in dairy animals	25.11.2022	1	20
Agri. Engg.	Save water through sprinkler irrigation.	28.01.2022	1	20
	Save fuel during operation of diesel pump.	31.01.2022	1	20
	Saving of water through sprinkler and drip irrigation.	08.02.2022	1	20
	Use and maintenance of diesel pump set for saving of fuel	05.03.2022	1	20
	Information regarding agriculture equipment for CRM	09.03.2022	1	20
	Use of Reversible MB Plough for deep ploughing.	22.04.2022	1	20
	Importance of water conservation in agriculture	25.04.2022	1	20
	Use of Reversible MB Plough for deep ploughing and green manure management.	20.05.2022	1	20
	Operation and maintenance of plant protection equipments	09.06.2022	1	20
	Importance and use of MB Plough	28.06.2022	1	20
	Operation and maintenance of plant protection equipments	12.07.2022	1	20
	Use of mulcher for CRM	27.07.2022	1	20
	Use of mulcher for CRM	17.08.2022	1	20
Fisheries Sc	Cultivable Fish species suitable for fresh water	20.08.2022	1	20
	Aquaculture and health benefits of eating fish and fish products	24.09.2022	1	20

1.3 On campus Income and Employment Generating Training for Rural Youths

Crop / Enterprise	Training title*	Month	Duration (days)	G. Total
Crop Prodn.	Production of organic inputs at farm level	22-26.02.2022	5	10
	Cow urine based input production technique for natural farming.	15-22.06.2022	5	10
Horticulture	Advance production technology of vegetables.	07-14.11.2022	5	15
Animal husbandry	Scientific dairy farming	16-30.09.2022	5	10
	Scientific dairy farming	16-20.12.2022	5	10
Ag. Engg.	Operation and maintenance of diesel pump	22-26.02.2022	5	10
Fisheries Science	Aquarium & ornamental fish breeding business: Potential & opportunities	01-05.11.2022	5	15

1.4 In-service Extension worker's Training Programs

Clientele	Title of the training programme	Date	Duration in days	G. Total
Crop Production	Soil testing methods & balance nutrient mgt.	14.02.2022	1	16
	Importance & technique of water conservation	28.02.2022	1	21
	Water harvesting techniques for soil moisture conservation	29.08.2022	1	20
Livestock Prodn & Mgt.	Cow based natural farming. (Zero budget farming)	22.02.2022	1	20
	Cow based natural farming. (Zero budget farming)	23.02.2022	1	20
	Use and importance of mineral mixture in dairy animals	20.09.2022	1	20
	Factor affecting the quality and quantity of milk	08.12.2022	1	20
Agriculture Engineering	Use and importance of crop harvesting implements.	21.02.2022	1	20
	Micro –irrigation techniques for saving water	14.05.2022	1	20
Fisheries Science	Income opportunities in fisheries and aquaculture.	29.11.2022	1	15

Thank you...