ICAR-ATARI, Pune

DETAILS OF ACTION PLAN 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, Junagadh Agricultural University, Morbi Dist Morbi (Gujarat) - 363641	Office	FAX	kvkmorbi@gmail.com	www.jau.in
	02822-224853	-		

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 (Gujarat)	0285-2672080	0285-2672653	dee@jau.in	www.jau.in

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

Name	Telephone / Contact		
Dr . D. S. Hirpara	Mobile	Office	**E mail**
	9426938235	02822-224853	dshirpara@jau.in

1.4. Year of sanction: 2017 (Grant & Staff from March-2017)

1.5. Staff Position (as on March 31, 2018)

				If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
Sl. No.	**Sanctioned post**	**Name of the incumbent**	**Discipline**	**Current Pay Band**	**Current Grade Pay**	**Date of joining**	
1.	IC/ Senior Scientist and Head	Dr.D.S.Hirpara	Agronomy	37400-67000	9000	1-3-2017	-
2.	Subject Matter Specialist	D.A.Saradava	Plant Protection	15600-39100	7000	1-3-2017	-
3.	Subject Matter Specialist	Dr.Hemangi D. Mehta	Home Science	15600-39100	7000	1-8-2017	-
4.	Subject Matter Specialist	Vacant	-	-	-	-	-
5.	Subject Matter Specialist	Vacant	-	-	-	-	
6.	Subject Matter Specialist	Vacant	-	-	-	-	-
7.	Subject Matter Specialist	Vacant	-	-	-	-	-
8.	Programme Assistant	Vacant	-	-	-	-	-
9.	Computer Programmer	Vacant	-	-	-	-	-
10.	Farm Manager	Vacant	-	-	-	-	-
11.	Accountant/Superintendent	Vacant	-	-	-	-	-
12.	Stenographer	Vacant	-	-	-	-	-
13.	Driver 1	Vacant	-	-	-	-	-
14.	Driver 2	Vacant	-	-	-	-	-
15.	Supporting staff 1	Vacant	-	-	-	-	-
16.	Supporting staff 2	Vacant	-	-	-	-	-

1.6. Total land with KVK (in ha): 26

S. No.	Item	Area (ha)
1	Under Buildings	The land classification will be complete leveling and development work which is under process
2.	Under Demonstration Units	
3.	Under Crops	
4.	Horticulture	
5.	Pond	
6.	Others if any	

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	KVK	-	-	-	1-12-2017	575.32	Under Process
2.	Farmers Hostel	KVK		-		1-12-2017	443.96	under process
3.	Staff Quarters (6)	-	-	-	-	-	-	-
4.	Demonstration Units (2)	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-
9	ICT lab	-	-	-	-	-	-	-
10	Other	-	-	-	-	-	-	-

B. Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bollero jeep	2006	4,86500	270048	Working

C. Equipments & AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
Tractor MasseyDI-241	2017	607137	Working
Computer System Acer 18.5	2017	34115	Working
Computer System Acer 18.5	2017	34115	Working
Printer MF 3010 canon	2017	10266	Working
Printer LBP 6510	2017	8761	Working

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

Sl.No.	Date
1. Scientific Advisory Committee	26/03/2018

2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Cotton-Wheat/Cotton-Cumin/Groundnut-Wheat/Groundnut-Cumin/Cotton-Summer Sesame
2	Animal husbandry – crop based enterprise /Dairy product
3	Farm Waste Management/ Crop residue management
4	Value addition in Groundnut/ Sesame

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

a. Soil type

Sl. No.	Agro-climatic Zone	Characteristics
1	North Saurashtra Agro Climatic Zone Morbi,Wankaner and Tankara (Agro – eco-situation –No.7)	Semi arid- region with annual rainfall 550-600 mm, 29 rainy days. Maximum temp – 44˚C, Minimum range – 5 to 12˚C & evaporation
2	North west agro climatic Zone- 5 Maliya (mi) and Halvad block	Arid to semi arid region with annual rain fall – 500 to 550 mm maximum temp - 45˚C, Minimum range – 3 to 12˚C & high evaporation

b. Topography

S. No.	Agro ecological situation	Characteristics
1	Situation No. 7	Plain & hilly areas in wankaner tehsil.
2	Situation No. 5	Plain costal region (saline) affected with desertification

2.3. Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Medium black clayey		202.4
2	Alluvial Soil (sand-loam lomy)		91.8
3	Hilly Soil (light)		13.6
4	Silty Soil (loomy)		5.5

2.4. Area, Production and Productivity of major crops cultivated in the district (2017-18)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Groundnut	49810	83840	1683
2	Cotton (Bt)	219169	387239	1767
3	Pearlmillet	434	413	952
4	Sesame	8903	5797	651
5	Castor	8700	13832	1590
6	Greengram	1429	1156	809
7	Blackgram	1080	1001	927
8	Vegetable	1655	45959	2777
9	Fodder	24542	607853	24768
10	Wheat	3900	13436	3445
11	Gram	2115	2991	1414
12	Cumin	5660	5345	944
Source: District agriculture department.				

2.5. Weather data (2017-18)

Month	Rainfall (mm)	*Temperature 0 C		*Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
June	99.6				
July	498				
August	114				
September	22				
Total	**758**				

*** Parameters in details are not available for Morbi due to unavailability of recording instrument at weather station**

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

Category	Population	Production	Productivity
Cattle	**5,72,000 (2,45,000 milking)**		
Crossbred			
Indigenous			
Buffalo			
Sheep			
Goats			
Pigs			
Crossbred			
Indigenous			
Rabbits			
Poultry			
Hens			
Desi			
Category		Production (Q.)	Productivity
Fish (Reservoir)			

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
Morbi	Morbi	Gorkhijadia Jepur, Bharatnagar, Laxminagar,	Groundnut, Cotton, Sesame, Wheat, Cumin, Gram, Chickpea, Onion. Enterprises are dairy business Vermi composting preparation of roasted groundnut and chikki from groundnut seed	Pink ball worm in Cotton, Heavy infestation of sucking pest in cotton *phytopthora* disease in sesame and white grub infestation in groundnut.	IPM and INM in major crops of this area Increase drainage of soil Motivate the farmers for arid Horticultural crops. Efficient use of irrigation water
Tankara	Tankara	Sajjanpar Hadmatiya Nasitpar Harbattiyali	Groundnut, Cotton, Sesame, Wheat, Cumin, Gram, Chickpea, Garlic, Onion.	*phytopthora* disease in sesame and white grub infestation in groundnut.	IPM and INM in major crops of this area Increase drainage of

		Nasitpar	Vermi composting preparation of roasted groundnut and chikki from groundnut seed	Pink ball worm in Cotton, Heavy infestation of sucking pest in cotton , Nutritional deficiency in animal feed and fodder Less area under Horticultural crops	soil Efficient use of irrigation water
Wankaner	Wankaner	Devipur	*Groundnut, Cotton, Sesame, Wheat, Cumin, Gram. Enterprises are dairy business, Vermi composting, preparation of roasted groundnut and chikki from groundnut seed	Pink ball worm in Cotton Heavy infestation of sucking pest in cotton *phytopthora* disease in sesame and white grub infestation in groundnut Long inter-calving period in Buffalo Nutritional deficiency in animal feed and fodder Less area under Horticultural crops	IPM and INM in major crops of this area Reducing the inter-calving period in Buffalo Motivate the farmers for arid Horticultural crops Efficient use of irrigation water
		Devalia,			

2.8. Priority thrust areas:

Crop/Enterprise	Thrust area
Groundnut, Sesame etc	Increasing the productivity of the major crops by adopting the recommendation of dry farming technologies and to create awareness for value addition.
Water conservation	*In situ* soil moisture conservation and rainwater harvesting. Use of cotton stalk for organic manure.
Cotton	Motivating cotton growers to adopt IPM and INM practices for reducing the cost of production.
women empowerment	Providing self employment through skill oriented income generating activities
Agriculture	Developing interest among youth for agriculture as a profession.
Horticulture	Value addition in agriculture produces through proper grading, processing, marketing and information technology.
Income generating activities	Self employment among rural youth and skill oriented income generating activities.
Nutrition management	Care and importance of nutrition in children & pregnant women.

3. TECHNICAL PROGRAMME

3.1. A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
2	4	20	50

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
20	759	50	14703

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (No's)	Soil Samples
(5)	(6)	(7)	(8)
Groundnut-10 Sesame-3 Black Gram- 6	-	-	-

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

S.No.	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.)*
1.	Cotton	Sucking pest Para witting Pink ball worm	2,19,169 ha	Halvad Tankara Wankaner Morbi block	FLD on pink ball worm management Training on pink ball worm management
2	Groundnut	White grub Stem rot	36900 ha	Tankara Halvad block	OFT on White grub management in groundnut. Training on pest and Disease management in groundnut

3	Cumin	Wilt and Blight	3900 ha	Morbi Halvad Maliya	FLD and OFT on Wilt management and also training for IDM in cumin
4	Wheat	-	-	-	-
5	Chick pea	-	-	-	-

* Support with problem-cause and interventions diagram

3.2.Technologies to be assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Pest Management	-	1	-	-	-	-	-	-	-	1
Integrated Disease Management	-	-	-	1	-	-	-	-	-	1
TOTAL	-	1	-	1	-	-	-	-	-	2

A.2. Abstract on the number of technologies to be refined in respect of crops - Nil

A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises - Nil

A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises - Nil

B. Details of On Farm Trial / Technology Assessment during 2018-19

S. No.	Crop/ enterprise	Prioritized problem	Title of OFT	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the OFT(Rs.)	Parameters to be studied	Team members
1	Ground nut	White grub	Management of White grub in groundnut	1 Sowing of groundnut without Seed treatment. Farmers adopt drenching of Chlorpyriphos or	Gujarat Agri.Uni.	Chlorpyphos for seed treatment	1 leter	1200	2	2400	1)Yield 2) No.of Infested Plant in 1 sqmt area	1) Shri D.A. Saradva 2) Dr.H.D. Mehta

				quinalphos @ 6 lit/ha with irrigation at initiation of pest incidence. (Farmers practice) 2. Seed treatment with chlorpyriphos or quinalphos @ 25 ml/kg seed.(GAU Reco.)							
2	Cumin	Wilt	Use of Trichoderma for cumin wilt	1. No use of trichoderma at the time of sowing.. (Farmers practices.) 2. Application of *Trichoderma* @ 5 kg /ha with organic manure @1000 kg / ha at the time of sowing.. (Recommended practices.) and second application after 25 DAS with some rate	Junagadh Agri Uni.	Trichoderma	10 Kg	1750	2	3500	1) Yield 2) Percentage of incidene in 1 sqmt Area	1) Shri D.A.Saradva 2) Dr.D.S.Hirapara
3	Malnutrition	Maltrition in Child (3 to 5 Year)	Evalution of low cost high calorie and protein diets made from locally available food material	1) Provided by PHC (Different healthy diets in different areas) 2) Low cost, high calorie diet prepared	WHO Report-2017	Powdered-roasted groundnut, rice, any leafy vegetable, Sugar or jiggery	3 Kg	500	3	1500	Height Body weight Blood test (Hb)	1)Dr.H.D. Mehta

				from locally available food material								

C. Technology Refinement during 2018-19, - Nil

3.3. Frontline Demonstrations

A. Details of FLDs to be organized -

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs with cost (Rs.)	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
1	Groundnut	Crop Impr.	New variety of groundnut GJG-22	New variety of groundnut GJG-22	2300 Rs.	*Kharif*-2018	4	10	Yield
2	Cotton	IPM	Pink ball worm management in cotton	Pheromone trap and Beauveria	1100 Rs.	*Kharif*-2018	4	10	Yield & Damage ball / plant
3	Cotton	INM	Nutrient management	Castor cake and Azatobactor	920 Rs.	Rabi-2018	4	10	Yield
4	Cumin	IPM	Wilt management	Trachoderma & GC – 4 seed	1500 Rs.	Rabi-2018	4	10	Yield & Percentage of diseased plant
5	Gram	Crop Impr.	New variety of gram GG-5	New variety of gram GG-5	1500 Rs.	Rabi-2018	4	10	Yield
					Total		**18**	**50**	

Sponsored Demonstration

Crop	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	3	Sep., Oct., December	75
2	Farmers Training	-	-	-
3	Media coverage	-	-	-
4	Training for extension functionaries	1	October	25

C. Details of FLD on Enterprises - Nil

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

A. ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Integrated Crop Management	1	22	0	22	3	0	3	25
Production of organic inputs	1	22	0	22	3	0	3	25
Integrated Farming	1	22	0	22	3	0	3	25
II Horticulture								
a) Vegetable Crops	-	-	-	-	-	-	-	-
Kitchen Gardening	1	0	22	22	0	3	3	25
Grading and standardization	1	0	22	22	0	3	3	25
b) Fruits	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management	-	-	-	-	-	-	-	-
IV Livestock Production and Management								
V Home Science/Women empowerment								
Design and development of low/minimum cost diet	1	0	22	22	0	3	3	25
Value addition	1	0	22	22	0	3	3	25
Income generation activities for empowerment of rural Women	1	0	22	22	0	3	3	25
Women and child care	2	0	44	44	0	6	6	50
VI Agril. Engineering	-	-	-	-	-	-	-	-
Secondary Agriculture	1	22	0	22	3	0	3	25
VII Plant Protection	-	-	-	-	-	-	-	-
Integrated Pest Management	3	66	0	66	9	0	9	75
Integrated Disease Management	2	44	0	44	6	0	6	50
Bio-control of pests and diseases	1	22	0	22	3	0	3	25
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-
VIII Fisheries	-	-	-	-	-	-	-	-
IX Production of Inputs at site	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-
XI Agro-forestry	-	-	-	-	-	-	-	-
XII Others (Pl. Specify)	-	-	-	-	-	-	-	-
TOTAL	**17**	**220**	**154**	**374**	**30**	**21**	**51**	**425**

(B) RURAL YOUTH	-	-	-	-	-	-	-	-
(C) Extension Personnel	-	-	-	-	-	-	-	-
Integrated Pest Management	1	22	0	22	3	0	3	25
TOTAL	**1**	**22**	**0**	**22**	**3**	**0**	**3**	**25**
G. Total	**18**	**242**	**154**	**396**	**33**	**21**	**54**	**450**

B. OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Soil & Water Testing	1	22	0	22	3	0	3	25
Integrated nutrition management	2	44	0	44	6	0	6	50
Soil Fertility management	1	22	0	22	3	0	3	25
	-	-	-	-	-	-	-	-
II Horticulture								
a) Vegetable Crops	-	-	-	-	-	-	-	-
Cultivation of Vegetable	1	0	22	22	0	3	3	25
b) Fruits	-	-	-	-	-	-	-	-
Cultivation of Fruit	1	0	22	22	0	3	3	25
III Soil Health and Fertility Management	-	-	-	-	-	-	-	-
IV Livestock Production and Management								
V Home Science/Women empowerment								
Design and development of low/minimum cost diet	1	0	22	22	0	3	3	25
Value addition	1	0	22	22	0	3	3	25
Income generation activities for empowerment of rural Women	1	0	22	22	0	3	3	25
Rural Crafts	1	0	22	22	0	3	3	25
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	0	22	22	0	3	3	25
VII Plant Protection								
Integrated Pest Management	4	88	0	88	12	0	12	100
Safe use of Pesticide	1	22	0	22	3	0	3	25
VIII Fisheries	-	-	-	-	-	-	-	-
IX Production of Inputs at site	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-
XI Agro-forestry	-	-	-	-	-	-	-	-

XII Others (Pl. Specify)	-	-	-	-	-	-	-	-
Irrigation management in *Rabi* crop	1	22	0	22	3	0	3	25
Total	**17**	**220**	**154**	**374**	**30**	**21**	**51**	**425**

C. Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Integrated Nutrition management	2	44	0	44	6	0	6	50
Soil Fertility management	1	22	0	22	3	0	3	25
Integrated Crop Management	1	22	0	22	3	0	3	25
Soil & Water testing	1	22	0	22	3	0	3	25
Production of organic inputs	1	22	0	22	3	0	3	25
Integrated Farming	1	22	0	22	3	0	3	25
II Horticulture								
a) Vegetable Crops	-	-	-	-	-	-	-	-
Kitchen Gardening	1	0	22	22	0	3	3	25
Grading and standardization	1	0	22	22	0	3	3	25
Cultivation of Vegetable	1	0	22	22	0	3	3	25
b) Fruits	-	-	-	-	-	-	-	-
Cultivation of Fruit	1	0	22	22	0	3	3	25
III Soil Health and Fertility Management	-	-	-	-	-	-	-	-
IV Livestock Production and Management	-	-	-	-	-	-	-	-
V Home Science/Women empowerment								
Design and development of low/minimum cost diet	1	0	22	22	0	3	3	25
Designing and development for high nutrient efficiency diet	1	0	22	22	0	3	3	25
Value addition	2	0	44	44	0	6	6	50
Income generation activities for empowerment of rural Women	2	0	44	44	0	6	6	50
Rural Crafts	1	0	22	22	0	3	3	25
Women and child care	2	0	44	44	0	6	6	50
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	22	0	22	3	0	3	25
Secondary Agriculture	1	22	0	22	3	0	3	25
VII Plant Protection	-	-	-	-	-	-	-	-

Integrated Pest Management	8	176	0	176	24	0	24	200
Safe use of Pesticide	1	22	0	22	3	0	3	25
Integrated Disease Management	2	44	0	44	6	0	6	50
Bio-control of pests and diseases	1	22	0	22	3	0	3	25
VIII Fisheries	-	-	-	-	-	-	-	-
IX Production of Inputs at site	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-
XI Agro-forestry	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-
(B) RURAL YOUTH	-		-	-	-	-	-	-
TOTAL	34	462	286	748	63	39	102	850
(C) Extension Personnel	-	-	-	-	-	-	-	-
Any other (Pl. Specify)								
Irrigation management in *Rabi* crop	1	22	0	22	3	0	3	25
Total	-	-	-	-	-	-	-	-
G. TOTAL	35	484	286	770	66	39	105	875

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

3.5. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	5	80	20	100	6	3	9	86	23	109
Kisan Mela	1	300	100	400	30	5	35	330	105	435
Kisan Ghosthi	7	26	24	50	4	4	8	30	28	58
Exhibition	1	150	120	280	15	10	25	165	130	295
Film Show	3	45	25	70	5	4	9	50	29	79
Farmers Seminar	1	45	20	65	4	6	10	49	26	75
Workshop	-	-	-	-	-	-	-	-	-	-
Group meetings	1	6	2	8	4	3	7	10	5	15
Lectures delivered as resource persons	6	100	60	160	5	5	10	105	65	170
Newspaper coverage	5	-	-	-	-	-	-	-	-	-
Radio talks	3	-	-	-	-	-	-	-	-	-
TV talks	3	-	-	-	-	-	-	-	-	-
Popular articles	-	-	-	-	-	-	-	-	-	-
Extension Literature	7	-	-	-	-	-	-	-	-	-
Advisory Services	-	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	10	-	-	-	-	-	-	-	-	-
Farmers visit to KVK	2000	-	-	-	-	-	-	-	-	-
Diagnostic visits	3	-	-	-	-	-	-	-	-	-
Exposure visits	-	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	-	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test	-	-	-	-	-	-	-	-	-	-

campaigns										
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-
Celebration of important days	5	65	45	110	10	7	17	75	52	127
Krishi Mohostva	1	-	-	-	-	-	-	-	-	-
KrishiRath	1	-	-	-	-	-	-	-	-	-
Pre Kharif workshop	1	-	-	-	-	-	-	-	-	-
Pre Rabi workshop	1	-	-	-	-	-	-	-	-	-
PPVFRA workshop	-	-	-	-	-	-	-	-	-	-
Any Other (Specify)	-	-	-	-	-	-	-	-	-	-
Total	65	817	416	1243	83	47	130	900	463	1363

3.6. Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
OILSEEDS	Groundnut	GJG-22	8
	Sesamun	G-Til-3	3
PULSES	Black Gram	Guj-1	3

PLANTING MATERIALS -Nil

Bio-products (Sales Only)

Sl. No.	Product Name	Species	Quantity	
			No	**(kg)**
BIO PESTICIDES				
1 Beauveria	Savaj brand Beauveria	Basssiana	12000/-	12000/-
2 Trichoderma	Savaj brand Trichoderma	Harzinium	5000/-	5000/-

LIVESTOCK - Nil

4.Literature to be Developed/Published –

Subject – Plant Protection – Phemplets – 3

- **Home Science- Folder – 2**
- **Home Science – Phemplets - 2**

A. KVK News Letter

Date of start :1-3-2018

Number of copies to be published : - On line Publish , JAU site

B. Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	5
2	Technical reports	1
3	News letters	3
4	Training manual all discipline	1
5	Popular article	5
6	Extension literature	5
	Total	**20**

C. Details of Electronic Media to be produced- Nil

D.Success stories/Case studies identified for development as a case. -

Success story:

Economic Empowerment – A contribution in earnings through the profession of dairy farming.

Bio-data of farmers:

1. Name	:	**SONAL PRAKASHBHAI HAN**
		
2. Full postal address with pin code	:	KHOKHANI STREET, NR. GREEN CHOCK, MORBI – 363641
3. Date of Birth	:	26/04/1985 (Age: 32 Years)
4. Education	:	Pass Standard 8th
5. Source of income (Last 3 years)	:	Dairy Farming

Brief information about an individual:

Sonalwas unemployed. The only source of income to her family is the tea-stall business carried out by her husband. This business has no fixed income and based on the situation doesn't provides adequate money to their daily needs. These circumstances inspired Sonal to take some new initiatives which can help her family to stabilize their income and have better livelihood at economical standards. In year 2012, she decided to start dairy farming and purchased a dairy cattle for ₹.25,000/-. She started selling milk and eventually through the regular income of milk and bio product, she has purchased more cattle every year. At present state, she has 35 cattle in her possession out of which 20 are the dairy cattle and remaining are heifers. With these many cattle, she gets 180 liters of milk production daily. Considering the cost of ₹.50 per liter of a milk, today she is earning ₹.9,000/- as her daily income. Now with such stable income source, she has offered jobs to 4 people to take care of her cattle, provided solid support in her family income and cater the saving needs to have better future.

Land holding (ha.):

None

Utility of Innovation/Gaps:

Year	:	2017

Cattle	:	35
Dairy Cattle (Jersey Breed)	:	20
Monthly Income	:	₹.2,70,000
Monthly Expenditure	:	₹.1,43,200
Employee Salary	:	₹.15,000
Total Monthly Profit	:	**₹.1,11,800**

With the help of such monthly profit, she purchased a Maruti Swift car and currently looking for purchasing a batter living space.

Spread of Innovation/Gaps:

By seeing her success story, other women in the surrounding areas are inspired and visited her dairy farm to understand how they can also boost up their economic growth.

Recognition

She has been recognized by Shree Ambika Sakhi Mandal, Morbi and appointed as President of a sub group which inspired other women to be self-sustaining in economical paradigm.

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

5.2.Indicate the methodology for identifying OFTs/FLDs

For OFT:

i) Problem identified from Matrix
ii) Field level observations
iii) Farmer group discussions

For FLD:

i) New variety/technology
ii) Poor yield at farmers level

5.3. Field activities

i. Name of villages identified/adopted with block name (from which year) -2017

Block	Villages
Morbi	Gorkhijadia
	Jepur,
	Bharatnagar,
	Laxminagar,
Tankara	Sajjanpar
	Hadmatiya
	Nasitpar
	Harbattiyali
	Nasitpar
Halwad	Devipur
	Devalia,

ii. No. of farm families selected per village : -

iii. No. of survey/PRA conducted : On hand

iv. No. of technologies taken to the adopted villages: 4

v. Name of the technologies found suitable by the farmers of the adopted villages:

1) White grub management in groundnut (IPM)
2) Wilt management in cumin (IDM)
3) Pink ball warm management in cotton (IPM)
4) Nutrient Management in cotton (INM)

vi. Impact (production, income, employment, area/technological– horizontal/vertical)

To increase the production and productivity.
To increase farm income per area.
To reduce the cost of cultivation.

vii. Constraints if any in the continued application of these improved technologies-No

6. LINKAGES

6.1. Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage (pl. specify)
1.	Agriculture Department	Training, Krishi Mahotsav
2.	ATMA	Training, Krishi Mela

6.2. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage
1	5	Training

6.3.E-linkage during 2018-19- Nil

6.4. Give details of programmes under National Horticultural Mission - Nil

6.5. Nature of linkage with National Fisheries Development Board – Nil

6.6.Additional Activities Planned including sponsored projects (ProCRA / Pro SOIL etc.) / schemes during 2018-19 - Nil

7.0 Convergence with other agencies and departments: - Nil

8. Innovator Farmer's Meet 2018- 2019

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

9. Farmers Field School (FFS) planned 2018-2019 - Nil

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

1.	Yellowing and drying of cotton.
2.	White grub infestation in groundnut.
3.	Salinity problem in Morbi and Maliya taluka.
4.	Yellowing of cumin.
5.	Stunt virus in chickpea.

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

1.	Malnutrition Problem in child.
2.	Pink ball warm problem in cotton.
3.	Para wilting in cotton crop.
4.	White grub problem in groundnut crop.
5.	Sucking pest particularly thrips problem in Cotton, Onion, Chilly and Garlic crop.

11. Utilization of hostel facilities – Nil (No hostel Facility available)

12. ACTION PLAN OF INFRASTRUCTURE IN KVK

A. Action plan of demonstration units (other than instructional farm) -Nil

B. Action plan of instructional farm (Crops) including seed production

Name of the crop	Area (ha)	Details of production (expected)			Expected Amount (Rs.)		Remarks
		Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Pulses	1	Guj-1	Grain	3	21000	25000	Low Yield due To New developed land
Oilseeds	2	GJG-22	Pod	8	36000	40000	
	1	G-Til-3	Grain	3	30000	35000	

C. Action plan of production Units (bio-agents / bio pesticides/ bio fertilizers etc.) - Nil

D. Action plan of instructional farm (livestock and fisheries production) - Nil

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
3/5/2018	PF	Improved cultivation practices for *summer* sesame & pulses.	2	22	0	22	3	0	3	25
25/10/2018	PF	Importance and criteria for organic farming	2	22	0	22	3	0	3	25
Horticulture										
8/5/2018	FW	Household food security by kitchen gardening	2	0	22	22	0	3	3	25
6/1/2019	FW	Benefits of Organic Vegetables Gardening	2	0	22	22	0	3	3	25
Livestock prod.- Nil										
Agril. Engg.										
22/7/2018	PF	– Importance of secondary agriculture	2	22	0	22	3	0	3	25
Home Sc.										
10/5/2018	FW	Malnutrition problems and solutions	2	0	22	22	0	3	3	25
5/7/2018	FW	Information of Income generating activity – Food & Agriculture	2	0	22	22	0	3	3	25
11/11/2018	FW	Home level processing of chili sauce	1	0	22	22	0	3	3	25
15/1/2019	FW	Iron deficiency and solution	2	0	22	22	0	3	3	25
Plan prot.										
12/5/2018	PF	Seed treatment for pest management	2	22	0	22	3	0	3	25
19/7/2018	PF	Integrated insect pests management in groundnut and Cotton	2	22	0	22	3	0	3	25
2/10/2018	PF	Pest & Disease management in *rabi* crops	2	22	0	22	3	0	3	25
2/2/2019	PF	Role of predator and parasite in pest management.	2	22	0	22	3	0	3	25
Fisheries – Nil										
Soil Health – Nil										

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
5/5/2018	PF	Importance of soil analysis and method of soil sampling Importance of crop residue and their recycling.	2	22	0	22	3	0	3	25
6/7/2018	PF	Nutrient management in *summer* crops.	2	22	0	22	3	0	3	25
5/10/2018	PF	INM in Rabi crops	2	22	0	22	3	0	3	25
2/2/2019	PF	Importance and use of bio fertiliser	2	22	0	22	3	0	3	25
Horticulture										
8/7/2018	FW	Improve cultivation practice pomegranate and lemon	2	0	22	22	0	3	3	25
15/11/2018	FW	Production technology of *rabi* vegetables	2	0	22	22	0	3	3	25
Live Stock Production.- Nil										
Agril. Engg.										
4/5/2018	PF	Opération and maintenance of micro irrigation system	2	22	0	22	3	0	3	25
Home Sc.										
20/5/2018	PF	Income generating through Flower Making	2	0	22	22	0	3	3	25
7/7/2018	PF	Home level processing *of* tomato sauce	2	0	22	22	0	3	3	25
1/10/2018	PF	Meal Plans for a women performing hard physical work.	2	0	22	22	0	3	3	25
5/2/2019	PF	Skill Development Training- Candle making	2	0	22	22	0	3	3	25
Plant Protection										
5/6/2018	PF	Store grain pest management and precautions.	2	22	0	22	3	0	3	25
5/7/2018	PF	Management of insect pest & disease in *kharif* crops.	2	22	0	22	3	0	3	25
4/11/2018	PF	IPM in Pomogranate and lemon	2	22	0	22	3	0	3	25
6/2/2019	PF	Safe and judicious use of pesticide	2	22	0	22	3	0	3	25
Fisheries – Nil										
Soil health										
6/6/2018	PF/FW	Impotence of Soil Health	2	22	0	22	3	0	3	25

ii) Vocational training programmes for Rural Youth - Nil

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
6/6/2018	PF	Interated pest management in *Kharif* crops	1	22	0	22	3	0	3	25

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programme											
Plant Protection	ATMA-Morbi	PF	- Integrated pest management in vegetable crops	1	22	0	22	3	0	3	25
Plant Protection	FTC-Morbi	PF	- Irrigation management in *Rabi* crop.	1	22	0	22	3	0	3	25
			Total	**2**	**44**	**0**	**44**	**6**	**0**	**6**	**50**
b) Sponsored research programme – Nil											
c) Any special programmes – Nil											

Annexure - II

Budget - Details of budget utilization (2017-18) up to 31 March 2018

S. No.	Particulars	Sanctioned	Released	Expenditure
13.1	**Recurring Contingencies**			
13.1.1	**Pay & Allowances**	22.07	22.07	15.48720
13.1.2	**Traveling allowances**	0.44	0.44	0.42783
13.1.3	**Contingencies**	6.62	6.62	5.95064
13.1.4.1	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees			
D	Training material			
E	Frontline demonstration except oilseeds and pulses			
F	On farm testing			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
13.1	**Total Recurring**	29.13	29.13	21.86567
13.2	**Non-Recurring Contingencies**	-	-	-
13.2.1	**Works**	-	-	-
13.2.2	**Equipments including SWTL & Furniture**	-	-	-
13.2.3	**Vehicle** (Four wheeler/Two wheeler, please specify)	-	-	-
24.2.4	**Library**	-	-	-
13.2	**Total Non Recurring**	-	-	-
13.3	**REVOLVING FUND**	4.15400	4.15400	0.63369
13.4	**GRAND TOTAL (A+B+C)**	33.28400	33.28400	22.49936

Details of Budget Estimate (2018-19) based on proposed action plan

S. No.	Particulars	BE 2018-19 proposed (Rs.)
14.1	**Recurring Contingencies**	
14.1.1	**Pay & Allowances**	**26.00**
14.1.2	**Traveling allowances**	**0.70**
14.1.3	**Contingencies**	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	**8.70**
B	POL, repair of vehicles, tractor and equipments	**3.0**
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	**1.0**
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	**1.0**
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	**1.5**
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	**1.0**
G	Training of extension functionaries	**0.5**
H	Maintenance of buildings	**-**
I	Establishment of Soil, Plant & Water Testing Laboratory	**-**
J	Library	**0.20**
14.1	**TOTAL Recurring Contingencies**	**43.70**
14.2	**Non-Recurring Contingencies**	**16.0**
14.2.1	**Works**	**215.08**
14.2.2	**Equipments including SWTL & Furniture**	**1.0**
14.2.3	**Vehicle** (Four wheeler + Two wheeler)	**10.0**
14.2.4	**Library** (Purchase of assets like books & journals)	**0.2**
14.2	**TOTAL Non-Recurring Contingencies**	**242.28**
14.3	**REVOLVING FUND**	**Nil**
14.4	**GRAND TOTAL**	**285.98**