Krishi Vigyan Kendra, Junagadh Agricultural University, Amreli DETAILS OF ACTION PLAN OF 2019-20 (1st April 2019 to 31st March 2020)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address with PIN code	Telep	hone	E mail	Website	
	Office	FAX		address & No. of visitors (hits)	
Senior Scientist and Head Krishi Vigyan Kendra, Junagadh Agricultural University, Keriya Road, Model farm, Amreli (Gujarat)-365601	02792 227122	02792 227122	kvkamreli@gmail.com	-	

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

Address	Telephone		E mail	Website
	Office	FAX		address
Junagadh Agricultural University,	0285	0285		
Agril. Campus, Motibaugh,		2672004	-	www.jau.in
Junagadh-362001 (Gujarat)	2672080-90	2672653		

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

Name	Telephone / Contact			
	Office	Mobile	Email	
Dr. N. S. Joshi	02792	0429101062	nilashiosh:0207@amail.com	
Ph.D, Horticulture	227122	9428191963	nileshjoshi2207@gmail.com	

1.4. Year of sanction: Deputy Secretary, ICAR, New Delhi, Letter No. 13-16/2003/1, Dt. 7.12.2004

1.5. Staff Position (as on March, 2019)

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Current Pay Band	Current Grade Pay	Date of joining
1.	Senior Scientist and Head	Dr. N. S. Joshi	Horticulture	37400-67000	9000	24/03/2015
2.	Scientist	Er. P. S. Jayswal	Agriculture Engineering	15600-39100	6000	10/09/2012
3.	Scientist	Dr. Neha Tiwari	Home Science	15600-39100	6000	01/04/2013

4.	Scientist	Dr. M. L. Patel	Plant Protection	15600-39100	6000	31/03/2015
5.	Scientist	Mr. P. J. Prajapati	Crop Production	15600-39100	6000	31/03/2015
6.	Scientist	Vacant	Animal Science			
7.	Agriculture officer	Miss K.K Gadhiya	Plant pathology	09300-34800		30/07/2018
8.	Computer Programmer	Shri S .N. Joshi		39900- 126600		01/07/2010
9.	Farm Manager	Shri S.G Baria	Agriculture	09300-34800		30/07/2018
10.	Accountant/ Superintendent	Shri H. J. Ravaliya		39900- 126600		01/12/2011
11.	Stenographer	Shri A. H. Parmar		28376		18/11/2013
12.	Driver 1	Vaccant				
13.	Driver 2	Vacant				
14.	Supporting staff 1	Vacant				
15.	Supporting staff 2	Vacant				

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	3.00
2.	Under Demonstration Units	1.00
3.	Under Crops	12.5
4.	Horticulture and Herbal garden	0.50
5.	Pond	1.0
6.	Others if any (polytechnic home science college)	1.0
	Total	19

1.7. Infrastructural Development:

A. Buildings

		a		Sta	age	
S.	Name of building	Source of		Complete		
No.	Name of building	funding	Completion		Zapenanure	Incomplete
		-	Year	(Sq.m)	(Rs.)	
1.	Administrative Building	ICAR	2008	500	3190000	
2.	Farmers Hostel	ICAR	2008	305	2088000	
3.	Staff Quarters(6)	ICAR	2008	400	3204000	
4.	Farm Wall	ICAR	2008	-	-	
5	RWH system	ICAR	2008	-	960000	
6	Threshing yard	ICAR	2009	-	-	
7	Godown and processing shed	RKVY	2009	70.62	500000	
8	Poly House	RKVY	2010	320	281600	NIL
9	Net House	RKVY	2010	150	64450	INIL
10	Training hall	RKVY	2010	190.99	1396300	
11	Pilot scale Process plant	RKVY	2010	197.31	1536400	
12	Implement shed	RKVY	2010	77.33	286300	
13	Farm Wall	ICAR	2016	-	497475	
14	Goat Shed	ICAR	2016	14.05	69760	
15	Vermicompost unit	ICAR	2016	45	73640	
16	Administrative building(Renovation)	ICAR	2017	-	300000	

B. Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
M&M, Bolero XL	2006	4,86,500	276000	Not good condition
Tractor	2005	3,80,000		Working condition
Motor Cycle	2010	42,831	17750	Working condition
Power Tiller with implements	2011	1,42,000		Working condition
Mini Tractor with implements	2014	3,74,820		Working condition

C. Equipments & AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
Digital camera	2008-09	11070	Working condition
Air assisted blast type sprayer	2008-09	98750	Working condition
Vacuum cleaner, RO, water cooler	2008-09	41780	Working condition
Samsung A/C, Nos2	2008-09	47300	Working condition
Fax machine	2008-09	17500	Working condition
LCD projector	2008-09	98799	Working condition
Winnowing fan	2008-09	8500	Working condition
Chaff cutter	2008-09	30188	Working condition
Plasma TV, Nos2 (21 and 52")	2008-09	139952	Working condition
Cotton stock shredder-Nos3	2008-09	363000	Working condition
Spiral binding machine	2008-09	9090	Working condition
Rotavator with cultivator, Nos2	2008-09	180000	Working condition
Inverter	2008-09	19800	Working condition
Manually operated seed dressing drum	2008-09	20930	Working condition
Exhibition display	2008-09	39974	Working condition
Decorticator groundnut machine	2008-09	98850	Working condition
Cotton shredder, Nos2	2008-09	242000	Working condition
Battery operated sprayer	2008-09	4940	Working condition
Aspee knapsack sprayer	2008-09	7400	Working condition
Bullock drawn pipe farm seed drill	2008-09	161000	Working condition
Zero till drill	2008-09	66725	Working condition
Bullock drawn clod breaker	2008-09	52000	Working condition
Tractor operated groundnut digger	2008-09	235500	Working condition
Multipurpose thresher (engine operated)	2008-09	114000	Working condition
Mobile seed processing unit	2008-09	1685000	Working condition
Electronic balance	2008-09	19425	Working condition
Power generated	2008-09	49500	Working condition
RO system	2008-09	24450	Working condition
Air condition Nos2	2008-09	51580	Working condition
Air condition, Nos3	2008-09	89970	Working condition
Photo copier	2008-09	124000	Working condition
LCD and accessories	2008-09	103912	Working condition

Oven and freeze	2008-09	30605	Working condition
Tractor drawn harrow cum cultivator	2008-09	75000	Working condition
Planter	2008-09	44000	Working condition
Rotavator	2008-09	96000	Working condition
Laptop	2008-09	47500	Working condition
Pipe frame blade harrow piece	2008-09	11000	Working condition
Solar equipments	2008-09	81830	Working condition
Gas connection for lab.	2009-10	9700	Working condition
Digital Sony Camera	2009-10	24750	Working condition
Post Whole Digger	2009-10	38000	Working condition
Motor, 1 Hp	2009-10	8650	Working condition
Power Generator	2009-10	45576	Working condition
Multi Crop thresher	2010-11	38000	Working condition
Motor 7.5 Hp	2010-11	28600	Working condition
Motor 5 Hp	2010-11	17000	Working condition
Desktop Computer	2010-11	34810	Working condition
Hot air Oven	2010-11	15215	Working condition
Hot plate	2010-11	4725	Working condition
Physical Balance	2010-11	3623	Working condition
Refrigerator	2010-11	19200	Working condition
PH meter	2010-11	3990	Working condition
Conductivity bridge	2010-11	9450	Working condition
Chemical Balance	2010-11	45066	Working condition
Shaker-2 no.	2010-11	49000	Working condition
Flame Photometer	2010-11	44887	Working condition
Spectrophotometer	2010-11	39480	Working condition
Water Distillation Still	2010-11	1,57,500	Working condition
Seed Drill	2010-11	27500	Working condition
Winnower	2010-11	37000	Working condition
Disc Plow	2012-13	30400	Working condition
Disc Harrow	2012-13	37500	Working condition
Nine tine Cultivator	2012-13	19600	Working condition
PC with Accessories (2 No.)	2013-14	65970	Working condition
Printer (2 No.)	2013-14	13898	Working condition

Scanner	2013-14	4309	Working condition
PC with Accessories (2 No.)	2015-16	77590	Working condition
Printer	2015-16	11900	Working condition
Rotavator (NICRA)	2015-16	70000	Working condition
Mobile shredder(NICRA)	2015-16	146000	Working condition
Chaff cutter(NICRA)	2015-16	57000	Working condition
Multi crop thresher(NICRA)	2015-16	155000	Working condition
Rear mounted reaper (NICRA)	2015-16	95000	Working condition
Digital Camera	2016-17	14400	Working condition
Desktop Computer	2016-17	34115	Working condition
Printer	2016-17	12546	Working condition
Automatic seed cum fertilizer drill(NICRA)	2016-17	66412	Working condition
Dibbler (03 nos.)	2016-17	6000	Working condition
Seed dressing drum (5 nos.) (NICRA)	2016-17	15000	Working condition
Rotavator (NICRA)	2016-17	89040	Working condition
Bund former (NICRA)	2016-17	13650	Working condition
Air conditioner (02 nos.)	2016-17	79980	Working condition
Desktop Computer	2016-17	34115	Working condition
Photo copier	2016-17	144391	Working condition
Integrated community computer	2016-17	110644	Working condition
Multi crop thresher	2017-18	187040	Working condition
Computer with UPS	2017-18	42889	Working condition

1.8. Details of SAC meetings to be conducted in the year

Sl.No. 1		Date
1. Sc	ientific Advisory Committee is not conducted yet	

2. DETAILS OF DISTRICT

S. No	Farming system/enterprise
1	Dry Farming
2	Rainfed : Cotton, Groundnut, Sesame, Black gram, Green gram, Mango, Onion
3	Agriculture – Horticulture (Mango)
4	Agriculture – Dairy
5	Agriculture – Fisheries
6	Cotton based cropping system
7	Groundnut based cropping system
8	Sesame based cropping system
9	Enterprise: Poultry, Fishery, Dairy, Vermicompost

a. Soil type

Agro-climatic Zone	Characteristics
North Saurashtra	Medium black soil, coastal alluvial soil, rocky soil and alkaline soil
Agro climatic Zone	The climate of the district varies from moderately hot throughout the year
VI	except in winter. The climate is humid along with the coastal belt. The
	temperature varies from 8.01° Celsius in January to 43.7° Celsius in May.
	The average rainfall of last three years is 550 mm.

b. Topography

S. No.	Agro ecological situation	Characteristics
1	Medium black soil with 400-700 mm rainfall	-
2	Shallow black soils with 600-700 mm rainfall	_
3	Saline - alkali (Heavy texture) soils with 500-600 mm rainfall	Saline groundwater
4	Hilly soils with 300-600 mm rainfall	Well drained soils
5	Coastal alluvial soil with medium rainfall 750-1000 mm.	Saline groundwater

2.3. Soil Types

S. No	Soil type	Characteristics
1	Medium black	Major portion of the district is covered by the medium black soil, which is considered very productive. It is rich in lime, magnesia and alumina but poor in phosphorus, nitrogen and organic matters. It can retain considerable moisture and is much suitable for agriculture.
2	Coastal alluvial	The coastal alluvial soil is found on the coastal areas of Jafrabad and Rajula. Among the whole of the coastal areas, the land is sandy. However, the soils in Rajula and Jafrabad are less productive as they are saline. The soils in the northern part of the district including Babra and parts of Kunkavav Vadia and

		Dhari talukas are shallow and rocky. Certain areas in Amreli taluka known as Kharapat are poor in cultivation; but this taluka possesses the best land along the north and the south banks of the Shetrunji.
3	Rocky soils	The soil of Dhari taluka is lighter and near the Gir forest redder. The soil on the southern part of the district is light in colour with only few fertile gradients, and in many places, it is rocky and barren.

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

S. No	Сгор	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Pearl millet	7700	112000	14.55
2	Jowar	400	4000	10.00
3	Maize	900	16000	17.78
4	Green gram	4000	20000	5.00
5	Black gram	1900	11000	5.79
6	Tur	800	8000	10.00
7	Wheat	30900	1132000	36.63
8	Gram	2400	31000	12.92
9	Kharif Groundnut	135800	1359000	10.01
10	Summer Groundnut	4900	94000	19.18
11	Kharif Sesamum	10400	34000	3.27
12	Summer Sesamum	3500	66000	18.86
13	Castor	2100	41000	19.52
14	Irrigated Cotton (Lint)	178300	6458000	36.22
15	UnIrrigated Cotton (Lint)	137600	1526000	11.09
16	Cumin	2500	13000	5.20
17	Onion	3700	1020000	275.68
18	Garlic	1700	96000	56.47
19	Chilli	100	1000	10.00

2.5. Weather data (2018-19)

Month	Rainfall	Temperature ⁰ C		Relative Humidity (%)	
INIOIIUI	(mm)	Maximum	Minimum	Maximum	Minimum
January 2018	0.0	33.4	14.3	67	26
February 2018	0.2	37.6	19.6	73	31
March 2018	0.0	41.0	22.6	68	18
April 2018	0.0	42	25.4	82	25
May 2018	13.4	43	27.5	71	21
June 2018	35.2	34.5	26.3	86	61
July 2018	282.4	30.8	25.2	92	86

August 2018	69	30.4	25.3	92	76
September 2018	12.2	32.8	22.0	93	61
Total	412.4				

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

Category	Population	Production	Productivity
Cattle		i	
Crossbred	ossbred 8700		9.351 kg/day
Indigenous	259800	133.80	4.625 kg/day
Buffalo	315500	199.51	5.158 kg/day
Sheep	135800	156.83	1.337 kg/sheep
Goats	160600	12.47	0.535 kg/day
Pigs			
Crossbred			
Indigenous			
Rabbits			
Poultry			
Hens	00	00	00
Desi	8200	5.59 lakh	127.71/season/year/layer
Category		Production (Q.)	Productivity
Fish (Reservoir)			

Source: 34th issue on estimates of major livestock products, Gujarat state

2.7. Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Lathi	Amreli	Kerala (Jogani)	Cotton, Groundnut, Cumin, wheat	 Lack of irrigation facility Poor quality of irrigation water Wild animal problem Poor fertility status of Land Low yield of major crops 	INM, IPM, Conserve moisture Agriculture, Training on MIS
Lathi	Amreli	Harsupur Devaliya	Cotton, Groundnut, Green gram, wheat	 Lack of irrigation facility Poor quality of irrigation water Wild animal problem Low yield of major crops 	INM, IPM, Conserve Moisture agriculture
Liliya	Amreli	Saladi	Cotton, Green gram	 Saline land and poor quality of irrigation water Poor fertility status of Land 	Conserve Moisture agriculture, OFT in cotton on BBF, Training on MIS
Liliya	Amreli	Jatruda	Cotton, Groundnut	 Saline land and poor quality of irrigation water Poor fertility status of Land Low yield of major crops 	INM, IPM, Conserve Moisture agriculture
Babra	Amreli	Vandaliya	Cotton, Groundnut, Cumin, Wheat	• Low viold of major group	
Kukavav	Amreli	Lunidhaar	Cotton, Groundnut, Green gram, black gram	• Low yield of major groups	
Bagasra	Amreli	Haalariya	Groundnut, cotton, Green gram, black gram	 Low yield of major crops Wild animal problem Lack of irrigation facility 	ICM, introduction of new varieties, Scientific cropping

Dhari	Amreli	Ditla	Cotton, Groundnut, Mango	Low yield of major cropsWild animal problem	ICM, introduction of new varieties, Scientific cropping
Amreli	Amreli	Babapur	Cotton, Castor, Wheat	Low yield of major cropsWild animal problemPoor quality of irrigation water	ICM, introduction of new varieties, Scientific cropping
Amreli	Amreli	Shedubhar	Cotton, Groundnut, Green gram, black gram	• Low yield of major group	
Amreli	Amreli	Vaankiya	Cotton, Groundnut, pigeon pea	Low yield of major cropsWild animal problemPoor quality of irrigation water	ICM, introduction of new varieties, Scientific cropping
Khambha	Amreli	Lakhapadar	Cotton, Groundnut, wheat, Pigeon pea	Low yield of major cropsWild animal problem	ICM, introduction of new varieties, Scientific cropping
Savar kundla	Amreli	Nesdi	Cotton, Groundnut, wheat, Pigeon pea, lemon	Low yield of major cropsWild animal problem	ICM, introduction of new varieties, Scientific cropping
Savar kundla	Amreli	Oliya	Cotton, Groundnut, wheat, Pigeon pea, lemon	Low yield of major cropsWild animal problem	ICM, introduction of new varieties, Scientific cropping
Rajula	Amreli	Maandardi	Cotton, Groundnut, wheat, Pigeon pea	Low yield of major cropsWild animal problem	ICM, introduction of new varieties, Scientific cropping

2.8. Priority thrust areas:

Crop/Enterprise	Thrust area
Cotton, Groundnut, Castor, Cumin, Wheat, vegetables, fruits, etc.	Integrated Crop Management in major crops
Farm waste	Recycling of farm waste through composting, vermicompost, green manuring, etc.
Micro irrigation	Efficient use of water by micro irrigation system, water harvesting structure, and water conservation techniques
Soil	Reclamation of saline & alkaline soils
Farm Women	Farm women empowerment by training in value addition, handicrafts, and small scale enterprises
Horticulture	Promotion of arid horticulture fruit crops
Improved Implements	Popularization of the mechanized technological know how

3. TECHNICAL PROGRAMME

3.1. A. Details of targeted mandatory activities by KVK

0	FT	FI	L D	
()	(1) (2)			
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers	
09	32	253.5	695	

Trai	ning	Extension	Activities
(.	3) (4)		
Number of Courses	Number of	Number of activities	Number of
	Participants		participants
74	2956	200	12094

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (No's)	Soil Samples
(5)	(6)	(7)	(8)
177	11000		150

S.N o.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
$ \begin{array}{c} 1\\ 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 11\\ 12\\ 13\\ 14\\ \end{array} $	Groundnut, Cotton, Sesame, Wheat, Cumin, Chickpea, Garlic, Onion, Mango, lemon Enterprises are dairy business, vermi composting,	Heavy infestation of sucking pest in cotton, pink ball worm in cotton, Sesame leaf blight, Stem rot disease in Groundnut, white grub in groundnut Mango Malformation, wilt in gram and cumin Less area under Horticultural crops	Every village of this district is facing Problem.	Kerala(Jogani) Harsupur Devaliya Saladi Jatruda Vandaliya Lunidhaar Haalariya Ditla Babapur Shedubhar Vaankiya Lakhapadar Nesdi Oliya	 IPM and INM in major crops of this area, Motivate the farmers for arid Horticultural crops. To create the awareness for grading, processing and marketing (value addition) Various OFT, FLD, trainings, extension activities were carried out. introduction of new
14				Maandardi	varieties of all crops

3.1. B. Operational areas details proposed during 2018-19

* Support with problem-cause and interventions diagram

3.2. Technologies to be assessed

	~ -	~~ -		Commercial		_		Plantation	Tuber	
Thematic areas	Cereals	Oilseeds	Pulses	Crops	Vegetables	Fruits	Flower	crops	Crops	TOTAL
Varietal			•		1		•			1
Evaluation					1					1
Seed / Plant				1	•					1
production				1						1
Weed		-								0
Management										0
Integrated Crop										0
Management										0
Integrated										
Nutrient	1				1					2
Management										
Integrated					•					^
Farming System										0
Mushroom										
cultivation										
Drudgery										0
reduction										0
Farm										
machineries										
Value addition					1	1				2
Integrated Pest		1								1
Management		1								1
Integrated										
Disease			1							1
Management										
Resource		•	•		•			•		
conservation								1		1
technology										
Small Scale		•			•					
income										0
generating										0
enterprises										
TOTAL	1		1	0	1	1	0	2	1	07

A.1. Abstract on the number of technologies to be assessed in respect of crops

A.2. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormy culture	Fisheries	TOTAL
Evaluation of Breeds		•						0
Nutrition Management								0
Disease of Management		*						0
Value Addition		•						0
Production and Management		•						0
Feed and Fodder		•	1					0
Small Scale income generating		•						0
enterprises								0
TOTAL								0

S.N.	Crop/ enterpri se	Prioritized problem	Title of OFT	Technology options	Source of Technol ogy	Name of critical input	Cost per trial	No. of trial s	Total cost for the OFT (Rs.)	Parameter s to be studied	Team membe rs
1.	Wheat	Farmers do not use Zinc	Effect of zinc on growth and yield of wheat	 Use only DAP and Urea in various dose (Farmers Practices) 2.120-60-60 NPK kg/ha (Recommended Practices) 3.120-60-60 NPK kg/ha+ZnSO4 @ 20 kg/ha as basal dose and foliar spray of ZnSO4 @ 0.5% at heading and milking stage (Intervention) 	Main Dry Farming Research Station, JAU, Targhadi a	Micro nutrient	800	3	3200	Yield	Sr. Scientis t and all scientis ts
2.	Cotton	Farmers do not adopt closer planting, there for get low cotton yield due to less soil moisture	High Density Planting in Cotton	 1.120 X 45-60 cm (18519-13888 plants/ha) (Farmers Practices) 2.90 X 30 cm (37037 plants/ha) (Var. GTHH-49 (bt)) (Recommended Practices) 	Cotton Research station, JAU, Junagadh	Cotton Seed (bt)	1600	3	4800	Yield	

B. Details of On Farm Trial / Technology Assessment during 2019-20

		and incidence of pest and disease								
3.	Sesame	Injudicious use of pesticides	Management of leaf Webber in Sesame	 1.High dose and Use of conventional Chemical pesticides (Farmers Practices) 2. One spray of <i>beuveria</i> <i>bassiana</i> @ 50gm/10 liter water and two sprays of lamda cyhalothrin 5 EC 0.005% (10 ml/10 lit. water) or emamectin benzoate 5 SG 0.0035% (7g/10 lit. water) and 2nd spray at 15 days after 1st spray) 	ARS, Amreli	Bio- Pesticides & Pesticides	1500	3	4500	Yield
4.	Ground nut	No seed treatment & Soil application of bio pesticides	Management of white grub in Groundnut	 No seed treatment & Soil application of bio pesticides Seed treatment with Chlorpyrifos 20 EC @ 25 ml/kg seed and Soil application of Metarhizium anisopliae 1.15 WP @ 5 kg/ha along with Castor cake (300 kg/ha) before sowing and drenching in plant row after 30 days of germination 	Dept. of Entomol ogy, COA, JAU, Junagadh	Bio- Pesticides & Pesticides	2000	3	6000	Yield
5.	Cotton	Decreasing productivity	Effect of method of	1. Traditional Sowing of Cotton on Flat bed (152	JAU, Junagadh	Cotton Seed,	1000	3	6000	Yield, C:B ratio and

		of Cotton due to water logging, soil salinization in salt-affected lands. Heavy mortality, difficulties in intercultural operation due to lodging.	sowing on ridges on yield of Cotton	cm apart) (Farmers Practices) 2. To prepare the field by ploughing followed by blade harrowing & planking and sow the crop on ridges (120 cm apart). (Year 2013-14, Department of Agronomy, JAU, Junagadh) (Recommended Practices)		Dibbler and Shredder (rent)				Bolls per plant
6.	Waterm elon	Low yield potential of watermelon	Effect of plastic mulch on yield of watermelon	 No mulch (Farmers Practices) Silver Black Plastic Mulch (20 micron) under drip irrigation system (recommended Practices) 	JAU, Junagadh	20 μm silver black plastic mulch	1500	3	4500	Yield
7.	Onion	Low productivity of non- descriptive local onion varieties	Assessment of onion varieties	 Farmer practices-local (pillipati) Gujarat White Onion- 1 (Recommended Practices) Gujarat Junagadh White Onion- 3 (Intervention) 	JAU, Junagadh	Varieties	2000	3	6000	Yield
8.	Garlic	Farmers not using the micronutrients	Effect of multi micronutrient	1. Farmer practices-120 DAP, 40 kg P Kg/ha	JAU, Junagadh	Nutrient	2500	3	7500	Yield

			s formulation on garlic	2. Apply foliar spray of multi-micronutrient formulation Grade IV (Fe-Mn-Zn-Cu-B, 4.0- 1.0- 6.0-0.5-0.5 %) @ 1% at 60, 75 and 90 DAS (recommended Practices)							
				3. Apply foliar spray of multi-micronutrient formulation Grade IV (Fe-Mn-Zn-Cu-B, 4.0- 1.0- 6.0-0.5-0.5 %) @ 2 % at 60, 75 and 90 DAS (Intervention)							
9.	Children (1-5 years)	malnutrition	Problem of malnutrition among the age group of 1 to 5 year	1) Use of mixture of દાળીયા+ Jaggery + Groundnut seed , Amla juice , banana ,soybean chips (per child 100 gram & juice 50 ml) 2) Use of rise, pigeon pea, green grams, chickpea, Pomegranate, banana, potato, tomato (per child 100 gram & fruit 50 gram).	WHO report 2017	Nutritional supplement s for malnutritio n	800	8	6400	body weight, height of children	

	3) Use of wheat flour + Ghee + Jaggery or til, Milk, carrots, rice, pigeon pea, green grams, Potato, tomato and green vegetables or Pomegranate. (per child 100 gram & fruit 50 gram)				
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Frontline Demonstrations

A. Details of FLDs to be organized -

Sl. No.	Сгор	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ Demon.	Parameters identified
1	Groundnut	GJG-22/9	Varietal Evaluation	Variety	Seed	171 .0	4	10	Yield
2	Castor	GCH-7/9	Varietal Evaluation	Variety	Seed	Kharif 2019	4	10	Yield
3	Cotton	INM	INM	INM	Nutrient		4	10	Yield
4	Cumin	IDM	IDM	IDM	Bio-agent/Fungicide		4	10	Yield
5	Wheat	INM	INM	INM	Nutrient	Rabi	4	10	Yield
6	Coriander	GC-1/2	Varietal Evaluation	Variety	Seed	2019-20	4	10	Yield
7	Sesame	GT-3 GJT-5	Varietal Evaluation	Variety	Seed		4	10	Yield
8	Black gram	Guj. Urd-1	Varietal Evaluation	Variety	Seed	Summer 2020	4	10	Yield
9	Green gram	GM-4 GAM-5	Varietal Evaluation	Variety	Seed		4	10	Yield
						Total	36	90	

Sponsored Demonstration

Сгор	Area (ha)	No. of farmers
-	-	-

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	12	During particulars	120
2	Farmers Training	16	Season	350
3	Media coverage	-		_
4	Training for extension functionaries	7		200

C. Details of FLD on Enterprises

a. Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Cotton shredder	Cotton	2019-20	10	4	-	Field capacity

b. Livestock Enterprises-NIL

3.4. Training (Including the sponsored and FLD training programmes):

A. ON Campus

	No. of	No. of Participants								
Thematic Area	Courses		Others			SC/ST		Grand		
	Courses	Male	Female	Total	Male	Female	Total	Total		
(A) Farmers & Farm Women						-				
I Crop Production										
Weed Management										
Resource Conservation Technologies							•			
Cropping Systems	1	30	05	35	2	3	5	40		
Crop Diversification										
Integrated Farming										
Water management	1	19	8	27	4	4	8	35		
Seed production	1	19	8	27	4	4	8	35		
Nursery management							•			
Integrated Crop Management	1	25	15	40	5	5	10	50		
Fodder production										
Production of organic inputs	1	19	8	27	4	4	8	35		
II Horticulture			4	•			å	•		
a) Vegetable Crops										
Production of low volume and high		•••					•			
value crops										
Off-season vegetables										
Nursery raising	1	19	8	27	4	4	8	35		
Exotic vegetables like Broccoli										
Export potential vegetables							•			
Grading and standardization										
Protective cultivation (Green Houses,										
Shade Net etc.)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1	30	05	35	2	3	5	40		
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
c) Ornamental Plants										
Nursery Management	1	19	8	27	4	4	8	35		
Management of potted plants										

Export potential of ornamental plants								
Propagation techniques of Ornamental								
Plants								
d) Plantation crops								
Production and Management								
technology								
Processing and value addition								
e) Tuber crops								
Production and Management								
technology								
Processing and value addition								
f) Spices								
Production and Management				4.0	_	_	10	
technology	1	25	15	40	5	5	10	50
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management								
technology								
Post harvest technology and value	4	10	0	10	_	0	177	25
addition	1	10	8	18	9	8	17	35
III Soil Health and Fertility								
Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management	1	20	15	35	5	3	8	42
Production and use of organic inputs								
Management of Problematic soils	ð						•	
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Manag	ement				••			
Dairy Management								
Poultry Management	• •							
Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management	1	15	25	40	5	5	10	50
Production of quality animal products	•							
V Home Science/Women empowerm	ent				ii			
Household food security by kitchen	1	00	35	35	00	8	8	42
gardening and nutrition gardening	1	00	55	55	UU	0	0	+2

Design and development of								
low/minimum cost diet								
Designing and development for high								
nutrient efficiency diet								
Minimization of nutrient loss in								
processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition	1	0	28	28	0	7	7	35
Income generation activities for								
empowerment of rural Women	1	0	28	28	0	7	7	35
Location specific drudgery reduction								
technologies	1	00	35	35	00	5	5	40
Rural Crafts								
Women and child care	1	00	35	35	00	5	5	40
VI Agril. Engineering	1	00	55	55		0		10
Installation and maintenance of micro								
irrigation systems	1	19	8	27	4	4	8	35
Use of Plastics in farming practices	1	20	15	35	5	3	8	42
Production of small tools and	1	20	15	55	5	5	0	72
implements								
Repair and maintenance of farm								
machinery and implements	1	19	8	27	4	4	8	35
Small scale processing and value								
addition	1	20	18	38	6	4	10	48
Post Harvest Technology	1	25	15	40	5	5	10	50
VII Plant Protection	1	23	15	40	5	5	10	50
	1	20	0	20	5	5	10	10
Integrated Pest Management	1	30	8	38	5	5		48
Integrated Disease Management	1	19	8	27	4	4	8	35
Bio-control of pests and diseases	1	20	15	35	5	3	8	42
Production of bio control agents and	1	19	8	27	4	4	8	35
bio pesticides								
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								
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								
X Capacity Building and Group								
Dynamics								
Leadership development	1	30	8	38	5	5	10	48
Group dynamics	1	30	8	38	5	5	10	48
Formation and Management of SHGs	1	19	8	27	4	4	8	35
Mobilization of social capital	1	30	8	38	5	5	10	48
Entrepreneurial development of	1	20	15	35	5	3	8	42
farmers/youths	1	20	1.7		5			72
WTO and IPR issues	1	20	15	35	5	3	8	42
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems	1	19	8	27	4	4	8	35
XII Others (Pl. Specify)								
TOTAL	33	609	462	1071	128	149	277	1348
(B) RURAL YOUTH								
Mushroom Production	1	14	6	20	3	2	05	25
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming (Medicinal)								

Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable								
crops								
Commercial fruit production								
Repair and maintenance of farm								
machinery and implements								
Nursery Management of Horticulture								
crops	1	19	8	27	6	2	8	35
Training and pruning of orchards								
Value addition	1	14	6	20	3	2	5	25
Production of quality animal products	-					_	-	
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries							•	
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing								
technology								
Fry and fingerling rearing								
Small scale processing	1	10	0				0	25
Post Harvest Technology	1	19	8	27	6	2	8	35
Tailoring and Stitching	4	1.4				~		~~
Rural Crafts	1	14	6	20	3	2	5	25
TOTAL	5	80	34	114	21	10	31	145
(C) Extension Personnel								
Productivity enhancement in field								
crops Integrated Past Management	1	14	6	20	3	2	5	25
Integrated Pest Management								
Integrated Nutrient management	1	14	6	20	3	2	5	25
Rejuvenation of old orchards Protected cultivation technology								
Formation and Management of SHGs								

Group Dynamics and farmers organization								
Information networking among								
farmers								
Capacity building for ICT application								
Care and maintenance of farm								
machinery and implements								
WTO and IPR issues								
Management in farm animals							•	
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet								
designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
TOTAL	02	28	12	40	6	4	10	50
G. Total	40	717	508	1225	155	163	318	1543

B. OFF Campus

		No. of Participants								
Thematic Area	No. of Courses	Others				SC/ST		Grand Total		
		Male	Female	Total	Male	Female	Total			
(A) Farmers & Farm Women				-						
I Crop Production										
Weed Management										
Resource Conservation				•						
Technologies										
Cropping Systems	1	25	15	40	5	5	10	50		
Crop Diversification										
Integrated Farming	1	19	8	27	4	4	8	35		
Water management	1	19	8	27	4	4	8	35		
Seed production	1	30	05	35	2	3	5	40		
Nursery management				•			•			
Integrated Crop Management	1	30	05	35	2	3	5	40		
Fodder production				•						
Production of organic inputs	1	25	10	35	5	0	5	40		
II Horticulture				•						
a) Vegetable Crops										
Production of low volume and				•	•		•			
high value crops										
Off-season vegetables										
Nursery raising	1	25	10	35	5	0	5	40		

Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green								
Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of	1	20	15	25	3	3	6	41
Orchards	1	20	15	35	3	3	6	41
Cultivation of Fruit								
Management of young								
plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of								
orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental								
plants								
Propagation techniques of								
Ornamental Plants								
d) Plantation crops								
Production and Management								
technology								
Processing and value addition								
e) Tuber crops								
Production and Management								
technology								
Processing and value addition								
f) Spices								
Production and Management								
technology								
Processing and value addition								
g) Medicinal and Aromatic								
Plants								
Nursery management								
Production and management								
technology								
Post harvest technology and value								
addition						<u> </u>		

III Soil Health and Fertility					T T			
Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic								
inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing	1	25	10	35	5	0	5	40
IV Livestock Production and Mar	-		10			•		
Dairy Management	1	19	8	27	5	3	8	35
• •	I	17	0	21	5	3	0	
Poultry Management Piggery Management					-			
Rabbit Management /goat								
Disease Management								
Feed management								
Production of quality animal								
products								
V Home Science/Women empowe	rment				T		1	
Household food security by	1	00	25	25	00	0	0	40
kitchen gardening and nutrition	1	00	35	35	00	8	8	42
gardening								
Design and development of								
low/minimum cost diet								
Designing and development for								
high nutrient efficiency diet								
Minimization of nutrient loss in	1	0	28	28	0	7	7	35
processing Conder mainstreaming through							-	
Gender mainstreaming through	1	00	40	40		10	10	50
SHGs							-	
Storage loss minimization								
techniques Value addition	1	00	35	25	00	6	6	41
	1	00	33	35	UU	6	6	41
Income generation activities for	1	00	40	40		10	10	50
empowerment of rural Women								
Location specific drudgery	1	00	38	38	00	10	10	48
reduction technologies								
Rural Crafts	1		25	25	00	<i>E</i>		40
Women and child care	1	00	35	35	00	5	5	40

VI Agril. Engineering								
Installation and maintenance of	1	20	15	35	5	3	8	42
micro irrigation systems	_				-	_		
Use of Plastics in farming	1	10	8	18	9	8	17	35
practices			-	_		_		
Production of small tools and	1	19	8	27	4	4	8	35
implements								
Repair and maintenance of farm	1	20	18	38	6	4	10	48
machinery and implements								
Small scale processing and value	1	20	18	38	6	4	10	48
addition	-	~-		10	_		10	~~
Post Harvest Technology	1	25	15	40	5	5	10	50
VII Plant Protection								
Integrated Pest Management	1	30	8	38	5	5	10	48
Integrated Disease Management	1	19	8	27	4	4	8	35
Bio-control of pests and diseases	1	20	15	35	5	3	8	42
Production of bio control agents	1	19	8	27	4	4	8	35
and bio pesticides	-		<u> </u>			-	Ŭ	
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								
IX Production of Inputs at site								
Seed Production								
Planting material production								
(Horti.)								
Bio-agents production								
Bio-pesticides production						•		

Bio-fertilizer production								
Vermi-compost production (Horti.)								
Organic manures production (A.S.)								
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								
X Capacity Building and Group								
Dynamics								
Leadership development	1	30	8	38	5	5	10	48
Group dynamics	1	30	8	38	5	5	10	48
Formation and Management of	1	19	8	27	4	4	8	35
SHGs(HS)	1	17	0	21	4	4	0	33
Mobilization of social capital	1	19	8	27	4	4	8	35
Entrepreneurial development of	1	20	15	35	5	3	8	42
farmers/youths (Agro.)	1	20	15	55	3	3	0	42
WTO and IPR issues	1	19	8	27	4	4	8	35
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems	1	19	8	27	4	4	8	35
(Agro)	1	19	0	21	4	4	0	33
XII Others (Pl. Specify)								
TOTAL	34	595	529	1124	124	154	278	1398

C. Consolidated table (ON and OFF Campus)

	No. of	No. of Participants									
Thematic Area	Courses		Others			Grand					
	Courses	Male	Female	Total	Male	Female	Total	Total			
(A) Farmers & Farm Women											
I Crop Production											
Weed Management											
Resource Conservation Technologies					-						
Cropping Systems	2	55	20	75	7	8	15	90			
Crop Diversification								•			
Integrated Farming	1	19	8	27	4	4	8	35			
Water management	2	38	16	54	8	8	16	70			
Seed production	2	49	13	62	6	7	13	75			
Nursery management											
Integrated Crop Management	2	55	20	75	7	8	15	90			

Fodder production								
Production of organic inputs	2	44	18	62	9	4	13	75
II Horticulture					LL			
a) Vegetable Crops								
Production of low volume and high								
value crops								
Off-season vegetables								
Nursery raising	2	20	16	36	18	16	34	70
Exotic vegetables like Broccoli			_				_	
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses,								
Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	1	20	15	35	3	3	6	41
Cultivation of Fruit	1	30	05	35	2	3	5	40
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management	1	19	8	27	4	4	8	35
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental								
Plants								
d) Plantation crops								
Production and Management								
technology								
Processing and value addition								
e) Tuber crops								
Production and Management								
technology								
Processing and value addition								
f) Spices								
Production and Management	1	25	1 5	40	_	E	10	F O
technology	1	25	15	40	5	5	10	50
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								

Production and management					Ī			
technology								
Post harvest technology and value								
addition	1	19	8	27	4	4	8	35
III Soil Health and Fertility								
Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management	1	20	15	35	5	3	8	42
Production and use of organic inputs	_				-	-		
Management of Problematic soils								
Micro nutrient deficiency in crops					-			
Nutrient Use Efficiency								
Soil and Water Testing	1	25	10	35	5	0	5	40
IV Livestock Production and	-		10		5	•	5	
Management								
Dairy Management	1	19	8	27	4	4	8	35
Poultry Management	-					•	Ŭ	
Piggery Management					-			
Rabbit Management/goat								
Disease Management								
Feed management	1	15	25	40	5	5	10	50
Production of quality animal products	1	10	20	10		0	10	50
V Home Science/Women								
empowerment								
Household food security by kitchen								
gardening and nutrition gardening	2	00	70	70	00	16	16	86
Design and development of								
low/minimum cost diet								
Designing and development for high								
nutrient efficiency diet								
Minimization of nutrient loss in			• •			_	_	
processing	1	00	28	28	00	7	7	35
Gender mainstreaming through SHGs	1	00	40	40	00	10	10	50
Storage loss minimization techniques								
Value addition	2	00	63	63	00	13	13	76
Income generation activities for	~	0.0	~~~		0.0	1 –		1 5 0
empowerment of rural Women	2	00	68	68	00	17	17	153
Location specific drudgery reduction	~	00	70		00	1 –	1.7	0.2
technologies	2	00	73	73	00	15	15	83
Rural Crafts								
Women and child care	2	00	70	70	00	10	10	80
VI Agril. Engineering								

Installation and maintenance of micro								
irrigation systems	2	39	23	85	9	7	16	77
Use of Plastics in farming practices	2	30	23	53	14	11	15	77
Production of small tools and	1							
implements		20	18	38	6	4	10	48
Repair and maintenance of farm			. .			~		~ -
machinery and implements	2	39	26	65	10	8	18	83
Small scale processing and value								
addition	2	40	36	75	12	8	20	96
Post Harvest Technology	2	50	30	80	10	10	20	100
VII Plant Protection								
Integrated Pest Management	2	60	16	76	10	10	20	96
Integrated Disease Management	2	38	16	54	8	8	16	70
Bio-control of pests and diseases	2	40	30	70	10	6	16	84
Production of bio control agents and	2	20	17	51	0	0	16	70
bio pesticides	2	38	16	54	8	8	16	70
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								
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								
X Capacity Building and Group								
Dynamics								
Leadership development	2	60	16	76	10	10	20	96
Group dynamics	2	60	16	76	10	10	20	96
Formation and Management of SHGs	2	38	16	54	8	8	16	70
Mobilization of social capital	2	48	16	65	9	9	18	83
Entrepreneurial development of	_							~ .
farmers/youths	2	40	30	70	10	6	16	84
WTO and IPR issues	2	40	30	70	10	6	16	84
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems	2	38	16	54	8	8	16	70
Sponsored training								
TOTAL	67	1190	1006	2219	258	311	559	2820
(B) RURAL YOUTH								
Mushroom Production	1	14	6	20	3	2	5	25
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable								
crops								
Commercial fruit production								
Repair and maintenance of farm								
machinery and implements								
Nursery Management of Horticulture		10	~	~-				~ -
crops	1	19	8	27	4	4	8	35
Training and pruning of orchards								
Value addition	1	14	6	20	3	2	5	25
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								

Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing								
technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology	1	14	6	20	3	2	5	25
Tailoring and Stitching	_		-		_	_	-	
Rural Crafts	1	14	6	20	3	2	5	25
TOTAL	5	75	32	107	16	12	28	135
(C) Extension Personnel	_		_	-				
Productivity enhancement in field								
crops								
Integrated Pest Management	1	14	6	20	3	2	5	25
Integrated Nutrient management	1	14	6	20	3	2	5	25
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers								
organization								
Capacity building for ICT application								
Care and maintenance of farm								
machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet								
designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)							•	
Total	2	28	12	40	6	4	10	50

G. TOTAL	74	1293	1050	2336	280	327	597	3005
	 	L					L	

Details of training programmes attached in Annexure -I

3.5. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of Farmers			S	Extension Officials			Total		
Extension Activity	activities	Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	12	240	40	280	10	0	10	250	40	290
Kisan Mela	2	600	150	750	25	5	30	625	155	780
Kisan Ghosthi	3	75	0	75	0	0	0	75	0	75
Exhibition	2	350	50	400	5	0	5	355	50	405
Film Show	1	100	0	100	0	0	0	100	0	100
Farmers Seminar	2	200	80	280	2	0	2	202	80	282
Workshop	0	0	0	0	0	0	0	0	0	0
Group meetings	2	80	0	80	0	0	0	80	0	80
Lectures delivered as resource persons	20	750	250	1000	5	0	5	755	250	1005
Newspaper coverage	10	0	0	0	0	0	0	0	0	0
Radio talks	2	0	0	0	0	0	0	0	0	0
TV talks	1	0	0	0	0	0	0	0	0	0
Popular articles	10	0	0	0	0	0	0	0	0	0
Extension Literature	15	0	0	0	0	0	0	0	0	0
Advisory Services	20	250	20	270	5	0	5	255	20	275
Scientific visit to farmers field	40	400	40	440	0	0	0	400	40	440
Farmers visit to KVK	50	2500	500	3000	50	10	60	2550	510	3060
Diagnostic visits	10	200	0	200	5	0	5	205	0	205
Exposure visits	2	100	0	100	0	0	0	100	0	100
Ex-trainees Sammelan	2	100	50	150	0	0	0	100	50	150
Soil health Camp	1	200	30	230	2	0	2	202	30	232
Animal Health Camp	1	100	50	150	1	0	1	101	50	151
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	3	150	30	180	0	0	0	150	30	180

Total	220	9895	2140	12035	164	20	184	10059	2160	12219
Any Other (Specify)	0	0	0	0	0	0	0	0	0	0
PPVFRA workshop	1	200	0	200	25	0	25	225	0	225
Pre Rabi workshop	1	200	50	250	2	0	2	202	50	252
Pre Kharif workshop	1	200	50	250	2	0	2	202	50	252
Krishi Rath	0	0	0	0	0	0	0	0	0	0
Krishi Mohostva	2	2500	500	3000	20	5	25	2520	505	3025
Celebration of important days (specify)	4	400	250	650	5	0	5	405	250	655
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0

3.6. Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Сгор	Variety	Quantity (qtl.)
CEREALS	Wheat	GW-463	40 (1 ha.)
OILSEEDS	Groundnut	GJG-22	120 (10 ha.)
	Til	GJT-5	5.0 (1 ha.)
PULSES	Chikpea	GJG-5	12.0 (0.5 ha.)
VEGETABLES	-	-	
OTHERS (Specify)	-	-	

PLANTING MATERIALS

Sl. No.	Сгор	Variety	Quantity (Nos.)
FRUITS	-	-	-
SPICES	-	_	-
VEGETABLES	Brinjal	GJB-3	3000
	Tomato	GT-1/3	3000
	Vegetable packets	_	200
		Total	6200

Bio-products

SI.	Product Name	Supplies/description	Quantity		
No.	Product Name	Species/description	No	(kg)	
BIO	PESTICIDES	nk			
1	Savaj Beauveria	Beauveria bassiana	1500	10000	
2	Trichoderma	Trichoderma harzianum	500	5000	
3	PSB culture		50	50	
4	MDP tube	Mating Disruption Paste	50	50	
5	Lure		4000	-	
6	Pheromone Trap		2000	-	
7	Rhizobium		50	50	
8	Azotobacter		50	50	
9	Metarhizium	Metarhizium anisopliae	200	1000	

LIVESTOCK-

NIL

4. Literature to be Developed/Published

A. KVK News Letter

Date of start: QuarterlyNumber of copies to be published: Published by university

B. Literature developed/published

S.No.	Торіс	Number			
1	Research paper each scientist	4			
2	Technical reports	15			
3	News letters	4			
4	Training manual all discipline	0			
5	Popular article	10			
6	Extension literature	15			
	Total				

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette) and video clippings		Number
1.	Video clipping	Impact of Beauveria bassiana	1
2.	Video clipping	Drip irrigation in gram	1
3.	Video clipping	Soil Analysis	1
4.	Video clipping	Custom hiring center	1
5.	Video clipping	Natural Recourse Management	1
6.	Video clipping	Organic farming	1

C. Details of Electronic Media to be produced

D. Success stories/Case studies identified for development as a case. -<u>Success story: Impact of Cluster Front Line Demonstration of NFSM project in Amreli</u> <u>District of Gujarat</u>

a. Brief introduction- In Amreli district, Cotton, Groundnut, Sesame, Wheat, Bajra, Castor, Sorghum and Pulses are main field crops. The project aimed to aware farmers about latest improved varieties and technology demonstrated to the farmers through CFLDs under NFSM project. Farmers were using traditional practices and local varieties for the production of pulses and only using conventional pesticides throughout the season. In Amreli district majority of farmers were growing only cotton crops instead of short duration crops, it requires water for irrigation purpose and only same uptake of the nutrients by the plants. It leads to deficits the nutrient availability in monocropping patterns.

b. Interventions-An awareness programmes were organized on CFLDs under NFSM project in Amreli district by Krishi Vigyan Kendra, Junagadh Agricultural University, Amreli. It was supported by ATMA, State department and NGOs; for organizing training programme. CFLDs under NFSM project was sanctioned by ICAR, ATARI, Pune and these CFLDs were implemented by KVK, Amreli in adopted villages. Various clusters are made to demonstrate the technologies in different villages.

Advance planning was made and implemented strategies

• Demonstration of latest recommended varieties of pulses.

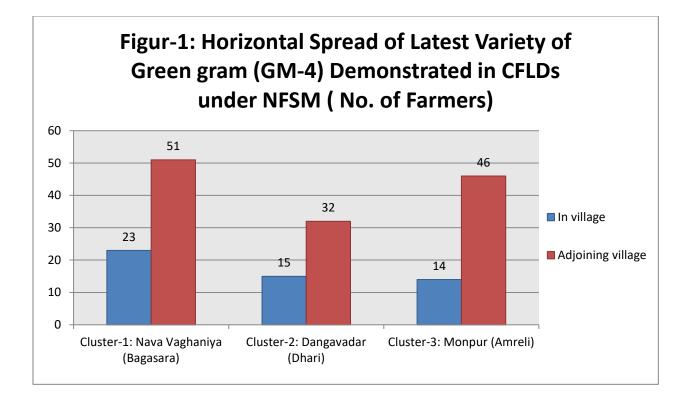
- To control various pests and diseases by using Integrated Pest and Disease Management (IPDM) using bio-pesticides like Beauveria Bassiana, trichoderma harzianum, Pheromone traps etc.
- Nutrient Management by biofertilizers viz. Rhizobium and PSB
- Mechanical devices and also provided valuable information on cultural practices like Deep ploughing, Timely sowing of varieties and Early mature varieties
- Improving soil texture and structure by removing & mixing residual of other crops like maize, wheat using farm implement like rotavator,
- Avoid mono-cropping.
- Distributed proper literatures viz. folders, pamphlets, leaf lets, text messages and audio-visual aids to the farmers.
- Making Soil Health card for improvement of soil health.

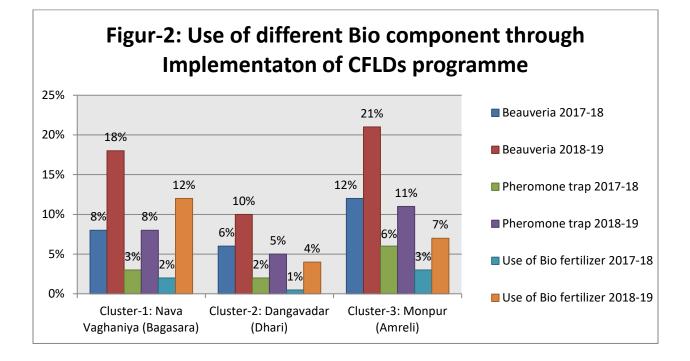
Farmers of Amreli district were benefited by scientific and technological information about IPDM of various pests and diseases and necessary guidance was also provided by scientists of Krishi Vigyan Kendra, Junagadh Agricultural University, Amreli (Gujarat).

c. Output- Due to continuously providing knowledge of scientific package of practices, Varietal adoptions, and technologies to farmers by various training programmes under NFSM project, farmers aware about various benefit of modern and scientific approach to control of pests and diseases of pulses crops through utilization of bio-pesticides and mass trapping of Heliothis adults in pigeon pea by mechanical devices like pheromone trap. This is reduced the application of hazardous pesticides and save the cost of chemical pesticides.

d. Impact:

Due to Demonstrations of latest improved varieties, organizing various training programmes and lectures in sponsored training programmes, farmers have stated regularly using recommended varieties, bio pesticides like *Beauveria bassiana*, *Metarhizzium anisopliae*, *Azadirechtin* and bio fertilizers in their field. Bio pesticides and bio products are economic and eco friendly will helps to the farmers in upcoming years on economical as well as social platform. There is proper impact observed in horizontal spread of varieties and Bio components shown in Figur 1 and 2.





f. Action Photographs-



Literature distributed to the farmers



Literature distributed to the farmers

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

A. Practicing Farmers

- a) Interview schedule
- b) Farmer group discussion
- c) Observation

B. Rural Youth

- a) Interview schedule
- b) Focus group
- c) Difficulty analysis

C. In-service personnel

- a) Interview schedule
- b) Performance analysis
- c) Observation

5.2. Indicate the methodology for identifying OFTs/FLDs

For OFT:

i)	PRA
ii)	Problem identified from Matrix
iii)	Field level observations
iv)	Farmer group discussions
v)	Others if any

For FLD:

i)	New variety/technology
ii)	Poor yield at farmers level
iii)	Existing cropping system
iv)	Others if any

5.3. Field activities

i. Name of villages identified/adopted with block name (from which year) - from 2015

Sr. No.	Name of village	Name of Taluka
1	Kerala(Jogani)	Lathi
2	Harsupur Devaliya	Lathi
3	Saladi	Liliya
4	Jatruda	Liliya
5	Vaandaliya	Babra
6	Lunidhaar	Kukavav
7	Haalariya	Bagasra

8	Ditla	Dhari
9	Babapur	Amreli
10	Shedubhar	Amreli
11	Vaankiya	Amreli
12	Lakhapadar	Khambha
13	Nesdi	Savarkundla
14	Oliya	Savarkundla
15	Maandardi	Rajula

- i. Name of villages identified/adopted with block name (from which year) -
- ii. No. of farm families selected per village :
- iii. No. of survey/PRA conducted :
- iv. No. of technologies taken to the adopted villages
- 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

6. LINKAGES

6.1. Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage (pl. specify)
1.	Dy. Director of Agriculture.	Farmers Training, Diagnostic services
2.	Dy. Director of Agril. Extension (FTC)	Resource person in Lectures
3.	Dy. Director of Horticulture	Resource person in Lectures
4.	Dy. Director of Animal Husbandry	Sponsored training
5.	Dy. Director of Soil Conservation	Resource person in Lectures
6.	Dy. Director of Social Forestry	Resource person in Lectures
7.	Amreli Jilla Madhya sahakari bank	Resource person in Lectures
8.	Milk Co-Operative Society	Resource person in Lectures
9.	State Bank of India	Resource person in Lectures
10.	National Bank for Agriculture & Rural Development (NABARD)	Resource person in Lectures
11.	NHRDF	Sponsored Training, Resource person in Lectures
12.	Doordarshan Kendra	Media coverage
13.	All India Radio	Radio talk
14.	District Rural Development Agency	Sponsored Training, Resource person in Lectures
15.	ATMA	Sponsored Training, Resource person in Lectures, meeting
16.	Mahindra & Mahindra Co. Ltd.	Sponsored Training, Resource person in Lectures

6.2. Details of linkage with ATMA

a)]	Is ATMA implemented in you	nr district Yes
S. No.	Programme	Nature of linkage
1	All the extension activities	Sponsored Training, Demonstration, Resource person
1	of district, Amreli	in Lectures, meeting

6.3. E-linkage during 2019-20

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
20.1	Title of the technology module to be prepared	Ni	1
20.2	Creation and maintenance of relevant database system for KVK		
20.3	Any other (Please specify)		

6.4. Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage					
1Farmers trainingAs a resource person6.5. Nature of linkage with National Fisheries Development Board							
6.5. Nature of l	inkage with National Fisl	heries Development Board					
S. No.	Programme	Nature of linkage					
1	1Farmers trainingAs a resource person						

6.6. Additional Activities Planned including sponsored projects (ProCRA / Pro SOIL/NARI/DAESI/DAMU/DFI, etc.) / schemes during 2019-20, if involved.

	Name of the			Technical programme with quantific	ation		Financial	Names of	
S.No.	agency / scheme	Name of activity	Name of crop	Variety	Area (ha) No. of FLD		outlay (Rs.)	the team members involved	
			Cotton	G.COT Bt II-10	8	20			
			Groundnut	GJG-22	5	20			
	Agricultural		Seasame	GT-4	4	10		Senior Scientist	
1	Technology Information	EID Training	Cotton	IPM	20	50	9,00000	and all	
1.	Centre	FLD, Trainings	Groundnut	IPM	20	50	9,0000	discipline	
	(ATIC)		Wheat	GW-463	6.25	25		Scientists	
			Gram	GJG-3	6.25	25			
			Gram	IDPM	6.25	25			
			Green gram	GAM-5	02	05			
			Seasame	GT-4	08	20			
	National		Castor	GCH-9	02	05			
2.	Initiative on Climate	FLD, Trainings,	Seasame	IDM in sesame by Castor cake and Trichoderma	08	20	431070		
2.	Resilient	Exposure visits	Wheat	GW-173	02	05	431070		
	Agriculture (NICRA)	1	Gram	GJG-3	02	05			
			Dragon fruit	Hylocerus, polyrhizus	02	05			
			Cotton	ICM in cotton by Sowing of castor as a trap cop, maize (1 kg.) as aborde	02	20			

				crop and blackgram (2kg) as a				
				intercrop				
				2) installation of yellow sticky trap @				
				2 trap/acre				
				3) installation of pheromone trap				
				@2trap/acre				
	Cluster base	I FLD.	Green Gram	GM-4	20	50		
3.	FLD of Rabi Pulses under	Trainings,	Pigeon pea	GJP-1	20	50	283610	
	NFSM	Field day	Gram	GJG-3	20	50		
	National		Groundnut	GJG-22	20	50		
л	Mission on Oilseeds and	FLD, Trainings,	Groundnut	GJG-31	20	50	467127	
4.	Oil Palm (NMOOP)	Field day	Sesame	GT-4	20	50	40/12/	
	Total				217.5	605		

7.0 Convergence with other agencies and departments:

Trainings along with ATMA and other line departments

8. Innovator Farmer's Meet 2019- 2020

Sl.No.	Particulars	Details
1	Are you planning for conducing Farm Innovators meet in your district?	Yes/ No
2	If Yes likely month of the meet	NIL
3	Brief action plan in this regard	

9. Farmers Field School (FFS) planned 2019-2020

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
1		Nil	

10.1. Technical Feedback of the farmers about the technologies demonstrated and assessed: 10.2. Technical Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:

Feedback by Scientist-

1. Horticulture –

GJO-1 variety of okra had higher production variety than local variety but during maturing the colour is become light green so its affect on marketability. GW0-1 variety of onion is best for dehydration and higher yielding variety than local (pillipati).

2. Plant protection-

Feedback of OFT in cotton was found that the problem of sucking pest in cotton is forum lower in recommended practices than farmer practice due to farmers are using injudicious pesticides and higher doses of pesticides on cotton crop. It leads to increase cost of cultivation and develop resistance in sucking pests.

3- Agronomy-

- 1. In OFT of cotton crop application of 240-50-150 NPK kgha⁻¹ + 50 ZnSO₄ and nitrogen 240 kgha⁻¹ in four equal split basal, 30, 60, 90 DAS with three spraying of KNO₃ at 15 days interval and 25 MgSO₄ kg ha⁻¹ + 500 Kgha⁻¹ castor cake produced high yield of cotton and superior quality of cotton because all essential nutrients provided to crops.
- 2. Farmers use more seed rate in wheat (180 kgha⁻¹), but as per recommendation (120 kgha⁻¹) wheat crop resulted good quality of produced seeds and low cost of seed rate as compare to use of high seed rate in wheat.

- 3. Application of bio-fertilizers Azotobacter & PSB @ 1 lit./ha with 100 kg FYM+75% RDF in wheat produced high yield and reduced cost of cultivation.
- 4. In cotton crops closer spacing (90 X 30 cm) provided high yield reduced incidence of pest and diseases as compare to wide spacing (120 X 45-60 cm).

4- Agriculture Engineering-

Number of balls per plant (110 Ridge and 89 furrow) and flowers was higher in ridges and furrow method of sowing in cotton. Number of irrigation is decreased is also decreased due to soil moisture conserve.

S. No.	Programme	No. of days
1	Sponsored Training	45
2	Exposure visit to KVK	15
3	Scientist	25
	Total	85

11. Utilization of hostel facilities

Annexure - I Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days		lumber articipa		Numb	er of S	C/ST	G. Total
				Μ	F	Т	Μ	F	Т	
Crop Produc	tion	A								L
30.05.19	PF	Soil analysis and its importance	4	30	05	35	2	3	5	40
19.06.19	PF	Good Agricultural Practices of cotton & groundnut	4	30	05	35	2	3	5	40
15.07.19	PF	Organic Farming	4	19	8	27	4	4	8	35
01.11.19	PF	Integrated Nutrient Management in Rabi crops	4	25	15	40	5	5	10	50
03.02.20	PF	Use and Importance of Bio fertilizers	4	19	8	27	4	4	8	35
Horticulture										
15.05.19	PF	Nursery raising	4	19	8	27	4	4	8	35
01.08.19	PF	Cultivation of Fruit	4	30	05	35	2	3	5	40
19.10.18	PF	Nursery Management	4	19	8	27	4	4	8	35
17.01.19	PF	Production and Management technology	4	25	15	40	5	5	10	50
23.01.19	PF	Post harvest technology and value addition	4	19	8	27	4	4	8	35
Agril. Engg.	L	Δ			L		k			L
15.05.18	PF	Installation and maintenance of micro irrigation systems	4	19	8	27	4	4	8	35
01.07.18	PF	Use of Plastics in farming practices	4	20	15	35	5	3	8	42
15.10.18	PF	Repair and maintenance of farm machinery and implements	4	19	8	27	4	4	8	35
15.01.19	PF	Post Harvest Technology	4	25	15	40	5	5	10	50
Home Science	e	4	i	L	L		ii		i	1
30.05.19	FW	Household food security by kitchen gardening and nutrition gardening	4	00	35	35	00	8	8	42

10.07.19	FW	Minimization of nutrient loss in processing	4	0	28	28	0	7	7	35
18.09.19	FW	Gender mainstreaming through SHGs	4	00	40	40		10	10	50
17.10.19	FW	Value addition	4	0	28	28	0	7	7	35
13.11.19	FW	Income generation activities for empowerment of rural Women	4	0	28	28	0	7	7	35
16.12.19	FW	Location specific drudgery reduction technologies	4	00	35	35	00	5	5	40
15.01.20	FW	Women and child care	4	00	35	35	00	5	5	40
Plan Protecti	on			i		<u>.</u>	.ii		ii	
01.05.19	PF	Integrated approach for management to control of fall army worm in maize	4	30	8	38	5	5	10	48
15.07.19	PF	Role of organic pesticides	4	19	8	27	4	4	8	35
15.09.19	PF	Integrated Disease Management of field crops	4	20	15	35	5	3	8	42
30.01.19	PF	Botanical insecticides	4	19	8	27	4	4	8	35
Soil Health	i			i	L		.ii			
15.01.20	PF	Soil health card and its importance	4	20	15	35	5	3	8	42

Extension Ed	lucation									
30.04.19	PF/RY	Youth Development through update knowledge on major kharif crop	1	30	8	38	5	5	10	48
01.07.19	PF/RY	Women development through micro saving	1	19	8	27	4	4	8	35
01.11.19	PF/RY	Youth Development through update knowledge on major Rabi crop	4	25	15	40	5	5	10	50
15.02.19	PF/RY	Upgrade the knowledge of farmers about ICT	4	19	8	27	4	4	8	35

D -4-	Cliantel		Duration	No. o	of partic	ipants	Numb	G.		
Date Clientele		Title of the training programme in		Μ	F	Т	Μ	F	Т	Total
Crop Produ	ction	Δ		L	i	.i				
15.05.19	PF	Soil and water analysis	4	30	05	35	2	3	5	40
20.06.19	PF	High Density Planting in cotton	4	30	05	35	2	3	5	40
03.07.19	PF	Preparation procedure of liquid organic fertilizer	4	30	05	35	2	3	5	40
20.08.19	PF	Organic farming certification procedure	4	19	8	27	4	4	8	35
03.12.19	PF	Package of practices onion and garlic	4	25	15	40	5	5	10	50
05.02.20	PF	Concept and importance of INM	4	19	8	27	4	4	8	35
Horticulture		A			i					
10.06.19	PF	Nursery raising	4	10	8	18	9	8	17	35
20.09.19	PF	Layout and Management of Orchards	4	20	15	35	3	3	6	41
Agril. Engg.		A			i					
14.06.19	PF	Installation and maintenance of micro irrigation systems	4	20	15	35	5	3	8	42
01.08.19	PF	Use of Plastics in farming practices	4	10	8	18	9	8	17	35
20.11.19	PF	Repair and maintenance of farm machinery and implements	4	20	18	38	6	4	10	48
15.03.20	PF	Post Harvest Technology	4	25	15	40	5	5	10	50
Home Sciend	e	A								
01.06.19	FW	Household food security by kitchen gardening and nutrition gardening	4	00	35	35	00	8	8	42
05.08.19	FW	Minimization of nutrient loss in processing	4	0	28	28	0	7	7	35
10.9.19	FW	Gender mainstreaming through SHGs	4	00	40	40		10	10	50
20.10.19	FW	Value addition	4	0	28	28	0	7	7	35
15.11.19	FW	Income generation activities for empowerment of rural Women		0	28	28	0	7	7	35

2.01.20	FW	Location specific drudgery reduction technologies	4	00	35	35	00	5	5	40
20.01.20	FW	Women and child care	4	00	35	35	00	5	5	40
Plant Protect	tion								A	
25.6.19	PF	Advance techniques of pest management	1	30	8	38	5	5	10	48
15.07.19	PF	Method demonstration of organic product	1	19	8	27	4	4	8	35
01.08.19	PF	Bio -Pesticides	1	20	15	35	5	3	8	42
15.01.20	PF	Sucking pest management in Rabi crops	1	19	8	27	4	4	8	35
Soil health										
18.07.19	PF	Soil and water analysis	1	25	10	35	5	0	5	40
Extension ed	ucation						-			
01.05.19	PF/RY	Upgrade knowledge on seed treatment	4	10	8	18	9	8	17	35
30.06.19	PF/RY	Update knowledge on Soil Health Card	4	10	8	18	9	8	17	35
01.12.19	PF/RY	Leadership development	4	10	8	18	9	8	17	35
24.02.20	PF/RY	Entrepreneurship Development	4	10	8	18	9	8	17	35

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title* Mon		Month Duration (days)		No. of Participants			SC/SZ rticipa	G.Total	
Enterprise				(uays)	Μ	F	Т	Μ	F	Т	
Entrepreneurship	Traditional method for bakery items	Different bakery product preparation	Oct-Nov	4	0	13	13	0	12	12	25

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in	No. of	Number of	G. Total
			days	participants	SC/ST	
				M F T	M F T	
On Campus						

		Update knowledge level of Extension								
1. Kharif-2019	Ext. workers	personal regarding Integrated Nutrient and	4	7	6	13	6	6	12	25
		pest Management								
2. Kharif-2019	Ext. workers	Update knowledge on Soil Health Card	4	7	6	13	6	6	12	25

iv) Sponsored programmes

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course		No. of ticipa			mbe SC/S	-	G. Total
					M	F	Т	Μ	F	Т	
a) Sponsored tr	aining programme	.i	.d.		i		i	i	i	i	
Agronomy	ATMA	PF	Scientific production of kharif crops	1	60	00	60	00	00	00	60
Plant protection	NMOOP	PF	Integrated management of fall army warm in maize	1	35	00	35	00	00	00	35
Horticulture	ATMA	PF	Organic farming in horticulture crops	1	42	00	42	00	00	00	42
Plant protection	DAO	PF	Role of Trichoderma, Beauveria, bossiana and metarhium anisoplie and its uses	1	58	00	58	00	00	00	58
Extension education	STATE DEPARTMENT	PF	Use of mass media	1	35	00	35	00	00	00	35
Home Science	FTC, Bhavnagar	FW	Importance of kitchen gardening	1	00	35	35	00	00	00	35
Agronomy	FTC, Bhavnagar	PF	Scientific production of cotton	1	35	00	35	00	00	00	35
			Total	07	265	35	300	00	00	00	300

Annexure - II

S.	Particulars	Sanctioned	Released	Expenditure
No.	r ar uculars	Sanctioneu	Keleaseu	Expenditure
24.1	Recurring Contingencies	80,00000	600000	6531624
24.1.1	Pay & Allowances	1,250000		61307
24.1.2	Traveling allowances	13,00000	12,00000	12,27233
24.1.3	Contingencies			
24.1.4.1	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance			
В	POL, repair of vehicles, tractor and equipments			
С	Meals/refreshment for trainees			
D	Training material			
Ε	Frontline demonstration except oilseeds and pulses	13,00000		1227233
F	On farm testing			
G	Training of extension functionaries			
Н	Maintenance of buildings			
Ι	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
24.1	Total Recurring	13,00000		1227233
24.2	Non-Recurring Contingencies			
24.2.1	Works			
24.2.2	Equipments including SWTL & Furniture			
24.2.3	Vehicle (Four wheeler/Two wheeler, please specify)			
24.2.4	Library			
24.2	Total Non Recurring			
24.3	REVOLVING FUND	00		00
24.4	GRAND TOTAL (A+B+C)	9425000	720000	7820164

Budget - Details of budget utilization (2018-19) up to 31 March 2019

S. No.	Particulars	BE 2019-20 proposed (Rs.)
25.1	Recurring Contingencies	
25.1.1	Pay & Allowances	90,00000
25.1.2	Traveling allowances	1,00000
25.1.3	Contingencies	
Α	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	
В	POL, repair of vehicles, tractor and equipments	
С	Meals/refreshment for trainees (ceiling up to Rs.40/day/trainee be maintained)	
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	
Ε	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	14,00000
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	
Н	Maintenance of buildings	
Ι	Establishment of Soil, Plant & Water Testing Laboratory	
J	Library	
25.1	TOTAL Recurring Contingencies	14,00000
25.2	Non-Recurring Contingencies	0
25.2.1	Works	0
25.2.2	Equipments including SWTL & Furniture	0
25.2.3	Vehicle (Four wheeler/Two wheeler, please specify)	0
25.2.4	Library (Purchase of assets like books & journals)	0
25.2	TOTAL Non-Recurring Contingencies	0
25.3	REVOLVING FUND	0
25.4	GRAND TOTAL	10500000