



ANNUAL ACTION PLAN

April-2016 to March-2017

KRISHI VIGYAN KENDRA

GANPAT VIDYANAGAR-384012

DIST : MEHSANA(GUJARAT)

Telefax : (02762)289189 ,website : www.kvkmehsana.org

Email: kvkmehsana@yahoo.co.in

DETAILS OF ACTION PLAN OF KVKs DURING 2016-17
(1st April 2016 to 31st March 2017)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
	Office	FAX		
Krishi Vigyan Kendra, Ganpat University, Mehsana District Education Foundation, Mehsana- Gozaria Highway, Ganpat Vidyanagar-384012, Gujarat.	Office: (02762) 289189	FAX: (02762) 289189	kvkmehsana@ yahoo.co.in	www.kvkmehsana.org

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

Address	Telephone		E mail	Website
	Office	FAX		
Mehsana District Education Foundation, Mehsana-Gozaria Highway, Ganpat Vidyanagar -384012, Gujarat	Office: (02762) 286924	FAX: (02762) 286080	info@ganpatunive rsity.ac.in	www.ganpatuniver sity.ac.in

1.2.b. Status of KVK website : Yes

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : 2527

1.2.d Status of ICT lab at your KVK : No







1.3. Name of the Programme Coordinator with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. M.V. Patel	02762-289189	09925279714	manishvpatel76@yahoo.com

1.4. Year of sanction: 2005

1.5. Staff Position (as on 30 Sept. 2015)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Sr. Scientist & Head	Dr.M.V.Patel	Senior Scientist & Head	Horticultural	P.B 4-37400-67000	9000	47800	19/03/2012	Temp	Other	9925279714	manishhorthi@gmail.com	
2	Subject Matter Specialist	Dr.S.M.Soni	SMS	animal Husbandry	P.B.3-15600-39100	5400	27420	23/01/2006	Temp	Other	9228332681	sharadvetya@gmail.com	
3	Subject Matter Specialist	Shri.B.K.Patel	SMS	Agronomy	P.B.3-15600-39100	5400	28510	17/02/2006	Temp	Other	9879820818	bkp.kvk@gmail.com	
4	Subject Matter Specialist	Dr.R.A.Patel	SMS	Plant. Protection	P.B.3-15600-39100	5400	25080	29/08/2009	Temp	Other	9427692805	rapatel_2003@rediffmail.com	
5	Subject Matter Specialist	Shri.M.R.Patel	SMS	Ext Education	P.B.3-15600-39100	5400	22950	09/04/2012	Temp	OBC	8511221158	mrpatelkvk@gmail.com	
6	Subject Matter Specialist	ku.Babita Ramniwas	SMS	Home Science	P.B.3-15600-39100	5400	21000	07/07/2015	Temp	OBC	9157695573	chaudharybabita36@gmail.com	
7	Subject Matter Specialist	Shri.R.A.Kachhadiya	SMS	Agri.Engg.	P.B.3-15600-39100	5400	21000	07/07/2015	Temp	Other	9428989555	ravi.kachhadiya@gmail.com	
8	Farm Manager	Shri.A.R.Patel	Farm Manager	B.Sc(Agr.i)	P.B.2-9300-34800	4200	18870	01/04/2006	Temp	Other	9904058149	ashvinjdn@gmail.com	
9	Program Assistant	Shri.A.D.Patel	Prog. Asst(Computer)	B.Sc Pg.D. C.A	P.B.2-9300-34800	4200	18870	29/05/2006	Temp	Other	9824479651	patelash_ash@yahoo.com	
10	Program Assistant	ku.R.R.Patel	Prog. Asst.(Hom.Sci.)	Home Science	P.B.2-9300-34800	4200	17260	29/08/2009	Temp	Other	9427650382	rinapatel1697@yahoo.in	

11	Accountant/ Superintendent	Shri.J.M.Patel	O.S.C um Accountant	M.Co m Pg.D. C.A	P.B.2- 9300- 34800	4200	17260	01/09/2009	Temp	PH	9924418019	jayesh_patel78@yahoo.com	
12	Stenographer	Shri.G.C.Rathod	Steno	B.Co m	P.B 1 5200- 20200	2400	12900	01/06/2006	Temp	SEBC	9904244617	gcr1411@yahoo.com	
13	Driver Cum Mechanic	Shri.G.S.Patel	Driver	6th Pass	P.B 1 5200- 20200	2000	10560	01/04/2006	Temp	Other	9228203656	gandabhai123@gmail.com	
14	Driver Cum Mechanic	Shri.K.G.Patel	Driver	H.S.C	P.B 1 5200- 20200	2000	10560	25/09/2006	Temp	Other	9909842861	patelkamlshkvk@yahoo.in	
15	Supporting staff	Shri.M.H.Patel	Supporting	I.T.I	P.B 1 5200- 20200	1800	9170	18/05/2006	Temp	Other	9426235880	mhpatelkvk@gmail.com	
16	Supporting Staff	Shri.S.M.Patel	Supporting	I.T.I	P.B 1 5200- 20200	1800	9170	18/05/2006	Temp	Other	3426235879	patelshailshkvk@yahoo.in	

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	4.17
2.	Under Demonstration Units	1.00
3.	Under Crops	3.00
4.	Horticulture	11.00
5.	Pond	0.95
6.	Others if any	-
		20.12

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	31/03/2008	550	4017138			
2.	Farmers Hostel	ICAR	17/04/2008	305.00	5657018			
3.	Staff Quarters (6)	ICAR	17/04/2008	397.50	4719570			
4.	Demonstration Units (2)	ICAR	31/03/2008	80	319000			
5.	Fencing	-						
6.	Rain Water harvesting system	-						
7.	Threshing floor	ICAR	01/03/2007	225	122270			
8.	Farm godown	ICAR	31/03/2008	60	410000			
9.	Implements shed	ICAR	31/01/2012	80	300000			

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Bolero	05/10/2005	5,00,000=00	135740	Moderate
Messy tractor with trolley	23/06/2004	3,50,000=00	8030 hr	Poor
Motor cycle	13/10/2011	50,000=00	8269	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status

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

Sl.No.		Date
1.	Scientific Advisory Committee	18/03/2016

2. DETAILS OF DISTRICT**2.1 Major farming systems/enterprises (based on the analysis made by the KVK)**

S. No	Farming system/enterprise
1	Pearl millet – Mustard – Summer Pearl millet
2	Cotton – Wheat/Cumin – Summer Pearl millet
3	Castor
4	Pearl millet – Tobacco
5	Green gram – Wheat / Mustard – Sorghum /Summer Pearl millet

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	VI	Semi arid and Subtropical

b) Topography

S. No.	Agro ecological situation	Characteristics
1	Alluvial sandy soils with medium rain fall	Sandy and loamy sand soil
2	Alluvial sandy soils with low rain fall	Sandy loam soil
3	Alluvial sandy loam soils with medium rain fall	Sandy loam soil
4	Medium black ill-drained soils with medium rainfall	Sandy, Clay loam and clay soil

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Medium black	<ul style="list-style-type: none"> • Medium water holding capacity, • Medium permeability 	64500
2	Sandy loam	<ul style="list-style-type: none"> • Retain more water and nutrient than sandy soil and black soil 	259700
3	Sandy	<ul style="list-style-type: none"> • Low water holding capacity • High permeability 	28900
4	Saline / salt affected	<ul style="list-style-type: none"> • Salt accumulate on soil surface, • Water logging condition, • Crack formation during summer season • It contain excess neutral soluble salts chiefly chlorides and sulphate of Na, Mg and Ca 	81900
			435000

2.4. Area, Production and Productivity of major crops cultivated in the district (2014-15)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (qt./ha)
1	Cereals			
	Rice (kharif)	6810	2208	3243
	Wheat	69223	19929	2879
	Sorghum(kharif)	66946	3501	523
	Pearlmillet(kharif)	4883	438	897
	Maize	360	35.6	1393
	Other	1744	-	-
2	Pulses			
	Greengram	2359	141	600
	Blackgram	2380	166	700
	Cowpea	1089	65.34	600
	Other	28665	-	-
3	Oilseed			
	Groundnut	7682	1613	2100
	Castor	77667	13583	1749
	Mustard	19453	2408	1238
	Sesamum	2929	102	350
4	Cash crops			
	Cotton	54298	66.79	1230
	Tobacco	12972	1282	988
	Spices crops	8675	388	447
	Vegetables	7965	19462	24435

Source: District agriculture department.

2.5. Weather data (2015-16)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
April-2015	2.8	39.29	23.07	88	52
May-2015	0	41.90	33.79	95	69
June-2015	101.6	37.87	26.90	86	47
July-2015	51.8	35.44	26.44	83	64
August-2015	93.8	32.25	25.20	70	32
September-2015	59.0	34.66	25.08	91	58
October-2015	0	37.01	22.84	95	75
November-2015	0	33.09	17.97	95	74
December-2015	0	28.97	11.49	95	73
January-2016	0	28.28	11.24	94	77
February-2016	0	13.70	13.96	95	75
Total					

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	99324	165920 ton	8.24 kg
<i>Indigenous</i>	94300	58429 ton	2.97 kg
Buffalo	561900	474390 ton	4.16 kg
Sheep			
<i>Crossbred</i>	18900	21 ton	1.1 kg
<i>Indigenous</i>			
Goats	91700	6246 ton	0.31
Pigs			
<i>Crossbred</i>			
<i>Indigenous</i>			
Rabbits			
Poultry			
Hens			
<i>Desi</i>	10200	1193400 no egg	117
<i>Improved</i>	23000	6624000 no egg	288
Ducks			
Turkey and others			
Fish (Reservoir)			

* Dept. of Animal husbandry, Mehsana

2.7 Details of Operational area / Villages

Sl.No.	Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Visnagar	Visnagar	Denap, Kansarakui, Hasanpur, Kansa, Sunsi, Savala, Ganeshpura, Laxmipura, Jetalvasana, Bokarvada, Thalota, Khadalpur	Castor, Cotton, Tobacco, Wheat, Pearl millet, Sorghum, Mustard, Lucerne, Fennel, Cumin, Chilli, Potato, Pomegranate, Acid lime, Ber, Guava, Watermelon, Brinjal, Paddy, Sesamum, Clusterbean, Tomato, Sapota, Aonla, Green gram, livestock, farm implements, home science	<ul style="list-style-type: none"> • Less land holding • No use of high yielding and resistant varieties • No use of micronutrients • Acute shortage of irrigation water • Unawareness about pest identification and disease diagnosis • Shortage of organic manures • Poor quality of manures • Imbalance chemical fertilizers application • Poor physical characteristic of soils • Low availability of green fodder • Crop damaged by wild animals • Low market price of crop produced • Unhealthy raising of vegetables seedling • Low productivity of livestock • Not follow post harvest management • Found health weakness in Girls and women • Improper Orchard management • High cost of cultivation • Labour scarcity • High cost of animal feeds • Unawareness about animal feed management • Found storage loss in grain • Poor socio economic conditions • Lack awareness 	<ul style="list-style-type: none"> • Integrated Crop Management • Integrated Nutrient Management • Integrated Pest Management • Integrated Disease Management • Micro Irrigation System • Disease Management in dairy animal • Feed Management in dairy animals • Dairy Management • Breeding management in dairy animals • Soil fertility management • Nursery Management • Fodder Production • Production of Organics Inputs • Micro nutrients application in crops • Production and Management technology of horticultural crops • Value Addition • Income Generating activities • Low Cost Higher Nutrient Diet • Storage loss Minimisation Technology • Women and Child Care • Household Food Security • Farm Mechanisation • Group Dynamics • Entrepreneurship Development • Local specific Drudgery Reduction Technology
2	Mehsana	Mehsana	Ambasan, Maguna, Laxmipura, Deloli, Gorad, Bodala, Bhakadiya, Buttapaldi, Detrojpur, Haripura, Devrasana, Rupal, Virampura, Sangalpur, Jagudan, Kherva, Langhnaj, Mulsan, Rampura, Linch, Dhandhusana			
3	Kadi	Kadi	Dharapur, Fuletra, Tankiya, Kolad, Manipur, Daran, Mathasur, Shiyapura, Sametra, Khanderavpura, Khavad			
4	Vijapur	Vijapur	Vasai, Dhanpura, Vajapur, Hirpura, Kharod, Mandali,			
5	Satlasana	Satlasana	Kubda, Vasda, Navavas, Bhalumoti, Umari, Nizampur			
6	Bechraji	Bechraji	Ranela, Jetpur, Akba, Shankhalpur, Asjol, Karanapura, Pratapnagar			
7	Vadnagar	Vadnagar	Dabu, Karbatiya, Kamalpur, Sundhiya, Shekhpur, Chhabaliya, Sipor			
8	Kheralu	Kheralu	Malarpura, Thangna, Vaghvadi, Vithoda, Chotia, Chada, Unad			

9	Unjha	Unjha	Amudh, Karli, Laxmipura (Aithor), Khatasana, Aithor, Kahoda, Kantharavi,		<p>about balance diet in BPL families</p> <ul style="list-style-type: none"> • Indiscriminate use of pesticides • Less shelf life of fruits and vegetables • Anemia in adolscent girls and farm women • Lack of knowledge about secondary agriculture • Use of improved farm implements are not affordable • Heavy infestation of nemotodes in fruits and vegetable crops 	<ul style="list-style-type: none"> • Resource conservation technology
10	Jotana	Jotana	Jotana, Santhal, Gokalpura, Nadasa, Kanpura			

2.8 Priority thrust areas

Crop/Enterprise	Thrust area
Cotton, Castor	Integrated Crop Management Integrated Nutrient Management Integrated Disease Management Integrated Pest Management Micro Irrigation System
Sesamum, Blackgram, Clusterbean	Integrated Crop Management Integrated Nutrient Management Integrated Disease Management Seed Production
Fodder Bajra and Sorghum	Integrated Crop Management Integrated Nutrient Management Fodder production
Groundnut	Integrated Crop Management Integrated Nutrient Management Integrated Disease Management Micro Irrigation System Seed Production Integrated Pest Management
Chilli	Integrated Disease Management Integrated Pest Management Integrated Crop Management Integrated Nutrient Management Micro Irrigation System Value Addition Nursery Management Production Technology
Paddy	Integrated Crop Management Integrated Nutrient Management Integrated Disease Management Integrated Nutrient Management Seed Production
Mustard	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management
Wheat	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Repair and maintenance of farm machinery and implements Soil Moisture conservation
Fennel	Integrated Crop Management Integrated Nutrient Management Integrated Disease Management Integrated Pest Management Micro Irrigation System Value Addition
Lucerne	Fodder Production Seed Production
Cumin	Integrated Crop Management Integrated Nutrient Management Integrated Disease Management Integrated Pest Management Value Addition
Tomato	Production Technology Micro Nutrient Application Integrated Disease Management Integrated Pest Management Value Addition Nursery Management Micro Irrigation System Protected Cultivation
Acid Lime, Pomegranate and Guava	Production Technology Micro Nutrient Application

	Integrated Disease Management Integrated Pest Management Value Addition Micro Irrigation System
Kitchen Garden	House hold Food Security by kitchen gardening and nutritional gardening
Potato	Integrated Crop Management Integrated Nutrient Management Integrated Disease Management Integrated Pest Management Micro Irrigation System Value Addition
Sorghum	Fodder Production Seed Production Integrated Nutrient Management
Farm Implements	Local Specific Drudgery Reduction Technology Farm Mechanization Production of small tools and implements
Cattle	Dairy Management Feed Management Disease Management Breeding Management Production of livestock feed and fodder
Soil Health	Production of Organic Inputs Soil Fertility Management
Women Empowerment & Home Science	Income Generating Activities Women and child care Value Addition Low Cost High Nutrient Diet Drudgery reduction
Capacity Building	Group Dynamics Entrepreneurship Development

3. TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

OFT (1)		FLD (2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
10	100	185	622

Training (3)		Extension Activities (4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
107	1748	860	8107

Seed Production (Qtl.) (5)	Planting material (Nos.) (6)	Fish seed prod. (Nos) (7)	Soil Samples (8)
66	195000	-	330

3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Integrated Crop Management and nursery management	Cotton, Castor, Sesamum, Blackgram, Clusterbean, Pearl millet, Groundnut, Mustard, Wheat, Fennel, Cumin, Potato, Chilli, Tomato	<ul style="list-style-type: none"> • Low productivity of the major crops, • No use of high yielding variety • Unhealthy raising of vegetable seedling • Improper orchard management 	Minimization of transportation loss in tomato	Component Demonstration on, Fennel, Mustard, Chilli, Cotton, Wheat, Fenugreek, Ajwain, Castor, Blackgram, Groundnut	<ul style="list-style-type: none"> • Scientific cultivation of major crops • seed production • weed management • Production technology of horticultural crops 	Organic farming, Prime minister fasal bima yojna	<ul style="list-style-type: none"> -Field day -Field visit -SHG -News Paper coverage -FLDs -Telephonic guidance - Group discussion 	Supply of seeds of high yielding varieties of Fennel, Mustard, Cotton, Wheat, awain, fenugreek and seedling of Chill
2	Integrated Pest Management	Cotton, Castor, Acid lime, Pomgranate, Mustard, Wheat, Fennel, Cumin, Potato and Chilli	<ul style="list-style-type: none"> -Indiscriminate use of pesticides -Unawareness about pest identification - Heavy infestation of nematode in fruits and vegetable crops - Found storage loss in grains, fruits and vegetable 		Demonstration on Tomato, Cotton, Chilli	<ul style="list-style-type: none"> -IPM in major crops - Biocontrol of pests and diseases - Bioagent and biopesticides production -Management of stored grains pest 	Role of bio pesticides in agriculture	<ul style="list-style-type: none"> -Field visit -diagnostic service -Method demonstration -Telephonic guidance -Group discussion -News paper coverage 	- Supply Beauvaria bassiana, Pheromone trap, HNPV and Neem oil

3	Integrated Disease Management	Cotton, Castor, Sesamum, Blackgram, Clusterbean, Acid lime, Pomgranate, Groundnut, Tomato, Fennel, Cumin, Potato and Chilli, Guava	Unawareness about disease diagnosis	Gummosis Management in acid lime Assessment of technology for management of alternaria blight in cumin	Demonstration on Guava and Ground nut	-IDM in major crops - Bio control of diseases	--	- Field visit -diagnostic service -Method demonstration -Telephonic guidance -Group discussion -News paper coverage	Supply Trichoderma, paecilomyces
4	Integrated Nutrient Management	Cotton, Castor, Sesamum, Blackgram, Clusterbean, Pearl millet, Groundnut, Mustard, Wheat, Fennel, Tomato, Pomgranate, Acid lime, Sorghum, Potato, Chilli, Wheat	- Imbalance chemical fertilizer application - No use of micro nutrients - Shortage of organic manures - Poor quality of manures	Foliar nutrition of citrus special for high and quality yield of Acid lime -Foliar application of plants regulator consortia (castor gold) for improving pistillate efficiency and yield	Demonstration on cumin	Integrated Nutrient Management in Major crops - Nutrient use efficiency	-	-Field visit - Field day -Diagnostic service -Telephonic guidance -News paper coverage	-Supply of sulphur Zinc sulphate, PSB, Azotobacter, Rhizobium, FeSO ₄
5	Micro Irrigation System	Cotton, Castor, Tomato, Pomgranate, Acid lime, Groundnut, Fennel, Potato and Chilli	- Acute shortage of irrigation water - Improper orchard management	-	-	-Drip irrigation in cash crops -Repair & - Maintenance of MIS	-	-Fields visit -Diagnostic service	-

6	Fodder Production	Lucerne, Sorghum.	<ul style="list-style-type: none"> - Low availability of green fodder - Low productivity of live stock - Unawareness about feed managment - High cost of animal feed 		Demonstration on Lucerne	Scientific cultivation of fodder crops	-	<ul style="list-style-type: none"> -Field day -Field visit -SHG -News Paper coverage -FLDs -Telephonic guidance - Group discussion 	Supply seed of Lucerne
7	Soil fertility management and Soil moisture conservation	Major oilseeds, cash crops, food grains, pulses and Horticultural crops	<ul style="list-style-type: none"> - Shortage of organic manures - Poor quality of manures - Poor physical characteristics of soil 			<ul style="list-style-type: none"> -Training on organic farming -Vermi compost production - Training on green manuring 	Importance of soil health card	<ul style="list-style-type: none"> -News Paper coverage -Field visit -Film show -Method demonstration 	
8	Dairy management	Cattle	<ul style="list-style-type: none"> - Low productivity of live stock - Lack of knowledge about secondary agricultural business 		-	Trainings on Scientific dairy managment	-	<ul style="list-style-type: none"> -Diagnostic service -News Paper coverage -Field visit -Film show -Method demonstration -Animal Health Camp 	--

9	Feed management	Cattle	<ul style="list-style-type: none"> - Low availability of green fodder - Low productivity of live stock - Unawareness about feed management - High cost of animal feed 	<p>Assessment of chelated mineral mixture on milk production in Mehsani buffalo</p> <p>-To assess the effect of probiotic on milk production</p>	Demonstration on Urea treatment in wheat straw, azolla	Trainings on feeding	-	<ul style="list-style-type: none"> -Diagnostic service -News Paper coverage -Field visit -Film show -Method demonstration -Animal Health Camp 	-Supply of Urea, plastic sheet, Azolla through FLD
10	Disease management	Cattle, Poultry	<ul style="list-style-type: none"> - Low productivity of live stock - Heavy mortality rate in chicks - Lack of knowledge about secondary agricultural business 	-	Demonstration on Fenbendazole and potassium permanganate	Training on disease management in cattle and poultry management		<ul style="list-style-type: none"> -Diagnostic service -News Paper coverage -Field visit -Film show -Method demonstration -Animal Health Camp 	-Supply of Fenbendazole and Potassium permanganate through FLD

11	Value Addition	Chilli, Cumin, Tomato, Acid lime, Pomogranate and Potato	<ul style="list-style-type: none"> -Low market price of crop produce - Not follow post harvest techniques -Lack of awareness about balance diet in BPL families - Less self life of fruits and vegetables - Found stroge loss in grains 	-		<ul style="list-style-type: none"> -Trainings on value added products of Chilli, Cumin, Tomato, Acid lime and Potato 	-	<ul style="list-style-type: none"> - Method demonstration -Group meetings -Group discussion -Popular articles -Exposure visit 	-
12	Group dynamics	--	<ul style="list-style-type: none"> -Less land holding -Crop damage by wild animals -Labour scarcity - High cost of cultivation 	-	-	<ul style="list-style-type: none"> -Enterprenurship development, - Formation, management and sustainability of farmer clubs, SHGs and formal groups exists in village 	-	<ul style="list-style-type: none"> -Group meetings -Group discussion -Exposure tour -Telephonic guidance 	-

13	House hold food security and Women and child care	--	-Lack of awareness about balance diet in BPL families - Less shelf life of fruits and vegetables -Anemia in adolcent girls and farm women -Poor Socio Economic condition - Found health weakness in girls and farm women	-Assessment of technology for hemoglobin maintain in adolescent girls - Assessment of method of oil less mango pickle	Demonstration on Kitchen garden, double reflector type solar cooker,	-Importance of balanced diet -Health care of pregnant women -Training on income generating activities -Kitchen gardening - Women and childcare -Storage loss minimization techniques	Nutrition education tour to combat mal nutrition	-Group meetings - Film show -Method demonstration - Popular articles	-Seeds and seedlings of seasonal vegetables distribution for kitchen gardening, double reflector type solar cooker through FLD
14	Location specific drudgery reduction technology	Major oilseeds, cash crops, food grains, pulses and Horticultural crops and improved agricultural implements	-Less land holding -Labour scarcity - High cost of cultivation - Use of improved farm implements are not affordable	-	Demonstration on Wheel hoe, Naveen dibbler, Manual double screen cleaner, Groundnut decorticated, Serrated sickle	Importance of improved agril. Machinery - Drudgery reduction in agriculture	-	Demonstration of improved machineries -Film show -Method demonstration of improved agricultural implements	- Supply wheel hoe Naveen dibbler
15	Post-harvest technology	Acid lime			Demonstration on fruit grader	-Value addition - Small scale processing		-Field day -Field visit -News Paper coverage -FLDs -Telephonic guidance - Group discussion	

16	Repair and maintenance of farm machinery and implements	Cotton, Wheat			Demonstration on power weeder and zero seed drill	- Fuel saving - Farm mechanization		-Field day -Field visit -News Paper coverage -FLDs -Telephonic guidance - Group discussion	
----	---	---------------	--	--	---	---------------------------------------	--	---	--

3.1 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
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management		1	1			1				3
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management										
Integrated Disease Management				1		1				2
Resource conservation technology										
Small Scale income generating enterprises										
Post-harvest technology					1					1
TOTAL		1	1	1	1	2				6

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL										

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
Feed management	2							2
TOTAL	2							2

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								

A.5. Abstract of the number of technologies assessed in respect of Home Science

Thematic areas	Women	TOTAL
Household food security by kitchen gardening and nutrition gardening		
Design and development of low/minimum cost diet		
Designing and development for high nutrient efficiency diet		
Minimization of nutrient loss in processing		
Gender mainstreaming through SHGs		
Storage loss minimization techniques	1	1
Value addition		
Income generation activities for empowerment of rural Women		
Location specific drudgery reduction technologies		
Rural Crafts		
Women and child care	1	1
TOTAL	2	2

A.6. Abstract on the number of technologies refined in respect of Home Science

Thematic areas	Women	TOTAL
Household food security by kitchen gardening and nutrition gardening		
Design and development of low/minimum cost diet		
Designing and development for high nutrient efficiency diet		
Minimization of nutrient loss in processing		
Gender mainstreaming through SHGs		
Storage loss minimization techniques		
Value addition		
Income generation activities for empowerment of rural Women		
Location specific drudgery reduction technologies		
Rural Crafts		
Women and child care		
TOTAL		

B. Details of On Farm Trial

OFT- 1

1. Title	:	Foliar application of plant regulator consortia (castor gold) for improving pistillate efficiency and yield.									
2. Problem diagnose/defined	:	Low yield due to conversion of female flower to male flower									
3. Details of technologies selected for assessment /refinement	:	<table border="1"><thead><tr><th></th><th>Source</th><th>Technology</th></tr></thead><tbody><tr><td>T₁</td><td>Recommended by SAU's</td><td>N : P : K - 180 : 37.5 : 0 kg /ha</td></tr><tr><td>T₂</td><td>To be assessed by KVK</td><td>T₁ + spraying of 0.05% plant growth regulator consortia (castor gold) at 25th and 60th DAS</td></tr></tbody></table>		Source	Technology	T ₁	Recommended by SAU's	N : P : K - 180 : 37.5 : 0 kg /ha	T ₂	To be assessed by KVK	T ₁ + spraying of 0.05% plant growth regulator consortia (castor gold) at 25 th and 60 th DAS
	Source	Technology									
T ₁	Recommended by SAU's	N : P : K - 180 : 37.5 : 0 kg /ha									
T ₂	To be assessed by KVK	T ₁ + spraying of 0.05% plant growth regulator consortia (castor gold) at 25 th and 60 th DAS									
4. Source of technology	:	TNAU, Coimbtore									
5. Production system	:	Irrigated									
6. Thematic area	:	Integrated Nutrient Management									
7. Performance of the Technology with performance indicators	:	Yield (kg/ha.) No. of pistillate flower									
8. Final recommendation for micro level situation	:	First year experiment									
9. Constraints identified and feedback for research	:	-									
10. Process of farmers participation and their reaction	:	Group meetings and Field visits									

OFT-2

1. Title	:	Nutrient Management in Blackgram	
2. Problem diagnose/defined	:	Low yield due to poor seed setting	
3. Details of technologies selected for assessment /refinement	:	Source	Technology
		T ₁ Recommended by SAU's	N : P : K - 10 : 20 : 00 kg/ha
		T ₂ To be assessed by KVK	T ₁ + two spray of 2% DAP first spray at appearance of flowering and second spray at 15 days after
4. Source of technology	:	TNAU, Tamilnadu	
5. Production system	:	Rainfed	
6. Thematic area	:	Integrated Nutrient Management	
7. Performance of the Technology with performance indicators	:	Yield, 100 seed weight	
8. Final recommendation for micro level situation	:	First year experiment	
9. Constraints identified and feedback for research	:	-	
10. Process of farmers participation and their reaction	:	Group meetings and Field visits	

OFT- 3

1. Title	:	Foliar nutrition of Citrus special for high yield and quality of Acid lime									
2. Problem diagnose/defined	:	Yield loss due to deficiency of micro nutrients									
3. Details of technologies selected for assessment /refinement	:	<table><thead><tr><th></th><th>Source</th><th>Technology</th></tr></thead><tbody><tr><td>T₁</td><td>Recommended by SAU's</td><td>Spraying of 0.5 % ZnSo₄, 0.5 to 0.75 % FeSo₄ and 2.5% lime solution at the time of emergence of new leaves.</td></tr><tr><td>T₂</td><td>to be assessed by KVK</td><td>Foliar spray of citrus special @ 5 gm/lit water during November, December, and January.</td></tr></tbody></table>		Source	Technology	T ₁	Recommended by SAU's	Spraying of 0.5 % ZnSo ₄ , 0.5 to 0.75 % FeSo ₄ and 2.5% lime solution at the time of emergence of new leaves.	T ₂	to be assessed by KVK	Foliar spray of citrus special @ 5 gm/lit water during November, December, and January.
	Source	Technology									
T ₁	Recommended by SAU's	Spraying of 0.5 % ZnSo ₄ , 0.5 to 0.75 % FeSo ₄ and 2.5% lime solution at the time of emergence of new leaves.									
T ₂	to be assessed by KVK	Foliar spray of citrus special @ 5 gm/lit water during November, December, and January.									
4. Source of technology	:	IIHR, Bangaluru									
5. Production system	:	Irrigated									
6. Thematic area	:	Integrated Nutrient Management									
7. Performance of the Technology with performance indicators	:	No. of fruit per plant, Fruit yield per plant (kg)									
8. Final recommendation for micro level situation	:	First year experiment result awaited									
9. Constraints identified and feedback for research	:	-									
10. Process of farmers participation and their reaction	:	Group meetings and Field visit, Field day									

OFT-4

1. Title	:	Assessment of technology for management of alternaria blight in cumin									
2. Problem diagnose/defined	:	Very low yield and low market price due to inferior seed quality									
3. Details of technologies selected for assessment /refinement	:	<table><thead><tr><th></th><th>Source</th><th>Technology</th></tr></thead><tbody><tr><td>T₁</td><td>Recommended by SAU's</td><td>Seed treatment with thiram @ 5 gm/kg seeds followed by Sprays of Mancozeb 75% WP, 0.25% with soap solution starting from 35 DAS at 10 days interval</td></tr><tr><td>T₂</td><td>To be assessed by KVK</td><td>Seed treatment with thiram @ 5 gm/kg seeds followed by spray of propineb 70% WP, 0.2% with soap solution starting from disease initiation at 10 days interval</td></tr></tbody></table>		Source	Technology	T ₁	Recommended by SAU's	Seed treatment with thiram @ 5 gm/kg seeds followed by Sprays of Mancozeb 75% WP, 0.25% with soap solution starting from 35 DAS at 10 days interval	T ₂	To be assessed by KVK	Seed treatment with thiram @ 5 gm/kg seeds followed by spray of propineb 70% WP, 0.2% with soap solution starting from disease initiation at 10 days interval
	Source	Technology									
T ₁	Recommended by SAU's	Seed treatment with thiram @ 5 gm/kg seeds followed by Sprays of Mancozeb 75% WP, 0.25% with soap solution starting from 35 DAS at 10 days interval									
T ₂	To be assessed by KVK	Seed treatment with thiram @ 5 gm/kg seeds followed by spray of propineb 70% WP, 0.2% with soap solution starting from disease initiation at 10 days interval									
4. Source of technology	:	SAU's (AAU, Anand)									
5. Production system	:	Irrigated									
6. Thematic area	:	Disease Management									
7. Performance of the Technology with performance indicators	:	Percent disease Index and yield									
8. Final recommendation for micro level situation	:	First year experiment									
9. Constraints identified and feedback for research	:	-									
10. Process of farmers participation and their reaction	:	Group meetings and Field visits									

OFT-5

1. Title	:	Gummosis Management in acid lime									
2. Problem diagnose/defined	:	Low production due to gummosis									
3. Details of technologies selected for assessment /refinement	:	<table><thead><tr><th></th><th>Source</th><th>Technology</th></tr></thead><tbody><tr><td>T₁</td><td>Recommended by SAU's</td><td>Spraying of COC 40 gm / 10 lit water at appearance of disease</td></tr><tr><td>T₂</td><td>To be assessed by KVK</td><td>Spraying of Fosetyl-AL 80 % WDG 25 gm / 10 lit water at appearance of disease</td></tr></tbody></table>		Source	Technology	T ₁	Recommended by SAU's	Spraying of COC 40 gm / 10 lit water at appearance of disease	T ₂	To be assessed by KVK	Spraying of Fosetyl-AL 80 % WDG 25 gm / 10 lit water at appearance of disease
	Source	Technology									
T ₁	Recommended by SAU's	Spraying of COC 40 gm / 10 lit water at appearance of disease									
T ₂	To be assessed by KVK	Spraying of Fosetyl-AL 80 % WDG 25 gm / 10 lit water at appearance of disease									
4. Source of technology	:	CCRI (Central Citrus Research Insti. Nagpur)									
5. Production system	:	Irrigated									
6. Thematic area	:	Integrated Disease Management									
7. Performance of the Technology with performance indicators	:	Percent disease infestation and yield									
8. Final recommendation for micro level situation	:	First year experiment									
9. Constraints identified and feedback for research	:	-									
10. Process of farmers participation and their reaction	:	Group meetings and Field visits									

Buffalo

OFT-6

1. Title	:	Minimization of transportation loss in tomato										
2. Problem diagnose/defined	:	Damage in transportation										
3. Details of technologies selected for assessment /refinement	:	<hr/> <table><thead><tr><th></th><th>Source</th><th>Technology</th></tr></thead><tbody><tr><td>T₁</td><td>Farmers practices</td><td>Plastic crates</td></tr><tr><td>T₂</td><td>Assessment</td><td>Folding plastic box</td></tr></tbody></table> <hr/>			Source	Technology	T ₁	Farmers practices	Plastic crates	T ₂	Assessment	Folding plastic box
	Source	Technology										
T ₁	Farmers practices	Plastic crates										
T ₂	Assessment	Folding plastic box										
4. Source of technology	:	JAU, Junagadh										
5. Production system	:	-										
6. Thematic area	:	Post harvest management										
7. Performance of the Technology with performance indicators	:	Damage to fruits										
8. Final recommendation for micro level situation	:											
9. Constraints identified and feedback for research	:	-										
10. Process of farmers participation and their reaction	:	Group meetings and Field visits										

OFT -7

1.	Title	:	To assess the effect of probiotic on milk production.									
2.	Problem diagnose/define	:	Improper mixing and proportion of cereals, legumes and concentrate in animal feed leads to imbalance microbial activity and result in to low digestibility which leads to decrease milk production.									
3.	Details of technologies selected for assessment											
			<hr/> <table><thead><tr><th></th><th>Source</th><th>Technology</th></tr></thead><tbody><tr><td>T1</td><td><i>Farmers practice</i></td><td>(Dry and green fodder, concentration and cotton seed cake)</td></tr><tr><td>T2 -</td><td><i>Assessment</i></td><td>T1 + Probiotic 20 gm per day for 60 days</td></tr></tbody></table> <hr/>		Source	Technology	T1	<i>Farmers practice</i>	(Dry and green fodder, concentration and cotton seed cake)	T2 -	<i>Assessment</i>	T1 + Probiotic 20 gm per day for 60 days
	Source	Technology										
T1	<i>Farmers practice</i>	(Dry and green fodder, concentration and cotton seed cake)										
T2 -	<i>Assessment</i>	T1 + Probiotic 20 gm per day for 60 days										
4.	Source of technology	:	SAU, Gujarat									
5.	Production system	:	-									
6.	Thematic area	:	Feed Management									
7.	Performance of the Technology with performance indicators	:	Milk production per lactation									
8.	Final recommendation for micro level situation	:	First year result									
9.	Constraints identified and feedback for research	:	-									
10.	Process of farmers participation and their reaction		Group meetings and field visits									
11	Result of OFT	:	First year result									

OFT-8

1. Title	:	Assessment of chelated mineral mixture on milk production in Mehsani buffalo									
2. Problem diagnose/defined	:	Low milk production in lactating buffalo									
3. Details of technologies selected for assessment /refinement	:	<table><thead><tr><th></th><th>Source</th><th>Technology</th></tr></thead><tbody><tr><td>T₁</td><td>Farmers practices</td><td>Use of green fodder, dry fodder, concentrate with mineral mixture @30 gm day for 90 days</td></tr><tr><td>T₂</td><td>Assessment</td><td>Use of green fodder, dry fodder, concentrate with chelated mineral mixture @30 gm day for 90 days,</td></tr></tbody></table>		Source	Technology	T ₁	Farmers practices	Use of green fodder, dry fodder, concentrate with mineral mixture @30 gm day for 90 days	T ₂	Assessment	Use of green fodder, dry fodder, concentrate with chelated mineral mixture @30 gm day for 90 days,
	Source	Technology									
T ₁	Farmers practices	Use of green fodder, dry fodder, concentrate with mineral mixture @30 gm day for 90 days									
T ₂	Assessment	Use of green fodder, dry fodder, concentrate with chelated mineral mixture @30 gm day for 90 days,									
4. Source of technology	:	SAU									
5. Production system	:	-									
6. Thematic area	:	Nutrient Management									
7. Performance of the Technology with performance indicators	:	Milk production									
8. Final recommendation for micro level situation	:										
9. Constraints identified and feedback for research	:	-									
10. Process of farmers participation and their reaction	:	Group meetings and Field visits									

OFT-9

1. Title	:	Assessment of technology for hemoglobin maintain in adolescent girls									
2. Problem diagnose/defined	:	Low level of hemoglobin in adolescent girls									
3. Details of technologies selected for assessment /refinement	:	<table><thead><tr><th></th><th>Source</th><th>Technology</th></tr></thead><tbody><tr><td>T₁</td><td>Recommended by GOG</td><td>Recommended iron supplement capsule</td></tr><tr><td>T₂</td><td>To be assessed by KVK</td><td>Drum stick pods and leaves powder 2000 mg + 1 glass lemon sherbat</td></tr></tbody></table>		Source	Technology	T ₁	Recommended by GOG	Recommended iron supplement capsule	T ₂	To be assessed by KVK	Drum stick pods and leaves powder 2000 mg + 1 glass lemon sherbat
	Source	Technology									
T ₁	Recommended by GOG	Recommended iron supplement capsule									
T ₂	To be assessed by KVK	Drum stick pods and leaves powder 2000 mg + 1 glass lemon sherbat									
4. Source of technology	:	Dept of Health, Govt. of Gujarat									
5. Production system	:	-									
6. Thematic area	:	Women and childcare									
7. Performance of the Technology with performance indicators	:	Hb percentage in blood (gm), body weight (kg)									
8. Final recommendation for micro level situation	:	First year experiment									
9. Constraints identified and feedback for research	:	-									
10. Process of farmers participation and their reaction	:	Group meetings and Field visits									

OFT-10

1. Title	:	Assessment of method of oil less mango pickle									
2. Problem diagnose/defined	:	Spoilage in pickle during storage									
3. Details of technologies selected for assessment /refinement	:	<table><thead><tr><th></th><th>Source</th><th>Technology</th></tr></thead><tbody><tr><td>T₁</td><td>CISH, Lucknow</td><td>Oil less pickle+ Sodium benzoate</td></tr><tr><td>T₂</td><td>Assess by KVK</td><td>Oil less pickle + Sodium benzoate + vinegar</td></tr></tbody></table>		Source	Technology	T ₁	CISH, Lucknow	Oil less pickle+ Sodium benzoate	T ₂	Assess by KVK	Oil less pickle + Sodium benzoate + vinegar
	Source	Technology									
T ₁	CISH, Lucknow	Oil less pickle+ Sodium benzoate									
T ₂	Assess by KVK	Oil less pickle + Sodium benzoate + vinegar									
4. Source of technology	:	CISH, Lucknow									
5. Production system	:	-									
6. Thematic area	:	Storage loss minimization techniques									
7. Performance of the Technology with performance indicators	:	Durability, taste and color									
8. Final recommendation for micro level situation	:	First year experiment									
9. Constraints identified and feedback for research	:	-									
10. Process of farmers participation and their reaction	:	Group meetings and Field visits									

3.2 Frontline Demonstrations

A. Details of FLDs to be organized -

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/demon.	Parameters identified
1	Cotton	GTHH-49	ICM	ICM	Seed+PSB+ Azotobacter	Kharif-2016-17	5	12	Yield
2	Castor	GCH-7	ICM	ICM	Full package	Kharif-2016-17	30	75	Yield
3	Blackgram	GU-1	ICM	ICM	Full package	Kharif-2016-17	20	50	Yield
4	Groundnut	GJGHPS-1	ICM	ICM	Full package	Kharif-2016-17	30	75	Yield
5	Mustard	GDM-4	ICM	ICM	Full package	Rabi-2016-17	30	75	Yield
6	Wheat	GW-451	ICM	ICM	Seed+ZnSO ₄ +PSB+Azotobacter	Rabi-2016-17	10	25	Yield
7	Cotton	-	IPM	IPM	Neem oil, beauvaria bassiana	Kharif-2016-17	5	12	Yield
8	Groundnut	-	IDM	IDM	Trichoderma	Kharif-2016-17	5	12	Yield
9	Chilli	-	IPM	IPM	Neem oil, beauvaria bassiana	Kharif-2016-17	5	12	Yield
10	Tomato	-	IPM	IPM	Neem oil, beauvaria bassiana, HNPV	Kharif-2016-17	5	12	Yield
11	Guava	-	IDM	IDM	Trichoderma, Paecilomyces lilacinus	Kharif-2016-17	5	12	Yield
12	Fennel	GF-12	ICM	ICM	Seed+Sulphur+PSB+Azotobacter	Kharif-2016-17	10	25	Yield
13	Ajwain	GA-2	ICM	ICM	Seed+Sulphur+PSB+Azotobacter	Rabi-2016-17	5	12	Yield
14	Fenugreek	GM-2	ICM	ICM	Seed+Sulphur+PSB+Azotobacter	Rabi-2016-17	5	12	Yield
15	Chilli	GC-3	ICM	ICM	Seedling+ mycorrhiza	Kharif-2016-17	5	12	Yield
16	Cumin	-	INM	INM	FeSO ₄ , ZnSO ₄	Rabi-2016-17	5	12	Yield
17	Manual double screen cleaner	-	Drudgery reduction	Drudgery reduction	Manual double screen cleaner	Rabi, 2016-17	-	5	Time and Labour saving
18	Groundnut decorticator	-	Drudgery reduction	Drudgery reduction	Groundnut decorticator	Rabi, 2016-17	-	5	Time and Labour saving
19	Kitchen garden	-	House hold food security by kitchen gardening and nutrition gardening	House hold food security by kitchen gardening and nutrition gardening	Seeds and seedling	Kharif-2016-17	-	20	Yield
20	Double reflector type solar cooker	-	Minimization of nutrient loss in processing	Minimization of nutrient loss in processing	Double reflector type solar cooker	Rabi, 2016-17	-	5	Fuel consumption
21	Serrated sickle	-	Drudgery reduction	Drudgery reduction	Serrated sickle	Rabi, 2016-17	-	10	Labour, Time saving.
Total							180	490	

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	45	-	1025
2	Farmers Training	31	-	740
3	Media coverage	0	-	0
4	Training for extension functionaries	0	-	0

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Fruit grader	Lime	Kharif-2016-17	10		Fruit grader	Yield
Wheelhoe	Bajara	Summer-2016-17	10		Wheelhoe	Labour saving, yield
Power weeder	Cotton	Kharif-2016-17	10		Power weeder	Time and Labour saving
Zero seed drill	Wheat	Rabi-2016-17	10		Zero seed drill	Yield
Naveen dibbler	Castor	Kharif-2016-17	10		Naveen dibbler	Yield
Total			50			

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Urea treatment in wheat straw	Mehsani buffalo	20	20	Plastic sheet, urea	Milk production
Potassium permanganate	Mehsani buffalo	20	20	Potassium permanganate	Disease incidence, milk production
Fenbendazole	Mehsani buffalo	20	20	Fenbendazole	Milk production
Lucerne	Mehsani buffalo	12	12	Seed+PSB+Rhizobium	Fodder production
Azolla	Mehsani buffalo	10	10	Plastic + Azolla	Milk production
Total		82	82		

3.3 Training (Including the sponsored and FLD training programmes):

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management								
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management	10	482	0	482	38	0	38	520
Fodder production								
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	1	18	0	18	2	0	2	20
Off-season vegetables								
Nursery raising								
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								
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	4	77	0	77	8	0	8	85
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility 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								
IV Livestock Production and Management								
Dairy Management	5	0	137	137	0	23	23	160
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management	1	0	17	17	0	3	3	20
Feed management	1	0	17	17	0	3	3	20
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening								
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing	1	0	13	13	0	2	2	15
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition	1	0	17	17	0	3	3	20
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies	1	0	17	17	0	3	3	20
Rural Crafts								
Women and child care	2	0	34	34	0	6	6	40
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	17	0	17	3	0	3	20
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements	2	34	0	34	6	0	6	40
Small scale processing and value addition								
Post Harvest Technology	1	17	0	17	3	0	3	20
VII Plant Protection								
Integrated Pest Management	1	20	0	20	0	0	0	20
Integrated Disease Management	4	57	17	74	3	3	6	80
Bio-control of pests and diseases	2	40	0	40	0	0	0	40
Production of bio control agents and 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	1	18	0	18	2	0	2	20

Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development	2	38	0	38	2	0	2	40
Group dynamics								
Formation and Management of SHGs	1	18	0	18	2	0	2	20
Mobilization of social capital	1	18	0	18	2	0	2	20
Entrepreneurial development of farmers/youths	1	18	0	18	2	0	2	20
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL	44	872	269	1141	73	46	119	945
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming	1	19	0	19	1	0	1	20
Seed production	2	37	0	37	3	0	3	40
Production of organic inputs	2	38	0	38	2	0	2	40
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	1	20	0	20	0	0	0	20
Nursery Management of Horticulture crops	1	20	0	20	0	0	0	20
Training and pruning of orchards								
Value addition	1	0	18	18	0	2	2	20
Production of quality animal products								
Dairying	1	19	0	19	1	0	1	20
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	0	18	18	0	2	2	20
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
TOTAL	10	153	36	189	7	4	11	200
(C) Extension Personnel								
Productivity enhancement in field crops	1	17	1	18	1	1	2	20
Integrated Pest Management	1	16	0	16	4	0	4	20
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers	1	10	10	20	0	0	0	20

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	1	0	17	17	0	3	3	20
Low cost and nutrient efficient diet designing								
Production and use of organic inputs	1	15	5	20	0	0	0	20
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
Total	5	58	33	91	5	4	9	63
G. TOTAL	59	1083	338	1421	85	54	139	1168

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	38	0	38	2	0	2	40
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management	2	36	0	36	4	0	4	40
Fodder production								
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	1	18	0	18	2	0	2	20
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables	1	20	0	20	0	0	0	20
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning	1	17	0	17	3	0	3	20
Layout and Management of Orchards								
Cultivation of Fruit	1	20	0	20	0	0	0	20
Management of young plants/orchards	1	18	0	18	2	0	2	20
Rejuvenation of old orchards	1	17	0	17	3	0	3	20
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								
III Soil Health and Fertility Management								
Soil fertility management	1	20	0	20	0	0	0	20
Soil and Water Conservation								
Integrated Nutrient Management	1	20	0	20	0	0	0	20
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing	1	18	0	18	2	0	2	20
IV Livestock Production and Management								
Dairy Management	2	0	40	40	0	0	0	40
Poultry Management								
Piggery Management								
Rabbit Management / goat								
Disease Management	4	0	73	73	0	7	7	80
Feed management	4	0	75	75	0	5	5	80
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	0	20	20	0	0	0	20
Design and development of low/minimum cost diet	1	0	17	17	0	3	3	20
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing	1	0	17	17	0	3	3	20
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	0	18	18	0	2	2	20
Value addition	1	0	17	17	0	3	3	20
Income generation activities for empowerment of rural Women	1	0	20	20	0	0	0	20
Location specific drudgery reduction technologies								
Rural Crafts	1	0	20	20	0	0	0	20
Women and child care								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	3	56	0	56	4	0	4	60
Use of Plastics in farming practices	1	20	0	20	0	0	0	20
Production of small tools and implements								
Repair and maintenance of farm machinery and implements	1	18	0	18	2	0	2	20
Small scale processing and value addition								
Post Harvest Technology	1	20	0	20	0	0	0	20
VII Plant Protection								
Integrated Pest Management	3	56	0	56	4	0	4	60
Integrated Disease Management	3	18	37	55	2	3	5	60
Bio-control of pests and diseases	1	20	0	20	0	0	0	20
Production of bio control agents and 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 (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								
Group dynamics	1	20	0	20	0	0	0	20
Formation and Management of SHGs(HS)	2	38	0	38	2	0	2	40
Mobilization of social capital	2	37	0	37	3	0	3	40
Entrepreneurial development of farmers/youths (Agro.)								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
XII Others (Pl. Specify)								
TOTAL	48	545	354	899	35	26	61	960

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	38	0	38	2	0	2	40
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management	12	518	0	518	42	0	42	560
Fodder production								
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	36	0	36	4	0	4	40
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables	1	20	0	20	0	0	0	20
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								

Training and Pruning	1	17	0	17	3	0	3	20
Layout and Management of Orchards								
Cultivation of Fruit	1	20	0	20	0	0	0	20
Management of young plants/orchards	1	18	0	18	2	0	2	20
Rejuvenation of old orchards	1	17	0	17	3	0	3	20
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	4	77	0	77	8	0	8	85
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management	1	20	0	20	0	0	0	20
Soil and Water Conservation								
Integrated Nutrient Management	1	20	0	20	0	0	0	20
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing	1	18	0	18	2	0	2	20
IV Livestock Production and Management								
Dairy Management	7	0	177	177	0	23	23	200
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management	5	0	90	90	0	10	10	100
Feed management	5	0	92	92	0	8	8	100
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	0	20	20	0	0	0	20
Design and development of low/minimum cost diet	1	0	17	17	0	3	3	20
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing	2	0	30	30	0	5	5	35
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	0	18	18	0	2	2	20
Value addition	2	0	34	34	0	6	6	40
Income generation activities for empowerment of rural Women	1	0	20	20	0	0	0	20
Location specific drudgery reduction technologies	1	0	17	17	0	3	3	20
Rural Crafts	1	0	20	20	0	0	0	20
Women and child care	2	0	34	34	0	6	6	40
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	4	73	0	73	7	0	7	80
Use of Plastics in farming practices	1	20	0	20	0	0	0	20
Production of small tools and implements								
Repair and maintenance of farm machinery and implements	3	52	0	52	8	0	8	60

Small scale processing and value addition								
Post Harvest Technology	2	37	0	37	3	0	3	40
VII Plant Protection								
Integrated Pest Management	4	76	0	76	4	0	4	80
Integrated Disease Management	7	75	54	129	5	6	11	140
Bio-control of pests and diseases	3	60	0	60	0	0	0	60
Production of bio control agents and 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	1	18	0	18	2	0	2	20
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development	2	38	0	38	2	0	2	40
Group dynamics	1	20	0	20	0	0	0	20
Formation and Management of SHGs	3	56	0	56	4	0	4	60
Mobilization of social capital	3	55	0	55	5	0	5	60
Entrepreneurial development of farmers/youths	1	18	0	18	2	0	2	20
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
Sponsored training								
TOTAL	92	1417	623	2040	108	72	180	1525
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming	1	19	0	19	1	0	1	20
Seed production	2	37	0	37	3	0	3	40
Production of organic inputs	2	38	0	38	2	0	2	40
Integrated Farming								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements	1	20	0	20	0	0	0	20
Nursery Management of Horticulture crops	1	20	0	20	0	0	0	20
Training and pruning of orchards								

Value addition	1	0	18	18	0	2	2	20
Production of quality animal products								
Dairying	1	19	0	19	1	0	1	20
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	0	18	18	0	2	2	20
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
TOTAL	10	153	36	189	7	4	11	200
(C) Extension Personnel								
Productivity enhancement in field crops	1	17	1	18	1	1	2	20
Integrated Pest Management	1	16	0	16	4	0	4	20
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers	1	10	10	20	0	0	0	20
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	1	0	17	17	0	3	3	20
Low cost and nutrient efficient diet designing								
Production and use of organic inputs	1	15	5	20	0	0	0	20
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
Total	5	58	33	91	5	4	9	63
G. TOTAL	107	1628	692	2320	120	80	200	1748

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

3.4. 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	45	845	280	1025	0	0	0	845	280	1025
Kisan Mela	1	350	150	500	0	0	0	350	150	500
Kisan Ghosthi	3	250	50	300	0	0	0	250	50	300
Exhibition	1	300	100	400	0	0	0	300	100	400
Film Show	20	280	220	500	0	0	0	280	220	500
Farmers Seminar	1	790	203	993	5	2	7	795	205	1000
Workshop										
Group meetings	3	30	15	45	0	0	0	30	15	45
Lectures delivered as resource persons	50	850	350	1200	0	0	0	850	350	1200
Newspaper coverage	6									
Radio talks	5									
TV talks	2									
Popular articles	6									
Extension Literature	200	700	200	900	0	0	0	700	200	900
Advisory Services	200	170	30	200	0	0	0	170	30	200
Scientific visit to farmers field	50	120	30	150	0	0	0	120	30	150
Farmers visit to KVK	200	650	300	950	35	15	50	685	315	1000
Diagnostic visits	50	225	25	250	0	0	0	225	25	250
Exposure visits	2	37	35	72	0	0	0	37	35	72
Ex-trainees Sammelan	2	45	15	50	0	0	0	45	15	60
Soil health Camp	0									
Animal Health Camp	8	60	100	160	0	0	0	60	100	160
Agri mobile clinic										
Soil test campaigns										
Farm Science Club Conveners meet										
Self Help Group Conveners meetings	2	20	25	45	0	0	0	20	25	45
Mahila Mandals Conveners meetings										
Celebration of important days (specify)	3	200	90	290	7	3	10	207	93	300
Krishi Mohostva										
Krishi Rath										
Pre Kharif workshop										
Pre Rabi workshop										
PPVFRA workshop										
Any Other (Specify)										
Total	860	5922	2218	8030	47	20	67	5969	2238	8107

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Wheat	GW-451	8
	Wheat	GW-496	47
OILSEEDS	Mustard	Pusa vijay	4
	Mustard	GDM-4	3
PULSES			
VEGETABLES			
OTHERS (Specify)	Fennel	GF-12	3
	Lucerne	AL-2	1
Total			66

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Acid lime	Kagzi	5,000
SPICES	Fennel	GF-12	1,00,000
	Chilli	GC-3	90,000
VEGETABLES			
FOREST SPECIES			
ORNAMENTAL CROPS			
Total			1,95,000

Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1	Vermi compost	Jay gopal	-	1500

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
	Cattle			
	GOAT			
	SHEEP			
POULTRY				
	Pig farming			
FISHERIES				

3.6. Literature to be Developed/Published

(A) KVK News Letter

Date of start : 01/01/2010
Number of copies to be published : 500

(B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	1
2	Technical reports	1
3	News letters	1
4	Training manual all discipline	1
5	Popular article	1
6	Extension literature	2
Total		7

(C) Details of Electronic Media to be Produced

S.No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	-	-	-

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

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
 - i) Social economic
 - ii) Bio-Physical
- f. Good Action Photographs

3.8 Indicate the specific training need analysis tools/methodology followed for

Practicing Farmers

- a)
- b)
- c)

Rural Youth

- a)
- b)
- c)
- d)

In-service personnel

- a)
- b)
- c)

3.9 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

3.10 Field activities

- 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

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab: working

1. Year of establishment : 2011

2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1			

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	300	300	50	6000
Water	30	30	30	300
Plant	-	-	-	-
Total	330	330	80	6300

4.0 LINKAGES

4.1 Functional linkage with different organizations

Sr.No	Name of Organization	Nature of Linkage
1	Mehsana District Education Foundation	Financial and Physical Facilities
2	Sardarkrushinagar Dantiwada Agricultural University , Sardarkrushinagar	Technical backstopping
3	Anand Agricultural University , Anand	Technical support
4	District Agriculture Officer, Mehsana	Joint implementation
5	Deputy Director (Horticulture), Mehsana	Joint implementation
6	NABARD, Mehsana	Joint implementation for farmers clubs and Strengthening of SHGs
7	ATMA, Mehsana	Joint implementation
8	Dena Bank, Mehsana	Member of S.A.C., For S.H.G. formation
9	G.S.F.C., G.N.F.C. and IFFCO	Joint implementation, FLD Inputs
10	Center for Research on Seed Spices, Jagudan	Technical support
11	DRDA	Participating in meeting, Member of SAC
12	Farmer Training Centre, Mehsana	Joint Implementation
13	Dy. Director (A.H),Mehsana	Member of S.A.C., Various Govt. Scheme
14	Wheat Research Station, Vijapur	FLD
15	Gujarat State Seed Corporation Ltd, Mehsana	Seed production, Input FLD
16	Self Employed Women Association (SEWA), Mehsana	Joint Implementation
17	Dena RSETI, Mehsana	Joint Implementation , Vocational trainings, Member of LAC
18	National Centre for Integrated Pest Management, New Delhi	Joint implementation
19	District Watershed Development Unit, Mehsana	Joint implementation
20	Junagadh Agricultural University	Technical backstopping
21	National Institute of Co-Operative Management, Gandhinagar	Joint implementation
22	Protetion of plant varities and farmer's right authority, India	Joint implementation
23	National Institute of Plant Health Management, Hyderabad	Technical support

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage
1	Training	
2		

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1		
2		

4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		
2		

5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1		
	Total	

6.0 Convergence with departments:

7.0 Feedback of the farmers about the technologies demonstrated and assessed:

8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:

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										
02/06/2016	PF	Scientific cultivation of kharif groundnut	1	70	0	70	5	0	5	75
05/08/2015	PF	Scientific cultivation of castor	1	70	0	70	5	0	5	75
08/06/2016	PF	Production technology of blackgram	1	46	0	46	4	0	4	50
04/05/2016	PF	Scientific cultivation of Bt.Cotton	1	18	0	18	2	0	2	20
03/11/2016	PF	Scientific cultivation of wheat	1	23	0	23	2	0	2	25
06/10/2016	PF	Major key point for higher mustard production	1	70	0	70	5	0	5	75
Horticulture										
25/07/2016	PF	Improved production technology of chilli	1	18	0	18	2	0	2	20
10/06/2016	PF	Scientific cultivation of fennel	1	23	0	23	2	0	2	25
21/10/2016	PF	Scientific cultivation of ajwain	1	18	0	18	2	0	2	20
05/10/2016	PF	Scientific cultivation of fenugreek	1	18	0	18	2	0	2	20
25/10/2016	PF	Scientific cultivation of cumin	1	18	0	18	2	0	2	20
Livestock prod.										
27/05/2016	FW	Health and hygiene management of dairy animal	1	0	17	17	0	3	3	20
16/16/2016	FW	Feeds and feeding management of dairy animals	1	0	17	17	0	3	3	20
29/07/2016	FW	Housing of dairy animal	1	0	17	17	0	3	3	20
19/10/2016	PF	Scientific cultivation of fodder lucerne	1	18	0	18	2	0	2	20
Agril. Engg.										
23/08/2016	PF	Use of improved small farm implements in agriculture	1	17	0	17	3	0	3	20
09/03/2017	PF	Primary processing for value addition of spices crops	1	17	0	17	3	0	3	20
22/09/2016	PF	Operation and maintenance of micro-irrigation system	1	17	0	17	3	0	3	20
07/02/2017	PF	Fuel saving in various tractor operation	1	17	0	17	3	0	3	20
Home Sc.										
30/05/2016	FW	Preservation techniques of mango pickle	2	0	17	17	0	3	3	20
07/09/2016	FW	Preparation of low-cost balance diet for mother and children	1	0	17	17	0	3	3	20
04/10/2016	FW	Use of different tools for drudgery reduction (Groundnut decorticator, Manual double screen cleaner, serrated sickle)	1	0	17	17	0	3	3	20
02/03/2017	FW	Healthcare and nutrition of children	1	0	17	17	0	3	3	20
22/02/2017	FW	Importance and use of solar cooker	1	0	13	13	0	2	2	15
Extension Education										
20/04/2016	PF	Income generating activity for rural mass	1	18	0	18	2	0	2	20
22/06/2016	PF	Importance of farm school	1	20	0	20	0	0	0	20
24/10/2016	PF	Liaison of financial institution with growers for upliftment of economic condition	1	18	0	18	2	0	2	20
24/01/2017	PF	Capacity building of SHGs/Farmer's club	1	18	0	18	2	0	2	20
03/07/2016	PF	Importance of crop insurance	1	18	0	18	2	0	2	20
Plan protection										
12/07/2016	PF	Bio Pesticides for sucking pest management in cotton	1	20	0	20	0	0	0	20
03/06/2016	PF	Colar rot management in groundnut	1	20	0	20	0	0	0	20

24/06/2016	PF	Disease management in guava through bio-pesticides	1	17	0	17	3	0	3	20
25/05/2016	PF	Canker management in acid lime	1	20	0	20	0	0	0	20
06/12/2016	PF	Blight management in cumin	1	20	0	20	0	0	0	20
26/04/2016	FW	Management of soil borne diseases	1	0	17	17	0	3	3	20
02/06/2016	PF	Use of bio-pesticides for pest management in chilli	1	20	0	20	0	0	0	20

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										
28/06/2016	PF	Scientific cultivation of greengram	1	18	0	18	2	0	2	20
01/07/2016	PF	Scientific cultivation of sesamum	1	18	0	18	2	0	2	20
13/10/2016	PF	Weed management in Rabi crops	1	20	0	20	0	0	0	20
05/07/2016	PF	Weed management in kharif pulse crop	1	18	0	18	2	0	2	20
Horticulture										
20/09/2016	PF	Care and management of newly established orchard	1	18	0	18	2	0	2	20
20/01/2017	PF	Scientific cultivation of summer vegetables	1	18	0	18	2	0	2	20
26/05/2016	PF	Training and pruning in fruit crops	1	17	0	17	3	0	3	20
20/05/2016	PF	Improved production technology of tomato	2	20	0	20	0	0	0	20
28/09/2016	PF	Nutrient management in Acid Lime	1	20	0	20	0	0	0	20
28/04/2016	PF	Rejuvenation techniques in orchard	1	17	0	17	3	0	3	20
Live Stock Production.										
16/11/2016	FW	Effect of probiotic on milk production	1	0	20	20	0	0	0	20
03/09/2016	FW	Mastitis disease management in dairy animal	1	0	20	20	0	0	0	20
07/06/2016	FW	Deworming in dairy animals	1	0	17	17	0	3	3	20
14/10/2016	FW	Effect of Chelated mineral mixture on milk production	1	0	17	17	0	3	3	20
22/12/2016	FW	Azolla cultivation as animal feed	1	0	20	20	0	0	0	20
21/04/2016	FW	Importance of urea treatment in wheat straw	1	0	18	18	0	2	2	20
05/01/2017	FW	Importance of green fodder in economic milk production	1	0	20	20	0	0	0	20
09/02/2017	FW	Common diseases of animals and their treatment	1	0	18	18	0	2	2	20
24/08/2016	FW	Vaccination in animal and its economical importance	1	0	18	18	0	2	2	20
15/03/2017	FW	Heat detection techniques in buffaloes	1	0	20	20	0	0	0	20
Agril. Engg.										
03/03/2017	PF	Use of plastic in agriculture	1	20	0	20	0	0	0	20
22/11/2016	PF	Selection and maintenance of farm machinery and implements	1	18	0	18	2	0	2	20
14/12/2016	PF	Maintenance of MIS	1	18	0	18	2	0	2	20
30/04/2016	PF	small scale processing and value addition	1	20	0	20	0	0	0	20
17/10/2016	PF	Efficient use of MIS	1	20	0	20	0	0	0	20
10/01/2017	PF	Use of improved farm implements in agriculture	1	18	0	18	2	0	2	20
Home Sc.										
08/12/2016	FW	Fruit and vegetable preservation techniques	1	0	17	17	0	3	3	20
22/04/2016	FW	Preparation of mango and lemon squash	1	0	17	17	0	3	3	20
08/07/2016	FW	Kitchen gardening	1	0	20	20	0	0	0	20

09/11/2016	FW	Preparation method of beauty care and home care product	2	0	20	20	0	0	0	20
02/08/2016	FW	Use of pulses and local vegetable in child diet	1	0	17	17	0	3	3	20
12/04/2016	FW	Safe food grain storage method	1	0	18	18	0	2	2	20
15/06/2016	FW	Block printing and tie - die	1	0	20	20	0	0	0	20
Plant Protection										
15/09/2016	PF	Bio-control of pest and disease in tomato	1	20	0	20	0	0	0	20
27/10/2016	PF	Management of tomato fruit borer	1	18	0	18	2	0	2	20
02/12/2016	FW	Management of early and late blight in potato	1	0	17	17	0	3	3	20
05/04/2016	FW	Different curative method of disease management	1	0	20	20	0	0	0	20
12/05/2016	PF	Seed treatment - Low cost technology for disease management	1	18	0	18	2	0	2	20
04/11/2016	PF	Termite management in wheat	1	20	0	20	0	0	0	20
11/08/2016	PF	Pests management in castor	1	18	0	18	2	0	2	20
Extension Education										
13/12/2016	PF	Importance of record keeping in agriculture and diary farming	1	17	0	17	3	0	3	20
18/05/2016	PF	Government subsidy schemes in agriculture for farmers	1	20	0	20	0	0	0	20
26/11/2016	PF	Utilization of term loan through kissan credit card	1	20	0	20	0	0	0	20
08/10/2016	PF	Contract farming and different ways of marketing of farm product	1	20	0	20	0	0	0	20
14/02/2017	PF	Management of SHGs/Farmer's club	1	18	0	18	2	0	2	20
Soil health										
06/02/2017	PF	Fertilizer management in summer pearl millet	1	20	0	20	0	0	0	20
17/01/2017	PF	Judicious use of chemical fertilizer	1	20	0	20	0	0	0	20
07/04/2016	PF	Soil sampling method and its importance	1	18	0	18	2	0	2	20

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Organic farming	Production of organic inputs	Preparation of bio-pesticides for pests and disease management	December	4	19	0	19	1	0	1	20
Organic farming	Production of organic inputs	Organic manure production	August	4	19	0	19	1	0	1	20
Wheat	Seed production	Seed production techniques of wheat	November	2	18	0	18	2	0	2	20
Farm implements	Repair and maintenance of farm machinery and implements	Operation and maintenance of micro irrigation system	September	2	20	0	20	0	0	0	20
Farm implements	Integrated farming	Watershed management	May	1	19	0	19	1	0	1	20
Home Science	Value addition	Value addition on aonla	January	2	0	18	18	0	2	2	20
Home Science	Small scale processing	Soap, detergent powder, shampoo making	December	2	0	18	18	0	2	2	20
Livestock	Dairying	Scientific management of cattle farm	September	1	0	18	18	0	2	2	20
Spices	Seed production	Seed production technology of seed spices	October	4	19	0	19	1	0	1	20
Spices	Nursery Management of Horticulture crops	Nursery raising of fennel and chilli	June	4	20	0	20	0	0	0	20

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										
14/05/2016	EF	Organic farming	1	15	5	20	0	0	0	20
09/09/2016	EF	Importance of Soil health card	1	17	1	18	1	1	2	20
09/06/2016	EF	Role of bio pesticides in agriculture	1	20	0	20	0	0	0	20
09/05/2016	EF	Prime minister fasal bima yojna	1	10	10	20	0	0	0	20
30/11/2016	EF	Nutrition education tour to combat malnutrition	1	0	17	17	0	3	3	20

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											
Animal Science	DENA RSETIs	FW	Scientific dairy farming	4	0	110	110	0	10	10	120
Crop production	ATMA	PF	Scientific cultivation of kharif crops	2	95	0	95	5	0	5	100
Crop production	ATMA	PF	Scientific cultivation of rabi crops	2	90	0	90	10	0	10	100
Total											
b) Sponsored research programme											
Total											
c) Any special programmes											
Total											

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	
d) Sponsored training programme											
Total											
e) Sponsored research programme											
Total											
f) Any special programmes											
Total											