KRISHI VIGYAN KENDRA, GAUTAM BUDH NAGAR

ANNUAL PROGRESS REPORT
(JANUARY, 2020 – DECEMBER, 2020)
APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	28	560	-	560
Rural youths /Vocational	08	80	-	80
Extension functionaries	11	220	-	220
Sponsored Training	-	-	-	-
Vocational Training	2	31	9	40
Total	**49**	**891**	**9**	**900**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds (CFLD)	50	20.0	-
Pulses (CFLD)	25	10.0	-
Cereals	85	34.0	-
Vegetables	10	2.0	-
Other crops (Fodder-Berseem)	5	0.5	-
Hybrid crops	-	-	-
Total	**175**	**66.50**	**-**
Livestock & Fisheries	25	25	-
Other enterprises	-	-	-
Total	**25**	**25**	**-**
Grand Total	**200**	**66.50 + 25 animals**	**-**

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	07	33	33
Livestock	01	10	10
Various enterprises	01	03	03
Total	**09**	**46**	**46**
Technology Refined			
Crops	-	-	-
Livestock	-	-	-
Various enterprises	-	-	-
Grand Total	**09**	**46**	**46**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	239	2944
Other extension activities	26	
Total	**265**	**2944**

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	88	32	-	12	258	68	458
	Voice only	220	42	06	12	33	65	378
	Voice & Text both	15	03	-	-	38	12	68
	Arogya Setu app	-	-	-	-	-	-	588
	Aayush Kavach ap	-	-	-	-	-	-	162
	Total Messages	**323**	**77**	**06**	**24**	**329**	**133**	**1654**
	Total farmers Benefitted	**323**	**77**	**06**	**24**	**329**	**133**	**1654**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q) (Commercial)	55.0	71260.00 (Wheat grain + paddy straw) (Paddy auction is remaining)
Planting material (No.)	-	-
Bio-Products (kg)	-	-
Livestock Production (No.)	-	-
Fishery production (No.)	-	-

7. Soil, water & plant Analysis

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

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	03
2	Conferences	0
3	Meetings	10
4	Trainings for KVK officials (attended)	-
5	Visits of KVK officials	10
6	Book published	01
7	Training Manual	02
8	Book chapters	-
9	Research papers	02
10	Lead papers	-
11	Seminar papers	-
12	Extension folder	05
13	Proceedings	03
14	Award & recognition	-
15	Ongoing research projects	-

DETAIL REPORT OF APR - 2020

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 December, 2020)

S N	Sanctioned post	Name of the incumbent	Design-ation	Discipline	Pay Scale (Rs.)	Present Total basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)	Mobile no.	Age	Email id
1	Head	**Dr. Mayank Kr Rai**	Prof. & Head	Entomology	37400-67000	63610	28.06.08	Regular	Others	08178365872	48	mayankrai71@gmail.com
2	Subject Matter Specialist	Er. Madhvendra Singh	Asso. Dir. Ext.	Ag. Engg.	37400-67000	62420	20.11.13	Regular	Others	09457363443	58	singhm1501@gmail.com
3	Subject Matter Specialist	Dr. Vipin Kumar	Asso. Dir.	Agronomy	15600-39100	40010	25.04.18	Regular	Others	9013389751	47	drv_kumar1973@ rediffmail.com
4	Subject Matter Specialist	**VACCANT**										
5	Subject Matter Specialist	Smt. Vinita Singh	Asst Prof. / SMS	Home Science	15600-39100	29070	11.07.08	Regular	Others	09717091158	49	write2vinita1@gmail.com
6	Subject Matter Specialist	**VACCANT**										
7	Subject Matter Specialist	**VACCANT**										
8	Programme Assistant	Sh. Kunvar Ghanshyam	Training Assistant	Animal Husbandry	7th Pay	81200	05.07.14	Regular	OBC	09412120240	53	kunwarg2011@gmail.com
9	Computer Programmer	Sh. Ashu Arora	Program Assistant	Computer Science	7th Pay	74300	04.03.06	Regular	Others	08010907124	47	aarora.kvkgbn@yahoo.co.in
10	Farm Manager	**VACCANT**										
11	Accountant / Superintendent	**VACCANT**										
12	Stenographer	Sh. Rakesh Kumar	Jr. Steno	-	7th Pay	56900	06.06.06	Regular	OBC	09319367470	53	
13	Driver	Mohd. Shokin	Driver	-	7th Pay	35900	01.08.17	Regular	Others	09058541050	49	
14	Driver	Sh. Sandeep Kumar	Driver	-	7th Pay	31400	30.07.07	Regular	SC	09412833537	41	
15	Supporting staff	**VACCANT**										
16	Supporting staff	Sh. Praduman	Attendant	-	7th Pay	27600	27.02.08	Regular	OBC	09675589243	43	

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

S. No.	Item	Area (ha)
1	Under Buildings	1.0
2.	Under Demonstration Units	0.015
3.	Under Crops	14.025
4.	Orchard/Agro-forestry	
5.	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	Work already completed.
2.	Farmers Hostel	ICAR	-	-	-	Oct, 06	300	
3.	Staff Quarter(6)	ICAR	-	-	-	Oct, 06	400	
4.	Demonstration Units (2)	ICAR	-	-	-	Oct, 06	160	
5.	Fencing	ICAR	-	-	-	Oct, 06	2000 r.m	
6.	Rain Water harvesting system	ICAR	-	-	-	-	-	
7.	Threshing floor	ICAR	-	-	-	Oct, 06	300	
8.	Farm godown	ICAR	-	-	-	Oct, 06	60	

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total Km. Run	Present status
Jeep (M & M) Bolero	2006	472210.00	262000	Not fit for use as per NGT directions for NCR
Tractor with implements	2006	360000.00	1981	Not in working condition

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Computers (03)	2017	-	Working
Laptop (01)	2017	-	Working
Laptop (01)	2013	-	Working
Chart, Poster & CD	2008	8500.00	Not Working
LCD projector (01)	2007	68125.00	Working
Computer with MFP (01)	2006	67000.00	Poor condition

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

SN	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	**24.12.2019**	1. Dr. R.K. Mittal, Hon'ble Vice Chancellor, SVPUA&T, Meerut 2. Dr. S.K. Sachan, Dir. Ext., SVPUA&T, Meerut 3. Dr. K.G. Yadav, Assoc. Prof., Agronomy, SVPUA&T, Meerut 4. Dr. A.N. Mishra, DD Ag., GB Nagar 5. Sh. K.P. Singh, DHO, GB Nagar 6. Sh. Jagpal Singh, Secretary, FARMAR NGO 7. Dr. Mayank Kumar Rai, Secretary/ Head, KVK, GB Nagar 8. Er. Madhvendra Singh, Assoc. Dir. Ag. Engg., KVK, GB Nagar 9. Dr. Vipin Sharma, Assoc. Dir, Agronomy, KVK, GBNagar 10. Smt. Vinita Singh, SMS, Home Sc., KVK, GB Nagar 11. Dr. Sheesh Pal Singh, SMS, Horticulture, KVK, GBNagar 12. Sh. Kunwar Ghanshyam, Trg. Asstt (AH), KVK, GBNagar 13. Sh. Ashu Arora, Prog. Asstt (Computer), KVK, GB Nagar 14. Sh. Rakesh Kumar, Jr. Steno, KVK, GB Nagar 15. Mohd. Shokin, Driver, KVK, GB Nagar 16. Sh. Sandeep, Driver, KVK, GB Nagar 17. Sh. Praduman, Attendent, KVK, GB Nagar 18. Sh. Maan Singh Bhati, Progressive Farmer, GB	1. Dr. R.K. Mittal, Hon'ble V.C., SVPUA&T, Meerut instructed that average yield along with cumulative yield of demonstrated technology should be shown for assessment of demonstration so that clear cut effect may be illustrated.	1. Cumulative assessment of demonstration result has been shown.
			2. Dr. R.K. Mittal, Hon'ble V.C., SVPUA&T, Meerut also suggested that demonstrated technology and farmers practice must be demonstrate at same farmers field.	2. It has already been done at same farmers field.
			3. Dr. S.K. Sachan, Dir. Ext. SVPUA&T, Meerut suggested that programmes for promotion of cut flower production has to be conducted.	3. KVK along with DHO, GB Nagar conducted programmes viz. trainingfor promotion of cut flower cultivation. Hence farmer of Jewar block is doing cultivation of marigold and gladiolus on 8.2 ha land.
			4. Dr. S.K. Sachan, Dir. Ext. SVPUA&T, Meerut suggested that topic of training must be specific and based on cultural practice.	4. Action plan has been prepared as per suggestions.
			5. Dr. S.K. Sachan, Dir. Ext. SVPUA&T, Meerut further suggested that different demonstration unit must be in running condition for dissemination of technology among the farmers.	5. KVK has started organic production unit, shed net house, mushroom production unit and food processing unit in well mannered and technical knowledge about these are giving to the farmers.
			6. Dr. A.N. Mishra, DD Ag., GB Nagar suggested for the promotion of drip and sprinkler irrigation system in banana cultivation.	6. A training entitled "Scientific banana cultivation" has been conducted at KVK by DHO, GB Nagar and a lecture on Modern Irrigation system has been delivered to farmers.

		Nagar 19. Sh. Sanjeev Kr. Premi, Progressive Farmer, GB Nagar 20. Sh. Vishan Pal Singh, Progressive Farmer, GB Nagar 21. Sh. Mukesh Nagar, Progressive Farmer, GB Nagar 22. Sh. Omveer , Progressive Farmer, GB Nagar 23. Smt. Rameshwari, Progressive farm women, GB Nagar	7. Dr. R.K. Mittal, Hon'ble V.C., SVPUA&T, Meerut suggested that pre and post evolution must be done of training and demonstration conducted under CRM	7. KVK conducted impact assessment of various programmes conducted under CRM. 98% reduction of residue burning incidence has been observed by various awareness programme.
			8. Sh. Sanjeev Premi, Progressive farmer village Roopwas requested to organize training on early nursery production techniques for increasing off-season vegetable production.	8. KVK conducted 3 trainings for 58 practicing farmers on off-season vegetable production and nursery mgt.
			9. Sh. Man Singh Bhati, Progressive farmer requested for the improvement of KVK instructional farm.	9. For the renovation and improvement of farm a project proposal has been submitted and approved under RKVY and will be implemented very soon.
			10. Sh. Vishan Pal Singh, Progressive farmer of Village Khursadpura suggested that available farm implements must be demonstrated at more no. of farmers field.	10. Implements received under CRM projects during 2019-20 were demonstrated on 32.8 ha land of 72 farmers field.
			11. Sh. Omveer Singh, Progressive farmer suggested that programmes on popularization of IPM techniques in Basmati has to be organized so that good quality basmati can be produced.	11. The KVK conducted village level programme on quality basmati production in 12 village for 218 farmers.

2. DETAILS OF DISTRICT (31st Dec., 2020)

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 2020 (up to 31.12.2020) -

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
January, 2020		-	-	-
February, 2020		-	-	-
March, 2020		-	-	-
April, 2020	66.00	-	-	-
May, 2020	4.00	-	-	-
June, 2020	67.00	-	-	-
July, 2020	138.00	-	-	-
August, 2020	174.00	-	-	-
September, 2020	0.00	-	-	-
October, 2020	0.00	-	-	-
November, 2020	0.00	-	-	-
December, 2020	0.00	-	-	-

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 (2020)

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust area
Dadri	Dadri	Chhaulas Nai basti 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 – Dec., 2020) 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. Details of target and achievements of mandatory activities by KVK during 2020

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
11	09	50	46	50.0	66.5 + 25 animals	200	200

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	60	28	1200	560	**1000**	**916**	**10000**	**6916**
Rural youth	15	08	300	80				
E.F.	25	11	500	220				
Sponsored		2		40				
Total	**100**	**49**	**2000**	**900**				

Seed Production (q)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	50.65	-	20000	20800	80

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

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
IWM	Wheat	Assessment of different weedicide on grassy and broad leaf weed control efficacy in wheat (Rabi 2019-20)	1	4
Nutrient Mgt.	Paddy	Effect of water soluble plant nutrient on performance of transplanted paddy (Kharif, 2020)	1	5
Nutrient Mgt.	Wheat	Assessment of water soluble & nano fertilizers on wheat yield and cost of production (Rabi 2020-21)	1	5
Varietal Evaluation	Carrot	Assessment of HYV of carrot (Rabi 2019-20)	1	3
Varietal Evaluation	Wheat	Evaluation of HY wheat variety for NWPZ (Rabi 2019-20)	1	4
Varietal Evaluation	Paddy	To assess the adoptability of newly released scented rice variety for higher yield (Kharif, 2020)	1	5
Total			**06**	**26**

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	Assessment of UMMB complementary feed for controlling infertility in milching animals	1	10
Total			**1**	**10**

Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
Farm machinery	Agril. Engineering	Assessment of different wheat sowing implements after harvesting of paddy (Kharif, 2020)	01	05
		To assess the effect of Rotavator puddling in grain yield of rice (Rabi 2019-20)	01	05
Total			**02**	**10**

I.B. TECHNOLOGY REFINEMENT – N/A

I.C. TECHNOLOGY ASSESSMENT IN DETAIL

CROP PRODUCTION

OFT 1. Assessment of different weedicides on grassy and broad leave weed control efficacy in wheat Rabi 2019 *-20 (Weed Mgt)*

Problem definition: Low yield and net return of wheat due to heavy infestation of narrow as well as broad leave weed flora in wheat under rice wheat cropping system.

Technology Assessed: *To assess the weedicide efficiency for weed control.*

Table.

Technology Option	*No. of trials*	*Yield (qt./ha)*	*Increase in yield (%)*	*No. of weeds/m²*		*Net Return (Rs./ha)*	*B:C Ratio*
				Grassy	Broad leaf		
T_1 - Farmers practice {Salphosulphuron @ 35gm / ha}	*04*	48.8	-	12	14	43140.00	1.65
T_2 - Clodinofop @ 160 gm/acre at 25-30 DAS		50.5	3.5	09	09	46712.00	1.70
T_3 – *Finoxaden @ 400 ml/acre + Metsulfuron @ 8.0 g/acre at 25-30 DAS*		52.2	8.3	08	05	51685.00	1.75

OFT-2 Effect of water soluble plant nutrient on performance of transplanted paddy Kharif 2020 *(Nutrient Mgt)*

Problem definition: Low yield and net return of rice due to higher and imbalance use of plant nutrient in transplanted paddy.

Technology Assessed: *To assess the water soluble plant nutrient on performance of transplanted paddy.*

Table.

Technology Option	*No. of trials*	*Yield (qt./ha)*	*Increase in yield (%)*	*Net Return (Rs./ha)*	*B:C Ratio*
T_1 - Farmers practice {120:60:0 kg/ha NPK}	*05*	42.0	-	26900.00	1.50
T_2 - 50% RFD + 2 spray of NPK (18:18:18)		44.6	6.2	40600.00	1.65
T_3 - 50% RFD + 2 spray of NPK (0:52:34)		45.2	7.6	41200.00	1.77

OFT-3 Assessment of water soluble fertilizers on wheat yield and cost of production (Rabi 2020-21)

Problem definition : High cost of production and low yield.

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

Table.

Technology Option	*No. of trials*	*Yield (qt./ha)*	*Increase in yield (%)*	*Net Return (Rs./ha)*	*B:C Ratio*
T_1 - Farmers practice {150:60:0 kg/ha NPK}	*05*	Result awaited			
T_2 - *75*% RFD of basal + 2 spray of NPK (19:19:19) @ 2.0 kg/acre					

Horticulture

OFT. 4. Assessment of high yielding varieties of Carrot (Rabi, 2019-20) *Varietal Evaluation*

Problem definition: *Old variety which has less market acceptability.*
Technology Assessed: *To assess the performance of new variety of carrot.*

An OFT under Horticulture discipline entitled *"Evaluation of new variety of carrot"* has been conducted by introducing new carrot variety Pusa Rudhira in comparison of local variety Desi Red as farmers practice.

Table.

Technology Option	*No. of trials*	*Yield (qt./ha)*	*Increase in yield (%)*	*Net Return (Rs./ha)*	*B:C Ratio*
T_1 - *Farmer's practice (Local variety- Desi Red)*	*03*	230	-	1,48,000.00	5.11:1
T_2 - *Pusa Rudhira*		270	17.4	1,78,000.00	5.68:1

Note: Carrot variety (Pusa Rudhira) were superior over the farmer practice (Local – Desi Red)

Photograph of Carrot field

OFT.5. Assessment of new high yielding wheat varieties for NWPZ

Problem definition: Low yield of wheat varieties due to Karnal bunt and yellow rust.
Technology Assessed: E*valuation of higy yielding wheat varieties for NWPZ*
Table:

Technology Option	*No. of trials*	*Yield (qt./ha)*	*Increase in yield (%)*	*Net Return (Rs./ha)*	*B:C Ratio*
T_1 - *Farmers Practice (Variety- PBW-2967)*	*04*	48.5	-	33225.00	1.49:1
T_2 – *HD-3086*		54.5	12.4	43825.00	1.65:1
T_3 – *PBW-3237*		56.5	16.5	47525.00	1.70:1

OFT.6. To assess the adoptability of newly released scented rice variety for higher yield.

Problem definition: *Low yield of old scented rice variety.*

Technology Assessed: E*valuation of newly released basmati varieties*

Newer varieties Pusa Basmati 1718 and Pusa Basmati 1637 were introduced among farmers by conducting an on farm trial in comparison of traditional sowing of Pusa 1121 as farmes practice. It was observed that both newly introduced variety proved better in terms of net returns and cost benefit ratio. Results are as under.

Table Performance of Basmati Rice Varieties

Technology Option	*No. of trials*	*Yield (qt./ha)*	*Increase in yield (%)*	*Net Return (Rs./ha)*	*B:C Ratio*
T_1 *- Farmers Practice (Variety- Pusa 1121)*	*05*	*38.0*	*-*	*21900.00*	*1.57*
T_2 *– Pusa Basmati 1718*		*43.0*	*13.15*	*35900.00*	*1.77*
T_3 *- Pusa Basmati 1637*		*40.5*	*6.57*	*12700.00*	*1.45*

- *Rice variety Pusa Basmati 1718 is superior over the Pusa Basmati 1637 and farmer's practice (Pusa Basmati-1121).*

OFT-7 Assessment of UMMB complementary feed for controlling infertility in milching animals

Problem definition: High incidence of infertility in cows.

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

KVK, Gautam Budh 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*
Mi Use of UMMB@ 1 brick for 7 days/animal		*10*	*8*	*8*	*6*	*70*

OFT.8. Assessment of different wheat sowing implements after harvesting of paddy

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	1.49:1
T_2 – Sowing through seed drill after one harrowing		54.8	14.16	43880.00	1.65:1
T_3 – Sowing through happy seeder after harvesting of paddy.		52.0	8.33	38700.00	1.57:1

OFT.9. To assess the effect of Rotavator puddling in grain yield of rice

Problem definition: *Low water productivity of paddy due to improper puddling.*

Technology Assessed: *Puddling through Rotavator and Harrow*

Improper puddling is a major cause of low water productivity in paddy in the district. An on farm trial under Agriculture Engineering discipline was conducted with recommendation of rotavator and harrow for puddling in comparision of farmers practice i.e. transplanting by contract labourer. As per recorded data both rotavator and harrow resulted increased yield 11.94 and 9.35 respectively.

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

Technology Option	***No. of trials***	***Yield (qt./ha)***	***Increase in yield (%)***	***Net Return (Rs./ha)***	***B:C Ratio***
T_1 - *Farmer's practice - transplanting by contract laborer*	*05*	*38.5*	*-*	*27000.00*	*1.29:1*
T_2 – *Puddling through Rotavator*		*43.1*	*11.94*	*40800.00*	*1.43:1*
T_3 – *Puddling through harrow*		*42.5*	*9.35*	*39000.00*	*1.41:1*

- *B:C Ratio of the Rotavator as well as the puddling through harrow is greater than the check. Hence both the technologies are beneficial.*

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2019 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	35	175	80.0
2	Lentil	ICM	Package of agronomy practices for max. production	Demonstration, Training and Gosthi, field day	30	200	90.0
3	Paddy	INM	Balanced fertilizer(Daincha (GM) + *:60:60:25) * Rest of nitrogen through urea upto 120 kg.	Demonstration, Training and Gosthi	18	160	48.0
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	Okra	Varietal Performance	Arka Anamika	Demonstration, Training and Gosthi	06	18	8.0
8	Cauliflower	-do-	Kartik	Demonstration, Training and Gosthi	04	12	8.0
9	Onion	-do-	Agri found light red	Demonstration, Training and Gosthi	18	100	40.0
10	Ferti seed drill (AE)	Sowing methods	Sowing of wheat through ferti seed drill	Demonstration, Training and Gosthi	22	68	6.0
11	Laser levellor	RCT	Importance & use of laser levellor	Demonstration, Training and Gosthi	14	70	18.0
12	Ferti seed drill (AE)	Sowing methods	Sowing of wheat through ferti seed drill	Demonstration, Training and Gosthi	22	82	22.0
13	Nutritional Kitchen Garden	House hold food security	Growing seasonal vegetables, fruits in the kitchen garden ($100m^2$)	Demonstration, Training and Gosthi	30	78	5.0
14	Mixed Pickle	Value addition	Pickle making	Demonstration, Training and Gosthi	17	68	-
15	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 2020

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	Green gram	CRM	Package of agronomy practices for max. production	Zaid 2020	10.0	10.0	05	20	25	-
2	Mustard	ICM	Package of agronomy practices for max. production	Rabi 2020-21	20.0	20.0	03	47	50	-
3	Wheat	INM	Effect of balance fertilization on wheat yield.	Rabi 2019-20	4.0	4.0	-	10	10	-
4	Wheat	Varietal Evaluation	Demonstration of new HYV DBW-88	Rabi 2019-20	4.0	6.0	-	15	15	-
5	Wheat	RCT	Sowing of wheat through ferti seed drill	Rabi 2019-20	4.0	4.0	02	08	10	-
6	Onion	-do-	Demonstration of new HYV N-53	Rabi 2019-20	2.0	2.0	02	08	10	-
7	Paddy	Weed mgt	Effect of new weedicide on weed control efficacy in paddy	Kharif 2020	4.0	4.0	-	10	10	-
8	Paddy (PB)	Varietal Evaluation	Demonstration of new basmati variety Pusa Basmati 1718	Kharif 2020	4.0	4.0	-	10	10	-
9	Laser levellor	RCT	Importance & use of laser levellor	Kharif 2020	4.0	4.0	03	07	10	-
10	Wheat	Weed mgt	Demonstration of new weedicide (Clodinafob 9% + metribuzine 20%) for weed mgt. in wheat	Rabi 2020-21	4.0	4.0	-	10	10	-
11	Wheat	RCT	Sowing of wheat through ferti seed drill	Rabi 2020-21	4.0	4.0	-	10	10	-
12	Wheat	CRM	Mechanization for field preparation of wheat after paddy through mulcher	Rabi 2020-21	-	20.4	08	43	51	-
13	Wheat	CRM	Sowing of wheat through zero till ferti seed drill	Rabi 2020-21	-	4.8	02	10	12	-
14	Berseem	Fodder mgt	To increase yield through HYV BL-10	Rabi 2020-21	0.5	0.5	-	05	05	-

Details of farming situation

SN	Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing /application date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
					N	P	K					
1	Green gram	Zaid 2020	Irrigated	Loam & sandy loam	Medium	Medium	Medium	Wheat and mustard	16.03.20 to 15.04.20	28.05.20 to 12.06.20	-	-
2	Mustard	Rabi 2020-21	Irrigated	-do-	Low	Medium	Medium	Paddy	24.10.20 to 05.11.20	-	25	04
3	Wheat	Rabi 2019-20	Irrigated	-do-	Medium	Medium	Medium	Paddy	15-28.11.19	05-12.04.20	40	09
4	Wheat	Rabi 2019-20	Irrigated	-do-	Medium	Medium	Medium	Paddy	15-28.11.19	05-12.04.20	40	09
5	Wheat	Rabi 2019-20	Irrigated	Loam	Medium	Medium	Medium	Paddy	15-17.11.19	06-10.04.20	40	09
6	Onion	Rabi 2019-20	Irrigated	Sandy loam soil	Low	Medium	Medium	Bottle gourd	18-22.11.19	15-20.04.20	30	06
7	Paddy	Kharif 2020	Irrigated	Loam	Low	Medium	Medium	Green manure	20-25.06.20	25-30.10.20	265	22
8	Paddy	Kharif 2020	Irrigated	-do-	Low	Medium	Medium	Wheat	15-20.06.20	20-30.10.20	265	22
9	Laser levellor	Kharif 2020	Irrigated	-do-	Low	Medium	Medium	Wheat	-	-	-	-
10	Wheat	Rabi 2020-21	Irrigated	-do-	Low	Medium	Medium	Kitchen garden	20-28.11.20	-	25	04
11	Wheat	Rabi 2020-21	Irrigated	-do-	Low	Medium	Medium	-	21-30.11.20	-	25	04
12	Wheat	Rabi 2020-21	Irrigated	-do-	Low	Medium	Medium	Paddy	-	-	25	04
13	Wheat	Rabi 2020-21	Irrigated	-do-	Low	Medium	Medium	Paddy	15-28.11.20	-	25	04
14	Berseem	Rabi 2020-21	Irrigated	-do-	Low	Medium	Medium	Paddy	15-20.10.20	-	25	04

Technical Feedback on the demonstrated technologies

S N	Crop	Feed Back
1	Paddy	Use of balance fertilizer produce higher yield and less incidence of diseases. Variety PS-1612 shows higher yield in its segment and resistance against false smut.
2	Wheat	Variety DBW-88 having good yield and showed resistance against Karnal Bunt disease.
3	Onion	Variety N-53 yield more than local variety with good bulb size and high yield.

Farmers' reactions on specific technologies

S N	Crop	Feed Back
1	Lentil	Grain size is as per local mandi demand
2	Paddy	Vareity PS-1612 received approximate similar rate as PB-1509 in local mandi.
3	Wheat	Vareity HD-3086 did not find any disease in field.

Extension and Training activities under FLD

SN	Activity	No. of activities organized	Number of participants	Remarks
1	Field days	12	350	-
2	Farmers Training	10	180	-
3	Media coverage	03	-	-
4	Training for extension functionaries	02	40	-

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops:

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Mustard																		
Rabi 2020-21	ICM	Package of agronomy practices for max. production	RH-749	50	20.0	Result awaited												

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 2020	ICM	Package of agronomy practices for max. production	IPM-205-7	25	10.0	10.75	8.25	9.25	7.50	23.3	42325.00	45672.00	3347.00	1.10	37825.00	39050.00	1225.00	1.03

Cluster FLD photographs

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											
					High	Low	Avg.			Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Scented Rice																			
CP Basmati Kharif 2020	Weed mgt.	Effect of new weedicide (Phenoxulum@ 100 ml/ha) on weed control efficacy in paddy	10	4.0	47.50	42.60	44.80	38.5	16.2	No. of weeds – 18/m^2	No. of weeds – 26/m^2	84800	194200	109400	2.30	80800	169000	88200	2.00
PB (Kharif 2020)	Varietal Evaluation	Variety – Pusa 1718	10	4.0	58.2	54.8	56.5	47.5	18.9	No. of effective tillers – 142/m^2	No. of effective tillers – 112/m^2	84800	170200	85400	2.00	80800	145000	64200	1.8
Wheat timely sown																			
CP (Rabi 2019-20)	INM	Effect of balance fertilization on wheat yield. – K @ 60.0 kg + S @ 25 kg+Zn @ 20 kg / ha	10	4.0	52.00	44.00	48.80	42.80	14.0	No. of effective tillers – 134/m^2	No. of effective tillers – 125/m^2	68500	110400	41900	1.6	67200	99900	32700	1.5
PB (Rabi 2019-20)	Varietal evaluation	Variety DBW-88	10	4.0	54.00	46.00	49.85	44.60	11.7	No. of effective tillers – 143./m^2	No. of effective tillers – 115./m^2	68500	112238	43738	1.60	67200	103050	35850	1.50
CP (Rabi 2020-21)	Weed mgt.	Phenoxodone (Clodinofob 9% + Matribuzine 20% @ 240 gm/acre)	10	4.0	Result awaited														

Vegetables																			
Onion																			
Rabi 2019-20	Varietal perfor-mance	N-53	10	2.0	403	362	380	350	6.6	-	-	128500	304000	175500	2.40	121000	280000	159000	2.30
Rabi 2020-21	Fodder production	HYV for max production BL-10	05	0.5	Result awaited														


FLD Photographs

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% 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
Ferti Seed Drill (Rabi 2019-20)	Wheat	Seeds sowing by seed drill	10	4.0	Tillers/m^2 Yield (q/h)	178 48.0	121 43.6	10.0	-	6	65	71	-	24850	-	24850

Laser levelor (Kharif, 20)	Paddy	Importance and use of laser levelor for Field leveling	10	4.0	Low Cost of irrigation	04	06	-33	-	2	-	2	-			
Ferti Seed Drill (Rabi 2020-21)	Wheat	Seeds sowing by seed drill	10	4.0	Result awaited											




FLD on Livestock

1. Control of Mastitis disease in milch animal (Kharif, 2020)

Enterprise	Type of animal	Name of the technology	No. of animals	No. of demonstration	Animal cured number	Cured %age
Dairy husbandry	Buffalo	Use of Masti out Plus Kit	15	15	14	93.33

Masti out plus kit distributed to farmers

2. Feeding of mineral mixture and deworming to enhance milk production and regulate normal fertility (Rabi 2019-20)

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
Dairy husbandry	Buffalo	Use of mineral mixture @ 50 gm/day/animal + deworming 2-3 times in a year	10	10	09	05	9.00	7.75

Use of mineral mixture

III. Training Programme (Jan 2020 to December 2020)

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	18	-	18	2	-	2	20	-	20
Resource Conservation Technologies										
Cropping Systems	1	18	-	18	2	-	2	20	-	20
Crop Diversification	1	18	-	18	2	-	2	20	-	20
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	1	18	-	18	2	-	2	20	-	20
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)										
Total	**4**	**72**	**-**	**72**	**8**	**-**	**8**	**80**	**-**	**80**
II Horticulture										
a) Vegetable Crops										
Production of low value and high volume crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)										
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)										
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										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management	2	36	-	36	4	-	4	40	-	40
Feed & fodder technology	1	18	-	18	2	-	2	20	-	20
Production of quality animal products										
Others (pl specify)										
Total	**3**	**54**		**54**	**6**		**6**	**60**		**60**
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										
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	3	54	-	54	6	-	6	60	-	60
Small scale processing and value addition										
Post Harvest Technology										
Others (Use of advanced agricultural implements)										
Total	**3**	**54**	**-**	**54**	**6**	**-**	**6**	**60**	**-**	**60**
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										
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										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production (Pl. Breeding)										
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	**10**	**180**	**-**	**180**	**20**	**-**	**20**	**200**	**-**	**200**

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										
Resource Conservation Technologies	1	18	-	18	2	-	2	20	-	20
Cropping Systems										
Crop Diversification	1	18	-	18	2	-	2	20	-	20
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	3	54	-	54	6	-	6	60	-	60
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs										
Soil sampling										
Total										
II Horticulture										
a) Vegetable Crops										
Production of low value and high volume crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)										
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)										
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	4	76	-	76	4	-	4	80	-	80
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management	1	18	-	18	2	-	2	20	-	20
Feed & fodder technology	1	18	-	18	2	-	2	20	-	20
Production of quality animal products										
Others (pl specify)										
Total										

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										
Installation and maintenance of micro irrigation systems	2	36	-	36	4	-	4	40	-	40
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements	3	54	-	54	6	-	6	60	-	60
Small scale processing and value addition										
Post Harvest Technology	1	18	-	18	2	-	2	20	-	20
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total										
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
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										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production (Pl. Breeding)	1	18	-	18	2	-	2	20	-	20
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	**18**	**328**	**-**	**328**	**32**	**-**	**32**	**360**	**-**	**360**

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	1	18	-	18	2	-	2	20	-	20
Resource Conservation Technologies	1	18	-	18	2	-	2	20	-	20
Cropping Systems	1	18	-	18	2	-	2	20	-	20
Crop Diversification	2	36	-	36	4	-	4	40	-	40
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	4	72	-	72	8	-	8	80	-	80
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs										
Soil sampling										
Total										
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)										

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)										
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	4	76	-	76	4	-	4	80	-	80
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management	3	54	-	54	6	-	6	60	-	60
Feed & fodder technology	2	38	-	38	2	-	2	40	-	40
Production of quality animal products										
Others (pl specify)										
Total										
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										
Installation and maintenance of micro irrigation systems	2	36	-	36	4	-	4	40	-	40
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements	6	108	-	108	12	-	12	120	-	120
Small scale processing and value addition										
Post Harvest Technology	1	18	-	18	2	-	2	20	-	20
Others (Use of advanced agricultural implements)										
Total										
VII Plant Protection										
Integrated Pest Management										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total										

VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
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										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production (Pl. Breeding)	1	18	-	18	2	-	2	20	-	20
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	**28**	**510**	**-**	**510**	**50**	**-**	**50**	**560**	**-**	**560**

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										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs	1	8	-	8	2	-	2	10	-	10
Planting material production										
Vermi-culture	2	17	-	17	3	-	3	20	-	20
Mushroom Production	1	8	-	8	2	-	2	10	-	10
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	1	8	-	8	2	-	2	10	-	10
Tailoring and Stitching										
Rural Crafts (Tie & dye)										
Production of quality animal products										
Dairying	2	8	4	12	2	6	8	10	10	20
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										
Income generation activities for employment of rural women (Printing & Designing)										
TOTAL	**8**	**57**	**4**	**61**	**13**	**6**	**19**	**70**	**10**	**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										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs	1	8	-	8	2	-	2	10	-	10
Planting material production										
Vermi-culture	2	17	-	17	3	-	3	20	-	20
Mushroom Production	1	8	-	8	2	-	2	10	-	10
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	1	8	-	8	2	-	2	10	-	10
Tailoring and Stitching										
Rural Crafts (Tie & dye)										
Production of quality animal products										
Dairying	2	8	4	12	2	6	8	10	10	20
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										
Income generation activities for employment of rural women (Printing & Designing)										
TOTAL	**8**	**57**	**4**	**61**	**13**	**6**	**19**	**70**	**10**	**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	2	40	-	40	-	-	-	40	-	40
Integrated Pest Management										
Integrated Nutrient management	1	20	-	20	-	-	-	20	-	20
Rejuvenation of old orchards										
Protected cultivation technology	1	20	-	20	-	-	-	20	-	20
Production and use of organic inputs										
Care and maintenance of farm machinery and implements	3	60	-	60	-	-	-	60	-	60
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	40	-	40	-	-	-	40	-	40
Livestock feed and fodder production	1	20	-	20	-	-	-	20	-	20
Household food security										
Seed Production	1	20	-	20	-	-	-	20	-	20
IDM										
Micro irrigation system										
Bio agent production										
Nursery raising										
Integrated farming										
TOTAL	**11**	**220**	**-**	**220**	**-**	**-**	**-**	**220**	**-**	**220**

Training programmes for Extension Personnel including sponsored training programmers (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										
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										
Seed Production										
IDM										
Micro irrigation system										
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	2	40	-	40	-	-	-	40	-	40
Integrated Pest Management										
Integrated Nutrient management	1	20	-	20	-	-	-	20	-	20
Rejuvenation of old orchards										
Protected cultivation technology	1	20	-	20	-	-	-	20	-	20
Production and use of organic inputs										
Care and maintenance of farm machinery and implements	3	60	-	60	-	-	-	60	-	60
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	40	-	40	-	-	-	40	-	40
Livestock feed and fodder production	1	20	-	20	-	-	-	20	-	20
Household food security										
Seed Production	1	20	-	20	-	-	-	20	-	20
IDM										
Micro irrigation system										
Bio agent production										
Nursery raising										
Integrated farming										
TOTAL	**11**	**220**	**-**	**220**	**-**	**-**	**-**	**220**	**-**	**220**

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
Crop production and management										
Increasing production and productivity of crops										
Commercial production of vegetables										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management										
Production of Inputs at site										
Methods of protective cultivation										
Others (Pl specify)										
Total										
Post harvest technology and value addition										
Processing and value addition										
Others (pl. specify)										
Total										
Farm machinery										
Farm machinery, tools and implements										
Others (pl. specify)										
Total										
Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)										
Total										

Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Others (Pl specify)										
Total										
Agricultural Extension										
Capacity Building and Group Dynamics										
Others (pl. specify)										
Total										
GRAND TOTAL										

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**
Skill Training	2	28	5	33	3	4	7	31	9	40
GRAND TOTAL	**2**	**28**	**5**	**33**	**3**	**4**	**7**	**31**	**9**	**40**

Name of sponsoring agencies involved

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

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**

Some good Training Photographs

Photographs Skill Training “Quality Seed Producer” under Kaushal Vikas Prashikshan








Photographs Skill Training “Organic Producer” under Kaushal Vikas Prashikshan

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	86	380	42	**422**
Diagnostic visits	32	218	25	**243**
Field Day	06	98	22	**120**
Group discussions	01	22	10	**32**
Kisan Ghosthi	06	312	46	**358**
Kisan Mela	01	388	22	**410**
Exhibition	01	213	27	**240**
Scientists' visit to farmers field	58	415	-	**415**
Ex-trainees Sammelan	-	-	-	**-**
Method Demonstrations	-	-	-	**-**
Celebration of important days	03	102	12	**114**
Exposure visits	02	40	-	**40**
Lecture delivered	43	522	28	**550**
Total	**239**	**2710**	**234**	**2944**

Details of other extension programmes

Particulars	Number
Extension Literature	03
News paper coverage	09
Research Paper	-
Popular articles	02
TV Talks	07
Leaflet	01
Technical Article	-
Technical Report	04
Total	**26**

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	88	32	-	12	258	68	458
	Voice only	220	42	06	12	33	65	378
	Voice & Text both	15	03	-	-	38	12	68
	Arogya Setu app	-	-	-	-	-	-	588
	Aayush Kavach app	-	-	-	-	-	-	162
	Total Messages	**323**	**77**	**06**	**24**	**329**	**133**	**1654**
	Total farmers Benefitted	**323**	**77**	**06**	**24**	**329**	**133**	**1654**

Desmonstate desi breed – Gir at centre

Kisan Diwas

Visit of Hon'ble VC sir with committee for KVK farm development

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	Tomato	Pusa Rohini	-	20800	5200	80
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 Fertilisers				
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				-
Water				
Plant				
Manure				
Others (pl.specify)				
Total				-

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
KVK, G.B. Nagar	**One on dated 4th November, 2020**

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
Total	-	-	-

Major area coverage under alternate crops/varieties

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

Farmers-scientists interaction on livestock management

Livestock components	Number of interactions	No.of participants
Total		

Animal health camps organised

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

Seed distribution in drought hit states

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

Large scale adoption of resource conservation technologies

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

Awareness campaign

	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

XIV. AGRICULTURAL TECHNOLOGY INFORMATION CENTRE (2020) - NA

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 2020 to Dec 2020)

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

C. Facilities in the ATIC which are in operation

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

D. Technology information provided

D.1. Details on technology information (Jan 2020 to Dec 2020)

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 2020 to Dec 2020)

S. No	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 (please specify)			

E. Technology Products provided (Jan 2020 to Dec 2020)

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 2020 to Dec 2020)

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

XV. TECHNOLOGICAL BACKSTOPPING BY DIRECTORATES OF EXTENSION

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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	Advanced technology of summer moong cultivation	06.02.2020	1	20
	Importance of summer ploughing & green manuring in R-W, cropping system.	22.04.2020	1	20
	Weed mgt in transplanted paddy	08.07.2020	1	20
	Advanced in Rabi pulses production	06.10.2020	1	20
Live stock production	H.S. disease: Its symptom and preventive measures.	19.05.2020	1	20
	Importance of mineral and vitamins in animal feed.	08.07.2020	1	20
	F.M.D.: Its symptoms and preventive measures.	30.10.2020	1	20
Agri. Engg.	Safe use of thresher during operation	19.04.2020	1	20
	Use of Rotavator as puddler for paddy	07.07.2020	1	20
	Use of mulcher to reduce paddy straw burning	20.10.2020	1	20

1.2 Off Campus Training for Practicing farmers & Farm Women

Subject	Title of the training programme	Date	Duration in days	Total
Crop production	Advanced prodn. tech. of summer moong	02.02.2020	1	20
	Production techniques of black gram in kharif	11.08.2020	1	20
	Advances in Toria /mustard cultivation	08.09.2020	1	20
	Mgt. of paddy crop resides in- situ & ex-situ.	20.10.2020	1	20
	Production practices of timely sown wheat.	05.11.2020	1	20
Live stock production	Importance of AI and mgt. of pregnant animals.	16.06.2020	1	20
	Urea treatment of wheat straw for improving nutritive value	23.06.2020	1	20
	Vaccination and deworming schedule in dairy animals	30.07.2020	1	20
	Control measures of Endo-Ecto parasitic infestation	28.08.2020	1	20
	Care and feeding of newly born calf	07.11.2020	1	20
	Symptoms of heat and time of insemination in dairy animals	03.12.2020	1	20
Agri. Engg.	Fertigation through micro-irrigation system	18.02.2020	1	20
	Use and importance of Reversible MB Plough	09.06.2020	1	20
	Methods of water harvesting	07.08.2020	1	20
	Operation and maintenance of micro-irrigation system.	10.09.2020	1	20
	Importance of ferti seed drill in wheat sowing.	16.11.2020	1	20
	Low cost of sowing wheat by using happy seeder	06.11.2020	1	20
Plant breeding	Technique of roughing in wheat seed production.	24.01.2020	1	20

1.3 On campus Income and Employment Generating Training Programmes for Rural Youths

Crop / Enterprise	Training title*	Date / Month	Duration (days)	G.Total
Crop Prodn.	Production technology of vermi compost	12-16.03.2020	5	10
	Vermi compost production technology	15-19.06.2020	5	10
	Production of organic inputs at farm level	20-24.07.2020	5	10
	Production technology of oyster mushroom through paddy residue.	09-13.11.2020	5	10
Dairying (Animal Husbandry)	Scientific dairy farming	17-21.08.2020	5	10
	Scientific dairy farming	14-18.12.2020	5	10
Ag. Engg.	Importance of laser land leveler	15-20.06.20	5	10
	Maintenance of farm machinery implements	07-12.12.20	5	10

1.4 In-service Extension worker's Training Programs

Clientele	Title of the training programme	Date	Duration in days	G. Total
Crop Production	Latest techniques of sugarcane production	12.02.2020	1	20
	Soil testing methods & balance nutrient mgt.	12.05.2020	1	20
	Importance & technique of water conservation	25.08.2020	1	20
	Advances in mustard cultivation	14.10.2020	1	20
Livestock Prodn & Mgt.	Infertility management in dairy animals	28.05.2020	1	20
	Use and importance of mineral mixture.	22.09.2020	1	20
	Factor affecting milk yield (quantity) and milk composition.	25.11.2020	1	20
Agriculture Engineering	Operation & maintenance of Plant Protection equipments.	15.02.2020	1	20
	Use of seed drill & Happy Seeder for wheat sowing.	29.09.2020	1	20
	Use of various implements for crop residue mgt.	08.10.2020	1	20
Plant Breeding	Seed production of cauliflower.	18.02.2020	1	20