ICAR-ATARI, Pune
DETAILS OF ANNUAL PROGRESS REPORT OF KVKs DURING 2018-19
(1st April 2018 to 31st March 2019)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address with PIN code	Telephone		E mail	Website address & No. of visitors (hits)
Krishi Vigyan Kendra	Office	FAX	kvk_khapat@yahoo.co.in	-
Junagadh Agricultural University Opp. Saint Joseph School, Adityana Road Khapat – Porbandar – 360 579 (Gujarat)	94089 03062	-	kvkkhapat@jau.in	

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

Address	Telephone		E mail	Website address
	Office	FAX		
Junagadh Agricultural University Junagadh – 362 001 (Gujarat)	0285-2671784 0285-2672080-90	0285-2672004 0285-2672653	-	www.jau.in

1.3. Name of the Senior Scientist and Head with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. R.K.Odedra	94089 03062	098252 80843	rkodedra@jau.in

1.4. Year of sanction: February, 2005

1.5. Staff Position (as on March 31, 2019)

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	If Permanent, Please indicate		Date of joining	If Temporary, pl. indicate the consolidated amount paid (Rs./month)
				Current Pay Band	Current Grade Pay		
1	Senior Scientist and Head (I/C)	R. K. Odedra	Pl. breeding & Genetics	15600-39100	8000	01-06-2009	-
2	Subject Matter Specialist	D. S. Thakar	Home Science	15600-39100	8000	22-08-2006	-
3	Subject Matter Specialist	H. A. Patel	Animal Hus.	15600-39100	6000	06-04-2015	-
4	Subject Matter Specialist	V. M. Savaliya	Horticulture	15600-39100	6000	01-08-2017	-
5	Subject Matter Specialist	Vacant	-	-	-	-	-
6	Subject Matter Specialist	Vacant	-	-	-	-	-
7	Subject Matter Specialist	Vacant	-	-	-	-	-
8	Programme Assistant	D.N.Hadiya	-	38090 (Fix)	-	07-08-2018	-
9	Computer Programmer	J.J.Naliyapara	-	39900-126600	-	12-06-2008	-
10	Farm Manager	A.M.Gamit	-	38090 (Fix)	-	02-08-2018	-
11	Accountant/Superintendent	B.S.Bokhiriya	-	39900-126600	-	12-06-2008	-
12	Stenographer	Vacant	-	-	-	-	-
13	Driver 1	Vacant	-	-	-	-	-
14	Driver 2	Vacant	-	-	-	-	-

1.6. Total land with KVK (in ha)

S. No.	Item	Area (ha)
1	Under Buildings	2.451
2	Under Demonstration Units	0.337
3	Under Crops	14.660
4	Horticulture	2.798
5	Pond	0.344
6	Others if any	-
	Total	**20.59**

1.7. Infrastructural Development

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1	Administrative Building	ICAR	2007	588	30,78,850	-	-	Completed
2	Farmers Hostel	ICAR	2008	288	21,02,300	-	-	Completed
3	Staff Quarters (6)	ICAR	2007	446	28,38,616	-	-	Completed
4	Demonstration Units (2)	ICAR	2017	-	-	-	-	Completed
5	Fencing	ICAR	2009	500 RM	-	-	-	Completed
6	Rain Water harvesting system	ICAR	2009	-	10,00,000	-	-	Completed
7	Threshing floor	-	-	-	-	-	-	Completed
8	Farm godown	ICAR	2009	129	-	-	-	Completed
9	ICT lab	-	-	-	-	-	-	-
10	Other	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor (Farmtrac)	2005	3,80,000	58728 hrs	Good
Scorpio Jeep	2017	11,86,893	22443	Good
Moror cycle (Hero – Splendor)	2010	47,000	20945	Good

C) Equipments & AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
LCD projector	2008-09	1,00,000	Running
Zerox machine	2008-09	1,24,000	Running
R.O. plant	2008-09	24,450	Running
Hcl laptop computer	2008-09	47,500	Running
Food processor	2008-09	5,495	Running
Multipurpose bullock drawn pipe frame implement head peace	2008-09	27,500	Running
Rotavator tractor operated	2008-09	96,000	Running
Planter tractor operated	2008-09	44,000	Running
Tractor drawn harrow cum cultivator cum intercultivator frame 86"	2008-09	37,500	Running

Samsung double door refrigerator	2008-09	17,650	Running
Electrolux grill microwave / oven	2008-09	9,580	Running
Panasonic LCD projector	2008-09	1,03,912	Running
Multi purpose groundnut cum wheat thresher	2008-09	1,14,000	Running
Cotton shredder	2008-09	2,42,000	Running
Solar street light	2008-09	28,000	Running
Solar lanterns	2008-09	4,800	Running
Solar cooker	2008-09	3,300	Running
Mobile seed grading unit	2008-09	16,85,000	Running
Decorticators	2008-09	95,850	Running
Winnowing fan	2008-09	8,500	Running
Chaff cutter	2008-09	30,188	Running
High tech sprayer pump	2008-09	1,850	Running

1.8. Details SAC meeting conducted in the year

Date	Sr. No.	Name and Designation of Participants	Salient Recommendations	Action taken
25/03/2019	1	Dr. A. R. Pathak Hon'ble Vice Chancellor, JAU, Junagadh	1. Problem faced by farmers of the district should be included in the presentation 2. Change in cropping pattern of the district should be included 3. Training on IPDM in mango & organic farming of fruits should be included 4. FLDs on fruit fly trap in mango should be given 5. Training on importance of soil health card should be included in earlier quarter 6. FLDs on MPD technology in cotton should be given 7. Utilization of produce of FLDs by farmers should be mentioned 8. Trainings of Home Science should focus on contemporary subjects viz., computer learning.	1. The suggestion has been incorporated 2. The suggestion has been incorporated 3. Accepted and will be incorporated in the action plan 4. Accepted and will be included in action plan 5. Accepted and will be conducted accordingly 6. Accepted and will be included in action plan 7. Accepted and will be done 8. Will be conducted accordingly
	2	Dr. P. V. Patel Director of Extension Education, JAU, Junagadh		
	3	Dr. V. P. Chovatia Director of Research, JAU, Junagadh		
	4	Dr. D. S. Hirpara Associate Director of Research, Dry Farming Research Station, Targhadia		
	5	Dr. R. K. Odedra Senior Scientist & Head, KVK, JAU, Khapat-Porbandar		
	6	Dr. K. P. Baraiya Senior Scientist & Head, KVK, JAU, Jamnagar		
	7	Dr. N. B. Jadav Senior Scientist & Head, KVK, JAU, Pipaliya		
	8	Shri J. N. Parmar District Agricultural Officer, Porbandar		
	9	Shri R. S. Gohel Deputy Director Agriculture (Training), FTC, Porbandar		
	10	Dr. Kapil Parmar Representative Deputy Director of Animal Husbandry, Porbandar		

	11	Shri M. D. Odedra Rep. Deputy Director (Horticulture), Porbandar	9. Male farmers should also include in home science training 10. Use at least 3 treatments in OFT of Animal Husbandry	9. Accepted and will be done 10. Accepted and included in action plan
	12	Shri Arvindbhai Chavda Dy. Project Director, ATMA, Porbandar		
	13	Smt. Naynaben Yadav Agriculture Officer (Training), FTC, Porbandar		
	14	Shri Amitkumar V. Vajar Manager, Lead Bank, Porbandar		
	15	Dr. P. S. Gorfad Associate Professor, COA, Porbandar		
	16	Dr. D. L. Kadvani Research Scientist (Pearlmillet), Pearlmillet Research Station, Jamnagar		
	17	Shri Murubhai Bhimabhai Godhaniya At: Advana; Ta. & Dist. Porbandar		
	18	Shri Maldebhai Savdasbhai Karavdra At: Ramgadh; Ta.: Ranavav; Dist.: Porbandar		
	19	Shri Jamnadas Karabhai Mahavadiya At; Mokar; Ta.: Ranavav; Dist.: Porbandar		
	20	Shri Jayeshbhai Rambhai Bhokhiriya At: Khambbhala; Ta: Ranavav; Dist. Porbandar		
	21	Smt. Shital Malde Karavdara At: Ramgadh; Ta: Ranavav; Dist. Porbandar		
	22	Kum. Mina Dayalal Teriya At: Palakhada; Ta: Porbandar; Dist. Porbandar		
	23	Smt. Savitaben Jamnadas Mahavdiya At; Mokar; Ta.: Ranavav; Dist.: Porbandar		
	24	Shri Nagabhai Devabhai Sundavadra At:Degam; Ta: &Dist. Porbandar		
	25	Shri Pratapbhai Jodhabhai Sundavadra At:Degam; Ta: &Dist. Porbandar		
	26	Shri Hasmukhbhai M. Chavda At: Gokran; Ta-Kutiyana; Di- Porbandar		
	27	Kum. Lata Chanabhai Keshvala		

2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Rainfed Farming System
2	Animal husbandry (Cattle/Buffalos)

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

Sl. No.	Agro-climatic Zone	Characteristics
1	South Saurashtra	**Porbandar** district is located between 21° to 22° N latitude and 69° to 70° E longitude. **Khapat**- N 21° 40' 12" and E 69° 37' 14" **Soil:** medium black & silty loam with calcareous in nature **pH:** pH of the soil is ranging from 8.01 to 8.58 **Water:** EC value up to 8.1 mm / cm **Average Rainfall:** 668 mm **Temperature Range:** 39.0° C to 12.0 °C

Topography

S. No.	Agro ecological situation	Characteristics
1	Shallow black soil with low rainfall	Soil: Sandy clay loam to clay with Rainfall: <750 mm
2	Hilly soil with low rainfall	Soil: Sandy clay loam to sandy clay with Rainfall: <750 mm
3	Medium black soil with low rainfall	Soil: Sandy clay to clay with Rainfall: <750 mm
4	Deep black soil with low rainfall (Ghed)	Soil: clay with Rainfall: <750 mm
5	Mix red & black soil with medium rainfall	Soil: Sandy clay loam to clay loam with Rainfall: 750-1000 mm

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Sandy clay loam to clay	Rainfall: <750 mm	34241
2	Sandy clay loam to sandy clay	Rainfall: <750 mm	46080
3	Sandy clay to clay	Rainfall: <750 mm	86627
4	Clay	Rainfall: <750 mm	56880
5	Sandy clay loam to clay loam	Rainfall: 750-1000 mm	5707

2.4. Area, Production and Productivity of major crops cultivated in the district (2018-19)

S. No	Crop	Area (ha)	Production (MT)	Productivity (Qt/ha)
1	Groundnut	76,200	1,02,717	13.48
2	Cotton#	10,700	19,008	3.02
3	Wheat	1400	3548	25.34
4	Cumin	3300	2109	6.39
5	Coriander	1100	1037	9.43
6	Gram	5200	7982	15.36
7	Green gram	250	128	5.12
8	Black gram	200	155	6.34
9	Castor (Rabi)	300	610	20.34
10	Forage crops	26,200	29,35,579	1120.45

Source: District agriculture department, Porbandar #Cotton Production in bales of 170 kg each and productivity in lint

2.5. Weather data (2018-19)

Month	Rainfall (mm)	Temperature ^{0}C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
Jan-18	-	28.01	11.08	88.00	31.20
Feb-18	-	29.64	13.12	87.50	26.54
Mar-18	-	32.24	16.56	77.26	41.68
Apr-18	-	32.50	16.76	91.00	45.00
May-18	-	33.79	19.53	80.50	59.00
Jun-18	-	33.03	19.15	84.69	64.57
July-18	407.0	29.69	17.28	96.00	71.50
Aug-18	18.7	29.52	15.09	92.60	73.50
Sep-18	35.0	31.42	16.71	92.00	61.60
Oct-18	-	32.50	17.19	88.30	61.80
Nov-18	-	31.04	15.44	79.40	49.00
Dec-18	-	29.74	12.85	77.49	33.00
Total	**460.7**	**31.09**	**15.90**	**86.23**	**51.53**

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

Category	Population	Production	Productivity
Cattle			
Crossbred	-	-	-
Indigenous	84,711	-	-
Buffalo	1,44,573	-	-
Sheep	21,675	-	-
Goats	17,891	-	-
Pigs			
Crossbred	-	-	-
Indigenous	-	-	-
Rabbits	-	-	-
Poultry			
Hens	-	-	-
Desi	2069	-	-
Category		**Production (Q.)**	**Productivity**
Fish (Reservoir)	11,748	96,510 (MT- Capture)	-

2.7. Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problems identified	Identified Thrust Areas
Porbandar	Cluster I	Khapat Palkhada Rinavala Kuchhadi Degam	Groundnut Wheat Cumin Coriander Sorghum Gram	• White grub & stem rot in groundnut • Wilt & blight in cumin • Powdery mildew in coriander	• IPM (Management of white grub in groundnut) • INM • Improved package of practices • IDM (Management of stem rot in groundnut) • Poor quality water
Ranavav	Cluster II	Ramgadh Aaditpara Doltgadh Daiyar Pipliya	Groundnut Cotton Sorghum Wheat Cumin Pearl millet	• White grub & stem rot in groundnut • Pink ballworm & sucking pests in cotton • Wilt & blight in cumin	• IPM (Management of white grub in groundnut; pink ball worm in cotton) • INM • Improved package of practices • IDM (Management of stem rot in groundnut) • INM in Horticulture

Kutiyana	Cluster III	Choliyana Sindhpur Frer Gokran Hamadpara	Groundnut Cotton Castor Sorghum Wheat Cumin Gram	• White grub & stem rot in groundnut • Pink ballworm & sucking pests in cotton • Wilt & blight in cumin	• IPM (Management of white grub in groundnut; pink ball worm in cotton) • INM • Improved package of practices • IDM (Management of stem rot in groundnut) • Problematic soil • Poor quality irrigation water

2.8. Priority thrust areas

Crop/Enterprise	Thrust area
Groundnut	Integrated Nutrient Management, Integrated Pest & Disease Management, Soil moisture conservation, Improved variety, organic farming
Cotton	Integrated Pest Management, Integrated Nutrient Management
Wheat	Integrated Nutrient Management, Soil moisture conservation
Cumin	Integrated disease management, irrigation management, organic farming
Coriander	Improved variety, IDM
Chick pea	Improved variety, INM, organic farming
Sorghum	Soil moisture conservation
Horticulture	Improved package of practices of spices, PHT in fruits & vegetables
Fisheries	Integrated fish farming, freshwater aquaculture, seaweed cultivation
Farm women	Income generating activities, Value addition in agricultural produce, women & child care

3. TECHNICAL ACHIEVEMENTS

3.1. A. Details of target and achievements of mandatory activities

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
5	5	31	31	14	14	305	305

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
43	43	1280	1345	15	15	2465	6348

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
210	111.6	10,000	7000

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
-	-	-	-

3.1. B. Operational areas details during 2018-19

S.No.	Major crops & enterprises being practiced in cluster of villages	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected by the problem in the district	Name of Cluster Villages identified for interventions	Interventions (OFT, FLD, Training, extension activity etc.)*
1	Groundnut	• White grub & stem rot in groundnut	6990	Khapat Palkhada Rinavala Kuchhadi Degam	OFTs; Training; Ext. Activities
	Cumin	• Wilt & blight in cumin	183		FLDs; Training; Ext. Activities
	Coriander	• Powdery mildew in coriander	329		FLDs; Training; Ext. Activities
	Cattle/ Buffalos	• Milk Fever & Mastitis	18845		OFTs; Training; Ext. Activities
2	Groundnut	• White grub & stem rot in groundnut	6990	Ramgadh Aaditpara Doltgadh Daiyar Pipliya	OFTs; Training; Ext. Activities
	Cotton	• Pink ball worm & sucking pest in cotton	2685		FLDs; Training; Ext. Activities
	Cumin	• Wilt & blight in cumin	183		FLDs; Training; Ext. Activities
	Cattle/ Buffalos	• Milk Fever & Mastitis	18845		OFTs; Training; Ext. Activities
3	Groundnut	• White grub & stem rot in groundnut	6990	Choliyana Sindhpur Gokran Farer Hamadpara	OFTs; Training; Ext. Activities
	Cotton	• Pink ball worm & sucking pest in cotton	2685		FLDs; Training; Ext. Activities
	Cumin	• Wilt & blight in cumin	183		FLDs; Training; Ext. Activities
	Cattle/ Buffalos	• Milk Fever & Mastitis	18845		OFTs; Training; Ext. Activities

* Support with problem-cause and interventions diagram

3.2. Technology Assessment

A1. Abstract on the number of technologies assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	Other	TOTAL
Integrated Nutrient Management	-	-	-	-	1	-	-	-	-	-	**1**
Varietal Evaluation	-		-	-	-	-	-	-	-	-	
Integrated Pest Management	-	1	-	-	-	-	-	-	-	-	**1**
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-	-	-	-	-	-
Farm Machineries	-	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-	-	-	-	1	**1**
Storage Technique	-	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-	-
Total	**-**	**1**	**-**	**-**	**1**	**-**	**-**	**-**	**-**	**1**	**3**

A2. Abstract on the number of technologies assessed in respect of livestock enterprises

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-
Nutrition Management	1	-	-	-	-	**1**
Disease of Management	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-
Production and Management	1	-	-	-	-	**1**
Feed and Fodder	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-
TOTAL	**2**	**-**	**-**	**-**	**-**	**2**

B. Achievements on technologies Assessed

B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
Integrated Nutrient Management	Chilli	Integrated nutrient management in Summer chilli	3	3	1.2
Varietal Evaluation					
Integrated Pest Management	Groundnut	Management of white grub in groundnut	3	3	1.2
Integrated Crop Management					
Integrated Disease Management					
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition					
Drudgery Reduction		Evaluation & minimization of physiological & muscular stress of farmwomen while milking	5	5	-
Storage Technique					
Mushroom cultivation					
		Total	**11**	**11**	**2.4**

B.2. Technologies assessed under Livestock and other enterprises

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds				
Nutrition management	Buffaloes	Effect of parasitic drug on farm animal	10	10
Disease management				
Value addition				
Production and management	Buffaloes	Effect of feeding mineral mixture & Fertivet tablet in *Jafarabadi* buffaloes	10	10
Feed and fodder		-	-	-
Small scale income generating enterprises		-	-	-
		Total	**20**	**20**

C1. Results of Technologies Assessed

Results of On Farm Trial - 1

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Groundnut	Rainfed	Low yield & heavy damage due to white grub	Management of whitegrub in groundnut	3	Integrated Pest Management	1. Yeild (kg/ha) 2. White grub population 3. Economics	Whitegrub population/m^2	T_1 – 7 T_2 – 1 T_3 – 1 T_4 - 1	Tech. was cheaper; easy to apply and effective to manage whitegrub	-	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit	Net Return (Profit) in Rs/ ha	BC Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice)*	-	15.75	q/ha	38587	2.36
Technology option 2**	JAU, Junagadh	20.86	q/ha	63355	3.50
Technology option 3***	JAU, Junagadh	21.50	q/ha	66375	3.65
Technology option 4****	JAU, Junagadh	17.42	q/ha	49035	2.96

*** Farmer's practice -** Chloropyrihpos @ 4 lit./ha at the time of attack

**** Recommended practice –** Seed treatment with chloropyriphos @ 25 ml/kg, spraying the trees on bund with carbaryl @ 40 g/15 lit water

***** Intervention-1 -** Soil application of *Metarhizium anisopliae* @ 2.5 kg/ha at time of sowing

**** **Intervention-2 -** Soil application of *Beuveria bassiana* @ 2.5 kg/ha at time of sowing

C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1 Title of Technology Assessed - Management of white grub in groundnut
2 Problem Definition - Heavy infestation of white grub in groundnut
3 Details of technologies selected for assessment - Integrated Management of White grub
4 Source of technology - JAU, Junagadh
5 Production system and thematic area - Groundnut, Integrated Pest Management
6 Performance of the Technology with performance indicators - White grub population/m^2
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques
8 Final recommendation for micro level situation
9 Constraints identified and feedback for research
10 Process of farmers participation and their reaction

Results of On Farm Trial - 2

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
-	-	Physiological & muscular stresses in farmwomen during milking	Evaluation & minimization of physiological & muscular stress of farmwomen while milking	5	Use of drudgery reduction tool for milking	1. Level of drudgery 2. Physical stress 3. Work output & field acceptability	Physical stress Tool factor	T_1 – High T_2 – Low T_1 – 1 Medium relavant T_2 – Highly relevant	Revolving stool technology was very effective to reduce physiological & muscular stresses	-	-

Contd..

Technology Assessed	Source of Technology	Physical stress	Tool factor
13	14	15	16
Technology option 1 (Farmer's practice) – No use of milking stool	-	High	Medium relevant
Technology option 2 – Revolving milking stool	MPUAT, Udaipur	Low	Highly relevant

C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1 Title of Technology Assessed - Evaluation & minimization of physiological & muscular stress of farmwomen while milking
2 Problem Definition - Physiological & muscular stresses in farmwomen during milking
3 Details of technologies selected for assessment - Use of drudgery reduction tool for milking (Revolving milking stool)
4 Source of technology - MPUAT, Udaipur
5 Production system and thematic area - Drudgery reduction
6 Performance of the Technology with performance indicators - Physical stress, Tool factor
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques
8 Final recommendation for micro level situation
9 Constraints identified and feedback for research
10 Process of farmers participation and their reaction

Results of On Farm Trial - 3

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Buffalos	-	Long inter calving period in Jafrabadi buffaloes	Effect of feeding of mineral mixture + Fertivet tablet in Jafrabadi Buffalos	10	Reducing intercalving period in Jafrabadi buffaloes	1. Intercalving period in month 2. Average heat 3. Milk yield (lit/day)	-	14 – 17.33 month 2-3 month 14.33	This tech. reduces intercalving period; Increases milk yield	-	-

Contd..

Technology Assessed	Source of Technology	Intercalving period (Month)	Average Heat (Month)	Milk Yield (lit/day)
13	14	15	16	17
Technology option 1 (Farmer's practice) – No use of any material	-	18-24	3.0-4.33	12.33
Technology option 2 – Mineral mixture 50g/day + Fertivet tablet -1 tablet/day (5 tablets)	Animal Nutrition & Feeding Practice, ICAR, New Delhi	14-17.33	2-3	14.33

C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1 Title of Technology Assessed - Effect of feeding of mineral mixture + Fertivet tablet in Jafrabadi Buffalos
2 Problem Definition - Long inter calving period in Jafrabadi buffaloes
3 Details of technologies selected for assessment - Reducing intercalving period in Jafrabadi buffaloes
4 Source of technology - Animal Nutrition & Feeding Practice, ICAR, New Delhi
5 Production system and thematic area - Production and management
6 Performance of the Technology with performance indicators - Inter calving period (Month), Average Heat (Month), Milk yield (Lit./Day)
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques
8 Final recommendation for micro level situation
9 Constraints identified and feedback for research
10 Process of farmers participation and their reaction

Results of On Farm Trial - 4

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Buffalos	-	Parasitic infection and low milk yield	Effect of parasitic drug on farm animal	10	Nutrition Management	1. Milk yield 2. Income	-	14.0 377 Rs./animal/day	This tech. Increases milk yield	-	-

Contd..

Technology Assessed	Source of Technology	Milk Yield (lit/day)	Gross Cost (Rs/animal/day)	Net Profit (Rs/animal/day)	BCR
13	14	15	16	17	18
Technology option 1 (Farmer's practice) – Control	-	12.0	301	299	1.99
Technology option 2 – Mineral mixture 50g/day + Fenbendazole tablet (5-7.5 mg/kg body weight)	Animal Health Management by N.S.R. Sastry	14.0	323	377	2.16

C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1 Title of Technology Assessed - Effect of parasitic drug on farm animal
2 Problem Definition - Parasitic infection and low milk yield
3 Details of technologies selected for assessment - Nutrition management
4 Source of technology - Animal Health Management by N.S.R. Sastry
5 Production system and thematic area - Nutrition management
6 Performance of the Technology with performance indicators - Milk Yield(lit/day), Income
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques
8 Final recommendation for micro level situation
9 Constraints identified and feedback for research
10 Process of farmers participation and their reaction

Results of On Farm Trial - 5

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Chili	Irrigated	Low production in Summer chili	Integrated Nutrient Management in Summer chili	3	Integrated Nutrient Management	1. Yeild (kg/ha) 2. Economics	-	-	-	-	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit	Net Return (Profit) in Rs/ha	BC Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice)- 150-50-00 (kg NPK/ha)	-	-	q/ha	-	-
Technology option 2 (Recommended practice)- 100-50-50 (kg NPK/ha)	JAU, Junagadh	-	q/ha	-	-
Technology option 3 - RDF + spraying of banana pseudostem sap @ 1 % thrice. First spray at starting of flowering and another at 15 days intervals.	NAU, Navsari	-	q/ha	-	-

***Results awaited**

C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1 Title of Technology Assessed - Integrated Nutrient Management in Summer chili
2 Problem Definition - Low production in Summer chili
3 Details of technologies selected for assessment - Integrated Nutrient Management
4 Source of technology - NAU, Navsari
5 Production system and thematic area - Chili, Integrated Nutrient Management
6 Performance of the Technology with performance indicators - Yield, Economics
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques
8 Final recommendation for micro level situation
9 Constraints identified and feedback for research
10 Process of farmers participation and their reaction

3.3. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2018-19 and recommended for large scale adoption in the district

Sr No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Wheat	INM	Biofertilizer + $ZnSO_4$	Trainings, FLDs & Field days	15	550	180
2	Cumin	IDM	*Trichoderma* + Mancozeb & Hexaconazole	Trainings, FLDs & Field days	17	140	28
3	Groundnut	Varietal Evaluation	Improved variety GJG-22	Trainings, FLDs & Field days	6	130	65
4	Gram	Varietal Evaluation	Improved variety GJG-3	Trainings, FLDs & Field days	20	1400	850
5	Green gram	Varietal Evaluation	Improved variety GM -4	Trainings, FLDs & Field days	28	800	350
6	Cotton	IPM	Pheromone trap + *Beuveria bassiana*	Trainings, FLDs & Field days	28	841	397
7	Cattle/buffalos	Nutrition management	Mineral mixture	Trainings, FLDs & Field days	7	123	-

B. Details of FLDs implemented during 2018-19 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops)

a. Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstrations			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Wheat	INM*	INM + $ZnSO_4$	*Rabi*–2018-19	8	8	-	20	20	Nil
2	Wheat	Varietal	GJW-463	*Rabi*-2018-19	4	4	-	10	10	Nil
*Biofertlizer – *Azotobacter* + PSB + $ZnSO_4$										

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Wheat	*Rabi*–2018-19	Irrigated	Medium black	Low	Medium	High	Groundnut	10-24/11/18	-	460.7	12
Wheat	*Rabi*–2018-19	Irrigated	Medium black	Low	Medium	High	Groundnut	10-24/11/18	-	460.7	12

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	INM in wheat is better than farmer's practice
2	Improved variety GJW – 463 gives higher yield as compare to variety grown by farmer
3	Length of spike is higher in GJW – 463

Farmers' reactions on specific technologies

S. No	Feed Back
1	Variety GJW-463 gives higher yield than GJW-496/ Lok-1
2	Chapati making from GJW-463 flour was also acceptable

b. Horticulture crops

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstrations			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Onion	INM	Sulphur – 90%	*Rabi*-2018-19	4	4	-	10	10	Nil

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Onion	*Rabi*–2018-19	Irrigated	Medium black	Low	Medium	High	Groundnut	16-25/11/18	-	460.7	12

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Leads the farmers from traditional agriculture to scientific & sustainable agriculture by use of recommended practices
2	In case of Sulphur deficiency in soil; application is quite beneficial

Farmers' reactions on specific technologies

S. No	Feed Back
1	Quality of onion was good

c. Oilseeds

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstrations			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Groundnut	INM	*Rhizobium* + PSB	*Kharif* -2018	10	10	-	25	25	Nil
2	Groundnut	Varietal	GJG-22	*Kharif*- 2018	4	4	-	10	10	Nil

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Groundnut	*Kharif*- 2018	Rainfed	Medium black	Low	Medium	High	Groundnut/ Wheat/Cumin	16-19/07/18	-	460.7	12
Groundnut	*Kharif*- 2018	Rainfed	Medium black	Low	Medium	High	Groundnut/ Wheat/Cumin	16-19/07/18	-	460.7	12

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	INM in groundnut increased production as well as the quality
2	Improved variety of Groundnut GJG -22 is better than the Existing variety (GG-20) in production

Farmers' reactions on specific technologies

S. No	Feed Back
1	If the seeds of the new varieties are generously available through Govt. Agencies, they are interested in sowing of demonstrated improved varieties
2	Production of GJG-22 was higher
3	Higher oil percentage in GJG-22 prefered by oil miller

d. Pulses

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstrations			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Chickpea	Varietal	GJG-3	*Rabi*-2018-19	8	8	-	20	20	Nil
2	Greengram	Varietal	GAM-5	Summer–*2018-19*	4	4	-	10	10	Nil

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Chickpea	*Rabi*-2018-19	Rainfed	Medium black	Low	Medium	High	-	5-17/11/18	-	460.7	12
Greengram	Summer–*2018-19*	Irrigated	Medium black	Low	Medium	High	Cumin / Wheat	25-28/02/18	-	460.7	12

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Variety of chickpea GJG-3 have higher potential in Ghed area of porbandar
2	Variety of greengram GAM-5 is better performer than GM-4
3	Variety of chickpea GJG-3 is partially wilt & stunt resistant

Farmers' reactions on specific technologies

S. No	Feed Back
1	An improved variety particularly of chick pea GJG-3 is good and can give its potential yield with proper management practices

e. Cotton & others

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstrations			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Cotton	IPM	Pheromone trap + *Beuveria*	*Kharif* -2018	10	10	2	23	25	Nil
2	Kitchen gardening	Improved Varieties	Improved varieties of JAU	*Kharif* -2018	5	5	-	50	50	Nil
3	Kitchen gardening	Improved Varieties	Improved varieties of JAU	*Rabi* -2018-19	5	5	-	50	50	Nil

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Cotton	*Kharif* -2018	Rainfed/ Irrigated	Medium black	Low	Medium	High	Groundnut / Cotton	16-19/07/18	-	460.7	12
Kitchen gardening	*Kharif* -2018	Rainfed	Medium black	Low	Medium	High	Groundnut / Cotton	-	-	460.7	12
Kitchen gardening	*Rabi* -2018-19	Irrigated	Medium black	Low	Medium	High	Groundnut	-	-	460.7	12

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	IPM improves the growth and yield of cotton
2	Make the farmers aware about Integrated Pest & Disease Management by the proper use of insecticide/fungicides.

Farmers' reactions on specific technologies

S. No	Feed Back
1	IPM in cotton lowers the pest attacks considerably
2	Quality was better than check due to less infection of pink ballworm

f. Analytical Review of component demonstrations

Crop	Season	Component	Farming situation	Average Yield (q/ha)	Local Yield (q/ha)	% increase in productivity over local check
Chickpea	*Rabi*-2018-19	HNPV + *Beuveria*	Rainfed	14.08	13.45	4.68
Sorghum (*Gundhri*)	Semi *Rabi*-2018-19	*Azatobactor* + PSB	Rainfed	12.70	12.31	3.17

Extension and Training activities under FLD

Sl. No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	7	-	239	-
2	Farmers Training	8	-	322	-
3	Media coverage	-	-	-	-
4	Training for extension functionaries	-	-	-	-

C. Performance of Frontline Demonstrations

Frontline demonstrations on Oilseed crops

Crop	Thematic Area	Technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Groundnut																		
1	INM	*Rhizobium* + PSB	GG-20	25	10	26.35	11.20	17.95	16.75	7.16	25300	76287	50987	3.01	28760	71187	42427	2.47
2	Varietal	Improved variety	GJG-22	10	4	30.25	12.45	20.10	16.75	20.00	25000	85425	60425	3.42	28760	71187	42427	2.47

Frontline Demonstration on Pulse crops

Crop	Thematic Area	Technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Greengram																		
	Varietal	Improved variety	GAM-5	10	4	5.11	4.51	4.81	4.48	7.37	19447	28860	9413	1.48	20100	26880	6780	1.34
Chickpea																		
	Varietal	Improved variety	GJG-3	20	8	17.65	15.40	18.52	14.20	16.34	13500	66080	52580	4.89	15600	56800	41200	3.64

FLD on Other crops

Category & Crop	Thematic Area	Name of the Technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average										
Cereal																	
Wheat																	
1	INM	INM + $ZnSO_4$	20	8	29.54	25.90	27.72	25.60	8.28	25850	56826	30976	2.20	28300	52480	24180	1.86
2	Improved variety	GJW - 463	10	4	32.71	27.40	30.06	25.80	16.49	25350	61623	36273	2.43	28300	52890	24590	1.87
Vegetables																	
Onion																	
	INM	Sulphur-90%	10	4	223.49	211.42	217.45	210.30	3.40	102369	184832	82463	1.81	101369	157725	56356	1.56
Commercial Crops																	
Cotton																	
	IPM	Pheromone trap + *Beuveria*	25	10	26.87	22.47	24.67	21.35	15.55	30350	129517	99167	4.27	32300	112087	79787	3.47

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Animal/ Poultry/ Birds)	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cattle																	
Buffalo																	
1	Nutrient Management	Bypass fat	20	20	4500	3600	25.00	-	-	122000	225000	103000	1.84	110000	180000	70000	1.64
2	Nutrient Management	Chelated Mineral mixture	20	20	3000	2600	15.38	-	-	105000	150000	45000	1.42	95000	130000	35000	1.36

FLD on Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Common Carps																	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FLD on Other Enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.) or Rs./unit				Economics of check (Rs.) or Rs./unit			
				Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Oyster Mushroom																
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check
-	-	-	-	-	-
-	-	-	-	-	-

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FLD on Other Enterprise: Kitchen Gardening

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Yield (Kg)		% change in yield	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Kitchen Gardening (*Kharif*)	Kitchen Gardening	Improved varieties by JAU*	50	50/ crop	42.10	-	-	-	-	175	504	329	2.88	-	-	-	-
Kitchen Gardening (*Rabi*)	Kitchen Gardening	Improved varieties by JAU**	50	50/ crop	46.40	-	-	-	-	175	556	381	3.17	-	-	-	-
* Tomato (JT-3); Brinjal (GJB-2); Okra (GJO-3); Cluster bean (Pusa Navbahar); Cowpea (AVC-1) ** Tomato (GJT-1); Indian bean (GJIB-1); Okra (GJO-3); Cucumber (GC-1); Smooth gourd (GJSG-2)																	

FLD on Demonstration details on crop hybrids

Crop	technology demonstrated	Hybrid Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average						
Oilseed crop													
-	-	-	-	-	-	-	-	-	-	-	-	-	-

D. Performance of Cluster Frontline Demonstrations (CFLD)

CFLD on Oilseed crops

Crop	Thematic Area	Technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Sesamum																		
	Varietal	Improved variety	Guj. Til -3	39	15.6	Results Awaited												

CFLD on Pulse crops

Crop	Thematic Area	Technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Chickpea																		
	Varietal	Improved Variety	GJG-3	40	16	15.70	14.90	15.30	13.50	13.33	13500	61200	47700	4.53	15600	54000	38400	3.46

3.4. Training Programmes

Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	1	14	4	18	2	1	3	16	5	21
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	1	19	3	22	3	2	5	22	5	27
Soil & water conservatioin	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**2**	**33**	**7**	**40**	**5**	**3**	**8**	**38**	**10**	**48**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	1	29	8	37	7	4	11	36	12	48
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	1	19	0	19	1	0	1	20	0	20
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (a)	**2**	**48**	**8**	**56**	**8**	**4**	**12**	**56**	**12**	**68**
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (b)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of	-	-	-	-	-	-	-	-	-	-

ornamental plants										
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (c)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (d)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (e)	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (f)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (g)	-	-	-	-	-	-	-	-	-	-
GT (a-g)	**2**	**48**	**8**	**56**	**8**	**4**	**12**	**56**	**12**	**68**
III Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-
Balance use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
IV Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-

Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Disease Management	1	13	4	17	2	2	4	15	6	21
Feed & fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	1	14	5	19	2	1	3	16	6	22
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**2**	**27**	**9**	**36**	**4**	**3**	**7**	**31**	**12**	**43**
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	1	0	16	16	0	4	4	0	20	20
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	1	0	19	19	0	3	3	0	22	22
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**2**	**0**	**35**	**35**	**0**	**7**	**7**	**0**	**42**	**42**
VI Agril. Engineering										
Farm Machinary and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
VII Plant Protection										
Integrated Pest Management	1	17	0	17	3	0	3	20	0	20
Integrated Disease Management	1	26	3	29	3	0	3	29	3	32

Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**2**	**43**	**3**	**46**	**6**	**0**	**6**	**49**	**3**	**52**
VIII Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
X CapacityBuilding and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-

WTO and IPR issues	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	**10**	**151**	**62**	**213**	**23**	**17**	**40**	**174**	**79**	**253**

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	1	47	0	47	8	0	8	55	0	55
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	1	27	7	34	3	1	4	30	8	38
Micro Irrigation/irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	1	21	7	28	11	2	13	32	9	41
Soil & water conservatioin	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	1	29	0	29	1	0	1	30	0	30
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**4**	**124**	**14**	**138**	**23**	**3**	**26**	**147**	**17**	**164**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-	-	-
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (a)	-	-	-	-	-	-	-	-	-	-
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	1	21	0	21	4	0	4	25	0	25
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of	-	-	-	-	-	-	-	-	-	-

orchards										
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Organic farming in horticultural crops	1	19	4	23	3	1	4	22	5	27
Total (b)	**2**	**40**	**4**	**44**	**7**	**1**	**8**	**47**	**5**	**52**
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (c)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										
Production and Management technology	1	38	0	38	4	0	4	42	0	42
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (d)	**1**	**38**	**0**	**38**	**4**	**0**	**4**	**42**	**0**	**42**
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (e)	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (f)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (g)	-	-	-	-	-	-	-	-	-	-
GT (a-g)	**3**	**78**	**4**	**82**	**11**	**1**	**12**	**89**	**5**	**94**
III Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-

Balance use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
IV Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Disease Management	2	41	16	57	9	1	10	50	17	67
Feed & fodder technology	1	14	17	31	0	4	4	14	21	35
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**3**	**55**	**33**	**88**	**9**	**5**	**14**	**64**	**38**	**102**
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	1	0	33	33	0	3	3	0	36	36
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	1	0	19	19	0	7	7	0	26	26
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	1	0	31	31	0	6	6	0	37	37
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	1	0	31	31	0	2	2	0	33	33
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**4**	**0**	**114**	**114**	**0**	**18**	**18**	**0**	**132**	**132**
VI Agril. Engineering										
Farm Machinary and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-

Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
VII Plant Protection										
Integrated Pest Management	1	23	4	27	5	0	5	28	4	32
Integrated Disease Management	1	23	5	28	5	1	6	28	6	34
Bio-control of pests and diseases	1	26	3	29	3	0	3	29	3	32
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**3**	**72**	**12**	**84**	**13**	**1**	**14**	**85**	**13**	**98**
VIII Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management	-	-	-	-	-	-	-	-	-	-

of SHGs										
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	**17**	**329**	**177**	**506**	**56**	**28**	**84**	**385**	**205**	**590**

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

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	2	61	4	65	10	1	11	71	5	76
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	1	27	7	34	3	1	4	30	8	38
Micro Irrigation/irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	2	40	10	50	14	4	18	54	14	68
Soil & water conservatioin	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	1	29	0	29	1	0	1	30	0	30
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**6**	**157**	**21**	**178**	**28**	**6**	**34**	**185**	**27**	**212**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	1	29	8	37	7	4	11	36	12	48
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	1	19	0	19	1	0	1	20	0	20
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (a)	**2**	**48**	**8**	**56**	**8**	**4**	**12**	**56**	**12**	**68**
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	1	21	0	21	4	0	4	25	0	25
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-

Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Organic farming in horticultural crops	1	19	4	23	3	1	4	22	5	27
Total (b)	**2**	**40**	**4**	**44**	**7**	**1**	**8**	**47**	**5**	**52**
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (c)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										
Production and Management technology	1	38	0	38	4	0	4	42	0	42
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (d)	**1**	**38**	**0**	**38**	**4**	**0**	**4**	**42**	**0**	**42**
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (e)	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (f)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (g)	-	-	-	-	-	-	-	-	-	-
GT (a-g)	**5**	**126**	**12**	**138**	**19**	**5**	**24**	**145**	**17**	**162**
III Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-

Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-
Balance use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
IV Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Disease Management	3	54	20	74	11	3	14	65	23	88
Feed & fodder technology	1	14	17	31	0	4	4	14	21	35
Production of quality animal products	1	14	5	19	2	1	3	16	5	22
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**5**	**82**	**42**	**124**	**13**	**8**	**21**	**95**	**49**	**145**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	1	0	33	33	0	3	3	0	36	36
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	2	0	35	35	0	11	11	0	46	46
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	2	0	38	38	0	9	9	0	47	47
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	1	0	31	31	0	2	2	0	33	33
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**6**	**0**	**137**	**137**	**0**	**25**	**25**	**0**	**162**	**162**
VI Agril. Engineering										
Farm Machinary and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-

Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
VII Plant Protection										
Integrated Pest Management	2	40	4	44	8	0	8	48	4	52
Integrated Disease Management	2	49	8	57	8	1	9	57	9	66
Bio-control of pests and diseases	1	26	3	29	3	0	3	29	3	32
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**5**	**115**	**15**	**130**	**19**	**1**	**20**	**134**	**16**	**150**
VIII Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

X CapacityBuilding 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	**27**	**480**	**239**	**719**	**79**	**45**	**124**	**559**	**284**	**843**

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

Area of training	**No. of Courses**	**No. of Participants**								
		General			**SC/ST**			**Grand Total**		
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	1	0	17	17	0	3	3	0	20	20
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	**1**	**0**	**17**	**17**	**0**	**3**	**3**	**0**	**20**	**20**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	1	29	9	38	2	2	4	31	11	42
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	1	0	29	29	0	3	3	0	32	32
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	-	-	-	-	-	-	-	-	-	-
Cultivation of spices, onion & garlic	1	27	5	32	0	0	0	27	5	32
TOTAL	**3**	**56**	**43**	**99**	**2**	**5**	**7**	**58**	**48**	**106**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	1	29	9	38	2	2	4	31	11	42
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	1	0	17	17	0	3	3	0	20	20
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	1	0	29	29	0	3	3	0	32	32
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	-	-	-	-	-	-	-	-	-	-
Cultivation of spices, onion & garlic	1	27	5	32	0	0	0	27	5	32
TOTAL	**4**	**56**	**60**	**116**	**2**	**8**	**10**	**58**	**68**	**126**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management – Major Crops	1	26	0	26	0	0	0	26	0	26
TOTAL	**1**	**26**	**0**	**26**	**0**	**0**	**0**	**26**	**0**	**26**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-

Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management – Major Crops	1	26	0	26	0	0	0	26	0	26
TOTAL	**1**	**26**	**0**	**26**	**0**	**0**	**0**	**26**	**0**	**26**

Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Crop production and management										
Increasing production and productivity of crops	1	22	0	22	4	0	4	26	0	26
Commercial production of vegetables	1	23	11	34	7	2	9	30	13	43
Production and value addition										
Fruit Plants	-	-	-	-	-	-	-	-	-	-
Ornamental plants	-	-	-	-	-	-	-	-	-	-
Spices crops	-	-	-	-	-	-	-	-	-	-
Soil health and fertility management	1	29	4	33	4	1	5	33	5	38
Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Methods of protective cultivation	1	17	6	23	0	0	0	17	6	23
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	**4**	**91**	**21**	**112**	**15**	**3**	**18**	**106**	**24**	**130**
Post harvest technology and value addition										
Processing and value addition	1	13	14	27	3	4	7	16	18	34
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	**1**	**13**	**14**	**27**	**3**	**4**	**7**	**16**	**18**	**34**
Farm machinery										
Farm machinery, tools and implements	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Livestock and fisheries										
Livestock production and management	1	19	20	39	6	0	6	25	20	45
Animal Nutrition Management	1	0	26	26	0	4	4	0	30	30
Animal Disease Management	1	24	11	35	4	3	7	28	14	42
Fisheries Nutrition	-	-	-	-	-	-	-	-	-	-
Fisheries Management	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	**3**	**43**	**57**	**100**	**10**	**7**	**17**	**53**	**64**	**117**
Home Science										
Household nutritional security	1	0	32	32	0	7	7	0	39	39
Economic empowerment of women	-	-	-	-	-	-	-	-	-	-
Drudgery reduction of women	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	**1**	**0**	**32**	**32**	**0**	**7**	**7**	**0**	**39**	**39**
Agricultural Extension										
CapacityBuilding and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	**9**	**147**	**124**	**271**	**28**	**21**	**49**	**175**	**145**	**320**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Commercial floriculture	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Commercial vegetable production	-	-	-	-	-	-	-	-	-	-
Integrated crop management	-	-	-	-	-	-	-	-	-	-
Organic farming	1	15	0	15	0	0	0	15	0	15
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	**1**	**15**	**0**	**15**	**0**	**0**	**0**	**15**	**0**	**15**
Post harvest technology and value addition										
Value addition	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Livestock and fisheries	-	-	-	-	-	-	-	-	-	-
Dairy farming	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Poultry farming	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Income generation activities										
Vermicomposting	-	-	-	-	-	-	-	-	-	-
Production of bio-agents, bio-pesticides,	-	-	-	-	-	-	-	-	-	-
bio-fertilizers etc.	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery	-	-	-	-	-	-	-	-	-	-
and implements	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Nursery, grafting etc.	1	15	0	15	0	0	0	15	0	15
Tailoring, stitching, embroidery, dying etc.	-	-	-	-	-	-	-	-	-	-
Agril. para-workers, para-vet training	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	**1**	**15**	**0**	**15**	**0**	**0**	**0**	**15**	**0**	**15**
Agricultural Extension	-	-	-	-	-	-	-	-	-	-
Capacity building and group dynamics	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Grand Total	**2**	**30**	**0**	**30**	**0**	**0**	**0**	**30**	**0**	**30**

Details of trainings organized under ASCI

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-

3.5. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	1602	1602	0	1602
Diagnostic visits	12	151	6	151
Field Day	7	239	0	239
Group discussions	-	-	-	-
KisanGhosthi	31	697	0	697
Film Show	11	448	0	448
Self -help groups	-	-	-	-
Kisan Mela	-	-	-	-
Exhibition	1	1450	9	1450
Scientists' visit to farmers field	173	173	0	173
Plant/animal health camps	-	-	-	-
Farm Science Club	-	-	-	-
Ex-trainees Sammelan	-	-	-	-
Farmers' seminar/workshop	-	-	-	-
Method Demonstrations	-	-	-	-
Celebration of important days	5	748	14	748
Special day celebration	1	68	0	68
Exposure visits	-	-	-	-
Khedut Shibir	22	503	0	503
Night Camp	13	269	0	269
Total	**1878**	**6348**	**29**	**6348**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	-
Extension Literature	4
Newspaper coverage	4
Popular articles	1
Radio Talks	1
TV Talks	
Animal health amps (Number of animals treated)	
Others (pl. specify)	
Total	**10**

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

Production of Seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals						
	Wheat	GJW-463	-	34.0	-	-
Oilseeds						
	Groundnut (Breeder)	GG-20	-	57.9	-	-
		GJG-22	-	6.6	-	-
		GJG-17	-	13.1	-	-
Total	-	-	-	**111.6**	-	-

Production of Planting Materials by the KVK

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Vegetable seedlings						
	Brinjal	GJB-2; GJB-3	-	4000	2000/-	103
	Tomato	JT-3	-	3000	1500/-	82
Total	-	-	-	**7000**	**3500/-**	**185**

Production of Bio-Products

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

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals				
Cows	-	-	-	-
Buffaloes	-	-	-	-
Calves	-	-	-	-
Others (Pl. specify)	-	-	-	-
Poultry				
Broilers	-	-	-	-
Layers	-	-	-	-
Duals (broiler and layer)	-	-	-	-
Japanese Quail	-	-	-	-
Turkey	-	-	-	-
Emu	-	-	-	-
Ducks	-	-	-	-

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

4. Literature Developed/Published (with full title, author & reference)

A. KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)

Date of start - 01/04/2018
Periodicity - Quarterly
No. of copies - e-News Letter

B. Literature developed/published

Item	Title	Authors name	Number
Research papers	Population dynamics of termites in groundnut in relation to abiotic factors	A.L.Gohi, M.K.Kanani, J.V.Chovatia & V.M.Savaliya	ISSN – 2349-8234 NAAS – 5.21
Technical reports	SAC; ZREAC & AGRESCO	-	-
News letters	KVK e-News Letter	-	-
Technical bulletins	-	-	-
Popular articles	*Krushi Pakoma Bij Mavjat*	D.N.Hadiya, R.K.Odedra & H.A.Patel	-
Extension literature	*Manushyni Tandurashtima Fal ane Shakbhajinu Mahatv*	D.S.Thakar, H.A.Patel & R.K.Odedra	-
	Aaharma Katolnu Mahatv	D.S.Thakar & R.K.Odedra	-
	Khadhy Padarthono Sangrah ane Teni Janvani	D.S.Thakar & R.K.Odedra	-
	Gramin Mahilao Mate Kitchen Garden	D.S.Thakar & R.K.Odedra	-
Abstract	Study on awareness of farmers about use of biofertilizers & biopesticides in adopted and non adopted villages of KVK in Porbandar district	R.K.Odedra, J.V.Chovatia & V.M.Savaliya	Souvenir of SEEG-2018
	Population dynamics of termite in groundnut in relation to climate change	M.K.Kanani, A.L.Gohil & V.M.Savaliya	Souvenir of SEEG-2018
TOTAL			

C. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette) and Video Clippings developed	Title of the programme	Number
-	-	-	-

D. Success Stories / Case studies, if any (two or three pages write-up on each case with suitable action photographs: The Success Stories / Case Studies need not be restricted to the reporting period). At this point please give titles of the success stories/ case studies. Detailed case study documents may be given at the end as an Annexure.

Success Story – 1

Title – More Income Through Crop Diversification

Farmers Name – Shri Nagabhai Devabhai Sundavadara

Address - At - Degam, **Ta/Di** – Porbandar

Age - 37 yr

Education - 5th Std.

Land - 1.5 ha

Shri Nagabhai Devabhai Sundavadara is native of small village Degam in Porbandar district. He is innovative and progressive farmer. He is in contact with KVK – Porbandar since last 8 years.

Technology

In *kharif*- 2018 rainfall in porbandar district was very low and erratic. The main crop of the district was groundnut; which production was low due scarcity in rainfall. Moreover, the price of the produce was not satisfactory.

So, Shri Nagabhai tried on growing new crop on his field. He had grown isabgul in his field last year in one hector area. From these area; he get 1620 kg of total production. Sold his produce in Gondal APMC and get price of ` 7000/- per quintal. So, through crop diversification he get ` 1,13,400/- total income. The cost for cultivation of isabgul was ~ ` 27,000/-.

So, through the crop diversification; he set a good example to other farmers that how to get more income.

Success Story – 2

Title - Income Generation Through Handi Craft

Name - Kumari Minaben Dayabhai Taraiya

Address - At- Palkhada, **Ta / Di** – Porbandar

Education - M.A.

Age - 25 yr

Kumari Minaben was participated in every activities of KVK. She is active farmwomen and eager to know new possibilities of income generation through small scale industries/*Gruh Udhyog.*

Technology

Kumari Minaben was active in farming and helped his father in farming various practices. From last two years she made show piece, *Toran, Jula* etc. hand crafted items at home and sell locally from home to others. She also make stall in *Krishi Mela* and sell her various items through it. KVK – Porbandar also

create whatsapp group of women and published her items and contact no. in the group; so she gets more customers for her items. She earns nearly ` 3000/- per month as a regular income through this handcrafting.

Impact

Through this handicraft work, Kumari Minaben Taraiya set an ideal example of income generation at home to another women of her village as well as Porbandar district.

<u>Success Story</u> - 3

Title – Higher Production by Use of Drip Irrigation in Chili

Farmers Name – Shri Pratapbhai Jodhbhai Sundavadara
Address - At - Degam, **Ta/Di** – Porbandar
Age - 36 yr
Education - 10th Std.
Land - 2.0 ha

Shri Pratapbhai Jodhabhai Sundavadara was innovative and progressive farmer of Degam village of Porbandar district. Despite of his low education; he was eager to try new and innovative technologies in his farm. He was actively participated in different KVK activities.

Technology

Shri Pratapbhai Sundavadara grown summer chili on his farm with the use of drip irrigation system. The mostly other chili growers use surface irrigation method. He sown chili in 0.4 ha area. He follows regular management practices for chili production. He get 21,600 kg of total production (green chili) from his farm. He get ~ ` 1,75,000/- of net income through this crop.

E. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

Higher Production through Improved Package of Practices

Farmers Name – Shri Dilipbhai Naranbhai Mokariya
Address - At – Madhavpur (Ghed), **Ta/Di** – Porbandar
Age - 31 yr
Education - 7th Std.
Land - 2.0 ha

Shri Dilipbhai Mokariya is a farmer of Madhavpur (Ghed) village of Porbandar district. He is low educated and has small land holding but he tries new technologies on his farm and adopt them easily than others.

In Ghed area of Porbandar district, many farmers depend upon rainfed farming. They take chickpea as an unirrigated crop. Largely, they used older varieties of chickpea like Digvijay. They don’t apply seed

treatment before sowing. So, KVK- Porbandar give FLDs on chickpea to aware farmers for adopt new technologies.

New technology was provided to farmer by KVK as per under.

Variety : GJG-3 (Chickpea)

Improved variety seeds: 30 Kg

Bio fertilizer : *Rhizobium* + P.S.B. (500 ml each)

Bio agent : H.N.P.V. – 250 ml

Moreover, the institute suggests him to apply seed treatment with carbendazim @ 3.0 g /kg seed to improve the germination & plant stand. Also, suggest him to apply interculture operation 2 times and provide supplementary irrigation to crop. Which, ultimately improves plant growth and increase yield as compared to traditional practice followed by the farmer.

He take 13.60 % higher yield than check variety and ultimately get net return ` 9620/- higher than check.

Comparison table between old and new technology

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	13.82	15600	55280	39680	3.54
Demonstration	15.70	13500	62800	49300	4.65
% Increase	13.60	-	-	24.23	-

F. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
-	-	-	-

5.1. Indicate the specific training need analysis tools/methodology followed for

A. Practicing Farmers

a) Nil

B. Rural Youth

a) Nil

C. In-service personnel

a) Nil

5.2. Indicate the methodology for identifying OFTs/FLDs

For OFT:

i) Field level observations

For FLD:

i) New variety/technology

ii) Poor yield at farmers level

iii) Existing cropping system

5.3. Field activities

i. Name of villages identified/adopted with block name (from which year) - 2018-19

Sr No	Taluka	Name of the block	Name of the village
1	Porbandar	Cluster I	Khapat Palkhada Rinavala Kuchhadi Degam
2	Ranavav	Cluster II	Ramgadh Aaditpara Doltgadh Daiyar Pipliya
3	Kutiyana	Cluster III	Choliyana Sindhpur Frer Gokran Hamadpara

ii. No. of farm families selected per village :
iii. No. of survey/PRA conducted : 15
iv. No. of technologies taken to the adopted villages : 21
v. Name of the technologies found suitable by the farmers of the adopted villages: -
vi. Impact (production, income, employment, area/technological– horizontal/vertical): -
vii. Constraints if any in the continued application of these improved technologies: -

5.4 . No. and Name of villages adopted for Doubling Farmers Income. Indicate whether benchmark survey of the villages are done or not.

Total 5 Villages selected for Doubling the Farmers Income. Benchmark survey of villages as well as farmers were already done

1. Degam
2. Khapat
3. Choliyana
4. Ramgadh
5. Hamadpara

6. LINKAGES

A. Functional linkage with different organizations

Name of organization	Nature of linkage
1 State department of Agriculture	Most of organizations are members of Scientific Advisory Committee of this KVK and have linkage with different mandatory activities conducting training programmes and demonstration on implements, Khedut Shibir, Kishan Gosthy, Field Day and Vocational Trainings, Sponsored trainings, contribution received for infrastructural development etc.
District Agriculture Officer	
ATMA	
Deputy Director, FTC	
Dy. Director of Agriculture (Extension)	
Dy. Director of Horticulture	
Dy. Director of Animal husbandry	
Asstt. Director of Fisheries	
2. Asstt. Conservator of Forest	
3. Taluka purchase and sales Union (Porbandar, Kutiyana, Ranavav)	
4. State Bank of India	
5.DWDU, Porbandar	
6.Doordarshan Kendra	Dissemination of activities

7.All India Radio	

B. List special programmes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
-	-	-	-

C. Details of linkage with ATMA

a) Is ATMA implemented in your district - **Yes**

Coordination activities between KVK and ATMA

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks
01	**Meetings**	-	**2**	**0**	-
02	**Research projects**	-	-	-	-
03	**Training programmes**	Farmres, Farmwomen & Rural Youth	**6**	**2**	-
04	**Demonstrations**	-	-	-	-
05	**Extension Programmes**				
	Kisan Mela	Farmres, Farmwomen & Rural Youth	**1**	**0**	-
	Technology Week	Farmres, Farmwomen & Rural Youth	**0**	**1**	-
	Exposure visit	-	-	-	-
	Exhibition	Farmres, Farmwomen & Rural Youth	**1**	**0**	-
	Soil health camps	-	-	-	-
	Animal Health Campaigns	-	-	-	-
	Others (Pl. specify)	-	-	-	-
06	**Publications**				
	Video Films	-	-	-	-
	Books	-	-	-	-
	Extension Literature	Farmres, Farmwomen & Rural Youth	**2**	**4**	-
	Pamphlets	-	-	-	-
	Others (Pl. specify)	-	-	-	-
07	**Other Activities** (Pl.specify)				
	Watershed approach	-	-	-	-
	Integrated Farm Development	-	-	-	-
	Agri-preneurs development	-	-	-	-

D. Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Constraints if any
-	-	-	-	-	-

E. Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
-	-	-	-	-	-

F. Details of linkage with RKVY

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
-	-	-	-	-	-

7. Convergence with other agencies and departments –

Sr. No.	Name of organization
1	District Agriculture Officer
2	ATMA
3	Deputy Director, FTC
4	Dy. Director of Agriculture (Extension)
5	Dy. Director of Horticulture
6	Dy. Director of Animal husbandry

8. Innovator Farmer's Meet

Sl.No.	Particulars	Details
	Have you conducted Farm Innovators meet in your district?	No
	Brief report in this regard	-

9. Farmers Field School (FFS)

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.	Brief report
-	-	-	-	-

10.1. Technical Feedback of the farmers about the technologies demonstrated and assessed

- INM in groundnut increased production as well as the quality
- Micronutrients and IPM improves the growth and yield of cotton
- Creating awareness among the farmers & farm womens about improved/high yielding varieties of the related crops
- Leads the farmers from traditional agriculture to scientific & sustainable agriculture by the use of recommended/improved package of practices and ultimately reduce the cost of cultivation
- Make the farmers aware about Integrated Pest & Disease Management by the proper use of insecticide/fungicides.
- INM in wheat was better than farmers' practices
- An improved variety particularly of chick pea GJG-3 is good and can give its potential yield with proper management practices.
- If the seeds of the new varieties are generously available through Govt. Agencies, they are interested in sowing of demonstrated improved varieties.
- Micro nutrients in Cotton and groundnut can enhance the growth and increase production.
- IDM in cumin reduce the pesticides consumption and reduce the cost of cultivation
- Use of Trichoderma in groundnut is the best technology to control stem rot.

10.2. Technical Feedback from the KVK Scientists (Subject wise) to the research institutions/universities

1. Horticulture

- In Coriander, variety GC-2; seed shattered at the time of harvesting.

2. Plant protection

- In the field where coriander was grown; on next season in same field there were problem in growing of cumin (Severe problem of wilt).
- In the field of cumin, some plants change color to purple and they remain standing until crop harvested.
- Efficacy of newer technical of pesticides, fungicides and herbicides should be tested and recommended if possible.

3. Plant breeding &Genetics

- Certified seed of latest groundnut varieties should be made available to the farmers.
- To develop Groundnut digger and combined harvester of groundnut if possible.

4. Home Science

- To develop the machineries and tools for reduce the drudgery for farm women.
- To develop models of urban agriculture to ensure food and nutritional security.
- To develop package of practices for organic management of pest and disease in kitchen gardening vegetables.

11. Technology Week celebration during 2018-19: Yes

Period of observing Technology Week : **From**-24/09/2018 **to**- 29/09/2018
Total number of farmers visited : 363
Total number of agencies involved : 4
Number of demonstrations visited by the farmers within KVK campus:

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies	-	-	
Lectures organized	35	363	Groundnut production technologies
Exhibition	1	44	Improved Farm Implements
Film show	5	363	Value addition; IPDM in groundnut
Fair	-	-	-
Farm Visit	6	363	Crop Cafeteria; Varieties of groundnut grown
Diagnostic Practicals	2	76	-
Supply of Literature (No.)	-	570	-
Supply of Seed (q)	-	-	-
Supply of Planting materials (No.)	-	1500	-
Bio Product supply (Kg)	-	-	-
Bio Fertilizers (q)	-	-	-
Supply of fingerlings	-	-	-
Supply of Livestock specimen (No.)	-	-	-
Total number of farmers visited the technology week	-	363	-

12. Interventions on drought mitigation (if the KVK included in this special programme)
A. Introduction of alternate crops/varieties

State	Crops/cultivars	Area (ha)	Number of beneficiaries

-	-	-	-

B. Major area coverage under alternate crops/varieties

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

C. Farmers-scientists interaction on livestock management

State	Livestock components	Number of interactions	No.of participants
-	-	-	-
-	-	-	-
Total	-	-	-

D. Animal health camps organized

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

E. Seed distribution in drought hit states

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

F. Large scale adoption of resource conservation technologies

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

G. Awareness campaign

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

13. IMPACT

A. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

B. Cases of large scale adoption- full cases may be given at the end as Annexure.

(Please furnish detailed information for each case and)

C. Details of impact analysis of KVK activities carried out during the reporting period

14. Kisan Mobile Advisory Services

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
April 2018	-	-	-
May	-	-	-
June	-	-	-
July	-	-	-
August	-	-	-
September	-	-	-
October	-	-	-
November	-	-	-
December	-	-	-
January 2019	-	-	-
February	-	-	-
March	-	-	-

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
	Text only	-	-	-	-	-	-	-
	Voice only	-	-	-	-	-	-	-
	Voice & Text both	-	-	-	-	-	-	-
	Total Messages	-	-	-	-	-	-	-
	Total farmers Benefitted	-	-	-	-	-	-	-

15. PERFORMANCE OF INFRASTRUCTURE IN KVK

A. Performance of demonstration units (other than instructional farm including value added products)

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Crop Cafeteria	*Kharif* & *Rabi* season	-	14 varieties of *Kharif* crops & 12 varieties of Rabi crops	-	-	-	-	Demonstration purpose
2	Poly house/Net house	2008-09	-	GJB-2, GJB-3 , JT-3	Sapling	7000	-	3500/-	Selling / Demo purpose
3	Vermi-composting Unit	2009	-	-	Vermi-compost	135 kg	-	Used in poly house	Demonstration purpose
4	Ornamental fish production unit	2016-17	-	Five types of fish	Fingerlings	2000	3000/-	-	Demonstration purpose

5	Rain water harvesting structure	2009-10	-	-	-	-	-	-	Demonstration purpose
6	Solar pump	2013-14	-	-	-	-	-	Used in poly house & farm	Demonstration purpose

B. Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.in lakh)		Remarks
				Variety	Type of Produce	Qty. (q)	Cost of inputs	Gross income	
Cereals									
Wheat	17/11/18	07/03/18	1.0	GJW-463	Foundation	34.0	0.08	-	-
Oilseeds									
Groundnut	23-24/7/18	29-30/10/18	10.0	GG-20	Breeder	57.9	3.89	6.65	
	23-24/7/18	29-30/10/18	2.0	GJG-17	Breeder	13.1		1.72	
	23-24/7/18	29-30/10/18	1.0	GJG-22	Breeder	6.6		0.84	

C. Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
-	-	-	-	-	-
-	-	-	-	-	-

D. Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

E. Utilization of hostel facilities

Accommodation available (No. of beds): 30

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2018	-	-	-
May 2018	-	-	-
June 2018	-	-	-
July 2018	-	-	-
August 2018	-	-	-
September 2018	-	-	-
October 2018	-	-	-
November 2018	-	-	-
December 2018	-	-	-
January 2019	-	-	-
February 2019	-	-	-

March 2019	-	-	-

F. Database management

S. No	Database target	Database created
-	-	-

G. Details on Rain Water Harvesting Structure and micro-irrigation system

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		
-	-	5.0 ha micro sprinkler	2	2	-	103	03	-	10 ha

16. FINANCIAL PERFORMANCE

A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	-	-	-	-	-	-	-
With KVK	SBI, Porbandar	Porbandar	000456	Training Organizer, KVK, Khapat – porbandar	10250767705	360002121	SBIN0000456

B. Utilization of KVK funds during the year 2018-19 (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	70.00	70.00	51.09
2	**Traveling allowances**	0.40	0.40	0.34
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	4.50	4.50	4.50
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	3.60	3.60	3.55
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
TOTAL (A)		**78.50**	**78.50**	**59.48**
B. Non-Recurring Contingencies				
1	**Works**	-	-	-
2	**Equipments including SWTL & Furniture**	-	-	-
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	-	-	-
4	**Library** (Purchase of assets like books & journals)	-	-	-
TOTAL (B)		-	-	-
C. REVOLVING FUND		74.75	0	26.01
GRAND TOTAL (A+B+C)		**153.25**	**78.50**	**85.49**

C. Status of revolving fund (Rs. in lakh) for the three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2016 to March 2017	41.76	21.29	25.45	37.60
April 2017 to March 2018	37.60	44.35	47.99	33.96
April 2018 to March 2019	33.96	40.49	26.01	48.44

17. Details of HRD activities attended by KVK staff during year

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. R. K. Odedra	Senior Scientist & Head	Annual Zonal Work Shop of KVK	MPKV, Rahuri, Maharashtra	5th to 7th May, 2018
Mrs. D.S.Thakar	Scientist	International Workshop on Nutrition Sensitive Agriculture & Nutrition Literacy	Bhopal, Madhya Pradesh	14th to 16th May, 2018
V.M. Savaliya	Scientist	Designing Farming Systems for Enhancing Income & Resilience in Low Rainfall Areas under Climate Change Scenario	CAZRI, Jodhpur	28th August to 17th September, 2018
V.M. Savaliya	Scientist	Workshop cum Training on CFLDs on Pulses and Oilseeds 2018-19	Lokbharti, Sanosara	7th to 9th January, 2019
Mrs. D.S. Thakar	Scientist	*Gau Adharit Sajiv Kheti*	Gujarat Vidhyapith, Ahmedabad, (Guj)	18th February, 2019
Dr. H.A. Patel	Scientist	Relevance of Feed Processing Technologies to Improve the Economics of Livestock Farming	IVRI, Izzatnagar (U.P.)	20th February to 12th March, 2019

18. List the other collaborative research/ extension projects and also write brief key achievements of the projects.

- Pro SOIL
- NARI (Please indicate the name of one adopted village and give the activities carried over on nutri sensitive agriculture)
- VATICA
- Seed Hub
- Others (if any)

19. Please include any other important and relevant information which has not been reflected above

A. Implementation of ATIC

i. Trainings: Under Agricultural Technology Information Centre (ATIC) project, Eight training programmes were organized.

Details	No. of courses	General			SC/ST			Total		
		M	F	T	M	F	T	M	F	T
Trainings on improved agricultural Technologies	8	112	34	146	32	13	45	144	41	191

ii. FLDs

Crop/ Variety	Area (ha)	No. of Demonstration	Results
Groundnut – Bioagent (Savaj *Trichoderma*)	4.0	10	11.8 % yield increase
Groundnut – Improved var. – GJG-22	4.0	10	12.4 % yield increase
Wheat-Improved variety – GJW-463	4.0	10	15.4 % yield increase

iii. Other Activities

Sr No	Activity	No.	No. of Participants
1	Video/film show	4	97
2	Helpline/Advisory	-	322

B. Celebration of "*Mahila Sashktikaran Pakhvada*"

On behalf of "*Mahila Shashktikaran Pakhvada*"; *Mahila Divas* was celebrated at KVK- Porbandar on 06th August,2018. Dr.A.R. Pathak, Vice chancellor, JAU, Junagadh; Mr.M.A.Pandya, Collector, Porbandar; Mr.Ajay Dahiya, DDO, Porbandar, Dr. V.P. Chovatia, DR, JAU, Junagadh remained present on this ocassion. Total 76 farmwomen were participated in this programme. They make aware for their role in our society; their rights; drudgery reduction etc. subjects.

C. Celebration of *Parthenium* Awareness Week

The *Parthenium* Week was celebrated at Krishi Vigyan Kendra from 17th August to 22nd August, 2018. During this week farmers & farmwomen who visited the KVK were aware about the grass and its negative effects on our agriculture system. The students studied at College of Agriculture, Porbandar were also be aware about this *Parthenium* Grass.

D. Celebration of Technology Week

A Technology week was celebrated on groundnut in current year during 24th September to 29th September, 2018 with a view to provide an opportunity to show the worth of the technologies through seminars and live demonstration and to boost up technology transfer. During the week, different improved technologies of groundnut right from the land preparation and sowing to harvesting and post harvest technologies up to marketing were demonstrated live or discussed thoroughly in the seminars During the week total 363 farmers (238 farmers + 125 farm women) have participated in seminar and discussion. Director, Extension Education; Dr. P.V. Patel also remained present in the programme on 26th September and interacted with participants.

Farmers interacted with the KVK Scientists very interestingly and major problems and their solution in groundnut cultivation were conversed in discussion session.

E. Celebration of Vigilance Awareness Week

"Vigilance Awareness Week" was celebrated at KVK during 29th October to 3rd November, 2018. KVK & COA staff were participated in vigilance awareness activities. During this week, various vigilance awareness activities were carried out like display the banner of Vigilance Awareness Week; Debate competition about corruption & its various effects on our economy; Pledge taking by staff etc.

F. Celebration of Swachhta Pakhvada

Two ***Swachhta Pakhwada***was celebrated. First from 16th September to 2nd October,2018 & second one from 16th to 31st December, 2018 at Krishi Vigyan Kendra, Porbandar. In this event, daily *Swachhta* related activities were done on different aspects. Staff of Krishi Vigyan Kendra & College of Agriculture, Porbandar were participated in this activities. On this event various activities like display banner of *Swachhta Pakhwada* at public place in Porbandar; cleaning of office & its premices; sanitation drive at nearby village Khapat; drawing competition among rural youth etc. were organized. Farmers & farmwomen were aware about *Swachhta* Mission & its importance on every event organized at KVK, Porbandar.

G. Celebration of *Mahila Kisan Divas*

"Mahila Kisan Divas" was celebrated at Krishi Vigyan Kendra, JAU, Porbandar on date-15th October, 2018. On this occasion, Shri Nileshbhai Mori, President, Jilla Panchayat, Porbandar & Shri Virambhai Karavadra, Board Member, Kamdhenu University, Gandhinagar. They admire women with their speeech. Local women leader Smt. Gitaben Dhanki was also remained present on this occasion. On this occasion, drawing competition & recipe competition also arranged and many women participated in this. Total 92 women participated in this whole programme.

H. Celebration of World Soil Health Day

"World Soil Health Day" was celebrated at Krishi Vigyan Kendra, JAU, Porbandar on 5th December, 2018. This event was celebrated with co-ordination of ATMA, Porbandar and Department of Agriculture, Porbandar. Shri. M.A.Pandya, Collector, Porbandar; Shri Vijay Dahiya, DDO, Porbandar; Shri. Nileshbhai Mori, President, Jilla Panchayat, Porbandar; Shri, J.N. Parmar, DAO, Porbandar; Shri R.S.Gohil, Dy. DAO (Training), FTC, Porbandar and ATMA staff of the district remain present. Total 150 farmers & farmwomen participated in this event. On this occasion, soil health card was distributed to the farmers and various lectures on soil fertility and its health was delivered by COA & KVK staff of this campus.

I. Krishi Mela Pradarshan and Pak Parismvad

Krishi Mela Pradarshan & Pak Parisamvad was organized on 11th January, 2019 at KVK, Porbandar in association with ATMA, Porbandar & Department of Agriculture, Porbandar. Shri M.A.Pandya, Collector, Porbandar; Shri Vijay Dahiya, DDO, Porbandar and other staff from DAO, Porbandar remained present on this ocassion. An Exhibition was organized on this ocassion. More over, vegetable & fruit competition was also organized by Department of Horticulture. Scientists from KVK take lectures on various aspects of agriculture viz., recent trends, organic farming etc. Winner of vegetables and fruit competition were awarded by certificate. Total 1450 farmers as well as farm women visited the exhibition.

J. Pradhan Mantri Kisan Samman Nidhi

Hon. member of legeslative assembly Mr. Babubhai Bokhiriya, chairman sardar patel cooperative water conservation scheme Bharatbhai Boghara, Presidet Jilla panchayat porbandar, District Magistrate, district development officer and members of PRI also remain present during this event. 385 farmers, farm womens and rural youth attended this event.

K. Activities conducted under Mera Gaun Mera Gaurav (MGMG)

Under MGMG, 10 villages of Porbandar district has been selected for different extension activities. Two teams of KVK, Khapat is working and each team has five villages. The activities conducted are given below.

Sr No	Quarter	Visit to village		Meetings/*Gosthis* organised	
		No.	Participants	No.	Participants
1	April to June 2018	10	260	4	260
2	July to Sept. 2018	9	318	9	216
3	October to Dec. 2018	8	146	8	162
4	January to Feb. 2019	6	164	6	164

L. Technology Products produced by JAU provided to the farmers

Different technology products like bioagents, biofertilizers and pheromone traps produced by Junagadh Agricultural University has been provided to the farmers of Porbandar district for control of pest and diseases of groundnut and cotton. The details of technology products disseminated are given below.

Sr No	Technology Product	Quantity disseminated	Amount
1	Savaj *Beuvaria basiana*	2561	3,84,150
2	Savaj *Trichoderma*	12,700	8,89,000
3	Savaj *Rhizobium* culture	120	7200
4	Savaj PSB culture	120	7200
		Total	**12,87,550**

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	27	559	284	843
Rural youths	4	58	68	126
Extension functionaries	1	26	0	26
Sponsored Training	9	175	145	320
Vocational Training	2	30	0	30
Total	**43**	**848**	**497**	**1345**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	35	14	-
Pulses	40	16	-
Cereals	55	22	-
Vegetables	10	4	-
Other crops	25	10	-
Hybrid crops	-	-	-
Total	**165**	**66**	**-**
Livestock & Fisheries	40	-	40
Other enterprises	100	10	-
Total	**140**	**10**	**40**
Grand Total	**305**	**76**	**40**

3. Technology Assessment

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Technology Assessed			
Crops	2	2	6
Livestock	2	2	20
Various enterprises	1	1	5
Other	-	-	-
Total	**5**	**5**	**31**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	286	4746
Other extension activities	1602	1602
Total	**1888**	**6348**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke -ting	Aware -ness	Other enterprise	Total
	Text only	-	-	-	-	-	-	-
	Voice only	-	-	-	-	-	-	-
	Voice & Text both	-	-	-	-	-	-	-
	Total Messages	-	-	-	-	-	-	-
	Total farmers Benefitted	-	-	-	-	-	-	-

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	111.6	920700
Planting material (No.)	7000	3500
Bio-Products (kg)	-	-
Livestock Production (No.)	-	-
Fishery production (No.)	-	-

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	104	33600
Water	89	4650
Plant	-	-
Total	**193**	**38250**

8. HRD and Publications

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