KRISHI VIGYAN KENDRA, GAUTAM BUDH NAGAR

ANNUAL PROGRESS REPORT (APRIL, 2017 – MARCH, 2018)

APR SUMMARY

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

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	72	1184	256	1440
Rural youths /Vocational	17	130	40	170
Extension functionaries	38	600	160	760
Sponsored Training	2	100	-	100
Vocational Training	-	-	-	-
Total	129	2014	456	2470

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	-	-	-
Pulses (CFLD)	50	20.0	-
Cereals	25	10.0	-
Vegetables	7	1.8	-
Other crops	5	0.05	-
Hybrid crops	-	-	-
Total	87	31.85	-
Livestock & Fisheries	25	-	25
Other enterprises	30	6.0	-
Total	55	6.0	25
Grand Total	142	37.85	25

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	02	02	08
Livestock	-	-	-
Various enterprises	03	03	15
Total	05	05	23
Technology Refined			
Crops	-	-	-
Livestock	-	-	-
Various enterprises	-	-	-
Total	-	-	-
Grand Total	05	05	23

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	884	8652
Other extension activities	57	
Total	941	8652

5. Mobile Advisory Services

Name			Type of Messages					
of KVK	Message Type	Crop	Live- stock	Weather	Marke -ting	Aware -ness	Other enterprise	Total
~ -	Text only	22	08	-	05	18	12	65
GB Nagar	Voice only	65	22	12	18	36	42	195
	Voice & Text both	-	-	-	-	-	-	-
	Total Messages	87	30	12	23	54	54	260
	Total farmers Benefitted	87	30	12	23	54	54	260

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q) (Commercial)	43.6	1,18,000.00
Planting material (No.)	-	-
Bio-Products (kg)	-	-
Livestock Production (No.)	-	-
Fishery production (No.)	-	-

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	50	-
Water	-	-
Plant	-	-
Total		-

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	02
2	Conferences	03
3	Meetings	08
4	Trainings for KVK officials (attended)	07
5	Visits of KVK officials	10
6	Book published	-
7	Training Manual	04
8	Book chapters	-
9	Research papers	02
10	Lead papers	-
11	Seminar papers	-
12	Extension folder	05
13	Proceedings	03
14	Award & recognition	01
15	On going research projects	-

9. Special Programmes (Details given in Annexure -B)

SN	Name of Prog.	Date	No of Beneficiaries
1	Kharif Kisan Gosthi evm Mela at Dadri block	15.06.17	200
2	Export Potential of Basmati Rice by Basmati Export Development Foundation at KVK, GB Nagar	16.06.17	105
3	Kharif Kisan Gosthi evm Mela at Jewar block	19.06.17	150
4	India Today Conclave (Agro Award Programme) for doubling farmers income at NAAS Campus, New Delhi	23.06.17	22
5	Safe Storage Campaign by Entomological Society of India and UPL at NAAS Campus, New Delhi	11.07.17	55
6	NABARD Foundation Day Celebration and Training at DTO office, Dadri	12.07.17	45
7	Ag. Dept. Kisan Mela at Surajpur	18.08.17	250
8	Sankalp Se Siddhi for doubling farmers income	04.09.17	432
9	Mushroom Training at KVK, GB Nagar	06.09.17	58
10	Kisan Mela at SVPUA&T, Meerut	07-09.10.17	56
11	Attended International Training Programme at Israel by Prof. & Head Dr. Mayank Kumar Rai	21.10.17 to 10.11.17	-
12	Winter School attended by Dr. Sheesh Pal Singh at CIAH, Bikaner	28.10.17 to 17.11.17	-
13	Soil Health Day Celebration at Khursadpura, Dadri	05.12.17	73
14	Kisan Pathshala in Millanium farmers prog. Sponsored by UP Govt. at Kalonda, Dadri	05.12.17	40
15	Kisan Sanman Diwas at KVK Campus	23.12.17	70
16	Dept. of Horticulture Kisan Mela at KVK Campus	03.01.18	250
17	Dept. of Horticulture Kisan Mela at Dankaur block	06.01.18	310
18	HRD training	15-16.01.18	-
19	HRD training	19-20.01.18	-
20	HRD training	29-30.01.18	-
21	Diversification of Agriculture at DTO by Dr. M.K. Rai	20.02.18	60
22	Kisan Gosthi at Javik Gram Bambawad, GB Nagar	22.02.18	180
23	Spices training sponsored by Dept. of Horticulture, SVPUA&T, Meerut	26.02.18	80
24	Disaster management training at DTO GB Nagar	07.03.18	40
25	National Conference of KVKs at IARI, New Delhi	16-17.03.18	-
26	Parali Management at NAAS Complex, New Delhi	26.03.18	-
27	Farmers Technical Training	12-14.03.18	50
28	Farmers Technical Training	22-24.03.18	50
29	Krishi Unnati Mela at IARI, New Delhi	17.03.18	110

DETAIL REPORT OF APR - 2017-18

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	08178365872	-	gbnagarkvk@gmail.com mayankrai71@gmail.com

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

Address	Telep	E-mail			
	Office FAX		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	-	08178365872	mayankrai71@gmail.com	

1.4. Year of sanction: June, 2005

1.5. Staff Position (as on 30th March, 2018)

S N	Sanctioned post	Name of the incumbent	Design- ation	Discipline	Pay Scale (Rs.)	Present Total basic (Rs.)	Date of joining	Perman- ent /Temp- orary	Category (SC/ST/ OBC/ Others)	Mobile no.	Age	Email id
1	Programme Coordinator	Dr. Mayank Kr Rai	Prof. & Head	Entomology	37400- 67000	58200	28.06.08	Regular	Others	08178365872	46	mayankrai71@gmail.com
2	Subject Matter Specialist	Er. Madhvendra Singh	Asso. Dir. Ext.	Ag. Engg.	37400- 67000	60800	20.11.13	Regular	Others	09457363443	56	singhm1501@gmail.com
3	Subject Matter Specialist	Dr. D.K. Sachan	Asst Prof. / SMS	Agronomy	15600- 39100	32020	27.06.08	Regular	OBC	09868258098	52	sachandharmendra66@gmail.com
4	Subject Matter Specialist	Dr. Laxmi Kant	Asst Prof. / SMS	Pl. breeding	15600- 39100	29960	01.01.09	Regular	Others	09457085593	52	laxmikant1965@yahoo.co.in
5	Subject Matter Specialist	Smt. Vinita Singh	Asst Prof. / SMS	Home Science	15600- 39100	28220	11.07.08	Regular	Others	09717091158	49	write2vinita1@gmail.com
6	Subject Matter Specialist	Dr. Sheesh Pal Singh	Asst Prof. / SMS	Horticulture	15600- 39100	30190	07.08.12	Regular	SC	09410849455	43	singhsp14@gmail.com
7	Subject Matter Specialist	VACCANT										
8	Programme Assistant	Sh. Kunwar Ghanshyam	Training Assistant	Animal Husbandry	7 th Pay	74300	05.07.14	Regular	OBC	09412120240	50	kunwarg2011@gmail.com
9	Computer Programmer	Sh. Ashu Arora	Program Assistant	Computer Science	7 th Pay	68000	04.03.06	Regular	Others	08010907124	45	aarora.kvkgbn@yahoo.co.in
10	Farm Manager	Sh. Suraj Bhan	Training Assistant	Agronomy	7 th Pay	74300	07.12.13	Regular	OBC	09412146644	48	surajbhankvk@gmail.com
11	Accountant / Superintendent	Smt. Rajesh	Assistant	-	7 th Pay	35400	20.06.17	Regular	Others	09058699924	58	
12	Stenographer	Sh. Rakesh Kumar	Jr. Steno	-	7 th Pay	52000	06.06.06	Regular	OBC	09319367470	50	
13	Driver	Mohd. Shokin	Driver	-	7 th Pay	31400	01.08.17	Regular	Others	09058541050	46	
14	Driver	Sh. Sandeep Kumar	Driver	-	7 th Pay	27600	30.07.07	Regular	SC	09412833537	38	
15	Supporting staff	VACCANT										
16	Supporting staff	Sh. Praduman	Attendant	-	7 th Pay	24200	27.02.08	Regular	OBC	09675589243	41	

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	11.025
5.	Others (specify)	

1.7. Infrastructural Development:

A) Buildings

					St	age			
	Name of	Name of Source		Complete			Incomplete		
SN	building	of	Completion	Plinth	Expend-	Starting	Plinth	Status of	
	bunung	funding	Date	area	iture	Date	area	construction	
				(Sq.m)	(Rs.)		(Sq.m)		
1.	Administrative	ICAR	-	-	-	Oct, 06	510		
	Building								
2.	Farmers Hostel	ICAR	-	-	-	Oct, 06	300		
3.	Staff	ICAR	-	-	-	Oct, 06	400		
	Quarter(6)								
4.	Demonstration Units (2)	ICAR	-	-	-	Oct, 06	160	Work	
5.	Fencing	ICAR	-	-	-	Oct, 06	2000	aneady	
							r.m	completed.	
6.	Rain Water	ICAR	-	-	-	-	-		
	system								
7.	Threshing	ICAR	-	-	-	Oct, 06	300		
	floor								
8.	Farm godown	ICAR	-	-	-	Oct, 06	60		

B) Vehicles

Type of vehicle	Year of	Cost (Rs.)	Total Km. Run	Present status
	purchase			
Jeep (M & M) Bolero	2006	472210.00	229512	Working
Tractor with implements	2006	360000.00	1981	Working

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
SN 1.		 Dr. Gaya Prasad, Hon'ble Vice Chancellor, SVPUA&T, Meerut Dr. S.K. Sachan, Dir. Ext., SVPUA&T, Meerut Dr. Mohan Lal, Prof. & Head, Agronomy, SVPUA&T, Meerut 	 Dr. Gaya Prasad, Hon'ble V.C., SVPUA&T, Meerut suggested that a project for development of farm may be submitted to Rastriya Krishi Vikas Yojna (RKVY) to finance the project. 	 A Project on development of KVK farm, amount Rs 70.00 lakh has been submitted to Rastriya Krishi Vikas Yojna (RKVY) for financial help during the year 2017- 18.
		 Dr. Divya Trivedi, Veterinary Officer, Kalonda, GB Nagar Dr. Tanvi Sharma, PPO, GB Nagar Sh K P. Singh, DHO, GB Nagar 	2. Dr. Gaya Prasad, Hon'ble V.C., SVPUA&T, Meerut also suggested that a letter may be written to ICAR for grant of money for repairing of toilets of administrative building of KVK	 The same has been conveyed to Director, ICAR-ATARI, Kanpur.
	16.12.2017	 Shi Ki , Shigh, Dho, OB Nagar Sh. Jagpal Singh, Secretary, FARMAR NGO Dr. Mayank Kumar Rai, Secretary/ Head, KVK, GB Nagar Er. Madhvendra Singh, Assoc. Dir. Ag. Engg., KVK, GB Nagar 	3. Dr. Gaya Prasad, Hon'ble V.C., SVPUA&T, Meerut also directed the scientist of KVK to present progress report and action plan before the SAC in holistic way covering result along with impact.	 The same will be followed during the presentation of progress report and action plan before the SAC
		 Dr. D.K. Sachan, SMS, Agronomy, KVK, GBNagar Dr. Laxmi Kant, SMS, Plant Breeding, KVK, GBNagar Smt. Vinita Singh, SMS, Home Sc., KVK, GB Nagar Dr. Sheesh Pal Singh, SMS, Horticulture, KVK, GBNagar 	 Dr. S.K. Sachan, Dir. Ext. SVPUA&T, Meerut suggested that, at the centre there should be a demonstration unit of Nutritional Garden and Crop Cafeteria in working condition. 	 Layout plan of the Nutritional Garden and Crop Cafeteria has been worked out.
		 Sh. Kunwar Ghanshyam, Trg. Asstt (AH), KVK, GBNagar Sh. Suraj Bhan, Trg. Asstt.(Agronomy), KVK, GBNagar Sh. Ashu Arora, Prog. Asstt (Computer), KVK, GB Nagar 	5. Dr. S.K. Sachan, Dir. Ext. SVPUA&T, Meerut further suggested that the land which is suitable for crop production should only be consider under the farm crop production plan.	5. The proposal will be submitted as per direction.
		 Sh. Rakesh Kumar, Jr. Steno, KVK, GB Nagar Mohd. Shokin, Driver, KVK, GB Nagar Sh. Sandeep, Driver, KVK, GB Nagar Sh. Praduman, Attendent, KVK, GB Nagar Sh. Vegrai Progressive Farmer, GB Nagar 	6. Dr. S.K. Sachan, Dir. Ext. SVPUA&T, Meerut directed that the budget granted by ICAR for mandatory activities not be fully utilized.	6. It will done as per the direction.
		21. Sh. Vegraj, Hogressive Farmer, GB Nagar22. Sh. Maan Singh Bhati, Progressive Farmer, GB Nagar	 Dr. Tanvi Sharma, PPO, GB Nagar suggested that bio-control measures should be used more and more for control of disease and pests in vegetables 	 The FLDs, training programmes on this aspects have already been conducted by the KVK.

 23. Sh. Maninder, Progressive Farmer, GB Nagar 24. Sh. Sanjeev Kr. Premi, Progressive Farmer, GB Nagar 25. Sh. Vishan Pal Singh, Progressive Farmer, GB Nagar 	8. Dr. Divya Trivedi, V.O., suggested that vaccination programmes for cattle's should be conducted twice in a year in association with veterinary dept.	8. It will be conducted in association with district veterinary dept.
26. Sh. Veerendra Singh, Farmer, GB Nagar27. Sh. Brijesh, Farmer, GB Nagar28. Sh. Dal Chandra, Farmer, GB Nagar29. Sh. Jayant Teotia, Farmer, GB Nagar	 Sh. Jagpal Singh, Secretary, FARMER NGO suggested that the KVK should work in coordination with other departments of the district. 	9. The KVK already work in coordination with other department of the district.
 30. Sh. Rajeev Kumar, Farmer, GB Nagar 31. Sh. Har Swaroop, Farmer, GB Nagar 32. Sh. Pradeep Kumar, Farmer, GB Nagar 33. Sh. Santosh Sharma, Farmer, GB Nagar 34. Sh. Aiay Kumar, Farmer, GB Nagar 	 Dr. Mohan Lal, Prof. & Head, Agronomy, SVPUA&T, Meerut suggested that the scientist of the KVK adopt villages of the district. 	10.All scientist of the KVK has already adopted villages.
 34. Sh. Ajay Kumai, Farmer, GB Nagar 35. Sh. Sonu Prakash, Farmer, GB Nagar 36. Sh. Satpal Singh, GB Nagar 	11. Sh. Man Singh Bhati, Progressive farmer suggested that to grant the right price of the produce to farmers their should be formed a producer to consumer net work.	11.The KVK will help in such a initiative of the farmers.
	12. Sh. K.P. Singh, DHO, GB Nagar suggested that the problems being reported in old orchards should be solved by the scientist after seeing the problem at the spot.	12. The Scientist always visit the field if the problem is complex.







Scientific Advisory Committee Meeting Photographs

2. DETAILS OF DISTRICT (2017-18)

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

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

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	37880
		medium.	
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

Kha	rif.	201	7
	,		

SN	Сгор	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

Rabi 2017-18

SN	Сгор	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	3553	3442	10.27
7	Mustard	236	379	16.06

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2.5. Weather data 2017-18 (up to 31.12.2016)

Month	Dainfall (mm)	Tempera	ture ⁰ C	Relative	
Monun	Kalillall (IIIII)	Maximum	Minimum	Humidity (%)	
April, 2017	66.00	-	-	-	
May, 2017	4.00	-	-	-	
June, 2017	67.00	-	-	-	
July, 2017	138.00	-	-	-	
August, 2017	174.00	-	-	-	
September, 2017	0.00	-	-	-	
Total Kharif	449.00				
October, 2017	0.00	-	-	-	
November, 2017	0.00	-	-	-	
December, 2017	0.00	-	-	-	
January, 2018		-	-	-	
February, 2018		-	-	-	
March, 2018		-	-	-	
Total Rabi	449.00				

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

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

2.7 Details of Operational area / Villages (2017-18)

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	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

	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 	 IPNM IWM IPM Guava orchard management with respect to wilt. Mango orchard management Balanced animal feeding De-worming
Iewar				Worm's infestation	
JEWAI	Jewar	Chakvee- rampur Dhansia Dastampur Mahmadpur- Jadaun	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.

<u>2.9</u> Intervention/ Pro	ogrammes for the	e doubling the far	mers income – du	uring 2017-18	Demon	strations	
Before	Main crop	Inter crop	Equivalent	Cost of	Net income(Rs/ha)	B.C:	Remark if
Interventions	Yield(q/ha)	Yield(q/ha)	Yield(q/ha)	cultivation(Rs/ha)*		Ratio	any
Intercropping							
System(Kharif-Rabi-							
Zaid) -Livestock etc.							
						_	
Discussion : Irrigation	, Fertilizers, Labo	ur, Land Preparati	on, Seed, Plant pro	ptection (Weed, Pest, disease) *		
After	Main crop	Inter crop	Equivalent	Cost of	Net income(Rs/ha)	B.C:	Remark if
Interventions	Yield(q/ha)	Yield(q/ha)	yield(q/ha)	cultivation(Rs/ha)*		Ratio	any
Intercropping							
System(Kharif-Rabi-							
Zaid) -Livestock etc.							
Discussion Irrigation	Fertilizers Labo	ur Land Preparati	on Seed Plant pro) *		
Before	Main crop	Inter crop	Equivalent	Cost of	Net income(Rs/ha)	B.C:	Remark if
Interventions	Yield(a/ha)	Yield(a/ha)	vield(a/ha)	cultivation(Rs/ha)*		Ratio	anv
Mono Cropping	(q ,,)		<u>j 1010 (0</u> , 110)				
System(Kharif-Rabi-							
Zaid) -Livestock etc.							
, , , , , , , , , , , , , , , , , , , ,							

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

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

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

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

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

After	Main crop	Inter crop	Equivalent	Cost of	Net income(Rs/ha)	B.C: Batia	Remark if
Interventions	r leid(q/iia)	r leiu(q/na)	yieiu(q/iia)	cultivation(Ks/na)*		Katio	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 2017-18

OI	FT (Technology Refine	Assessmement)	ent and	FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)					
		1			2				
Numb	per of OFTs	Total	no. of Trials	Ar	ea in ha	Numbe	r of Farmers		
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement		
08	05	32	23	53.01	37.85	200	142		

Training (inc ca	luding spo rried unde	onsored, vocatio er Rainwater Har	onal and of vesting U	ther trainings nit)	Extension Activities					
3						4				
Num	ber of Co	urses	Number	of Participants	ts Number of activities Number of particip			of participants		
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement		
Farmers	70	72	1400	1440	818	941	8242	8652		
Rural youth	17	17	170	170						
E.F.	38	38	760	760						
Sponsored		2		100						
Total	125	129	2330	2470						

	Seed Pro	duction (q)	Planting material (Nos.)			
		5	6			
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers	
200	43.6	-	20000	13000	-	

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
Varietal Evaluation	Paddy	To assess the adoptability of newly released scented rice variety for higher yield	1	5
Varietal Evaluation	Okra	Assessment of HYV of orka	1	3
Total			2	8

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
Total						

Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	No. of trials	No. of farmers	
Farm machinary	Agril. Engineering	To assess the effect of puddling in grain yield of rice	01	05
Reduce time and energy	H.Sc.	To reduce time and energy by the use of revolving stool while milking animal	01	05
Value addition	H.Sc.	Assessment of potato chips making	01	05
Total			03	15

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

I.B. TECHNOLOGY REFINEMENT – N/A

I.C. TECHNOLOGY ASSESSMENT IN DETAIL

Horticulture

I.C.1. Low yield of OKRA due to old variety (Zaid, 2018) Varietal Evaluation

Problem definition: Low yield of okra variety. **Technology Assessed:** Evaluation of newly released okra varieties

An on farm trial under Horticulture discipline entitled *"Evaluation of newly released okra varieties"* has been conducted by introducing new okra variety Arka Anamika in comparision of local variety Parbhani 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- Parbhani)	02	92	-	53600	2.39:1
T ₂ - Arka Anamika	05	112	21.73	70500	2.69:1

Note: Okra variety (Arka Anamika) were superior over the farmer practice (Local variety – Parbhani) and Arka anamika variety adopted by the farmers.



Photographs of Okra OFT

Photographs of Okra OFT



- 1. Sh. Rajeev Kumar, Jamshedpura, Dadri
- 2. Sh. Harish Kumar, Jamshedpura, Dadri
- 3. Sh. Munna Singh, Chhaulas, Dadri



I.C.2. Assessment of potato chips making

Problem definition: Low income due to low price of potato, no value added product and more wastage.

Technology Assessed: Potato chips making by blanching

An On Farm Trial was conducted for value addition by potato chips making by blanching with a view to increase the farmers income as compared the traditional method of selling raw potato on lower prices in local market. The recommended technology of potato chips making proved economic viable and increased farmer's income with 1.5 cost benefit ratio.

Table.

Technology Option	No. of trials	Yield (gm/kg of potato)	Increase in yield (%)	Net Return (Rs./kg)	B:C Ratio
T ₁ - Farmer's practice (Raw potato sold commercially)	05	-	-	-	-
T_2 - Potato chips making by blanching		145	-	14.5	1.5:1

BC Ratio calculated on behalf of

Potato price@ Rs. 11.00/kg, Dry matter prepared as chips = 145 gm. from 1.0 kg potato Other expenditure Salt = Rs. 1.00, Flame = Rs. 2.00, Oil = Rs. 15.00, Total = Rs. 29.00 Sale price of chips as per market = Rs.15.00/50 gm (Rs. 43.5 - 29.00 = Rs.14.5) B:C ratio = 43.5/29.0 = 1.5



OFT Photographs - Potato chips making by blanching

I.C.3. To reduce time and energy by the use of revolving stool while milking animal

Problem definition: Extra fatigue causes poor work efficiency and more physical stress.

Technology Assessed: Milking an animal by sitting over revolving stool.

An On Farm Trial under home science disciple has been conducted to reduce drudgery while mulching of animals by using revolving stool in compared with traditional sitting position while milching. On the basis of recorded data, the technology was found highly acceptable and significantly reduced physical stress, bio-mechanical stress and improved work out put.

Table.

Incidence of Muscular/skeletal problem during milking animals with Existing (squat position)and Improved Technology (Revolving Stool in sitting Position)

1. Physical Stress

Body	Existin (ig Techno sq Total No .	logy (Milkir uat Position) o f Respond	ng of ani) lent = 5)	mal in	Improved Technology (Milking of animal by sitting over Revolving stool) (Total No. of Respondent = 5)				
Parts	Very Severe Pain	Severe Pain	Moderate Pain	Mild Pain	Low Pain / No Pain	Very Severe Pain	Severe Pain	Moderate Pain	Mild Pain	Low Pain / No Pain
Neck Pain	-	-	4	1	-	-	-	1	-	4
Shoulder Pain	-	-	3	2	-	-	-	-	2	3
Back Pain	1	3	1	-	-	-	-	-	4	1
Thigh Pain	2	2	1	-	-	-	-	-	2	3

2. Bio Mechanical

Opinion	Exist	ing	Improved			
	(Total No. of Re	espondent = 5)	(Total No. of Re	(Total No. of Respondent = 5)		
	Yes	No	Yes	No		
Maintain comfortable body Posture	-	5	5	-		
Twisting of trunk easily while doing the activity	1	4	5	-		
Able to synchronize the movement of animal	2	3	4	1		

3. Work output

Opinion	Existin (Total No. of Resp	g ondent = 5)	Improved (Total No. of Respondent = 5		
	Yes	No	Yes	No	
Tool is effective as per time cost	NA	NA	3	2	
Tool is effective in improving the production efficiency	NA	NA	2	3	

4. Tool Factors

Opinion	Existin (Total No. of Resp	g ondent = 5)	Im (Total No. of	proved Respondent = 5)	
	Yes	No	Yes	No	
The milking activity is light					
enough while using the	NA	NA	5	-	
revolving stool					
Height of the stool needs to be	NIA	NA	4	1	
adjusted to the working height	NA	NA	4	I	
Easy to maintain or repair	NA	NA	5	-	
Revolving stool is stable while					
sitting and performing the	NA	NA	4	1	
activity of milking					

5. Field acceptability

Opinion	Existinį (Total No. of Resp	g ondent = 5)	Improved (Total No. of Respondent = 5)			
	Yes	No	Yes	No		
Improved tool is a good replacement to the existing work practice	NA	NA	5	-		



Milking an animal by sitting over revolving stool photogrpahs





I.C.4. To assess the effect of puddling in grain yield of rice (A.E.)

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 comparison 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.

Increase Net No. of Yield **B:**C **Technology** Option in yield Return trials (qt./ha)Ratio (%) (Rs./ha) T_1 - Farmer's practice - transplanting by 27000.00 38.5 1.29:1 contract laborer 05 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

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

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

I.C.5. Evaluation of Basmati Rice varieties (PB)

Problem definition: Low yield of Basmati rice variety.

Technology Assessed: Evaluation of newly released basmati varieties

Newer varieties Pusa Basmati 2511 and Pusa Basmati 1401 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	42.5	-	39000.00	1.41
T ₂ – Pusa Basmati 2511	05	47.4	11.53	44220.00	1.46
T ₃ - Pusa Basmati 1401		44.5	4.70	36100.00	1.38

• Rice variety Pusa Basmati 2511 is superior over the Pusa Basmati 1401 and farmer's practice (Pusa Basmati-1121).

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2016-17 and recommended for large scale adoption in the district

Cron/ Them		Thomatia		Details of nonularization methods	Horizontal spread of technology				
SN	Enterprise		Technology demonstrated	suggested to the Extension system	No. of	No. of	Area		
	Enterprise	Alca		suggested to the Extension system	villages	farmers	in ha		
1	Rice	INM	Use of balance fertilizer (Daincha (GM) +	Demonstration, Training and Gosthi	18	160	48.0		
			* Rest of nitrogen through urea upto 120 kg.						
2	Rice	IPM	Use of Carbofuron @ 25 kg/ha for the	Demonstration, Training and Gosthi	35	175	80.0		
			control of Root Knot Nematode	_					
3	Rice	Varietal	Variety Pusa 1612	Demonstration, Training and Gosthi	30	200	90.0		
		Performance							
4	Wheat	Plant	Sowing of wheat by ferti seed drill	Demonstration, Training and Gosthi	32	350	200.0		
		population			1.6	10	21.0		
5	Bottlegourd	Varietal	Variety – Pusa Naveen	Demonstration, Training and Gosthi	16	40	21.0		
	G 119	performance			0.6	10	0.0		
6	Cauliflower	Browning	Use of boron	Demonstration, Training and Gosthi	06	18	8.0		
7	Onion	Varietal	Use of improved variety	Demonstration, Training and Gosthi	04	12	8.0		
		Performance							
8	Okra	Varietal	Use of improved YVMV resistant	Demonstration, Training and Gosthi	18	100	40.0		
		Performance	variety- Pusa A4						
9	Seasonal	House hold	Kharif –cucumber, pumpkin, bitterguard,	Demonstration, Training and Gosthi	22	68	6.0		
	vegetables	food security	spongguard, bottleguard						
			Rabi – Spinach, Fenogreek, radish, carrat,						
			tomato, brinjal, coriander, cabbage						
			Zaid - cucumber, pumpkin, bitterguard,						
			spongguard, bottleguard						
10	Wheat	Farm	Seeds sowing by Ferti Seed Drill	Demonstration, Training and Gosthi	14	70	18.0		
		machinery							
11	Paddy	Farm	Popularization and importance of laser	Demonstration, Training and Gosthi	22	82	22.0		
		machinery	leveler						

b. Details of FLDs implemented during 2017-18

S	Crop	Thematic area	Technology Demonstrated	Season and	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in
N	1			year	Proposed	Actual	SC/ST	Others	Total	achievement
1	Green gram	ICM	Package of agronomy practices for max. production	Zaid 2017	10.0	10.0	-	25	25	-
2	Black gram	ICM	Package of agronomy practices for max. production	Kharif 2017	10.0	10.0	-	25	25	-
3	Rice	INM	Balanced fertilizer(Daincha (GM) + *:60:60:25) * Rest of nitrogen through urea upto 120 kg.	Kharif 2017	2.0	2.0	-	05	05	-
4	Rice (PB)	Varietal Evaluation	Variety Pusa Basmati 1612	Kharif 2017	4.0	4.0	-	10	10	-
5	Wheat (PB)	Varietal Evaluation	Variety WH-1105	Rabi 2017-18	4.0	4.0	-	10	10	-
6	Cauliflower	Varietal Performance	Pusa Meghna	Kharif, 2017	2.0	2.0	-	05	05	
7	Bottlegourd	Varietal Performance	Pusa Naveen	Zaid, 2018	1.0	1.0	-	05	05	
8	A.H. (Buffalo)	Disease mgt.	Use of masti out plus kit	Rabi 2017-18	15	15	-	15	15	-
9	AH (Buffalo)	To enhance milk production & normal fertility	Use of mineral mixture @ 50 gm/day/animal + deworming 2-3 times in a year	Rabi 2017-18	10	10	-	10	10	-
10	Laser leveling (AE)	RCT	Land leveling through laser leveler	Kharif 2017	2.0	2.0	-	5	5	-
11	Ferti seed drill (AE)	Sowing methods	Sowing through ferti seed drill	Rabi 2017-18	4.0	4.0	-	10	10	-

	(H.Sc.) Nutritional Kitchen Garden House hold food security		Z 2							
12		House hold food	Growing seasonal vegetables fruits	Kharif 2017	0.05 0.05	0.05	5 -	5	5	
		security	in the kitchen garden (100m ²)	Rabi 2017-18		0.05				-
			Zaid 2018							
13	(HSc.) Mixed Pickle	Value addition	Pickle making	Zaid 2018	-	-	-	15	15	-

Details of farming situation

SN	Сгор	Season	Farming situation F/Irrigated)	Soil type		Status of soil		revious crop	Sowing pplication date	arvest date	Seasonal nfall (mm)	o. of rainy davs
			(R)		Ν	Р	К	Pre	/a	Н	1.12	Ž
1	Green gram	Zaid 2017	Irrigated	Clay loam to loam	Low	Medium	Medium	Mustard & lentils	08.04.17 to 15.04.17	08.06.17 to 13.06.17	-	-
2	Black gram	Kharif 2017	Irrigated	Loam and sandy loam	Medium	Medium	Medium	Wheat	23.08.17 to 29.08.17	09.11.17 to 14.11.17	-	-
3	Rice (CP)	Kharif 2017	Irrigated	Loam and sandy loam	Low	Medium	Medium	Wheat	08.07.17 to 13.07.17	11.10.17 to 21.10.17	-	-
4	Rice (PB)	Kharif 2017	Irrigated	Clay Loam	Low	Medium	Medium	Wheat	27-30.05.17	03-10.11.17	-	-
5	Wheat (PB)	Rabi 2017-18	Irrigated	Clay Loam	Low	Medium	Medium	Wheat	24-26.11.17	12-15.04.18	-	-
6	Cauliflower (Hort)	Kharif 2017	Irrigated	Loam and sandy loam	Low	Medium	Medium	Wheat	20.06.17	20-25.09.17	-	-
7	Bottle gourd (Hort)	Zaid 2018	Irrigated	Loam and sandy loam	Low	Medium	Medium	Potato	20.02.18		-	-
8	Buffalo (AH)	Rabi 2017-18	-	-	-	-	-	-	-	-	-	-
9	Buffalo (AH)	Rabi 2017-18	-	-	-	-	-	-	-	-	-	-
10	Laser leveling(AE)	Kharif 2017	Irrigated	-do-	Low	Medium	Medium	Wheat	28-29.06.17	10-12.11.17	-	-
11	Ferti seed drill (AE)	Rabi 2017-18	Irrigated	Loam and sandy loam	Low	Medium	Medium	Rice	27-28.11.17	12-15.04.18	-	-
12	Mixed Pickle (HSc.)	Zaid 18	-	-	-	-	-	-	-	-	-	-
13	Nutritional Kitchen Garden (H.Sc.)	Zaid 2017 Kharif 2017 Rabi 2017-18 Zaid 2018	-	-	-	-	-	-	-	-	-	-

Technical Feedback on the demonstrated technologies

SN	Сгор	Feed Back
1	Rice	Use of balanced fertilizer (K and Zn) showed higher yield and better quality of the produce. It also showed resistance against blast over check.
2	Bottle gourd	Variety Pusa Naveen proved better than the local ones.
3	Cauliflower	2 spray of mono borate controlled the browning of curd.
4	Seasonal vegetables	In no cash input except seed the vegetables were available throughout the season for the farmers' family and the neighbors as well.

Farmers' reactions on specific technologies

SN	Сгор	Feed Back
1	Rice	Use of K produced yellow bright grain which fetched more price.
2	Seasonal vegetables	Farmers reported that we got vegetables throughout the season and the family members remained healthy during the season.
3	Bottle gourd	Farmers liked very much the early fruiting and uniform size of the fruit.
4	Cauliflower	Farmers appreciated the color came out after the treatment.

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: Not Applicable

Сгор	Thematic	technology demonstrated		No. of	Area (ha)	Yield (q/ha)				% Increase	Econ	omics of c (Rs./	demonstrat 'ha)	tion	E	Economics of check (Rs./ha)		
	Area		Variety	Farmers		High	Dem Low	no Average	Check	in yield	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)

Frontline demonstration on pulse crops (Cluster demonstration)

							Yie	eld (q/ha)		0/_	Econo	mics of de	emonstrat	ion	Economics of check				
Cron	Thematic	technology	Varioty	No. of	Area					/0 Incroaso		(Rs./h	a)			(Rs./h	a)		
Crop	Area	demonstrated	Variety	Farmers	(ha)		Demo		Chock	in viold	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR	
						High	Low	Average	CHECK	in yielu	Cost	Return	Return	(R/C)	Cost	Return	Return	(R/C)	
Greengram	(Moong)												•						
Zaid 2017	ICM	Package of agronomy practices for max. production	IPM - 2-3	25	10.0	8.24	6.41	7.42	5.13	41	41387.00	41552.00	165.00	1.00	38887.00	28560.00	-10327	0.734	
Blackgram	(Urd)																		
Kharif 2017	ICM	Package of agronomy practices for max. production	PU-31	25	10.0	9.38	7.25	8.44	6.34	33.1	40428.00	51484.00	11050.0	1.27	37200.00	38674.00	1474.00	1.03	



Field Day on CFLD Greengram

Photographs of CFLD Blackgram field

FLD on Other crops

Cotogory 8	Thomatic	Name of the	No. of	f Area		Yield	(q/ha)		% Other Parameters Change			Econ	omics of o (Rs./	lemonstra 'ha)	ition	Economics of check (Rs./ha)				
Calegory & Crop	Area	technology	Farmers	(ha)		Demo		Check	in Yield	_	<u>_</u>	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR	
•				, í	High	Low	Avg.			Demo	Check	Cost	Return	Return	(R/C)	Cost	Return	Return	(R/C)	
Scented Rice																				
Basmati	INM	Dhaincha –	5	2.0	50.0	45.63	47.34	40.63	16.6	No. of	No. of	96200	148270	52070	1.54	86200	126890	40690	1.47	
(Crop Prod.)		GM +								effective	effective									
		NPK+Zn								tillers –	tillers –									
		120-								151.4/m ²	119.7/m ²									
		GM:60:60:25																		
Plant	Varietal	Variety –	10	4.0	56.0	50.0	53.5	46.0	16.3	No. of	No. of	94500	154800	60300	1.63	93500	144000	50500	1.54	
breeding	Evaluation	Pusa 1612								effective	effective									
										tillers –	tillers –									
										146/m ²	108/m ²									
Wheat timely																				
sown																				
Plant	Varietal	Variety WH-	10	4.0	54.00	46.00	49.85	44.60	11.7	No. of	No. of	67000	109266	42226	1.63	66000	98120	32120	1.48	
breeding	evaluation	1105								effective	effective									
										tillers –	tillers –									
										143./m ²	115./m²									
Vegetables																				
Cauliflower																				
	Varietal		•			•						1								
Kharif 2017	perfor-	Pusa early	05	1.0	122	110	115	97	15.6	-	-	52500	115000	62500	2.19	49700	97000	47300	1.95	
	mance																	-		
Bottlegourd	Lauki																			
	Varietal		•		1	İ														
Zaid 2018	perfor-	Pusa Naveen	05	1.0	287	240	263	206	27.7	-	-	43500	131500	88000	3.02	40200	103000	62800	2.56	
	mance																			

Photographs of FLD



FLD paddy seed distribution







FLD on Bottlegourd



FLD on Livestock

1. Control of Mastitis disease in milch animal (Rabi 2017-18)

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







Mastitis disease

Enterprise	Type of animal	Name of the technology	No. of animals	No. of demonstration	Fertility pa conception afte (60 da	arameter er parturition ays)	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		

2. Feeding of mineral mixture and deworming to enhance milk production and regulate normal fertility (Rabi 2017-18)



Use of mineral mixture

FLD on Other enterprises

Category	Name of the technology	No. of Farmer	No. of units	Major parameters		% change in major	Other parameter		Econo	omics of (Rs.) or	demonstr Rs./unit	ation	Economics of check (Rs.) or Rs./unit				
	demonstrated			Demo	Check	parameter	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)	
Value Addition																	
	Preparation of mixed pickle	15	15	Product : 1.38 kg	Product : 1.15 kg	20.0	-	-	70.27	151.80	74.53	1.96:1	69.00	115.00	46.00	1.66:1	













FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of	Area	Major	Fil obser (outpu ho	led vation ut/man our)	% change in major	Labor re	eduction	(man days)	(Rs./I	Cost red na or Rs	uction ./Unit etc.)	
implement	-	demonstrated	Farmer	(na)	parameters	Demo	Check	parameter	Land preparation	Sowing	Weeding	Total	Land preparation	Labor	Irrigation	Total
Land leveler	Paddy	Popularization and importance of laser leveler	5	2.0	Tillers/m ² Yield (q/h)	123 43.5	104 39.0	11.5	5	-	-	5	20000	1750	2200	23950
Ferti Seed Drill	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



Wheat sowing through ferti seed drill photograph

FLD on Other Enterprise: Kitchen Gardening

Category and Crop	Thematic area	Thematic areaName of the technology		No. of Units	Yield	(Kg)	% change	Ot paran	her neters	Econ	omics of (Rs.	demonstr /ha)	ation	E	conomics (Rs.	s of chec /ha)	k
		demonstrated			Demons tration	Check	in yield	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Seasonal vegetables for Zaid, 2017 –Brinjal, Raddish, Bottle gourd, Bitter gourd, Torai, Bhindi, Cucumber, Chakai, Tinda	House hold food security	Kitchen Gardening	05	05	162.8	109.6	48.54	-	-	444.00	3498.00	3054.00	7.87:1	388.00	2165.00	1777.00	5.57:1
Seasonal vegetables for Kharif, 2017 – Bitter gourd, Torai, Bhindi, Radish, Brinjal, Bottle gourd Cucumber, Cauliflower, Chakai, Tinda	House hold food security	Kitchen Gardening	05	05	215.8	164.7	31.02	-	-	657.00	5196.00	4539.00	7.90:1	560.00	3107.00	2547.00	5.54:1
Seasonal vegetables for Rabi, 2017-18 – Tomato, brinjal, chilli, spinach, peas, cauliflower, turnip, raddish, mustard, Bakla, Methi, coriander.	House hold food security	Kitchen Gardening	05	05	176.2	113.7	54.96	-	-	476.00	3759.00	3283.00	7.89:1	409.00	2310.00	1901.00	5.64:1
Seasonal vegetables for Zaid, 2018 –Brinjal, Raddish, Bottle gourd, Bitter gourd, Torai, Bhindi, Cucumber, Tinda, Tomato, Chilli, Lobia	House hold food security	Kitchen Gardening	05	05	172.6	108.4	60.05	-	-	372.6	3307.00	2934.00	8.87:1	403.00	2264.00	1861.00	5.60:1







Seed distribution photographs at Rabi, Kharif and Zaid season











Kitchen Garden photographs




III. Training Programme

Thematic area	No. of	No. of Participants								
	courses		Others			SC/ST		(Frand Tota	al
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	2	36	-	36	4	-	4	40	-	40
Resource Conservation										
Technologies	4	40		40	0		0	20		00
Cropping Systems	1	18	-	18	2	-	2	20	-	20
Crop Diversification		18	-	18	2	-	2	20	-	20
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	1	18	-	18	2	-	2	20	_	20
Soil & water conservation					_		_	20		20
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)										
Total	5	90	-	90	10	-	10	100	-	100
II Horticulture										
a) Vagatable Crons										
Production of low value and high										
volume crops	2	36		36	4		4	40	_	40
Off-season vegetables	2	50	_	50		_		+0	-	40
Nursery raising	1	18	-	18	2	-	2	20	-	20
Exotic vegetables	-	10		10	_					20
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	3	54	-	54	6	-	6	60	-	60
b) Fruits										
Training and Pruning										
I avout and Management of										
Orchards										
Cultivation of Fruit	1	18	-	18	2	-	2	20	-	20
Management of young	_									
plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of										
orchards										
Plant propagation techniques										
Others (pl specify)		10		10	-			• •		
Total (b)	1	18	-	18	2	-	2	20	-	20
c) Ornamental Plants				1.0						
Nursery Management	1	18	-	18	2	-	2	20	-	20
Management of potted plants										
Export potential of ornamental										
plants Drang gation to shui sugg of										
Ornomental Plants										
Others (pl specify)										
Total (c)	1	18		18	2		2	20		20
d) Plantation crons	1	10		10		-		20		20
Production and Management										
technology										
Processing and value addition										
Others (pl specify)										
Total (d)	1									
e) Tuber crops	1									

Farmers' Training including sponsored training programmes (On campus)

										38
Production and Management										
technology										
Processing and value addition										
Total (a)										
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										
Tetal (g)										
$GT (a-\sigma)$	5	90	-	90	10	-	10	100	-	100
III Soil Health and Fertility		20			10			100		100
Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management	3	54	-	54	6	-	6	60	-	60
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	3	54	-	54	6	-	6	60	-	60
Total IV Livestock Production & mgt.	3	54	-	54	6	-	6	60	-	60
Total IV Livestock Production & mgt. Dairy Management Poultry Management	3	54 19	-	54 19	6	-	6	60 20	-	60 20
Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management	3	54 19	-	54 19	6	-	6	60 20	-	60 20
Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management	3	54 19	-	54 19	6	-	6	60 20	-	60 20
TotalIV Livestock Production & mgt.Dairy ManagementPoultry ManagementPiggery ManagementRabbit ManagementAnimal Nutrition Management	3	54 19	-	54 19	6	-	6	60 20	-	60 20
TotalIV Livestock Production & mgt.Dairy ManagementPoultry ManagementPiggery ManagementRabbit ManagementAnimal Nutrition ManagementDisease Management	3	54 19 	-	54 19 19	6 1 1 1 1	-	6 1 1	60 20 20	-	60 20 20
Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management Animal Nutrition Management Disease Management Feed & fodder technology Particular for the line	3 1 1 1 1	54 19 	-	54 19 19 19 19	6 1 1 1	-	6 1 1 1 1	60 20 20 20 20	-	60 20 20 20 20
Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management Animal Nutrition Management Disease Management Feed & fodder technology Production of quality animal products	3 1 1 1 1	54 19 19 19 19 19	-	54 19 19 19 19	6 1 1 1 1	-	6 1 1 1 1	60 20 20 20 20 20	-	60 20 20 20 20 20
Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management Animal Nutrition Management Disease Management Feed & fodder technology Production of quality animal products Others (pl specify)	3 1 1 1 1 1	54 19 19 19 19 19 19	-	54 19 19 19 19 19 19	6 1 1 1 1	-	6 1 1 1 1	60 20 20 20 20	- -	60 20 20 20 20 20
TotalIV Livestock Production & mgt.Dairy ManagementPoultry ManagementPiggery ManagementRabbit ManagementAnimal Nutrition ManagementDisease ManagementFeed & fodder technologyProduction of quality animalproductsOthers (pl specify)Total	3 1 1 1 1 1 4	54 19 19 19 19 19 19 19 19 19 76	-	54 19 19 19 19 19 19 76	6 1 1 1 1 1 1 4	-	6 1 1 1 1 1 1 4	60 20 20 20 20 20 80	- - - - -	60 20 20 20 20 20 80
Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management Animal Nutrition Management Disease Management Feed & fodder technology Production of quality animal products Others (pl specify) Total V Home Science/Women	3 1 1 1 1 1 4	54 19 19 19 19 19 19 19 76	-	54 19 19 19 19 19 19 19 76	6 1 1 1 1 1 4	- - - - -	6 1 1 1 1 1 4	60 20 20 20 20 80	- - - - - - - -	60 20 20 20 20 20 80
TotalIV Livestock Production & mgt.Dairy ManagementPoultry ManagementPiggery ManagementRabbit ManagementAnimal Nutrition ManagementDisease ManagementFeed & fodder technologyProduction of quality animalproductsOthers (pl specify)TotalV Home Science/Womenempowerment	3 1 1 1 1 1 4	54 19 19 19 19 19 19 19 76	- - - -	54 19 19 19 19 19 19 19 76	6 1 1 1 1 1 4	- - - -	6 1 1 1 1 1 4	60 20 20 20 20 80	- - - - - -	60 20 20 20 20 20 80
TotalIV Livestock Production & mgt.Dairy ManagementPoultry ManagementPiggery ManagementRabbit ManagementAnimal Nutrition ManagementDisease ManagementFeed & fodder technologyProduction of quality animalproductsOthers (pl specify)TotalV Home Science/WomenempowermentHousehold food security by	3 1 1 1 1 1 4	54 19 19 19 19 19 19 19 76	-	54 19 19 19 19 19 19 76	6 1 1 1 1 1 4	-	6 1 1 1 1 1 4	60 20 20 20 20 80	- - - -	60 20 20 20 20 20 80
Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management Animal Nutrition Management Disease Management Feed & fodder technology Production of quality animal products Others (pl specify) Total V Home Science/Women empowerment Household food security by kitchen gardening and nutrition	3 1 1 1 1 1 4	54 19 19 19 19 19 19 19 76	-	54 19 19 19 19 19 76	6 1 1 1 1 1 4	-	6 1 1 1 1 1 4	60 20 20 20 20 80	-	60 20 20 20 20 20 80
Total Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management Animal Nutrition Management Disease Management Feed & fodder technology 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	3 1 1 1 1 1 4	54 19 19 19 19 19 19 19 76 -	- - - - -	54 19 19 19 19 19 19 19 14	6 1 1 1 1 1 4	- - - - -	6 1 1 1 1 1 4 6	60 20 20 20 20 20 80	- - - - - 20	60 20 20 20 20 20 80 20
Total Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management Animal Nutrition Management Disease Management Feed & fodder technology Production of quality animal products Others (pl specify) Total V Home Science/Women empowerment Household food security by kitchen gardening and nutrition Design and development of low/minimum cost diet	3 1 1 1 1 1 4 1	54 19 19 19 19 19 19 19 76 -	- - - - - - 14 2	54 19 19 19 19 19 19 19 14 2	6 1 1 1 1 1 4 -	- - - - - - 6	6 1 1 1 1 1 1 4 6 6	60 20 20 20 20 20 80	- - - - 20 20	60 20 20 20 20 20 80 20 20 20 20 20 20 20 20 20 2
Total Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management Animal Nutrition Management Disease Management Feed & fodder technology 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	3 1 1 1 1 4 1 1	54 19 19 19 19 19 19 76 - -	- - - - - - 14 2	54 19 19 19 19 19 19 19 14 2	6 1 1 1 1 1 4 -	- - - - - - 6 18	6 1 1 1 1 1 4 6 18	60 20 20 20 20 80 -	- - - - - 20 20	60 20 20 20 20 20 80 20 20 20 20 20
Total Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management Animal Nutrition Management Disease Management Feed & fodder technology 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	3 1 1 1 1 1 4 1 1 1 1	54 19 19 19 19 19 19 19 76 - - -	- - - - - - - 14 2 2	54 19 19 19 19 19 19 19 14 2 2	6 1 1 1 1 1 - - -	- - - - - - - 6 18 18	6 1 1 1 1 1 4 6 6 18 18	60 20 20 20 20 80 - -	- - - - - 20 20 20 20	60 20 20 20 20 20 80 20 20 20 20 20 20 20 20 20 2
Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management Animal Nutrition Management Disease Management Feed & fodder technology 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	3 1 1 1 1 4 1 1 1 1 1 1	54 19 19 19 19 19 19 19 76 - - -	- - - - - - 14 2	54 19 19 19 19 19 19 19 14 2 2	6 1 1 1 1 1 - - -	- - - - - - 6 18 18	6 1 1 1 1 1 4 6 18 18	60 20 20 20 20 80 - -	- - - - - 20 20 20	60 20 20 20 20 20 80 20 20 20 20 20 20 20 20 20 2
Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management Animal Nutrition Management Disease Management Feed & fodder technology 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	3 1 1 1 1 1 4 1 1 1 1	54 19 19 19 19 19 19 19 76 76 - -	- - - - - - 14 2 2	54 19 19 19 19 19 19 19 19 19 14 2 2	6 1 1 1 1 1 4 - -	- - - - - - 6 18 18	6 1 1 1 1 1 4 6 18 18	60 20 20 20 20 20 80 - -	- - - - - 20 20 20	60 20 20 20 20 20 80 20 20 20 20 20 20 20 20 20 2
Total Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management Animal Nutrition Management Disease Management Feed & fodder technology 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 Gondar mainstreaming thereach	3 1 1 1 1 1 4 1 1 1	54 19 19 19 19 19 19 19 76 76 - -	- - - - - - - - - - - - - - - - - - -	54 19 19 19 19 19 76 14 2 2	6 1 1 1 1 1 4 - -	- - - - - - - 6 18 18	6 1 1 1 1 1 1 4 6 6 18 18	60 20 20 20 20 20 80 -	- - - - - 20 20 20	60 20 20 20 20 20 20 20 20 20 2
Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management Animal Nutrition Management Disease Management Feed & fodder technology 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	3 1 1 1 1 4 1 1 1 1	54 19 19 19 19 19 19 76 - - -	- - - - - - - - - - - - - - - - - - -	54 19 19 19 19 19 19 19 19 14 2 2 2	6 1 1 1 1 1 1 - - -	- - - - - - - 6 18 18	6 1 1 1 1 1 1 4 6 18 18	60 20 20 20 20 20 80 -	- - - - - 20 20 20	60 20 20 20 20 20 20 20 20 20 2
Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management Animal Nutrition Management Disease Management Feed & fodder technology 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 and cooking Gender mainstreaming through SHGs	3 1 1 1 1 4 1 1 1 1 1 1	54 19 19 19 19 19 19 76 76 - -	- - - - - - - - - - - - - - - - - - -	54 19 19 19 19 19 19 19 19 12 2 2	6 1 1 1 1 1 - - -	- - - - - - - 6 18 18	6 1 1 1 1 1 4 6 18 18	60 20 20 20 20 80 - -	- - - - - - 20 20 20 20	60 20 20 20 20 20 20 20 20 20 2
TotalTotalIV Livestock Production & mgt.Dairy ManagementPoultry ManagementPiggery ManagementRabbit ManagementAnimal Nutrition ManagementDisease ManagementFeed & fodder technologyProduction of quality animalproductsOthers (pl specify)TotalV Home Science/WomenempowermentHousehold food security bykitchen gardening and nutritiongardeningDesign and development oflow/minimum cost dietDesigning and development forhigh nutrient efficiency dietMinimization of nutrient loss inprocessingProcessing and cookingGender mainstreaming throughSHGsStorage loss minimizationtechniques	3 1 1 1 1 4 1 1 1 1 1 1	54 19 19 19 19 19 19 19 76 - - -	- - - - - - - - - - - - - - - - - - -	54 19 19 19 19 19 19 19 12 2 2	6 1 1 1 1 1 - - - -	- - - - - - 6 18 18	6 1 1 1 1 1 4 6 18 18 18	60 20 20 20 20 80 - -	- - - - - 20 20 20	60 20 20 20 20 20 20 20 20 20 2
TotalTotalIV Livestock Production & mgt.Dairy ManagementPoultry ManagementPiggery ManagementRabbit ManagementAnimal Nutrition ManagementDisease ManagementFeed & fodder technologyProduction of quality animalproductsOthers (pl specify)TotalV Home Science/WomenempowermentHousehold food security bykitchen gardening and nutritiongardeningDesign and development oflow/minimum cost dietDesigning and development forhigh nutrient efficiency dietMinimization of nutrient loss inprocessingProcessing and cookingGender mainstreaming throughSHGsStorage loss minimizationtechniquesValue addition	3 1 1 1 1 1 4 1 1 1 1 2	54 19 19 19 19 19 19 19 76 76 - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	54 19 19 19 19 19 19 19 19 25	6 1 1 1 1 1 1 - - - - - - - -	- - - - - - - 6 18 18 18 18	6 1 1 1 1 1 4 6 18 18 18 15	60 20 20 20 20 80 - - - - -	- - - - - - 20 20 20 20 20	60 20 20 20 20 20 20 20 20 20 2
Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management Animal Nutrition Management Disease Management Feed & fodder technology 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	3 1 1 1 1 1 1 1 1 1 2	54 19 19 19 19 19 19 19 76 76 - -	- - - - - - - - 2 2 25	54 19 19 19 19 19 19 19 26 25	6 1 1 1 1 1 1 1 - - - -	- - - - - - - - - - - - - - - - - - -	6 1 1 1 1 1 1 1 4 6 18 18 18 15	60 20 20 20 20 20 20 - - - - -	- - - - - - 20 20 20 20 20	60 20 20 20 20 20 20 20 20 20 2
Total Total IV Livestock Production & mgt. Dairy Management Poultry Management Piggery Management Rabbit Management Rabbit Management Disease Management Feed & fodder technology 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	3 1 1 1 1 4 1 1 1 2	54 19 19 19 19 19 19 76 76 - -	- - - - - - - - - - - - - - - - - - -	54 19 19 19 19 19 19 19 26 25	6 1 1 1 1 1 1 - - -	- - - - - - - - - - - - - - - - - - -	6 1 1 1 1 1 1 4 6 18 18 18 15	60 20 20 20 20 20 - - - -	- - - - - - 20 20 20 20 20	60 20 20 20 20 20 20 20 20 20 2
TotalTotalIV Livestock Production & mgt.Dairy ManagementPoultry ManagementPiggery ManagementRabbit ManagementAnimal Nutrition ManagementDisease ManagementFeed & fodder technologyProduction of quality animal productsOthers (pl specify)TotalV Home Science/Women empowermentHousehold food security by kitchen gardening and nutrition gardeningDesign and development of low/minimum cost dietDesigning and development for high nutrient efficiency dietMinimization of nutrient loss in processingProcessing and cookingGender mainstreaming through SHGsStorage loss minimization techniquesValue additionWomen empowerment Location specific drudgery reduction technologiesRural Crafts	3 1 1 1 1 1 1 1 1 2	54 19 19 19 19 19 19 76 76 - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	54 19 19 19 19 19 19 19 76 22 2	6 1 1 1 1 1 1 - - - -	- - - - - - - - - - - - - - - - - - -	6 1 1 1 1 1 1 4 6 18 18 18 15	60 20 20 20 20 20 - - -	- - - - - - 20 20 20 20 20	60 20 20 20 20 20 20 20 20 20 2

										39
Women and child care	1	-	15	15	-	5	5	-	20	20
Others (pl specify)	4		59	59		()	62		120	120
VI Agril, Engineering	0	-	50	50	-	02	02	-	120	120
Farm Machinery and its										
maintenance										
Installation and maintenance of										
Lise of Plastics in farming										
practices	1	18	-	18	2	-	2	20	-	20
Production of small tools and										
implements										
Repair and maintenance of farm	3	54		54	6		6	60		60
Small scale processing and value	5	54	-	54	0	-	0	00	-	00
addition										
Post Harvest Technology										
Others (Use of advanced										
agricultural implements)	4	70		70	0		0	90		80
VII Plant Protection	4	12	-	12	8	-	0	80	-	<u>ð</u> U
Integrated Pest Management	3	48	4	52	5	3	8	53	7	60
Integrated Disease Management	1	17	1	18	2	-	2	19	1	20
Bio-control of pests and diseases										
Production of bio control agents										
and bio pesticides										
Total	4	65	5	70	7	3	10	72	8	80
VIII Fisheries		0.0	5	70	7	5	10	12	0	00
Integrated fish farming										
Carp breeding and hatchery										
management										
Corposite fish culture										
Hatchery management and culture										
of freshwater prawn										
Breeding and culture of										
ornamental fishes										
Portable plastic carp natchery										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
I Utal IX Production of Inputs at site										
Seed Production (Pl. Breeding)	4	67	-	67	13	-	13	80	-	80
Planting material production										
Bio-agents production										
Bio-pesticides 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		ļ								
Others (pl specify)	4	67		47	12		12	ØA		00
X Capacity Building and Group	4	0/	-	0/	15	-	15	90	-	00
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	35	514	63	577	58	65	123	572	128	700

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of Participants courses Others SC/ST Grand Total									
	courses		Others			SC/ST		(Frand Tot	al
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	3	54	-	54	6	-	6	60	-	60
Resource Conservation										
Technologies										
Cropping Systems	2	36	-	36	4	-	4	40	-	40
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management	1	18	-	18	2	-	2	20	-	20
Integrated Crop Management	1	18	-	18	2	-	2	20	-	20
Soil & water conservatioin										
Integrated nutrient management										
Production of organic inputs										
Soil sampling										
Total	7	126	-	126	14	-	14	140	-	140
II Horticulture										
a) Vegetable Crops										
Production of low value and high										
volume crops	1	17	-	17	3	-	3	20	-	20
Off-season vegetables	1	18	-	18	2	-	2	20	-	20
Nursery raising	1	18	-	18	2	-	2	20	-	20
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	3	53	-	53	7	-	7	60	-	60
b) Fruits	-									
Training and Pruning										
Layout and Management of										
Orchards	1	17	-	17	3	_	3	20	-	20
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)	1	17	-	17	3	-	3	20	-	20
c) Ornamental Plants							-	-		-
Nursery Management										
Management of potted plants										
Export potential of ornamental										

plans Image: second control plans Image: second contro											41
Propagation achiniques of Orhannenial Plants Image of the second se	plants										
Ormanetal Plants	Propagation techniques of										
Others (ry council on of low value and high value crosp) Image and high value crosp) Image and high value crosp) Image and high value crosp) Others (a) Plantation crops Image and high value crosp) Image and high value crosp) Image and high value crosp) Processing and value addition Image and high value crosp) Image and high value crosp) Image and high value crosp) Others (a) Specify Image and high value crosp) Image and high value crosp) Image and high value crosp) Processing and value addition Image and high value crosp) Image and high value crosp) Image and high value crosp) Processing and value addition Image and high value crosp) Image and high value crosp cro	Ornamental Plants										
	Others (Production of low value										
a) Paraticin crops Image near the second secon	Total (c)										
Production and Management technology Processing and value addition in the set of the set	d) Plantation crops										
technology Image: second	Production and Management										
Processing and value addition of the solution	technology										
Others (c) specify	Processing and value addition										
Total (d) Image: constraint of the second	Others (pl specify)										
Of Junk Gops Image of the second	Total (d)										
Technology Image network Image netwo	Production and Management										
Processing and value addition Image of the second sec	technology										
Others (pl specify) Image of the second	Processing and value addition										
Total (c) Despices	Others (pl specify)										
D Spices Image: Constraint of the second secon	Total (e)										
Production and Namagement Imagement	f) Spices										
International processing and value addition Image of the second sec	technology										
Others (a) specify) Image: Contrast (b) of the contrast (b) of the contrast (b) of the contrast (c)	Processing and value addition										
Total (f) Image: Constraint of the second seco	Others (pl specify)										
g) Medicinal and Aromatic PlantsImage and the second seco	Total (f)										
Plants Image management Image management <thimage management<="" th=""></thimage>	g) Medicinal and Aromatic										
Nursery management technology 1 17 - 17 3 - 3 20 - 20 Post harvest technology and value addition 1 17 - 17 3 - 3 20 - 20 Post harvest technology and value addition 1 17 - 17 3 - 3 20 - 20 Others (pl specify) - 17 3 - 3 20 - 20 GT (a-g) 5 87 - 87 13 - 13 100 - 100 Management -	Plants										
1 1 1 1 1 3 - 3 20 - 20 Post harvest technology and value addition 1 17 - 17 3 - 3 20 - 20 Post harvest technology and value addition 1 17 - 17 3 - 3 20 - 20 Others (pl specify) 1 17 - 17 3 - 3 20 - 20 GT (a-g) 5 87 - 87 13 - 13 100 - 100 Management - <	Production and management										
Post harvest technology and value addition Production Product	technology	1	17	-	17	3	-	3	20	-	20
addition C C C C </td <td>Post harvest technology and value</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>20</td>	Post harvest technology and value										20
Others (pl specify) I I7 I7 3 - 3 20 - 20 Total (g) 5 87 - 87 13 - 13 100 - 100 III Soil Health and Fertility Management 87 - 87 13 - 13 100 - 100 III Soil Health and Fertility Management 87 - 87 13 - 13 100 - 100 Integrated water management - - - - - - - - - - - - 100	addition										
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Others (pl specify)										
GT (a.g.) 5 87 - 87 13 - 13 100 - 100 III Soil Health and Fertility Management - - 13 - 13 100 - 100 Soil fertility management - <td>Total (g)</td> <td>1</td> <td>17</td> <td>-</td> <td>17</td> <td>3</td> <td>-</td> <td>3</td> <td>20</td> <td>-</td> <td>20</td>	Total (g)	1	17	-	17	3	-	3	20	-	20
In some relation and Perfuting ManagementImage of the second se	GT (a-g)	5	87	-	87	13	-	13	100	-	100
Integrated Image of the second s	Management										
Integrated water management Imagement 3 54 - 54 6 - 6 60 - 60 Production and use of organic inputs Imagement 3 54 - 54 6 - 6 60 - 60 Production and use of organic inputs Imagement Froblematic soils Imagement Image	Soil fertility management										
Integrated Nutrient Management 3 54 - 54 6 - 6 60 - 60 Production and use of organic inputs Management of Problematic soils -	Integrated water management										
Production and use of organic inputsImagement of Problematic soilsImagement of Problematic soils<	Integrated Nutrient Management	3	54	-	54	6	-	6	60	-	60
inputsImputsImputsImputsImputsImputsImputsImputsManagement of Problematic soilsImputs	Production and use of organic										
Management of Problematic soilsImagement of Problematic soilsImagement of Problematic soilsImagement of Soils <td>inputs</td> <td></td>	inputs										
Mutrient Use EfficiencyImage: Constraint of the set	Mianagement of Problematic soils										
Andread of fertilizersImage of fertilizers <t< td=""><td>Nutrient Use Efficiency</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Nutrient Use Efficiency										
Soil and Water TestingImage: solution of the solution	Balance use of fertilizers										
Others (pl specify)Image: specify of the specific of the spe	Soil and Water Testing										
Total354-546-660-60IV Livestock Production and ManagementII<	Others (pl specify)										
IV Livestock Production and ManagementImage of the second	Total	3	54	-	54	6	-	6	60	-	60
ManagementImagement <td>IV Livestock Production and</td> <td></td>	IV Livestock Production and										
Darry Management119-191-120-20Poultry Management </td <td>Management</td> <td>1</td> <td>10</td> <td></td> <td>10</td> <td>1</td> <td></td> <td>1</td> <td>20</td> <td></td> <td>20</td>	Management	1	10		10	1		1	20		20
Piggry ManagementImage of the second sec	Dairy Management	1	19	-	19	1	-	1	20	-	20
Rabbit ManagementImage: Constraint of the second security by kitchen gardeningImage: Constraint of the second security by kitchen gardeningImage: Constraint of the second security of the second security by kitchen gardeningImage: Constraint of the second security by kitchen gardening and nutritionImage: Constraint of the second security by kitchen gardeningImage: Constraint of the second security by kitchen gardeningImage: Constraint of the second security by kitchen gardening and nutritionImage: Constraint of the second security by kitchen gardeningImage: Constraint of the second security by kitchen gardeningImage: Constraint of the second second security by kitchen gardening and nutritionImage: Constraint of the second sec	Piggery Management										
Animal Nutrition ManagementImage: constraint of the second se	Rabbit Management										
Disease Management357-573-360-60Feed & fodder technology <td>Animal Nutrition Management</td> <td></td>	Animal Nutrition Management										
Feed & fodder technology Image: state of the state	Disease Management	3	57	-	57	3	-	3	60	-	60
Production of quality animal productsImage: second	Feed & fodder technology										
products Image: constraint of the second	Production of quality animal										
Total 4 76 - 76 4 - 4 80 - 80 V Home Science/Women empowerment Image: Construction of the second seco	Others (pl specify)				1						
V Home Science/Women I I I I I I I empowerment I I I I I I I Household food security by kitchen gardening and nutrition gardening I I I I I Design and development of low/minimum cost diet I I I I I I	Total	4	76	-	76	4	_	4	80	-	80
empowerment Image: Constraint of the second security by the second se	V Home Science/Women		70	_	70		_		00	_	00
Household food security by kitchen gardening and nutrition gardening Image: Constraint of the security of the se	empowerment										
kitchen gardening and nutrition	Household food security by										
garuening Design and development of low/minimum cost diet Image: Constraint of the second se	kitchen gardening and nutrition										
low/minimum cost diet	gardening Design and development of										
	low/minimum cost diet										

										42
Designing and development for										
high nutrient efficiency diet										
Minimization of nutrient loss in	1		20	20					20	20
Processing and cooking	1	-	20	20	_	_	_	_	20	20
Gender mainstreaming through										
SHGs	1	-	20	20	-	-	-	-	20	20
Storage loss minimization			21			0	0		10	10
techniques Value addition	2	-	31	31	-	9	9	-	40	40
Women empowerment										
Location specific drudgery										
reduction technologies	1	-	20	20	-	-	-	-	20	20
Rural Crafts										
Women and child care	1	-	13	13	-	7	7	-	20	20
Total	6		10/	104		16	16		120	120
VI Agril. Engineering	0	-	104	104	-	10	10	-	120	120
Farm Machinery and its										
maintenance										
Installation and maintenance of								10		10
micro irrigation systems	2	36	-	36	4	-	4	40	-	40
practices										
Production of small tools and										
implements										
Repair and maintenance of farm										
machinery and implements	1	18	-	18	2	-	2	20	-	20
Small scale processing and value										
Post Harvest Technology	1	18	_	18	2	_	2	20	_	20
Others (pl specify)	1	10		10	2		2	20		20
Total	4	72	-	72	8	-	8	80	-	80
VII Plant Protection										
Integrated Pest Management	3	48	6	54	6	-	6	54	6	60
Integrated Disease Management	1	17	1	18	1	1	2	18	2	20
Bio-control of pests and diseases	ļ									
and bio pesticides										
Others (pl specify)										
Total	4	65	7	72	7	1	8	72	8	80
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture										
of freshwater prawn	<u> </u>									
Breeding and culture of										
Ornamental fisnes										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture	ĺ									
Fish processing and value addition	ļ									
Others (pl specify)										
I Otal IX Production of Inputs at site										
Seed Production (Pl. Breeding)	4	72	_	72	8	_	8	80	_	80
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Production of fry and fingerlings										
	L	1		I	1		1	I	l	

										43
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	4	72	-	72	8	-	8	80	-	80
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	37	552	111	633	60	17	77	612	128	740

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

Thematic area	No. of	of Participants								
	courses		Others			SC/ST		(Frand Tota	al
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	5	90	-	90	10	-	10	100	-	100
Resource Conservation										
Technologies										
Cropping Systems	3	54	-	54	6	-	6	60	-	60
Crop Diversification	1	18	-	18	2	-	2	20	-	20
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management	1	18	-	18	2	-	2	20	-	20
Integrated Crop Management	2	36	-	36	4	-	4	40	-	40
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs										
Soil sampling										
Total	12	216	-	216	24	-	24	240	-	240
II Horticulture										
a) Vegetable Crops										
Production of low value and										
high valume crops	3	53	-	53	7	-	7	60	-	60
Off-season vegetables	1	18	-	18	2	-	2	20	-	20
Nursery raising	2	36	-	36	4	-	4	40	-	40
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	6	107	-	107	13	-	13	120	-	120
b) Fruits										
Training and Pruning										
Layout and Management of										
Orchards	1	17	-	17	3	-	3	20	-	20
Cultivation of Fruit	1	18	-	18	2	-	2	20	-	20

										44
Management of young										
plants/orchards										
Rejuvenation of old orchards										
Micro irrigation systems of										
orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)	2	35	-	35	5	-	5	40	-	40
c) Ornamental Plants	1	19		19	2		2	20		20
Management of potted plants	1	10	-	10	2	-	2	20	-	20
Export potential of ornamental										
plants										
Propagation techniques of										
Ornamental Plants										
value and high value crops)										
Total (c)	1	18	-	18	2	-	2	20	-	20
d) Plantation crops										
Production and Management										
technology										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management										
technology										
Processing and value addition										
Total (a)										
f) Spices										
Production and Management										
technology										
Processing and value addition										
Others (pl specify)										
g) Medicinal and Aromatic										
Plants										
Nursery management										
Production and management								•		•
technology Dest homest technology and	1	17	-	17	3	-	3	20	-	20
value addition										
Others (pl specify)										
Total (g)	1	17	-	17	3	-	3	20	-	20
GT (a-g)	10	177	-	177	23	-	23	200	-	200
III Soil Health and Fertility										
Management Soil fertility management										
Integrated water management										
Integrated Nutrient	6	400		400	40		40	400		400
Management	6	108	-	108	12	-	12	120	-	120
Production and use of organic										
Inputs Management of Problematic										
soils										
Micro nutrient deficiency in										
crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Others (pl specify)		+		+						
Total	6	108	-	108	12	-	12	120	-	120
IV Livestock Production and		100		100						
Management										
Dairy Management	2	38	-	38	2	-	2	40	-	40
Poultry Management										

										45
Piggery Management										
Rabbit Management										
Animal Nutrition Management	4	76		76	4		4	00		00
Disease Management	4	/6	-	/6	4	-	4	80	-	80
Preduction of quality animal	1	19	-	19	1	-	1	20	-	20
products	1	19	-	19	1	-	1	20	-	20
Others (pl specify)					-		-	20		20
Total	8	152	-	152	8	-	8	160	-	160
V Home Science/Women										
empowerment										
Household food security by										
kitchen gardening and nutrition	1		14	14		<i>.</i>			20	20
gardening	1	-	14	14	-	6	6	-	20	20
low/minimum cost diet	1	_	2	2	-	18	18	_	20	20
Designing and development for	1		2	2		10	10		20	20
high nutrient efficiency diet	1	-	2	2	-	18	18	-	20	20
Minimization of nutrient loss in										
processing	1	-	20	20	-	-	-	-	20	20
Processing and cooking										
Gender mainstreaming through			•	20					20	20
SHGs	I	-	20	20	-	-	-	-	20	20
Storage loss minimization	2		31	31		0	0		40	40
Value addition	2	-	25	25	-	15	15	-	40	40
Women empowerment	2		23	25		15	15		-10	-10
Location specific drudgery										
reduction technologies	1	-	20	20	-	-	-	-	20	20
Rural Crafts										
Women and child care	2	-	28	28	-	12	12	-	40	40
Others (pl specify)			1 ()	1.0			-0			
Total	12	-	162	162	-	78	78	-	240	240
VI Agril. Engineering										
maintenance										
Installation and maintenance of										
micro irrigation systems	2	36	-	36	4	-	4	40	-	40
Use of Plastics in farming										
practices	1	18	-	18	2	-	2	20	-	20
Production of small tools and										
Implements Repair and maintanance of										
farm machinery and										
implements	4	72	-	72	8	-	8	80	-	80
Small scale processing and					-		_			
value addition										
Post Harvest Technology	1	18	-	18	2	-	2	20	-	20
Others (Use of advanced										
agricultural implements)		144		144	16		16	1(0		1(0
Total	8	144	-	144	16	-	16	160	-	160
VII Plant Protection	6	06	10	106	11	3	14	107	13	120
Integrated Disease	0	70	10	100	11	5	14	107	15	120
Management	2	34	2	36	3	1	4	37	3	40
Bio-control of pests and										
diseases										
Production of bio control										
agents and bio pesticides										
Uners (pl specify)	O	120	10	1.40	14	A	10	144	17	170
VIII Fisherica	ð	130	12	142	14	4	18	144	10	100
VIII FISHERIES										
Carp breeding and hatchery										
management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and										
culture of freshwater prawn										

										46
Breeding and culture of		1								ĺ
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)	8	139	-	139	21	-	21	160	-	160
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	8	139	-	139	21	-	21	160	-	160
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	72	1066	174	1240	118	82	200	1184	256	1440

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

	No. of				No. o	f Participan	its			
Area of training	NO. OI		General			SC/ST			Grand Tota	ત્રી
	Courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of										
Horticulture crops										
Training and pruning of										
orchards										
Protected cultivation of	1	8	-	8	2	-	2	10	-	10
vegetable crops										
Commercial fruit										
production										
Integrated farming										
Seed production	2	17	-	17	3	-	3	20	-	20
Production of organic	1	8	-	8	2	-	2	10	-	10
inputs										

Planting material	2	16	-	16	4	-	4	20	-	20
production										
Vermi-culture	1	8	-	8	2	-	2	10	-	10
Mushroom Production	1	8	-	8	2	-	2	10	-	10
Bee-keeping										
Sericulture										
Repair and maintenance of	2	16	-	16	4	-	4	20	-	20
farm machinery and										
implements										
Value addition	1	-	7	7	-	3	3	-	10	10
Small scale processing										
Post Harvest Technology	2	8	7	15	2	3	5	10	10	20
Tailoring and Stitching	1	-	5	5	-	5	5	-	10	10
Rural Crafts (Tie & dye)										
Production of quality										
animal products										
Dairying	1	9	-	9	1	-	1	10	-	10
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production	1	9	-	9	1	-	1	10	-	10
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	1	-	6	6	-	4	4	-	10	10
activities for employment										
of rural women (Tye &										
dye)										
TOTAL	17	107	25	132	23	15	38	130	40	170

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

	No. of					No. of Parti	cipants			
Area of training	Courses		General			SC/ST			Grand T	otal
	Courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of										
Horticulture crops										
Training and pruning of										
orchards										
Protected cultivation of										
vegetable crops										
Commercial fruit										
production										
Integrated farming										
Seed production										
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										

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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)

	No. of				No. o	f Participar	its			
Area of training	Courses		General			SC/ST			Grand Tota	al
Numerany Monogement of		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of										
Training and pruning of										
orcharda										
Drotacted sultivation of	1	Q		Q	2		2	10		10
vegetable crops	1	0	-	0	2	-	2	10	-	10
Commercial fruit										
production										
Integrated farming										
Seed production	2	17	_	17	3	_	3	20	_	20
Broduction of organia	1	8	_	8	2	_	2	10	_	10
inputs	1	0	_	0	2	_	2	10	_	10
Planting material	2	16	_	16	4	_	4	20	_	20
production	2	10	_	10	-	_	-	20	_	20
Vermi culture	1	8	_	8	2	_	2	10	_	10
Mushroom Broduction	1	8	_	8	2	_	2	10	_	10
Realization Floduction	1	0	-	0	2	-	2	10	_	10
Serieulture										
Densin and maintenance of	2	16		16	4		4	20		20
form mashingry and	2	10	-	10	4	-	4	20	-	20
implements										
Malua addition	1		7	7		2	2		10	10
	1	-	/	1	-	3	3	-	10	10
Small scale processing	2	0	7	15	2	2	5	10	10	20
Post Harvest Technology	2 1	8	/	15	2	5	5	10	10	20
Tailoring and Stitching	1	-	3	3	-	3	3	-	10	10
Rural Crafts (Tie & dye)										
Production of quality										
animal products	1	0		0	1		1	10		10
Dairying	1	9	-	9	1	-	1	10	-	10
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming	1	0		0			-	10		10
Poultry production	1	9	-	9	1	-	1	10	-	10
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture			ļ		ļ					
Cold water fisheries					ļ					
Fish harvest and										
processing technology										

Fry and fingerling rearing										
Income generation activities for employment of rural women (Tye & dye)	1	-	6	6	-	4	4	-	10	10
TOTAL	17	107	25	132	23	15	38	130	40	170

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

					No	o. of Par	ticipant	s		
Area of training	No. of		General			SC/ST			Grand T	otal
	Courses	М	Fe	Т	М	Fe	Т	М	Fe	Т
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 programmers (off campus)

					No	. of Par	ticipant	5		
Area of training	No. of Courses		General			SC/ST			Grand T	otal
	courses	М	Fe	Т	м	Fe	Т	М	Fe	Т
Productivity enhancement in field crops	8	160	-	160	-	-	-	160	-	160
Integrated Pest Management	4	80	-	80	-	-	-	80	-	80
Integrated Nutrient management	1	20	-	20	-	-	-	20	-	20
Rejuvenation of old orchards	1	20	-	20	-	-	-	20	-	20
Protected cultivation technology	1	20	-	20	-	-	-	20	-	20
Production and use of organic inputs	1	20	-	20	-	-	-	20	-	20
Care and maintenance of farm machinery and implements	3	60	-	60	-	-	-	60	-	60
Gender mainstreaming through SHGs										
Formation and Management of SHGs	1	-	9	9	-	11	11	-	20	20
Women and Child care	4	-	55	55	-	25	25	-	80	80
Low cost and nutrient efficient diet designing	3	-	42	42	-	18	18	-	60	60
Group Dynamics and farmers										
organization										
Information networking among										
farmers										
Capacity building for ICT application										
Management in farm animals	2	40	-	40	-	-	-	40	-	40

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Livestock feed and fodder production	2	40	-	40	-	-	-	40	-	40
Household food security										
Seed Production	4	80	-	80	-	-	-	80	-	80
IDM	1	20	-	20	-	-	-	20	-	20
Micro irrigation system	2	40	-	40	-	-	-	40	-	40
TOTAL	38	600	106	706	-	54	54	600	160	760

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

					No	o. of Par	ticipants	5		
Area of training	No. of Courses		General			SC/ST			Grand T	otal
	Courses	М	Fe	Т	М	Fe	Т	М	Fe	Т
Productivity enhancement in field crops	8	160	-	160	-	-	-	160	-	160
Integrated Pest Management	4	80	-	80	-	-	-	80	-	80
Integrated Nutrient management	1	20	-	20	-	-	-	20	-	20
Rejuvenation of old orchards	1	20	-	20	-	-	-	20	-	20
Protected cultivation technology	1	20	-	20	-	-	-	20	-	20
Production and use of organic inputs	1	20	-	20	-	-	-	20	-	20
Care and maintenance of farm machinery and implements	3	60	-	60	-	-	-	60	-	60
Gender mainstreaming through SHGs										
Formation and Management of SHGs	1	-	9	9	-	11	11	-	20	20
Women and Child care	4	-	55	55	-	25	25	-	80	80
Low cost and nutrient efficient diet designing	3	-	42	42	-	18	18	-	60	60
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	2	40	-	40	-	-	-	40	-	40
Household food security										
Seed Production	4	80	-	80	-	-	-	80	-	80
IDM	1	20	-	20	-	-	-	20	-	20
Micro irrigation system	2	40	-	40	-	-	-	40	-	40
TOTAL	38	600	106	706	-	54	54	600	160	760

Table. Sponsored training programmes

	No. of Courses				No. of	Participa	ants			
Area of training		(Jeneral			SC/ST		G	rand Tot	al
		Μ	Fe	Т	М	Fe	Т	Μ	Fe	Т
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										

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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	No. of participants								
	Courses	General		SC/ST		Grand Total				
		Μ	Fe	Т	Μ	Fe	Т	М	Fe	Т
Farmer's Technical Training	2	67	3	70	22	8	30	89	11	100
GRAND TOTAL	2	67 3 70 22 8 30 89		89	89 11 100					

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

No. of No. of Participar							its	ts			
Area of training	Course		General			SC/ST			Grand Tot	al	
	s	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-iertilizers 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					

Some photographs of Training Programmes conducted by KVK, GB Nagar



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IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	56	513	18	531
Diagnostic visits	48	422	22	444
Field Day	12	190	35	225
Group discussions	-	-	-	0
Kisan Ghosthi	08	610	150	760
Kisan Mela	01	415	12	427
Exhibition	01	415	12	427
Scientists' visit to farmers field	312	2439	-	2439
Ex-trainees Sammelan	-	-	-	0
Method Demonstrations	-	-	-	0
Celebration of important days	03	85	-	85
Exposure visits	03	166	-	166
Lecture delivered	112	2820	-	2820
Farmers visit to KVK	328	328	-	328
Total	884	8403	249	8652

Details of other extension programmes

Particulars	Number
Extension Literature	02
News paper coverage	10
Research Paper	02
Popular articles	02
TV Talks	10
Leaflet	05
Technical Article	22
Technical Report	04
Total	57

Mobile Advisory Services

		Type of Messages									
Name of KVK	Message Type	Сгор	Livestock	Weather	Marke -ting	Aware- ness	Other enterprise	Total			
	Text only	22	08	-	05	18	12	65			
KVK, GB Nagar	Voice only	65	22	12	18	36	42	195			
	Voice & Text both										
	Total Messages	87	30	12	23	54	54	260			
	Total farmers										
	Benefitted	87	30	12	23	54	54	260			

Krishi Vigyan Kendra, GB Nagar (2017 – 18) Different Programmes at a glance



Nursery growing in Low Poly tunnel at KVK, GB Nagar



Seed distribution for different programmes at KVK Campus



Some leaflets published by KVK, G B Nagar









Quarterly magzine published by KVK, GB Nagar



Prashikshan Pustika by KVK,GB Nagar



Bee hive demo unit seen by Dr. M.K. Rai, Prof. & Head, KVK, GB Nagar



Krishak Samvad Programme



Krishak Samvad Programm



Training Programmes with Ambuja Cement Foundation

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

Сгор	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers

Production of planting materials by the KVKs -

Сгор	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers

Production of Bio-Products – Proper supply of power is required.

	Name of the bio-product	Quantity		
Bio Products		Kg	Value (Rs.)	No. of Farmers

Table: Production of livestock materials - NA

	Name of the breed	Number	Value (Rs.)	No. of Farmers
Particulars of Live stock				

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Funds needed for purchase of instruments and infrastructure development

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)			
Soil	50	22	06	-			
Water							
Plant							
Manure							
Others (pl.specify)							
Total	50	22	06	-			

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
KVK, G.B. Nagar	One on dated 16 th December, 2017

IX. NEWSLETTER

Name of News letter	No. of Copies printed for distribution
Krishi Sandesh (July – September, 2017)	100
Krishi Sandesh (Oct Dec., 2017)	100

X. PUBLICATIONS

Category	Number
Research Paper	02
Technical bulletins	-
Leaflet	05
Technical Article	02
Technical Report	04

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

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

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

Introduction of alternate crops/varieties

Crops/cultivars	Crops/cultivars Area (ha)		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										
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 - NA

XV. TECHNOLOGICAL BACKSTOPPING BY DIRECTORATES OF EXTENSION

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DETAILS OF TRAINING PROGRAMMES

1.1 On-Campus Training for Practicing farmers & Farm Women

Subject	Title of the training programme	Date	Duration	_G.
			days	Total
	1 st Quarter (April, 2017 - June, 2017)			
Crop Production	Dhaincha Green Manuring to rice as substitute to Fertilizer N	12-13.04.17	2	20
	IWM in Rice	22-23.06.17	2	20
Horticulture	Cultivation technique of papaya production	07-08.06.17	2	20
Livestock Production	H.S. disease: Its symptom and preventive measures.	01-02.06.17	2	20
Aari Enga	Safe use of thresher during operation	18-19.05.17	2	20
Ayn. Engy.	Importance of laser land leveling	01-02.06.17	2	20
Home Sc.	Development, Maintenance and Importance of Nutritional Garden	26-27.04.17	2	20
	Processing of fruits and vegetables after harvesting	23-24.05.17	2	20
Plant Protection	Techniques of raising disease free healthy paddy nursery	10-11.05.17	2	20
Plant Breeding	Seed Production technique of Urd & Moongbean.	27-28.04.17	2	20
	2 nd Quarter (July. 2017 – Sept2017)			
Crop Production	INIM in Toria/Sarson	12-13 00 17	2	20
Crop Froduction	Cultivation technique of cauliflower	17-18 08 17	2	20
Horticulture	Nursery raising technique of marigold	14-15 09 17	2	20
Livestock	Symptom of heat and time of insemination in milch	01-02 09 17	2	20
Production	animal.	01 02:00:17	-	20
Aari. Enga.	Use of Rotavator in paddy transplanting.	27-28.07.17	2	20
	Method of preparation of different types of low cost	28-29.07.17	_	20
Home Sc.	Nutritious diet		2	
	Soybean: Importance, available Nutrients and products	29-30.08.17	2	20
Plant Protection	IPM in rice.	05-06.07.17	2	20
Plant Breeding	Plant Proceeding Seed Production of scented rice.		2	20
	Seed production of Toria/Mustard.	19-20.09.17	2	20
	3 rd Quarter (Oct., 2017 – Dec., 2017)		_	
	Advance technology of lentil	17-18.10.17	2	20
Crop Production	INM in wheat	02-03.11.17	2	20
L La al Caralleana	IWM in wheat	13-14.11.17	2	20
Horticulture	Nursery mgt. of onion.	17-18.10.17	2	20
Production	Importance of green fodder in animal feed.	15-16.12.17	2	20
Agri. Engg.	Use of plastic mulch in farming practices.	27-28.10.17	2	20
Home Sc.	Importance and schedule of immunization for child and pregnant women	30-31.10.17	2	20
Plant Protection	IPM in mustard/toria.	04-05.10.17	2	20
Plant Breeding	Seed production technology of wheat crop.	09-10.11.17	2	20
	4 th Quarter (Jan., 2018 – March, 2018)			
Crop Production	Production technology of late sown wheat varieties.	06-07.02.18	2	20
	Advanced tech. of summer moong cultivation.	15-16.02.18	2	20
Horticulture	Cultivation technique of bottle gourd	26-27.02.18	2	20
Livestock Production	Hygienic milk production.	22-23.02.18	2	20
Home Sc.	Preservation of fruits and vegetables	12-13.02.18	2	20
Plant Protection	IPM in urd/moong.	06-07.02.18	2	20

1.2 Off Campus Training for Practicing farmers & Farm Women

Subject	Title of the training programme	Date	Duration (days)	G. Total		
	1 st Quarter (April, 2017 - June, 2017)					
	Use of liquid fertilizers in crops	04.05.17	1	20		
Cran Draduction	Tech. of raising healthy paddy seedlings.	19.05.17	1	20		
Crop Production	Balanced use of fertilizer in rice.	01.06.17	1	20		
	Production technology of Kharif pulses	06.06.17	1	20		
Horticulture	Cultivation technique of early cauliflower	09.05.17	1	20		
Livestock Production	Vaccination and dewarming in dairy animals.	29.06.17	1	20		
Agri. Engg.	Use of repair, maintenance of plant protection equipments	18.05.17	1	20		
Homo So	Drudgery Reduction of farm women through work simplification technique.	28.04.17	1	20		
	Scientific method of Chaffing and cooking of food to minimize nutrient loss	17.05.17	1	20		
	2 nd Quarter (July, 2017 – Sept.,2017)					
Crop Production	IWM in Rice	18.07.17	1	20		
	Orchard management	11.08.17	1	20		
Horticulture	Nursery raising technique of tomato.	19.09.17	1	20		
Livestock Production	Nutritional requirement of lactating, pregnant and dry animals.	30.08.17	1	20		
Agri. Engg.	Operation & maintenance of micro-irrigation system.	12.09.17	1	20		
Home Sc.	Formation and importance of Self Help Group (SHG) to empower Rural women	24.07.17	1	20		
	Safe Grain storage at household level	27.09.17	1	20		
Diant Dratastian	IDM in rice	11.07.17	1	20		
Plant Protection	IPM in moong /urd	23.08.17	1	20		
Plant Brooding	Seed production of scented rice.	02.07.17	1	20		
Fiant Dieeunig	Seed production of toria	22.09.17	1	20		
	3 rd Quarter (Oct., 2017 – Dec., 2017)					
Onen Dreskustien	Production technology of mustard.	03.10.17	1	20		
Crop Production	Balanced use of fertilizer in wheat.	12.10.17	1	20		
	IWM in wheat	10.11.17	1	20		
Horticulture	Protective cultivation of cucurbitaceous crops	07.12.17	1	20		
Livestock Production	F.M.D.: Its symptoms and preventive measures.	23.11.17	1	20		
Agri. Engg.	Different type of equipment required for processing of fruit & vegetables.	23.11.17	1	20		
Home Sc.	Malnutrition: Causes and dietary prevention	26.10.17	1	20		
Plant Breeding	Varietal identification for wheat seed production.	12.10.17	1	20		
	4 th Quarter (Jan., 2018 – March, 2018)					
Crop Production	Advanced tech. of summer moong cultivation.	17.02.18	1	20		
	Dhaincha green mannuring to rice.	22.03.18	1	20		
Horticulture	Scientific cultivation technique of marigold.	24.02.18	1	20		
Livestock Production	Mastitis in milch animals: Its symptoms and control.	30.01.18	1	20		
Agri. Engg.	Fertigation through micro-irrigation system.	18.02.18	1	20		
Home Sc.	Establishment and importance of zero energy cool Chamber (ZECC)	24.01.18	1	20		
	IPM in okra.	30.01.18	1	20		
FIANT PROTECTION	Mgt. of tomato fruit & shoot borer.	02.02.18	1	20		
Plant Breeding	Technique of roughing in wheat seed production. 24.01.18 1 2					

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

Subject	Training title	Month/date	Duration (days)	G.Total
	1 st Quarter (April, 2017 - June, 2017)			
Horticulture	Post Harvest Technology in onion crops	12-16 June, 2017	5	10
Livestock Production	Scientific dairy farming	22-26 May, 2017	5	10
Home Science	Preparation of different types of Mango Product	03 & 05- 09 June, 2017	6	10
	2 nd Quarter (July, 2017 – Sept.,2017)			
Plant Breeding	Seed production of Basmati rice	10-14 July, 2017	5	10
	3 rd Quarter (Oct., 2017 – Dec., 2017)			
	Vermi-culture	23-30 Oct., 2017	7	10
Crop Production	Production of sugarcane sapling for high yield of sugarcane.	18-22 Dec., 2017	5	10
Horticulture	Low cost poly house and low tunnel for vegetable production.	10-14 Oct., 2017	5	10
Livestock Production	Backyard Poultry farming	04-08 Dec., 2017	5	10
	Technique of Tie and Dye	06-10 & 13 Nov., 2017	6	10
Home Science	Cutting, Stitching and Embroidery	11-15 & 18 Dec., 2017	6	10
Ag. Engg.	Repair & maintenance of farm machinery & implements.	19-23 Dec., 2017	5	10
PI. Protection	Mushroom production.	20-25 Nov., 2017	7	10
Plant Breeding	Roughing technique in wheat seed production	24-25 & 27-29 Nov., 2017	5	10
	4 th Quarter (Jan., 2018 – March, 2018)			
Crop Production	Production of vermi compost	23-24 & 26-28 Feb., 2018	5	10
Home Science	Preparation of different types of pickles	06 & 08-12 Jan., 2018	6	10
Ag. Engg.	Motor Binding	06-10 March, 2018	5	10
PI. Protection	Bio-agent production.	15-20 Jan., 2018	7	10

1.4 In-service Extension worker's Training Programs

Subject	Title of the training programme	Date	Duration (days)	G. Total
	1 st Quarter (April, 2017 - June, 2017)			
Crop Draduation	Advances in rice cultivation.	17.05.17	1	20
Crop Production	Nursery mgt. in rice.	18.05.17	1	20
Horticulture	Drip irrigation in horticultural crops.	17.05.17	1	20
Livestock Production	Urea treatment of wheat straw for improving nutritive digestive value	06.06.17	1	20
Home Sc.	Importance and schedule of immunization for child and pregnant women	21.04.17	1	20
	Preparation and Importance of Amylase rich food	20.05.17	1	20
Agri. Engg.	Improved agriculture equipments for GB Nagar district to increase yield.	24.05.17	1	20
Plant Breeding	Seed production of moongbean.	19.04.17	1	20
	2 nd Quarter (July, 2017 – Sept.,2017)			
Crop Draduation	Advance technology of urd and moong in kharif.	17.08.17	1	20
Crop Production	Advance technology of pulses crop in rabi.	28.09.17	1	20

				05
Horticulture	Production of low & high volume vegetable crops.	13.09.17	1	20
Livestock	Vaccination and deworming schedule in dairy animals	06.09.17	1	20
Production				
	Formation, management and importance of Self Help	25.07.17	1	20
Home Sc.	Problem of anaemia during pregnancy: Causes and Prevention	24.08.17	1	20
Agri. Engg.	Importance of laser land leveling	24.07.17	1	20
	Importance of bio-pesticides in production of vegetables	21.07.17	1	20
Plant Protection	Insect pests of rice and their mgt.	16.08.17	1	20
	IDM in rice.	13.09.17	1	20
Plant Breeding	Seed production of scented rice.	19.07.17	1	20
	3 rd Quarter (Oct., 2017 – Dec., 2017)			
Crop Production	Advances in INM in wheat.	15.11.17	1	20
Horticulture	Rejuvenation of old orchard	20.12.17	1	20
Livestock Production	Use and importance of mineral mixture.	20.12.17	1	20
	Preparation of different types of low cost nutritious diet	24.10.17	1	20
Home Sc.	Balanced Diet and its importance	22.12.17	1	20
Agri. Engg.	Use of operations of sprinkler irrigation system.	16.11.17	1	20
	Insect pest of toria/ mustard and their mgt.	18.10.17	1	20
Plant Protection	Insect pest of brinjal and their mgt.	15.11.17	1	20
Plant Breeding	Seed production technique of wheat.	15.11.17	1	20
	4 th Quarter (Jan., 2018 – March, 2018)			
	Advances in summer moong cultivation.	17.01.18	1	20
Crop Production	Latest techniques of sugarcane production.	12.02.18	1	20
Horticulture	Advance technologies in vegetable production	22.02.18	1	20
Livestock	Care and feeding of newly born calf.	18.01.18	1	20
Production				
Homo So	Malnutrition: causes and Prevention	23.01.18	1	20
	Importance of Protein in diet for children	03.02.18	1	20
Agri. Engg.	Operation & maintenance of plant protection equipments.	15.02.18	1	20
Plant Protection	IDM in okra.	17.01.18	1	20
Plant Breeding	Seed production of cauliflower.	05.02.18	1	20

66 **Annexure-B**

Other major activities undertaken by KVK, GB Nagar in Detail:

1. Basmati Export Development Foundation

- Programme 1
- Date (Duration) 2
- 3 Venue
- 4 No. of farmers participated
- 5 Scientist participation
- 6 Funding organization
- 7 Special invitees

- **Export Potential of Basmati Rice** :
- 16.06.2017 :
- : KVK Gautam Budh Nagar 105

All Staff participated

- : :

- 8 Activities undertaken
- : BEDF : Prof. Gopal Singh

:

Training

9 Photograph







2. India Today Conclave

1	Programme	:	Agro Award Programme
2	Date (Duration)	:	23.06.2017
3	Venue	:	NAAS Campus, New Delhi
4	No. of farmers participated	:	22
5	Scientist participation	:	Dr. Mayank Kr. Rai
6	Funding organization	:	TV Today Group
7	Special invitees	:	Sh. Radha Mohan Singh, Minister Agriculture
8	Activities undertaken	:	Award ceremony and seminar on doubling farmer's
			income
9	Photograph	:	



3. Safe Storage Campaign by Entomological Society of India and UPL

1	Programme	:	Safe grain storage
2	Date (Duration)	:	11.07.2017
3	Venue	:	NAAS Campus, New Delhi
4	No. of farmers participated	:	55
5	Scientist participation	:	Dr. Mayank Kr. Rai and Dr. Laxmi Kant
6	Funding organization	:	UPL
7	Special invitees	:	Dr. J.P. Sharma, Jt. Dir. Ext. IARI, New Delhi
8	Activities undertaken	:	Training and Demonstration of Storage activity
9	Photograph	:	

4. NABARD Foundation Day Celebration and Training

1	Programme	:	Training of Head of Women's Self Help Group for
			entrepreneurship
2	Date (Duration)	:	12.07.2017
3	Venue	:	DTO office, Dadri
4	No. of farmers	:	45
	participated		
5	Scientist participation	:	Dr. Mayank Kr. Rai
6	Funding organization	:	Ambuja Foundation, Dadri
7	Special invitees	:	GM, NTPC and Miss Vinita Srivastav, DDM
			NABARD
8	Activities undertaken	:	Training on Mushroom Cultivation
9	Photograph	:	

5. Sankalp se Siddhi Programme

1	Programme	:	Sankalp se Siddhi
2	Date (Duration)	:	04.09.2017
3	Venue	:	KVK Gautam Budh Nagar
4	No. of farmers participated	:	432
5	Scientist participation	:	All Staff participated
6	Funding organization	:	Govt. of India
7	Special invitees	:	Sh. Tejpal Singh Nagar, MLA, Dadri Vidhan Sabha
8	Activities undertaken		Oath ceremony given by the Sh. Tejpal Nagar for Doubling the farmers income and for development of New India up to 2022

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9 Photograph

6. Mushroom Production training

1	Programme	:	Mushroom Production
2	Date	:	06.09.2017
3	Venue	:	KVK Gautam Budh Nagar
4	No. of farmers participated	:	58
5	Scientist participation	:	All Staff participated
6	Funding organization	:	-
7	Special invitees	:	Dr. Gopal Singh, Prof., Plant Pathology, SVPUA&T, Meerut and Dr. N.N. Gupta, Retd. Prof., Pantnagar
8	Activities undertaken		Training for Mushroom (Button, Oster & Dhingari) Production at farmers level

9 Photograph

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7. Kisan Mela

1	Programme	:	Kisan Mela
2	Date (Duration)	:	07-09.10.2017
3	Venue	:	SVPUA&T, Meerut
4	No. of farmers participated	:	56
	from KVK, GB Nagar		
5	Scientist participation	:	Dr. Mayank Kumar Rai, Dr. Laxmi Kant, Dr.
			Sheesh Pal Singh and Smt. Vinita Singh
6	Funding organization	:	SVPUA&T, Meerut
7	Special invitees	:	Dr. A.K. Singh, DDG Ext., ICAR, New Delhi
8	Activities undertaken		Awareness of different agriculture technologies
9	Photograph	:	

8. International Soil Health Day Celebration

1	Programme	:	International Soil Health Day Celebration
2	Date (Duration)	:	05.12.2017
3	Venue	:	Village – Khursadpura, Block – Dadri, GB Nagar
4	No. of farmers participated	:	73
5	Scientist participation	:	All Scientist
6	Funding organization	:	KVK
7	Special invitees	:	-
8	Activities undertaken		Advised farmers regarding importance of soil test
			prior to sowing of any crop, nutrient
			management, organic farming and less use of
			insecticide and pesticides.
9	Photograph	:	

Photograph 9



9. Kisan Sanman Diwas Celebrated

1	Programme	:	Celebration of Ch. Charan Singh Diwas as Kisan
			Sanman Diwas
2	Date (Duration)	:	23 December, 2017
3	Venue	:	KVK, GB Nagar
4	No. of farmers participated	:	70
5	Scientist participation	:	All Scientist and staff
6	Funding organization	:	KVK
7	Special invitees	:	Sh Vishan Pal Singh, Member cooperative
8	Activities undertaken	:	Lecture Delivered on various topics related to Rabi
			season crop, Animal Husbandry. Honour to
			Progressive farmers of the district

9 Photograph



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10. Kisan Mela by Horticulture Deptt

1	Programme	:	Horticulture Mela
2	Date (Duration)	:	03.01.2018
3	Venue	:	KVK Campus
4	No. of farmers participated	:	250
5	Scientist participation	:	All KVK Scientist and staff
6	Funding organization	:	State Horticulture Department
7	Special invitees	:	Sh. Omveer Singh, Progressive farmer awarded
			by UP Govt.
8	Activities undertaken		Lectures delivered on different aspect of doubling
			income.
9	Photograph	:	





11. Horticulture Mela

1	Programme	:	Horticulture Mela
2	Date (Duration)	:	06.01.2018
3	Venue	:	Dankaur Block
4	No. of farmers participated	:	310
5	Scientist participation	:	Dr. Mayank Kr Rai, Dr. Sheesh Pal Singh, Dr.
			Laxmi Kant and Sh. Suraj Bhan
6	Funding organization	:	State Horticulture Department
7	Special invitees	:	Sh. Dhirendra Singh, Hon'ble MLA, Jewar
8	Activities undertaken		Lectures delivered on different aspect of doubling
			income.
9	Photograph	:	





12. Kisan Gosthi

1	Programme	:	Adoption of Javik gram Bambawad
2	Date (Duration)	:	22.02.2018
3	Venue	:	Village Bambawad, Block Dadri, GB Nagar
4	No. of farmers participated	:	180
	from KVK, GB Nagar		
5	Scientist participation	:	Dr. Mayank Kumar Rai, Sh. Kunvar Ghanshyam and
			Sh. Suraj Bhan
6	Funding organization	:	Dept. of Ag., GB Nagar and KVK, GB Nagar
7	Special invitees	:	Sh. Anil Kumar Singh, CDO, GB Nagar
8	Activities undertaken		Organic production of different crops including
			vegetables and their certification and marketing

9 Photograph



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13. Farmers Technical Training

1	Programme	:	Farmers Technical Training
2	Date (Duration)	:	12-14 March, 2018
3	Venue	:	KVK, GB Nagar Training Hall
4	No. of farmers participated	:	50
5	Scientist participation	:	All Scientist
6	Funding organization	:	State Govt.
7	Special invitees	:	-
8	Activities undertaken	:	Lecture delivered on different aspects of agriculture
9	Photograph	:	



14. Pusa Kisan Mela participated/stall

1	Programme	:	Krishi Unnati Mela
2	Date (Duration)	:	17.03.2018
3	Venue	:	ICAR-IARI Exhibition ground, New Delhi
4	No. of farmers participated	:	110
	from KVK, GB Nagar		
5	Scientist participation	:	Dr. Mayank Kr Rai, Dr. Sheesh Pal Singh and Sh.
			Suraj Bhan
6	Funding organization	:	ICAR
7	Special invitees	:	Hon'ble PM Sh. Narendra Modi ji and Ag. Minister
			Sh Radha Mohan Singh ji
8	Activities undertaken		Participated with farmers for better interaction with
			new technology
9	Photograph	:	





15. Farmers Technical Training

1	Programme	:	Farmers Technical Trainings
2	Date (Duration)	:	22-24 March, 2018
3	Venue	:	KVK, GB Nagar Training Hall
4	No. of farmers participated	:	50
5	Scientist participation	:	All KVK Scientist
6	Funding organization	:	State Govt.
7	Special invitees	:	Dr. C.B. Singh
8	Activities undertaken	:	
9	Photograph	:	



