ANNUAL PROGRESS REPORT-2011-12

(APRIL - 2011 TO MARCH-2012)

&

ACTION PLAN

(APRIL - 2012 TO MARCH-2013)

OF

KRISHI VIGYAN KENDRA JAMNAGAR

TO BE PRESENTED AT
ANNUAL ZONAL WORKSHOP OF ZONE-VI
(Rajasthan & Gujarat)

PREPARED/COMPILED By
Dr. K. P. Baraiya, Senior Scientist & Head
Smt. A. K. Baraiya, Scientist

KRISHI VIGYAN KENDRA
JUNAGADH AGRICULTURAL UNIVERSITY
AIRFORCE ROAD, OPP. DIGJAM MILL
JAMNAGAR-361 006
GUJARAT

CONTENT

ANNUAL PROGRESS REPORT-2011-12

(1st APRIL - 2011 TO 31st MARCH-2012)

KRISHI VIGYAN KENDRA
JUNAGADH AGRICULTURAL UNIVERSITY, JAMNAGAR

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Web address
	Office	FAX		
Krishi Vigyan Kendra Millet Research Station, JAU Airforce Road, Opp. Digjam Mill Jamnagar- 361 006	(0288) 2710165	(0288) 2710165	kvkjamnagar@jau.in	www.jau.in

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

Address	Telephone		E-mail	Web address
	Office	FAX		
Junagadh Agricultural University, Junagadh – 362 001 (Gujarat)	PBX 2672080-90	(0285) 2672653	dee@jau.in	www.jau.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. K.P.Baraiya	I/c. Programme Coordinator Krishi Vigyan Kendra Junagadh Agricultural University, Airforce Road, Opp. Digjam Mill Jamnagar- 361 006	9427980032	kvkjamnagar@jau.in

1.4. Year of sanction:

2001, Letter No. F.No. 18(4)/99-NATP Dated October 31st, 2001

1.5. Staff Position (as on 31st March, 2012)

Sl. No.	Sanctioned post	Name of the incumbent	Desig-nation	Discipline	Highest qualify-cation	Pay Scale	Present basic	Date of joining	Perm-anent /Temp-orary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Dr. K.P. Baraiya	PC	Plant Protection	Ph.D	37400-67000	19050	17-8-06	Temp	Other
2	Subject Matter Specialist	Vaccant		Crop Production		15600-39100	-	-	-	-
3	Subject Matter Specialist	Dr. G.M. Parmar	SMS	Plant Protection	Ph.D	15600-39100	18320	22-4-07	Temp	OBC
4	Subject Matter Specialist	Vaccant	SMS	Horti.	-	15600-39100	-	-	-	-
5	Subject Matter Specialist	Dr. N. B. Jadav	SMS	Extension Education	Ph.D.	15600-39100	19050	18-08-06	Temp.	OBC

6	Subject Matter Specialist	Dr. J. N. Thaker	SMS	Fisheries	Ph.D.	15600-39100	8000 (Fifth Pay)	31-08-06	Temp.	Other
7	Subject Matter Specialist	Smt. A. K. Baraiya	SMS	Home Science	M.Sc.	15600-39100	8000 (Fifth Pay)	17-08-06	Temp.	Other
8	Farm Manager	Shri P. S. Gorfad	Prog. Asstt.	Extension Education	Ph.D.	9300-34800	19480 GP 5400	24-3-95	Temp.	OBC
9	Computer Programmer	Shri R.G. Panseria	Prog. Asstt.	Computer Operator	B.C.A., P.T.C.	9300-34800	10000	30-12-08 Pool at IT)	Fix Pay	Other
10	Programme Assistant	Shri A.J. Patel	Prog. Asstt.	Crop Production	M.Sc.	9300-34800	10000	22-2-2012	Fix Pay	ST
11	Accountant / Superintendent	Shri. K.G. Dhaduk	Sr. Clerk	Adm.	M.com	9300-34800	10000	12-6-08	Fix Pay	Other
12	Stenographer	Vaccant	Sr. Clerk	Adm.	-	5200-20200	-	-	-	-
13	Driver	Vacant	Driver	Supt.	-	5200-20200	-	-	-	-
14	Driver	Shri. D.M. Chauhan	Driver	Supt. (Fix)	9 STD	5200-20200	5300	9-10-07	Temp.	S. T.
15	Supporting staff	Shri H.G. Langa	Peon	Supt.	7 STD	4440-7440	7470	1-10-04	Temp.	OBC
16	Supporting staff	Shri P. S. Damor	Peon	Supt.	12 STD.	4440-7440	4440	1-9-06	Temp.	S. T.

1.6. Total land with KVK (in ha) : 20.44 ha

Sl. No.	Item	Area in hectare(s)*
1	Under Building and Road	1.56
2	Under Demonstration units	0.70
3	Under crops	12.00
4	Orchard	3.50
5	Agro-forestry	0.24
6	Others (Farm Pond & Channels)	2.00
	Total	**20.44**

1.7. Infrastructural Development:

A) Buildings

Sl. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Comp-letion Date	Plinth area (Sq.m)	Expen-diture (Rs.)	Star-ting Date	Plinth area (Sq.m)	Status of const-ruction
1.	Administrative Building	KVK	15-8-11	550	5500000			
2.	Farmers Hostel	KVK	15-8-11	305	3000000			
3.	Staff Quarters (6)	KVK	15-8-11	400	4000000			
4.	Demonstration Units	KVK + ATMA	31-3-2007	-	-	-	-	-
5	Poly House	RKVY	31-3-09	320	281602	-	-	-
	Net House	RKVY	31-3-09	150	64498	-	-	-
	Training Hall	RKVY	20-2-10	190.99	1395800	-	-	-
	Process Plant	RKVY	20-2-10	197.31	1536400	-	-	
	Implement shed	RKVY	11-2-10	77.33	297800	-	-	-

6	Rain Water harvesting system	KVK	31-3-2007	26m×26m (2 Ponds) 60m×60m (1 Pond)	999000	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Toyota Quallis	2004	490200	-	Working at Junagadh on pooled basis
Jeep GJ-8 A 3442	1995-96 (Dt.- 19/5/95)	2,80,000	3,45,921	Partially Working

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Captain Mini Tractor	2001-02	166125	Working
Telephone line	2001-02	19850	Working
Multi tool carrier complete set	2001-02	6500	Working
Photocopier	2001-02	125000	Working
Over head projector	2001-02	17600	Working
Computer	2002-03	29500	Working
HP Laser printer	2002-03	20390	Working
U.P.S. (3 KVA)	2002-03	38000	Working
Qualish (GJ-10 E-288)	2004-05	490200	Working
Spectrophotometer	2005-06	89160	Working
Flame photometer	2005-06		Working
Physical balance	2005-06	10640	Working
Chemical balance	2005-06	100000	Working
Water distillation still	2005-06	96118	Working
Kieldahi digestion and distillation	2005-06	49644	Working
Shaker	2005-06	80080	Working
Grinder	2005-06		Working
Refrigerator	2005-06	16772	Working
Oven	2005-06	30550	Working
Hot plate	2005-06		Working
Aspee tractor mounted sprayer	2006-07	32000	Working
Air assisted blower type sprayer	2009	98750	Working
Laptop computer (HCL)	2009	47500	Working
Digital camera (Nikon)P-90 12.1	2009	24300	Working
Cotton stalk shredder	2008-09	121000	Working
Groundnut digger-tractor operated	2009	78500	Working
Cultivator cum rotavator	2009	90000	Working
Groundnut decorticator	2009	95850	Working
Multi crop thresher	2009	114000	Working

Processing Unit	2009	1685000	Working
Plantar-tractor operator	2009	44000	Working

1.8. A). Details SAC meeting conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken
1.	01-10-2005	21	-	-
2.	07-10-2006	30	-	-
3.	02-11-2007	31	-	-
4.	17-10-2008	30	-	-
5.	14-09-2009	33	-	-
6.	29-4-2010	35	-	-
7.	07-04-2011	33	As below	As below
8.	10-04-2012	35		

The seventh Scientific Advisory Committee meeting of Krishi Vigyan Kendra Junagadh Agricultural University, Jamnagar was held at Seminar Hall, K.V.K., J.A.U., Jamnagar on 7th March, 2011. Committee made the following recommendations after active interaction.

Sr.No.	Salient recommendations	Action Taken	Suggested by
1.	-It was suggested to increase number of off campus training (i.e. 42 to 60). -He suggested to make presentation perfect and to maintain uniformity in data. -He stated to take permission from DEE for remaining absence in SAC meeting in case of KVK staff. -He also suggested imparting training on mango pickles for women and value addition in cumin. -He advised to make Gujarati presentation for farmers and give literature to farmers during training. -FLD of KVK should not be mixed with the FLD of Millet Research Station.	Suggestation accepted and followed	Dr.N.C. Patel Hon'ble vice Chancellor, JAU, Junagadh
2.	-It was suggested that to impart on campus training in seed production village and give photographs with title and date as self-explaining. He advised to make details for ON campus training and OFT programme. In addition to this, he suggested to invite expert during on Campus training programme. -He stated that the selection of farmers for FLDs should be from the selected villages of KVK and give press note on FLDs under extension programme. He told for making details of ATIC/ TOT activities in villages and preparing success story of farmers.	Suggestation accepted and followed	Dr. A.M. Parakhia, Directors of Extension Education, JAU, Junagadh
3.	It was suggested to take photographs of improved practices with farmers practices.	Suggestation accepted and followed	Dr. K. L. Raghvani RS(Millet), JAU, Jamnagar

4.	It was suggested to impart training on intercropping system in kharif season.	Suggestation accepted and followed	Shri P B. Khistaria, DAO, Jamnagar
5.	It was suggested to give training on protected cultivation and drip in horticultural crops. In addition to give training on composting	Suggestation accepted and followed	Shri.R.H. Ladani Dy. Director of Horticulture, Jamnagar
6	It was suggested to produce from Seed Village Programme should be collected by university.	Suggestation accepted and followed	Amarshibhai Dhanjibhai Dalsania Progressive farmer

- SAC proceedings along with list of participants in Annexure – I.

2. DETAILS OF DISTRICT (2011-12)

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

Sr. No.	Farming system/enterprise
1	Ground-Wheat/Cumin/coriander-Til, Cotton-Summer Groundnut/pulse/Til
2	Live stock
3	Fruit and Vegetable
4	Fishries (340 km)
5	Value addition in G'nut, Til and Coriender

2.2 Description of Agro-climatic Zone & major agro ecological

S. No	Agro-climatic Zone	Characteristics
Zone – VI	North Saurashtra	The influence area of North Saurashtra Agroclimatic Zone is spread among five districts (35.2 lakh Ha). Out of total area 73.40 per cent area falls under arid an semi-arid region. The soils of this zone are shallow to moderately deep. The soils of Jamnagar districtis medium black. Monsoon commences usually by the middle of June and withdraws by middle of September. Average annual rainfall of districts is 557 mm.

Agro – Ecological situation in the District

Sl. No.	AES	Soil texture	Altitude	Principal crops	Special features	Appro. area (000ha)	Taluka Included	Charact.
AES-1	Shallow Black soils with 500-600 mm Rainfall	Sandy clay loam to clayey	75 – 150	Groundnut, wheat, sorghum, pearlmillet	Well drained soils with rapid permeability	124	Kalawad, Jamjodhpur, Bhanvad, Okha	Moisture stress, temperature stress

AES-2	Shallow Black soils with 600-700 mm Rainfall	Clayey	75 – 150	Groundnut, wheat, sorghum, pearlmillet	Slightly well drained soils with rapid permeability	180	Part of Kalyanpur, Jamnagar, Jamkhambhalia, Lalpur, Dhrol, Jodia	Moisture stress, temperature stress
AES-3	Coastal Alluvial soils with 300-400 mm Rainfall	Clayey loam to clayey	50	Groundnut, pearlmillet, sorghum, chickpea	Low nitrogen and phosphus	181	Jodia, part of Okha, Jamkhambhalia, Kalyanpur & Jamnagar	Salt affected salinity
AES-4	Coastal Alluvial soils with 500-700 mm Rainfall	Silt clay	25-50	Groundnut, pearlmillet, sorghum, chickpea	Low nitrogen and phosphorus	299	Kalyanpur, Jodia & Jamnagar, Khambhadia, Lalpur, Dwarka	Salt affected salinity
AES-5	Coastal Alluvial shallow black soils with 300-400 mm Rainfall	Sandy loam to clay loam	0-25	Sorghum, PearlmilletGroundnut, Sesamum	Arid climate	31	Okha	Rich in flora and funa.

2.3 Soil type

S. No	Soil type	Characteristics	Area in ha
1	Shallow black soils	Light grey in colour. Soils depth varies from 30 cm to 45 cm. They are gravelly but mainly they are sandy clay loam to clayey in texture.	124000 ha (Kalawad, Jamjodhpur, Bhanvad, Okha)
2.	Medium black soils	These residual soils have basaltic trap parent materials. These soils vary in depth from 30 to 60 cm or more at few places. They are calcareous in nature	180000 ha (Part of Kalyanpur, Jamnagar, Jamkham-bhalia, Lalpur, Dhrol, Jodia)
3.	Saline alkali soils	Texturally these soils vary from sandy loam to clay. The degree of salinity and alkalinity is also highly variable. Most of these soils are low to medium in available nitrogen and phosphorus and high in available potash.	181000 ha (Jodia, part of Okha, Jamkhambhalia, Kalyanpur & Jamnagar)
4.	Costal alluvial soils	These soils are sandy clay loam to clay in texture. These soils are also affected with salts and are saline sodic in nature. The surface soil varies from 1.54 to 38.6 m.mhos/cm in Electrical conductivity, and from 9.2 to 74.64 in Exchangeable sodium percentage. The souls are normally medium in fertility	299000 ha (Kalyanpur, Jodia & Jamnagar, Khambhadia, Lalpur, Dwarka)
5.	Hilly soils	These soils are shallow to moderately deep and are coarse to find in their texture. The texture varies from loamy sand to clay loam to clay. They have under composed rock fragments and are low in fertility status.	31000 ha (Some part of Bhanvad and Jamjodhpur)

2.4. Area, Production and Productivity of major crops cultivated in the district (Year-08)

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
	Oilseeds			
1	Groundnut	378335	5675025	15
2	Sesamum	6280	22608	3.6
3	Castor	7375	192487.5	26.1
4	Soybean	8	140	17.5

	Total Oilseeds	**391998**		
	Cash Crops			
5	Cotton	180440	4150120	23
6	sugarcane	150	7500	50
	Total Cash Crops	**180590**		
	Food Grain			
7	Wheat	58600	1881060	32.1
8	Pearlmillet	3520	46112	13.1
9	Sorghum	8100	85050	10.5
10	Maize	2850	20520	7.2
	Total Food Grains	**73070**		
	Pulse Crops			
11	Greengram	4185	23436	5.6
12	Blackgram	2910	17867.4	6.14
13	Cowpea	285	1071.6	3.76
14	Pigeon pea	175	1925	11
15	Moothbean	360	1512	4.2
16	Chickpea	31300	350560	11.2
17	Cluster bean	75	1406.25	18.75
18	Other pulses	15	0	
	Total Pulses	**39305**		
	SPICES AND CONDIMENTS			
19	Cumin	27690	146757	5.3
20	Fennel	115	241.5	2.1
21	Coriander	1460	15330	10.5
22	Ajwan	1690	6929	4.1
23	Ishabgul	150	1020	6.8
24	Chilli	740	7104	9.6
25	Garlic	7000	518000	74
26	Dill seed	50	275	5.5
	Total spices	**38895**	0	
	VEGETABLE		0	
27	Onion	2980	518520	174
28	Potato	2150	49450	23
29	Brinjal	1560	173160	111
30	Tomato	1980	301950	152.5
31	Cauliflower	440	44000	100
32	Cowpea	840	34356	40.9
33	Cabbage	435	43500	100
34	Okra	1550	85715	55.3
35	Fenugreek	40	460	11.5
36	Peach	5	10	2
37	Cucurbits	42	1596	38
38	Cluster bean	1138	46999.4	41.3
39	Other vegetable	17	484.5	28.5
	Total Vegetable	**13177**	0	
	FRUIT CROPS		0	
40	Chiku	238	21658	91
41	Pomegranate	77	4004	52
42	Citrus	173	7006.5	40.5
43	Jamun	7	14.7	2.1
44	Aonla	76	2964	39

45	Guava	15	600	40
46	Custard apple	70	3605	51.5
47	Papaya	187	86955	465
48	Coconut	380	2850000	7500
49	Ber	300	15750	52.5
50	Almond	55	2200	40
51	Banana	12	1140	95
52	Mango	425	37825	89
53	Cashew nut	7	24.5	3.5
54	Other fruits	165	8250	50
	Total Fruits	**2187**	0	
	FLOWERS		0	
55	Rose	31	1798	58
56	Merry gold	52	4576	88
57	Shevanti	1	0	
58	Lilly	7	18.9	2.7
59	Other flowers	55	1540	28
	Total flowers	**146**	0	
	OTHER CORPS		0	
60	Chikori	50	4325	86.5
61	Palma Rosa	43	5375	125
	Total Other crops	**93**		
	Fodder crops			
62	Lucern	1105	132600	120
63	Sorghum	16660	2499000	150
64	Maize	2910	0	
	Total Fodder crops	**20675**		

* Source : DAO, & Dy.Dir.Hort., Jamnagar

2.5. Weather data (April-11 to March-12)

Sr. no.	Meteorological week	Rainfall	No of	Temperature ^{o}c		Remarks
		(mm)*	Rainy days *	Max.	Min.	
	24	21	2	35.6	28.7	
1	25	10	1	35.7	28.2	
2	26	64	2	34.6	26.0	
3	27	43.5	2	34.1	26.2	
4	28	19.5	1	29.9	26.2	
5	29	41	4	33.0	26.3	
6	30	39	2	32.7	25.6	
7	31	12.5	1	31.0	26.2	
8	32	20	1	31.1	25.6	
9	33	125	6	30.4	25.3	
10	34	115.5	4	31.1	24.8	
11	35	115	3	31.5	25.8	
12	36	33.5	2	31.0	25.1	
13	37	0	0	30.0	30.4	
14	38	0	0	31.0	22.5	
15	39	0	0	32.1	22.4	
16	40	0	0	32.4	23.9	
17	41	0	0	34.1	23.5	

18	42	0	0	35.4	20.7	
19	43	0	0	34.2	22.9	
20	44	0	0	33.2	21.7	
21	45	0	0	34.1	20.0	
22	46	0	0	32.6	17.2	
23	47	0	0	31.7	21.2	
24	48	0	0	29.5	18.0	
25	49	0	0	31.7	12.6	
26	50	0	0	26.9	12.1	
27	51	0	0	26.4	9.4	
28	52	0	0	24.8	11.0	
29	1	0	0	24.9	10.0	
30	2	0	0	24.1	11.3	
31	3	0	0	26.0	12.7	
32	4	0	0	25.3	10.9	
33	5	0	0	26.4	9.8	
34	6	0	0	24.1	13.3	
35	7	0	0	26.5	13.7	
36	8	0	0	29.1	14.7	
37	9	0	0	29.5	14.9	
38	10	0	0	29.1	14.9	
39	11	0	0	31.1	16.2	
40	12	0	0	32.9	16.4	
Total		**660**	**30**			

* Source: Meteorological observatory, Millet Research Station, JAU, Jamnagar;

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

Category	**Population**	**Production**	**Productivity**
Cattle	349229	2475.2 qtl total milk	
Crossbred			8.585 lit/day
Indigenous			3.375 lit/day
Buffalo	209616		4.451 lit/ha
Sheep	232530	295.16 lakh kg wool	
Crossbred			
Indigenous			
Goats	173022		0.274 lit/ha
Pigs		290097.9 Qtl meat	
Crossbred			
Indigenous			
Poultry	38041	12.77 lakh eggs	
Hens			
Desi			
Improved			
Horse &	410		
Camels	2260		
Donkey	2577		
Total Milk			

Total egg			
Total wool			

: Assistant Directorate of Fishries, Jamnagar

2.7 Details of Operational area / Villages (2011-12)

Sl. No	Taluka	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Jodiya	Keshiya, Lakhtar, Anand, Limbuda, Manpar, Hirapar	Cotton, groundnut, sesamum, castor, greengram, wheat, Gram, cumin, mustard, Vegetable, Soyabean, flowers, live stock	Heavy infestation of sucking pest in cotton, stem rot disease in Groundnut, Root rot in castor, Less area under horticulture crops, Blight in cumin, salinity	- ICM in major crops of the district - Introudction of new crop - Recycling of farm waste - Populirization of MIS - Motivation of fishries cultivation - Soil Reclamation - Farm women empowerment - Farm mechanization
2	Dhrol	Nathuvadala, Soyal, Vankiya, Manekpar, Nana garadiya, mavapar			
3	Jamjodhpur	Kalyanpar, Udaipur, Kadbal, Vasantpar, Dhanuda, Gorkhadi			

2.8 Priority thrust areas

Sl. No	Crop/ Enterprise	Thrust area
1.	Cotton, groundnut, castor, cumin, wheat, vegetables, fruits, etc.	Integrated Crop Management in major crops
2.	Soyabean	Introduction of new crops in the districts as sole crop and inter cropping
3.	Farm waste	Recycling of farm waste through composting, vermicompost, green manuring, etc.
4.	Micro irrigation	Efficient use of water by micro irrigation system, water harvesting structure, and water conservation techniques
5.	Soil	Reclamation of saline & alkaline soils
6.	Farm Women	Farm women empowerment by training in value addition, handi crafts, and small scale enterprises
7.	Fisheries	Motivation of fisheries cultivation
8.	Improved Implements	Popularization of the mechanized technological know how

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2011-12

OFT				
	Number of OFTs		**Number of Farmers**	
	Targets	**Achievement**	**Targets**	**Achievement**
Groundnut	**1**	**1**	**3**	**3**

Cotton	**1**	**1**	**3**	**3**
Bajara (Summer-'12)	**1**	**1**	**3**	**3**

1. FLD	**Area of FLD (ha)**		**Number of Farmers**	
	Targets	**Achievement**	**Targets**	**Achievement**
***Kharif* -2011-12**				
Pearl millet	8	8	20	20
Groundnut (Trichoderma)	2	2	5	5
Groundnut (NPV)	2	2	5	5
Cotton	10	10	25	25
TOTAL	**22**	**22**	**55**	**55**
***Rabi* -2011-12**				
Wheat	10	10	20	20
Cumin	4	4	10	10
Chick pea	6	6	15	15
Total	**20**	**20**	**45**	**45**
Summer -2011-12				
Green Gram	4	4	10	10
Total	4	4	10	10
Grand Total	**46**	**46**	**110**	**110**

FLD conducting other than KVK Scheme during					
		Area of FLDs (Ha)		**Number of Farmers**	
Scheme	**Crops**	**Targets**	**Achievement**	**Targets**	**Achievement**
Rabi – 2011-12					
Seed Village Scheme	Wheat	19.52	19.52	122	122
	Cumin	8	8	50	50
	Chickpea	4.48	4.48	28	28
ATIC	Wheat	2	2	5	5
TOT	Chickpea	1.5	1.5	5	5
Total		**35.40**	**35.40**	**210**	**210**

Training					**Extension Activities**			
3					**4**			
Number of Courses			**Number of Participants**		**Number of activities**		**Number of Participants**	
Clientele	**Targets**	**Achievement**	**T**	**A**	**T**	**A**	**T**	**A**
Farmers	72	71	2650	3011	-	-	-	-
Rural youth	5	4	300	119				
Extn.Functionaries	5	4	120	122				
Total	**82**	**79**	**3070**	**3252**	**-**	**-**	**-**	**-**

Seed Production (Kg.)	**Planting material (Nos.)**
5	**6**

Target	Achievement	Target	Achievement
	8883	-	-

3.B. Abstract of interventions 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	Increase the productivity of cotton	Cash crop	Sucking pest infestation	Management of sucking pest in cotton	-	Mgt. of sucking pest	-	Field day	Pesticides
2	Increase the productivity of groundnut	Oil seeds	Stem rot disease in groundnut	Biological control of *Sclerotium rolfsii* (stem rot) in groundnut	-	IDM in groundnut	-	Field day	Trichoderma

3.1 Achievements on technologies assessed and refined

A.1 Abstract of the number of technologies **assessed*** in respect of crops/enterprises

Thematic areas	Cereals	Oilseeds	Pulses	Comm-ercial Crops	Veget-ables	Fruits	Flower	Plant-ation crops	Tuber Crops	TOTAL
Varietal Evaluation	1	1	2							4
Seed / Plant production										
Weed/Thining Management										
Integrated Crop Management		1		1						2
Integrated Nutrient Management				1						1
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management		1	1	1						3
Integrated Disease Management		1		1						2
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	1	4	3	4						12

*** *Any new technology, which may offer solution to a location specific problem but not tested earlier in a given micro situation.*

A.2. Abstract of the number of technologies refined* in respect of crops/enterprises

Thematic areas	Cereals	Oilseeds	Pulses	Comm-ercial Crops	Veget-ables	Fruits	Flower	Plant-ation crops	Tuber Crops	TOTAL
Varietal Evaluation	1	1	2							4
Seed / Plant production										
Weed Management										

Integrated Crop Management		1		1						2
Integrated Nutrient Management				1						1
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology										
Integrated Pest Management		1	1	1						3
Integrated Disease Management		1		1						2
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	1	4	3	4						12

***** *Technology that is refined in collaboration with ICAR/SAU Scientists for improving its effectiveness.*

A.3. Abstract of the number of technologies **assessed** 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.4. Abstract on the number of technologies **refined** in respect of livestock / enterprises

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

B. Details of On Farm Trial carried out on farmers' field

A. & B. Technology Assessment/Refinement

OFT – 1 :- Cotton

OFT – 1:- Oilseeds (Groundnut) :

1) Title :- Biological control of *Sclerotium rolfsii* (stem rot) in groundnut

2) Problem definition:

-Low plant population

-Disease problems

-Lack of knowledge for use of recommended control measure

3) Detalis for technologies for assessment/ refinement

Category	Source of technology	Technologoy details	
Technology option 1	Farmer	T_1	Farmers practice (Control)

Technology option 2	Main Oilseeds Res. Station, JAU, Junagadh	T_2	*Trichoderma harzeanum* @ 2.5 kg/ha with castor cake @ 500kg/ha at the time of sowing
Technology option 3	-	T_3	Castor cake @ 500 kg/ha, Drenching of *Trichoderma harzeanum* @2.5 kg/ha at 30 & 45 DAG

4) Source of Technology:- Junagadh Agricultural University

5) Production system : Integrated disease management

6) Thematic area : Management of stem rot in groundnut

7) Performance of the Technology assessed / refined with performance indicators

Farmer No	Name of the farmer	Name of the Village	Data on the performance indicators of the technology assessed / refined		
			Technology Option 1	Technology Option 2	Technology Option 3
			Yield(q/ha)	Yield (q/ha)	Yield (q/ha)
1	Hitheshbhai Babubhai Pedadiya	Bhadra	16.7	21.5	17
2	Sureshbhai Ganeshbhai Kanzariya	Nathuvadala	15.8	20.6	19.3
3	Ganeshbhai Monabhai Kanzariya	Nathuvadala	17.9	19.8	17.6
		Average	**16.80**	**20.63**	**17.97**

8) Final recommendation for micro level situation:

Management of *Sclerotium rolfsii* in groundnut with *Trichoderma harzeanum* @ 2.5 kg/ha and castor cake @ 500kg/ha at the time of sowing having more beneficial

9) Constraints identified and feedback for research:

-Soil born fungus,
-Highly related with high moisture & temperature.
-Reduce stem rot diseases
-Yield increase compare to control plot
-Good and bigger quality of pods

10) Process of farmers participation and their reaction: Farmers have good response and they have support for OFT. They satisfied with this trial.

11) Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials *	Technology Assessed	Parameters of assessment	Data on the parameter (kg/ha)
1	2	3	4	5	6	7	8
Groundnut	Rainfed	Stem rot (*Sclerotium rolfcii*)	Yield losses in groundnut due to Sclerotium stem rot	3	Management of stem rot in groundnut	T_1- Farmers practice (Control)	1608
						T_2- Improved Practice (*Trichoderma harzeanum* @ 2.5 kg/ha with castor cake @ 500kg/ha at the time of sowing)	2063

					through *Trichoderma harzaneum*	T_3 – Refined Practices (Castor cake @ 500 kg/ha, Drenching of *Trichoderma harzeanum* @2.5 kg/ha at 30 & 45 DAG)	1797

**** No. of farmers***

Crop/ enterprise	Results of assessment	Feedback from the farmer	Any refinement done	Justification for refinement
1	9	10	11	12
Groundnut	Farmers have good response and they have support for OFT. They satisfied with this trial	Farmers have good response and they have support for OFT. They satisfied with this trial	Castor cake @ 500 kg/ha, Drenching of *Trichoderma harzeanum* @2.5 kg/ha at 30 & 45 DAG	Directely comes in contact with stem in drenching

Crop/ enterprise	Technology Assessed / Refined	*Production kg/ha	Input cost Rs./ha	Gross return Rs./ha	Net Return (Profit) in Rs. / ha	BC Ratio
1	**13**	**14**			**15**	**16**
Ground -nut	T_1- Farmers practice (Control)	1680	20250	68340	48090	3.37
	T_2- Improved Practice (*Trichoderma harzeanum* @ 2.5 kg/ha with castor cake @ 500kg/ha at the time of sowing)	2063	18640	87678	69038	4.70
	T_3 – Refined Practices (Castor cake @ 500 kg/ha, Drenching of *Trichoderma harzeanum* @2.5 kg/ha at 30 & 45 DAG)	1797	19787	76373	56586	3.86

OFT – 2 :- Cotton

1) Title: - Management of sucking pest in cotton

2) Problem diagnose/ definition:

--Improper irrigation

-No adoption of recommended practices

3) Details of technologies selected for assessment/ refinement

Category	Source of technology	Technology detail		
Technology option 1	Farmer	T_1	Farmer practices	New insectice use (Farmer practices)
Technology option 2	Milet Res. Station	T_2	Reco. practices	Use of new, old and bio control agent
Technology option 3		T_3	Refined practices	Alternate treatment one and two

4) Source of technology: Junagadh Agricultural University

5) Production system: Integrated Pest Management

6) Thematic area : Integrated Pest Management

7) Performance of the Technology assessed / refined with performance indicators

Farmer No	Name of the farmer	Name of the Village	Data on the performance indicators of the technology assessed / refined (Grain yield)		
			T_1	T_2	T_3
1	Laxmanbhai Nagdanbhai	Nana Garediya	27.50	31.5	30
2	Babubhai Harsukhbhai Pedadiya	Bhadra	28.20	31	28.3
3	Ramjibhai Govindbhai	Hadiyan	29.00	31.25	31.25
		Average	**28.23**	**31.25**	**29.85**

8) Final recommendation for micro level situation: Use of new, old and bio control agent give higher yield

9) Constraints identified and feedback for research:

--No knowledge aobut the use of particular pestices for the control of sucking pest resulted the development of resistance in the pest

-Use of higher dose of insecticide

-Improper irrigation

-Not adopting recommended schedule for spraying insecticdes

-Farmer spray insecticide as per instructions given by pesticides retailer

-Lack of knowledge about fertilizer and pesticides

10) Process of farmers participation and their reaction: Satisfactory

11) Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials *	Technology Assessed	Parameters of assessment	Data on the parameter (Grain Yield Q/ha)
1	2	3	4	5	6	7	8
Cotton	Rainfed farming	Incidence sucking pest in cotton	Management of sucking pest in cotton	3	Management of sucking pest in cotton	New insectice use (Farmer practices)	28.23
						Use of new, old and bio control agent	31.25
						Alternate treatment one and two	29.85

**** No. of farmers***

Crop/ enterprise	**Results of assessment**	**Feedback from the farmer**	**Any refinement done**	**Justification for refinement**
1	9	10	11	12
Cotton	According to parameter 7 farmers get higher yield in use of new, old and biocontrol agent	-	Use of new, old and bio control agent	-

Crop/ enterprise	**Technology Assessed / Refined**	***Production kg/ha**	**Input cost Rs./ha**	**Gross return Rs./ha**	**Net Return (Profit) in Rs. / ha**	**BC Ratio**

1	13	14	15	16	117	18
Cotton	New insectice use (Farmer practices)	2823	26987	119978	92991	4.45
	Use of new, old and bio control agent	3125	25640	132813	107173	5.18
	Alternate treatment one and two	2985	26452	126863	100411	4.80

**Field crops – kg/ha, * for horticultural crops -= kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermi compost kg/unit area.*

*** Give details of the technology assessed or refined and farmer's practice*

3.2 ACHIEVEMENTS OF FRONTLINE DEMONSTRATIONS

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

List of technologies demonstrated during previous year and popularized during 2011-12 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Groundnut	IPM	Trichoderma	Field days, Radio talk, Training and TV Progarme and demonstration	2	5	2
2	Groundnut	IPM	NPV	"	5	5	2
3	Green gram	Varietal	GM-4	"	5	10	4
4	Chick pea	Varietal	GM-3	"	5	15	6
5	Cotton (Component)	IPM	IPM & INM	"	3	25	10
6	Pearl millet	Varietal	GHB-558	"	3	20	8
7	Wheat	Varietal	GW-366	"	5	20	8
8	Cumin	Varietal	GC-4	"	5	10	4

** Thematic areas as given in Table 3.1 (A1 and A2)*

b. Details of FLDs implemented during 2011-12(Information is to be furnished in the following three tables for each category i.e. Oil seed, Pulse and Other)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Pro.	Actual	SC/ ST	Others	T	
	Oilseeds									
1	Groundnut	IPM	Trichoderma	*Kharif* 11-12	2	2	1	4	5	-
2	Groundnut	IPM	NPV	*Kharif* 11-12	2	2	4	3	5	-
	Pulse									
3	Green gram	Varietal	GM-4	*Summer11-12*	4	4	3	7	10	
4	Chick pea	Varietal	GM-3	*Rabi 11-12*	6	6	3	12	15	
	Others									
5	Cotton (Component)	IPM	IPM & INM	*Kharif* 11-12	10	10	5	20	25	
6	Pearl millet	Varietal	GHB-558	*Kharif11-12*	8	8	4	16	20	
7	Wheat	Varietal	GW-366	*Rabi 11-12*	8	8	3	17	20	
8	Cumin	Varietal	GC-4	*Rabi 11-12*	4	4	2	8	10	

Details of farming situation

Crop	Season	Farming situation (RF/ Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Oilseeds											
Groundnut	*Kharif*	Rainfed	MB	M	M	H	G'nut, Sesamum	1 to 20 July	15 to 30 Oct	660	-
Groundnut	*Kharif*	Rainfed	MB	M	M	H	G'nut, Sesamum	1 to 20 July	15 to 30 Oct	660	-
Pulse											
Green gram	*Summer*	Irrigated	MB	M	M	H	Cotton	25 Jan to 15 Feb	-	660	-
Chick pea	*Rabi*	Irrigated	MB	M	M	H	Cotton	8-15 Nov	12-30 Feb	660	-
Others											
Cotton (Component)	*Kharif*	Irrigated	MB	M	M	H	Cotton	15-30 June	15 Nov to 10-Jan	660	-
Pearl millet	*Kharif*	Irrigated	MB	M	M	H	cotton	1 to 15 July	25 sept to 15 Oct	660	-
Wheat	*Rabi*	Irrigated	MB	M	M	H	Groundnut	15 oct to 20 Nov	1-25 Feb	660	-
Cumin	*Rabi*	Irrigated	MB	M	M	H	Groundut	20 Oct to 15 Nov	10-20 Feb	660	-

Performance of FLD

Sl. No.	Crop	Technology Demo.	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Increase in yield (%)	Data on parameter in relation to technology demonstrated	
						H	L	A			Demo	Local
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**
	Oilseeds											
1	Groundnut	IPM	GG-20	5	2	19.37	15	17.19	14.37	16.40	17.19	14.37
2	G'nut (NPV)	IPM	GG-20	5	2	18.75	14.37	16.56	14.06	15.10	16.56	14.06
	Pulse											
3	Chick pea	Variety	GG-3	15	6	35	27.5	31.25	25.62	18.02	31.25	25.62
4	Green Gram	Variety	GM-4	10	4	-	-	-	-	-	-	-
	Other											
5	Cotton	IPM and INM	Bt.	25	10	38.75	35	36.88	29.37	20.36	36.88	29.37
6	Pearl millet	Variety	GHB-538	20	8	37.5	30	33.75	28.75	14.81	33.75	28.75
7	Wheat	Variety	GW-366	20	8	67.5	48.75	58.13	48.12	17.22	58.13	48.12
8	Cumin	Variety	GC-4	10	4	9.37	6.25	7.81	6.56	16.01	7.81	6.56

*Component demonstration

Economic Impact (continuation of previous table)

Crop	Average Cost of cultivation (Rs./ha)		Average Gross Return (Rs./ha)		Average Net Return (Profit) (Rs./ha)		Benefit-Cost Ratio
	Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
	14	15	16	17	18	19	20
Oilseeds							
Groundnut	26200	27100	77355	64665	51155	37565	2.95
G'nut (NPV)	26000	27100	74520	63270	48520	36170	2.87
Pulse							
Chick pea	9500	11000	93750	76860	84250	65860	9.87
Green Gram	-	-	-	-	-	-	-
Other							
Cotton	28500	32000	147520	117480	119020	85480	5.18
Pearl millet	8500	9800	50625	43125	42125	33325	5.96
Wheat	13400	16500	87195	72180	73795	55680	6.51
Cumin	12400	14700	109340	91840	96940	77140	8.82

NB: Attach few good action photographs with title at the back with pencil

Analytical Review of component demonstrations (details of each component for rainfed / irrigated situations to be given separately for each season).

Crop	Season	Component		Farming situation	Average Yield (q/ha)	Local Check Yield (q/ha)	Percentage increase in productivity over local check
Groundnut	*Kharif* - 2011	Seed (Variety)	GG-20	Rainfed	17.19	14.37	16.40
		Bio-fertilizer					
		Fertilizer Management					
		Plant Protection	Trichoderma,				
		Combination of Components					
Groundnut	*Kharif* - 2011	Seed (Variety)	GG-20	Rainfed	16.56	14.06	15.10
		Bio-fertilizer					
		Fertilizer Management					
		Plant Protection	NPV, Pheromone Trape				
		Combination of Components					
Chickpea	*Rabi* 2011-12	Seed (Variety)	GG-3	Irrigated	31.25	25.62	18.02
		Bio-fertilizer					
		Fertilizer Management	DAP, Urea				
		Plant Protection	Indoxacarb, Vitavax, Pheromone Trap				
		Combination of Components	Pendimethalin4				
Green Gram	*Summer* 2011-12	Seed (Variety)	GM-4	Irrigated	-	-	-
		Bio-fertilizer					
		Fertilizer Management	Urea, SSP, , Zinc Sulphate				

		Plant Protection	Mancozeb, Profenophos				
		Combination of Components	Pendimethalin				
Cotton	*Kharif* - 2011	Seed (Variety)	Bt. Cotton	Irrigated	31.25	25.62	18.02
		Bio-fertilizer					
		Fertilizer Management	Mineral Mixture				
		Plant Protection	imidacloprid 0.006%, Neem Oil, Verticillium				
		Combination of Components					
Pearl Millet	*Kharif* 2011	Seed (Variety)	GHB-538	Irrigated	28.75	14.81	28.75
		Bio-fertilizer					
		Fertilizer Management	DAP, UREA				
Wheat	*Rabi* 2011-12	Seed (Variety)	GW – 366	Irrigated	58.13	48.12	17.22
		Bio-fertilizer					
Cumin	*Rabi* 2011-12	Seed (Variety)	Gu.Cum.-4	Irrigated	7.81	6.56	16.01
		Bio-fertilizer					
		Fertilizer Management					
		Plant Protection	Mancozeb, sulpher,				
		Combination of Components					

Technical Feedback on the demonstrated technologies

Sl. No.	Crop	Variety	Farmers' Feed Back
1	Groundnut	GG-20	➢ Very effective against stem rot (*Sclerotium rolfsii*) in humid and low temperature (during rainy days) ➢ It is effective as good as chemical fungicide ➢ Easy to application ➢ No hazardious ➢ Low cost
2	Groundnut	GG-20	➢ Very effective against spodoptera during low radiation ➢ It is effective as good as chemical pesticides ➢ Easy to application ➢ No hazardious ➢ Low cost
3	Chick Pea	GG-3	➢ Good pod formation ➢ High yielding variety ➢ partially wilt resistant variety ➢ It perform as per water management
4	Green Gram	GM-4	➢ Synchronise maturity ➢ High yielding & Short duration variety ➢ Good colour having high market value
5	Cotton	Bt.Cotton	➢ Low cost chemical control for longer time ➢ It prove that prevention is better then cure for pest management ➢ High yielding varieties require additional feed & micronutrient then desi cotton

6	Pearl Millet	GHB-538	➢ High yielding variety ➢ Short duration variety ➢ Synchronise maturity and equal height ➢ High tillering capacity ➢ Good for dietary and animal feeding purpose
7	Wheat	GW-366	➢ Seed provided was healthy with good germination ➢ Require termite and stem borer resistant variety. ➢ Good variety for Backing, ➢ High tillers, high yield with synchronise maturity ➢ Dark green colour
8	Cumin	Guj. Cum.-4	➢ Diseases resistant variety ➢ High yielding variety ➢ Cheaper to control diseases ➢ Prove that prevention is better then cure in diseases management

Farmers' reactions on specific technologies

Sl. No.	Crop	Variety	Farmers' Reaction
1	Groundnut	GG-20	➢ Very effective against stem rot (*Sclerotium rolfsii*) in humid and low temperature (during rainy days) ➢ It is effective as good as chemical fungicide ➢ Easy to application ➢ No hazardious ➢ Low cost
2	Groundnut	GG-20	➢ Very effective against spodoptera during low radiation ➢ It is effective as good as chemical pesticides ➢ Easy to application ➢ No hazardious ➢ Low cost
3	Chick Pea	GG-3	➢ Good pod formation ➢ High yielding variety ➢ partially wilt resistant variety ➢ It perform as per water management
4	Greem Gram	GM-4	➢ Synchronise maturity ➢ High yielding & Short duration variety ➢ Good colour having high market value
5	Cotton	Bt. Cotton	➢ Bollworm resistant ➢ High yielding variety ➢ Short duration variety
6	Pearl Millet	GHB-538	➢ High yielding, Short duration variety ➢ Synchronise maturity and equal height, ➢ High tillering capacity ➢ Good for dietary and animal feeding purpose
7	Wheat	GW-366	➢ Good variety for Backing, ➢ High tillers, high yield with synchronise maturity ➢ Dark green colour
8	Cumin	Guj. Cum.-4	➢ Diseases resistant variety ➢ High yielding variety

Extension and Training activities under FLD

Sr. No.	Activity	No. of Activity organised	No. of Participants			Remarks
			Male	Female	Total	
	Groundnut					
1	Field days	2	42	20	62	
2	Training for farmers	1	21		21	
3	Radio Talk	1				
4	Training for Extension functionaries	1	32		32	
	Groundnut (NPV)					
1	Field days	3	63	18	81	
2	Training for farmers	1	28	4	32	
3	Radio Talk					
4	Training for Extension functionaries					
	Chick Pea					
1	Field days	1	21	5	26	
2	Training for farmers	1	24	3	27	
3	Radio Talk					
4	Training for Extension functionaries					
	Green Gram					
1	Field days	1	18	4	22	
2	Training for farmers	1	28	3	31	
3	Radio Talk					
4	Training for Extension functionaries					
	Cotton					
1	Field days	1	27	8	35	
2	Training for farmers	1	38	4	42	
3	Radio Talk	1				
4	Training for Extension functionaries	1	30		30	
	Pearl Millet					
1	Field days	1	18	3	21	
2	Training for farmers	1	17	5	22	
3	Media coverage (Radio Talk)					
4	Training for Extension functionaries					
	Wheat					
1	Field days	3	56	14	70	
2	Training for farmers	2	36		36	
3	Media coverage (Radio Talk)	1				
4	Training for Extension functionaries	1	27		27	
	Cumin					
1	Field days	2	36	8	44	
2	Training for farmers	1	20		20	
3	Media coverage (Radio Talk)	1				
4	Training for Extension functionaries					

c. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	crop	No. of farmers	Area (ha)	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Rotavator	Cotton	2	5	-	-	-	-	-
	Wheat	2	5	-	-	-	-	-
Cotton stalk shreder	Cotton	4	10	-	-	-	-	-

** Field efficiency, labour saving etc.*

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
-	-	-	-	-	-	-	-	

** Milk production, meat production, egg production, reduction in disease incidence etc.*

(iii) Other Enterprises

Enterprise	Variety/ breed/ Species/ others	No. of farmers	No. of Units	Performance parameters / indicators	Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Mushroom	-	--	-	-	-	-	-	-
Apiary	-	--	-	-	-	-	-	-
Sericulture	-	--	-	-	-	-	-	-
Vermi compost	-	--	-	-	-	-	-	-

3.3 ACHIEVEMENTS ON TRAINING (Including the sponsored and FLD training programmes and other):

A) On Campus

Thematic Area	No. of Courses	No. of Participants								
		Others			SC/ST			Total		
		M	F	T	M	F	T	M	F	T
(A) Farmers & Farm Women										
I Crop Production										
Weed Management	1	24	0	24	7	0	7	31	0	31
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										

Water management	1	36	4	40	6	0	6	42	4	46
Seed production	1	28	0	28	5	0	5	33	0	33
Nursery management										
Integrated Crop Management	1	38	2	40	11		11	49	2	51
Fodder production										
Production of organic inputs		0								
Total	**4**	**126**	**6**	**132**	**29**	**0**	**29**	**155**	**6**	**161**
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)	1	22	8	30	4	2	6	26	10	36
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	1	32		32	6		6	38	0	38
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										
Total	**2**	**54**	**8**	**62**	**10**	**2**	**12**	**64**	**10**	**74**
III Soil Health and Fertility Management										
Soil fertility management										
Soil and Water Conservation										
Integrated Nutrient Management	1	33	0	33	9		9	42	0	42
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Soil and Water Testing										
Total	**1**	**33**	**0**	**33**	**9**	**0**	**9**	**42**	**0**	**42**
IV Livestock Production and Management				0			0	0	0	0
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Disease Management										
Feed management										
Production of quality animal products										
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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										
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	1	0	23	23	0	4	4	0	27	27
Total	**1**	**0**	**23**	**23**	**0**	**4**	**4**	**0**	**27**	**27**
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems	1	28		28	3		3	31	0	31
Use of Plastics in farming practices										

Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology	1	32	4	36	7	0	7	39	4	43
Total	**2**	**60**	**4**	**64**	**10**	**0**	**10**	**70**	**4**	**74**
VII Plant Protection										
Integrated Pest Management	4	92	0	92	14	0	14	106	0	106
Integrated Disease Management	2	41	0	41	11	0	11	52	0	52
Bio-control of pests and diseases	2	36		36	8		8	44	0	44
Production of bio control agents and bio pesticides										
Total	**8**	**169**	**0**	**169**	**33**	**0**	**33**	**202**	**0**	**202**
VIII Fisheries				0			0	0	0	0
Integrated fish farming	1	7	0	7	32	0	32	39	0	39
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										
Total	**1**	**7**	**0**	**7**	**32**	**0**	**32**	**39**	**0**	**39**
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
X Capacity Building and Group Dynamics										

Leadership development	1	28		28	7		7	35	0	35
Group dynamics				0			0	0	0	0
Formation and Management of SHGs	1	18	8	26	6	4	10	24	12	36
Mobilization of social capital										
Entrepreneurial development of farmers/youths	1	32		32	7		7	39	0	39
WTO and IPR issues	0			0	0		0	0	0	0
Total	**3**	**78**	**8**	**86**	**20**	**4**	**24**	**98**	**12**	**110**
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Total										
XII Others (Pl. Specify)										
TOTAL	**22**	**527**	**49**	**576**	**143**	**10**	**153**	**670**	**59**	**729**
(B) RURAL YOUTH										
Mushroom Production										
Bee-keeping										
Integrated farming										
Seed production										
Production of organic inputs										
Integrated Farming	1	24	0	24	7	0	7	31	0	31
Planting material production										
Vermi-culture										
Sericulture										
Protected cultivation of vegetable crops										
Commercial fruit production										
Repair and maintenance of farm machinery and implements										
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Value addition	1	0	18	18	0	6	6	0	24	24
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										

Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
TOTAL	**2**	**24**	**18**	**42**	**7**	**6**	**13**	**31**	**24**	**55**
(C) Extension Personnel										
Productivity enhancement in field crops										
Integrated Pest Management	1	19	0	19	8	0	8	27	0	27
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Formation and Management of SHGs										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Care and maintenance of farm machinery and implements										
WTO and IPR issues										
Management in farm animals										
Livestock feed and fodder production										
Household food security	1	22		22	4		4	26	0	26
Women and Child care										
Low cost and nutrient efficient diet designing										
Production and use of organic inputs										
Gender mainstreaming through SHGs										
Any other (Pl. Specify)										
TOTAL	**2**	**41**	**0**	**41**	**12**	**0**	**12**	**53**	**0**	**53**
Grand Total	**26**	**592**	**67**	**659**	**162**	**16**	**178**	**754**	**83**	**837**

B) Off Campus

Thematic Area	No. of Courses	No. of Participants								
		Others			SC/ST			Total		
		M	F	T	M	F	T	M	F	T
(A) Farmers & Farm Women										
I Crop Production										
Weed Management	1	32	4	36	8	3	11	40	7	47
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming	1	28	0	28	4		4	32	0	32

Water management										
Seed production	2	42	7	49	11	4	15	53	11	64
Nursery management										
Integrated Crop Management	1	26		26	3		3	29	0	29
Fodder production										
Production of organic inputs	0									
Total	**5**	**128**	**11**	**139**	**26**	**7**	**33**	**154**	**18**	**172**
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)	1	31	3	34	7		7	38	3	41
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	1	28		28	8		8	36	0	36
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										
Total	**2**	**59**	**3**	**62**	**15**	**0**	**15**	**74**	**3**	**77**
III Soil Health and Fertility Management										
Soil fertility management										
Soil and Water Conservation	1	22	4	26	6	1	7	28	5	33
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops	1	28		28	3		3	31	0	31
Nutrient Use Efficiency										
Soil and Water Testing										
Total	**2**	**50**	**4**	**54**	**9**	**1**	**10**	**59**	**5**	**64**
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Disease Management										
Feed management										
Production of quality animal products										
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	1	0	42	42	0	11	11	0	53	53
Income generation activities for empowerment of rural Women				0			0	0	0	0
Location specific drudgery reduction technologies										
Rural Crafts	1	0	28	28		7	7	0	35	35
Women and child care	1	0	26	26	0	17	17	0	43	43
Total	**3**	**0**	**96**	**96**	**0**	**35**	**35**	**0**	**131**	**131**
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems	1	24		24	6		6	30	0	30
Use of Plastics in farming practices										

Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology	1	32		32	8		8	40	0	40
Total	**2**	**56**	**0**	**56**	**14**	**0**	**14**	**70**	**0**	**70**
VII Plant Protection										
Integrated Pest Management	4	87	15	102	24	8	32	111	23	134
Integrated Disease Management	6	128	18	146	38	8	46	166	26	192
Bio-control of pests and diseases	2	42		42	10		10	52	0	52
Production of bio control agents and bio pesticides	2	38	6	44	7	2	9	45	8	53
Total	**14**	**295**	**39**	**334**	**79**	**18**	**97**	**374**	**57**	**431**
VIII Fisheries				0			0	0	0	0
Integrated fish farming	2	18	0	18	35	8	43	53	8	61
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										
Total	**2**	**18**	**0**	**18**	**35**	**8**	**43**	**53**	**8**	**61**
IX Production of Inputs at site				0			0	0	0	0
Seed Production	1	17	3	20	9	2	11	26	5	31
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Total	**1**	**17**	**3**	**20**	**9**	**2**	**11**	**26**	**5**	**31**
X Capacity Building and Group Dynamics				0			0	0	0	0

Leadership development	1	25	3	28	8	4	12	33	7	40
Group dynamics	1	32		32	5		5	37	0	37
Formation and Management of SHGs	1	28	8	36	6	2	8	34	10	44
Mobilization of social capital										
Entrepreneurial development of farmers/youths	1	18		18	8		8	26	0	26
WTO and IPR issues				0			0	0	0	0
Total	**4**	**103**	**11**	**114**	**27**	**6**	**33**	**130**	**17**	**147**
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Total										
XII Others (Pl. Specify)										
TOTAL	**35**	**726**	**167**	**893**	**214**	**77**	**291**	**940**	**244**	**1184**
(B) RURAL YOUTH										
Mushroom Production										
Bee-keeping										
Integrated farming	1	28	3	31	5	0	5	33	3	36
Seed production										
Production of organic inputs										
Integrated Farming										
Planting material production										
Vermi-culture										
Sericulture										
Protected cultivation of vegetable crops										
Commercial fruit production										
Repair and maintenance of farm machinery and implements										
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Value addition	1	0	22	22	0	6	6	0	28	28
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										

Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
TOTAL	**2**	**28**	**25**	**53**	**5**	**6**	**11**	**33**	**31**	**64**
(C) Extension Personnel										
Productivity enhancement in field crops										
Integrated Pest Management	1	23	0	23	8	0	8	31	0	31
Integrated Nutrient management	1	32		32	6		6	38	0	38
Rejuvenation of old orchards										
Protected cultivation technology										
Formation and Management of SHGs										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Care and maintenance of farm machinery and implements										
WTO and IPR issues										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Women and Child care										
Low cost and nutrient efficient diet designing										
Production and use of organic inputs										
Gender mainstreaming through SHGs										
Any other (Pl. Specify)										
TOTAL	**2**	**55**	**0**	**55**	**14**	**0**	**14**	**69**	**0**	**69**
Grand Total	**39**	**809**	**192**	**1001**	**233**	**83**	**316**	**1042**	**275**	**1317**

C) Consolidated table (On and OFF Campus)

Thematic Area	No. of Courses	No. of Participants								
		Others			SC/ST			Total		
		M	F	T	M	F	T	M	F	T
(A) Farmers & Farm Women										
I Crop Production										
Weed Management	2	56	4	60	15	3	18	71	7	78
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0
Integrated Farming	1	28	0	28	4	0	4	32	0	32
Water management	1	36	4	40	6	0	6	42	4	46

Seed production	3	70	7	77	16	4	20	86	11	97
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	2	64	2	66	14	0	14	78	2	80
Fodder production	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Total	**9**	**254**	**17**	**271**	**55**	**7**	**62**	**309**	**24**	**333**
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	0	0	0	0	0	0	0	0	0	0
Off-season vegetables	0	0	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0	0	0
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	2	53	11	64	11	2	13	64	13	77
b) Fruits										
Training and Pruning	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0	0	0
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	2	60	0	60	14	0	14	74	0	74
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0
c) Ornamental Plants										
Nursery Management	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0
d) Plantation crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
e) Tuber crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
f) Spices										
Production and Management technology	0	0	0	0	0	0	0	0	0	0

Processing and value addition	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants										
Nursery management	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0
Total	**4**	**113**	**11**	**124**	**25**	**2**	**27**	**138**	**13**	**151**
III Soil Health and Fertility Management										
Soil fertility management	0	0	0	0	0	0	0	0	0	0
Soil and Water Conservation	1	22	4	26	6	1	7	28	5	33
Integrated Nutrient Management	1	33	0	33	9	0	9	42	0	42
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	1	28	0	28	3	0	3	31	0	31
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0	0	0
Total	**3**	**83**	**4**	**87**	**18**	**1**	**19**	**101**	**5**	**106**
IV Livestock Production and Management										
Dairy Management	0	0	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0
Feed management	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	0	0	0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0
Value addition	1	0	42	42	0	11	11	0	53	53

Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0
Rural Crafts	1	0	28	28	0	7	7	0	35	35
Women and child care	2	0	49	49	0	21	21	0	70	70
Total	**4**	**0**	**119**	**119**	**0**	**39**	**39**	**0**	**158**	**158**
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems	2	52	0	52	9	0	9	61	0	61
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	2	64	4	68	15	0	15	79	4	83
Total	**4**	**116**	**4**	**120**	**24**	**0**	**24**	**140**	**4**	**144**
VII Plant Protection										
Integrated Pest Management	8	179	15	194	38	8	46	217	23	240
Integrated Disease Management	8	169	18	187	49	8	57	218	26	244
Bio-control of pests and diseases	4	78	0	78	18	0	18	96	0	96
Production of bio control agents and bio pesticides	2	38	6	44	7	2	9	45	8	53
Total	**22**	**464**	**39**	**503**	**112**	**18**	**130**	**576**	**57**	**633**
VIII Fisheries										
Integrated fish farming	3	25	0	25	67	8	75	92	8	100
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0

Total	**3**	**25**	**0**	**25**	**67**	**8**	**75**	**92**	**8**	**100**
IX Production of Inputs at site										
Seed Production	1	17	3	20	9	2	11	26	5	31
Planting material production	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Total	**1**	**17**	**3**	**20**	**9**	**2**	**11**	**26**	**5**	**31**
X Capacity Building and Group Dynamics										
Leadership development	2	53	3	56	15	4	19	68	7	75
Group dynamics	1	32	0	32	5	0	5	37	0	37
Formation and Management of SHGs	2	46	16	62	12	6	18	58	22	80
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	2	50	0	50	15	0	15	65	0	65
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Total	**7**	**181**	**19**	**200**	**47**	**10**	**57**	**228**	**29**	**257**
XI Agro-forestry										
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)	0	0	0	0	0	0	0	0	0	0
TOTAL	**57**	**1253**	**216**	**1469**	**357**	**87**	**444**	**1610**	**303**	**1913**
	0	0	0	0	0	0	0	0	0	0
(B) RURAL YOUTH										
Mushroom Production	0	0	0	0	0	0	0	0	0	0
Bee-keeping	0	0	0	0	0	0	0	0	0	0
Integrated farming	1	28	3	31	5	0	5	33	3	36
Seed production	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Integrated Farming	1	24	0	24	7	0	7	31	0	31
Planting material production	0	0	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0

Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	0	0	0	0	0	0	0	0	0	0
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0
Value addition	2	0	40	40	0	12	12	0	52	52
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
TOTAL	**4**	**52**	**43**	**95**	**12**	**12**	**24**	**64**	**55**	**119**
(C) Extension Personnel										
Productivity enhancement in field crops	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	2	42	0	42	16	0	16	58	0	58
Integrated Nutrient management	1	32	0	32	6	0	6	38	0	38
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0

Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0
Household food security	1	22	0	22	4	0	4	26	0	26
Women and Child care	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0	0	0
TOTAL	**4**	**96**	**0**	**96**	**26**	**0**	**26**	**122**	**0**	**122**
Grand Total	**65**	**1401**	**259**	**1660**	**395**	**99**	**494**	**1796**	**358**	**2154**

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Training title*	Identified Thrust Area	Dura-tion (days)	No. of Participants									No. of persons emp-loyed	Empl-oyed elsewhere
				General			SC/ST			Total				
				M	F	T	M	F	T	M	F	T		
Fruit	Preparation of jam, jelly and pickles	Value addition in fruit	1	0	18	18	0	4	4	0	22	22	0	0
Compost pit	Preparation of compost pit	Soil fertility improvement	1	22	0	22	4	0	4	26	0	26	0	0
Vermi compost	Production off varmi compost	Self employment	1	32	3	35	5	0	5	37	3	40	2	1
Recyclineg of farm waste	Recycling of farm waste in to compost	Soil improvement	1	28	0	28	6		6	34	0	34	0	0

*training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes
(Details of training is given in Annexure-V)

Sr. No.	Date	Discipline	Dur a-tion	Total No. of participants									Sponsoring Agency
				Other			SC/ ST			Total			
				M	F	T	M	F	T	M	F	T	
1	01-07-2011	Agron	1	12	4	16	9	2	11	21	6	27	DAO

2	03-10-2011	Pl.Prot	1	425	91	516	66	36	102	491	127	618	ATMA
3	10-08-2011	Agri. Engg.	1	15	6	21	4	2	6	19	8	27	DWDU
4	20-08-2011	Water shed	1	18	4	22	2	0	2	20	4	24	DWDU
5	14-09-2011	Well recharge	1	22	4	26	2	0	2	24	4	28	DWDU
6	16-09-2011	Self Help group	1	20	3	23	2	0	2	22	3	25	DWDU
7	26-09-2011	Water shed	1	23	2	25	3	0	3	26	2	28	DWDU
8	18-01-2012	SHGs	1	19	2	21	3	0	3	22	2	24	DWDU
9	19-01-2012	Water shed	1	22	3	25	3	0	3	25	3	28	DWDU
10	6-1-2012	Soil Health	2	24	5	29	-	-	-	24	5	29	ATMA
11	23-3-2012	Crop production	1	47	2	49	36	3	39	83	5	88	DWDU
12	22-3-2012	Crop production	3	18	-	18	12	-	12	30	-	30	ATMA

Extension Programmes (including activities of FLD programmes)

Sr. No.	Nature of Extension Activity	No. of activities	Participants											
			Farmers (Others)			SC/ST (Farmers)			Extension Officials			Grand Total		
			M	F	T	M	F	T	M	F	T	M	F	T
1	**2**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
1	Field Day													
	G'nut	2	32	6	38	3	2	5			0	35	8	43
	Pearl millet	1	28	3	31	8	1	9			0	36	4	40
	Green gram	1	26	8	34	2	4	6			0	28	12	40
	Chick pea	1	22	7	29	3	2	5			0	25	9	34
	Wheat	3	63	17	80	15	4	19				78	21	99
	Cumin	2	38	5	43	8	2	10				46	7	53
	Cotton	1	22	0	22	2	0	2			0	24	0	24
	Total	**11**	**231**	**46**	**277**	**41**	**15**	**56**	**0**	**0**	**0**	**272**	**61**	**333**
2	Kisan Mela	1	2280	1025	3305	725	207	932	24	8	32	3029	1240	4269
		1	32		32	3		3			0	35	0	35
		1	28		28			0			0	28	0	28
3		1	19		19	7		7			0	26	0	26
		1	47		47	3		3			0	50	0	50
		1	40		40	2		2			0	42	0	42
	Kisan Ghosthi	1	33		33	4		4			0	37	0	37
	Total	**6**	**199**	**0**	**199**	**19**	**0**	**19**	**0**	**0**	**0**	**218**	**0**	**218**
4.	Exhibition	0			0			0			0	0	0	0
5.	Film Show	6	87	24	111	22	8	30			0	109	32	141
6.	M. Demo	8	22		22	8		8			0	30	0	30
7.	Farmers	1	52	11	63	22		22	0	0	0	74	11	85
	Seminar	1	25	4	29	8		8			0	33	4	37
	Total	**16**	**186**	**39**	**225**	**60**	**8**	**68**	**0**	**0**	**0**	**246**	**47**	**293**

8.	Workshop				0			0			0	0	0	0
9.		1	24		24	3		3			0	27	0	27
	Group meetings	1	21		21			0			0	21	0	21
	Total	**2**	**45**	**0**	**45**	**3**	**0**	**3**	**0**	**0**	**0**	**48**	**0**	**48**
10.	Lectures delivered as resource persons	2	124	45	169	21	3	24	2		2	147	48	195
		2	145	22	167	15	0	15			0	160	22	182
		3	223	66	289	31	0	31	2		2	256	66	322
		2	98	0	98	12	0	12	1		1	111	0	111
		1	0	28	28	0	3	3	1		1	1	31	32
		1	137	22	159	21	7	28			0	158	29	187
	Total	**11**	**727**	**183**	**910**	**100**	**13**	**113**	**6**	**0**	**6**	**833**	**196**	**1029**
11	News paper	**1**			0			0			0	0	0	0
12	Radio talks	2			0			0			0	0	0	0
13	TV talks				0			0			0	0	0	0
14	Popular articles	1			0			0			0	0	0	0
15	Ext.Literatur				0			0			0	0	0	0
16	Advisory Services	5	54		54	14		14			0	68	0	68
17	Scientific visit to farmers field	14	78		78	6		6			0	84	0	84
18.	Farmers visit to KVK	25	524	187	711	105	98	203			0	629	285	914
19	Diagnostic visits	12			0			0			0	0	0	0
20	Agri mobile Service	1050			0			0			0	0	0	0
21	Soil test campaigns	0			0			0			0	0	0	0
23	Night meeting	3	55		55	12		12			0	67	0	67
24	Colobrative training	6	187	27	214	35	8	43			0	222	35	257
25	Training to ext.functionries	4	62		62	14		14	76	0	76	152	0	152
26	Technology week celebration	1	425	91	516	17	13	30			0	442	104	546
	Total	**1171**	**5053**	**1598**	**6651**	**1151**	**362**	**1513**	**106**	**8**	**114**	**6310**	**1968**	**8278**

3.5 Production and supply of Technological products (2011-12)

SEED MATERIALS

Sr.No.	Crop	Variety	Quantity (Kg.)	Value	Provided No. of farmers
1.	Groundnut	GG-5	643		
		GAUG-10	100		
2.	Sesamum	G.Til.-2	140		
3.	Wheat	GW-366	8000		
4.	Castor				

SUMMARY

Sl. No.	Major group/class	Quantity (Kg.)	Value (Rs.)	Provided to No. of Farmers
1	CEREALS	8000		
2	OILSEEDS	743		-

3	PULSES			
4	VEGETABLES			
5	OTHERS	140		
TOTAL		**8883**		

PLANTING MATERIALS : Nil..

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS					
SPICES					
VEGETABLES					
FOREST SPECIES					
ORNAMENTAL CROPS					
PLANTATION CROPS					
Others (specify)					

SUMMARY

Sl. No.	Major group/class	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS			
2	VEGETABLES			
3	SPICES			
4	FOREST SPECIES			
5	ORNAMENTAL CROPS			
6	PLANTATION CROPS			
7	OTHERS			
	TOTAL			

BIO PRODUCTS

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
BIOAGENTS						
BIOFERTILIZERS						
BIO PESTICIDES	Savaj	*Trichoderma harzianum*		1500	105000	836

SUMMARY

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	(kg)		
1	BIOAGENTS					
2	BIO FERTILIZERS					
3	BIO PESTICIDE	*Trichoderma harzianum*		1500	105000	836
	TOTAL					

LIVESTOCK : NIL..

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos	Kgs		
Cattle						

FISHERIES						
Others (Specify)						

SUMMARY						
Sl. No.	**Type**	**Breed**	**Quantity**		**Value (Rs.)**	**Provided to No. of Farmers**
			Nos	**Kgs**		
1	CATTLE					
2	FISHERIES					
3	OTHERS					
	TOTAL					

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

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

KVK is already part of JAU newsletter, which is periodically

(B) Literature developed/published

Literature developed / published

Sr.No	**Name of publication**	**Author**
1	A Book on Microbial Biopesticides and Pest Management	Dr.G.M. Parmar and Dr.N.B.Jadav

(C) Details of Electronic Media Produced

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

3.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)

Success story-1

PROFILE OF FARM WOMEN INNOVATORS

Personal Profile

Name of farmwomen : Parmaben Oghadbhai Makwana
Contact No. : 07567879321
Address : At.- Makanpur, Ta.- Dwarka, Dist.- Jamnagar
Age : 45 Year
Education(highest level and subject) : 4

Decomposing of FYM & waste material

Makanpur comes on coastal area; there is a saline and alkaline soil, therefore, economic crops cannot take, only fodder crops can grow. Parmaben is land less but she farming contractually other farmers. Side by side she started animal keeping and induce income of her family by selling milk, ghee and FYM. She grazing the buffalo naturally and some fodder maintain from contractual farming & some purchase from other farmers. She come in

contact with KVK and trained about decomposition of FYM and product organic matter.

Land holding : --
Crops grown : --
Livestock : 2 Buffalo, female calf 1

Practical Utility of the Innovation/ Mode etc.

Present days, soil fertility degraded day by day due to inadequate FYM, and low availability of FYM because of less number of animal possess by farmers,. Therefore, value of well compost FYM is increase day by day. Parmaben produced 3 tons well compost FYM from 3 animals in a month and the revenue generate Rs. 6000/- (Rs. 72,000/- per annum). Earlier they sold collected animal waste and got income far less as compare to preparation of decompose of waste material and she increase her family socio economic status.

Success Story-2

PROFILE OF FARM WOMEN INNOVATORS

Personal Profile

Name of farmwomen : Jadeja Binduba
Contact No. : 02892695216
Address : At.- Bhimrana , Ta.- Dwarka, Dist.- Jamnagar
Age : 38
Education(highest level and subject) : 8
Land holding : 0.4 ha
Crops grown : Chilli, tomato, vegetables, fodder

Preparation of Pickles from Green Chili

Bhimrana is a small village comes near coastal area near Mithapur. Jadeja Binduba is one of the farm women having very less land (0.4 ha) and she keeping one cow. Her family income is very low. Therefore, she done multipurpose business *viz.*, flour meal, cutlery selling pickles shelling etc.

Practical Utility of the Innovation/ Mode etc.

Jadeja Binduba comes from small farmer family. She has 0.4 hectare land which is very less for her

Livestock : 1 Cow

family. She has done multipurpose business for increase her income. Cutlery selling, flour meal, cow keeping and selling milk and ghee etc. She grows chili and other vegetables in her farm and also purchase from market at commercial rate. Prepare pickles from this chili and packing herself in own brand rappers. Thus, Binduba get net income Rs. 8000 per month from this pickles.

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

1. Innovative methodology:

- Farmers to farmer dissemination
- Distributed printed leaflet to farmers
- Farm School on farmer's field

2. Innovative technology transfer:

- Use of FYM to minimize the chemical fertilizer in cotton
- Use of Trichoderma against stem rot disease of groundnut
- Tractor mounted sprayer
- Introduction of new variety i.e.GG-3
- Use of trap crop, pheromone trap etc. as a IPM component
- Cotton stalk shredder

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1.	Chilly	Use castor as a trap crop	For controlling thrips and jassids
2	Crop husbandry	Crop rotation and mixed cropping	Control weed

3	"	Mixing of ash with pulse/millet grains	While storing to protect from pest
4	"	Vegetable seeds placed inside cowdung	Use for next year
5	Fertility Managt	Application of ash	To improve soil fertility
6	"	Sheep and goat penning	To improve soil fertility
7	Harvesting	Harvest pulse crop in the morning hours	To reduce shattering

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

- Identification of courses for farmers/farm women
  - Group discussion
- Rural Youth
  - Filling up research based questionnaires
  - Identification of leader (Sociometric method)
- Inservice personnel
  - Knowledge test (Interview schedule)

3.11 Field activities

i. Number of villages adopted : 24

Sr. No	Name of village	Sr. No.	Name of Village	Sr. No.	Name of Village
1.	Lakhtar	7.	Nathuvadala	14.	Udepur
2.	Ananda	8.	Soyal	15.	Kadbal
3.	Limbuda	9.	Vankiya	16.	Vasantpur
4.	Keshiya	10.	Manekpar	17.	Dhanuda
5.	Manpar	11.	Nana Garadiya	18.	Gorakhadi
6.	Hirapar	12.	Mavapar	19.	Manpar
		13.	Kalyanpur	20.	Bijalpar

ii. No. of farm families selected : 1025

iii. No. of survey/PRA conducted : 1

3.12. Activities of Soil and Water Testing Laboratory

1. Status of establishment of lab : Working

2. Year of establishment **:** 2005-06

3. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1	Spectrophotometer	1	89160
2	Flame photometer	1	
3	Physical balance	1	10640
4	Chemical balance	1	100000
5	Water distillation still	1	96118
6	Kieldahi digestion and distillation	1	49644
7	Shaker	1	80080
8	Grinder	1	16772
9	Refrigerator	1	
10	Oven	1	30550
11	Hot plate	1	
Total		11	472964

Details of samples analyzed during 2011-12

----Nil---

4. Impact study

----Nil----

5. Linkage

5.1 Functional linkage with different organizations

Sr.	Name of organization	Nature of linkage
A	**State corporation and state deptt.**	
1	District Agricultural Officer, Deptt. of Agriculture, District Panchayat, Jamnagar	➢ Joint diagnostic team visit at farmers field ➢ Organizing collaborative training to farmers ➢ For collaborative off campus training ➢ For collaborative training and demonstration Programme ➢ Collaborative on campus training programme ➢ For providing hostel facilities to participants and organizing collaborative Mahila Krishi Mela
2	District Rural Development Agency, Jamnagar	
3	Deputy Director of Veterinary, Department of veterinary & Animal Husbandry, Jamnagar	
4	Deputy Director of Horticulture, Jamnagar	
5	Deputy Director of Agriculture (Training), Farmer Training Centre, Jamnagar	
6	Deputy Director of Agriculture (Extension), Jamnagar	
7	Asstt. Director of Fisheries, Jamnagar	
8	Range Forest Officer, Jamnagar	
9	Asstt. Director of GLDC, Jamnagar	
10	Estate Engineer, Department of Irrigation, Jamnagar	
11	All Taluka Development Officers, and their team at Taluka level	
12	Rajkot-Jamnagar Gramin Bank, Jamnagar	
13	ATMA, Jamnagar	
B	**Private Corporation**	
1	Territory Manager, GSFC, Jamnagar	➢ Impart training on Agril. aspects ➢ Collaborative on/off campus training programme ➢ Sponsor training programme
2	Territory Manager, GNFC, Jamnagar	
3	Territory Manager, IFFCO, Jamnagar	
4	Reliance Industries, Dept. of Green Belt, Jamnagar	
C	**NGOs**	
1	Murlidhar Trust, Opp. Trajitpara Branch School, Bhanvad	➢ Impart training on Agril. aspects ➢ Collaborative on/off campus training programme
2	V.D.R.F. Trust, Momai Xerox, B.P. Road, Bhanvad	
3	Late J.V. Nariya Educational and Charitable Trust, 49, Modern Market, First Floor, Nr. Amber Cinema	
4	Jay Ashapura Charitable Society, Madhav Nivas, Karmachari Society, Trikonban, Dhrol (Dist.-Jamnagar)	
5	Shekhpat Jalstrav Vikas Mandal, At.-Shekhpat, Post-Aliyabada, Ta.&Dist.- Jamnagar	
6	Lakhtar Jalstrav Gram Vikas Trust, 55, Shiv Complex, At.- Bhadra (Patiya), Ta.-Jodia, Dist.- Jamnagar	

7	Umiya Mataji Mandir Trust, At.- Sidsar, Ta.- Jamjodhpur, Dist.-Jamnagar	
8	Shardapith Education Trust, 104-Shrusti complex, Nr. Gurudwara, Jamnagar	
9	Chachara Education & Charitable Trust, 104- Shrusti complex, Nr. Gurudwara, Jamnagar	
10	Tata Chemical Society for Rural Development Foundation, At. Mithapur, Ta.-Dwarka, Dist.-Jamnagar	

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Establishment of Agricultural Technology Information Centre (ATIC)	2005-06	State Government	287000/-
Establishment of Transfer of Technology (TOT)	2005-06	State Government	345000/-
Seed Village	2009-10	State Government	800000/-
Rastriya Krishi Vikas yojan-District Agril.Plan (RKVY-DAP Project)	2009-10	RKVY-DAP	1080890/-
Soil Health Card	2009-10	State Gov.	324379/-

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district (Yes/No) :- Yes

S. No.	Programme	Nature of linkage	Remarks
1	District Level Training	Impart Training on Agricultural Aspects	Celeberate Technology week
2.	Block level training	Lecture delivered	
3.	Village level training		

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
1	-	-	District is not inovolve in NHM

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
1.	-	-	-

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demonstra-tion Units	Year of Establi-shment	Area	Details of production			Amount (Rs.)		Remark
				Variety	produce	Quantity (Qtl)	Cost of inputs	Gross income	
1	Vermi compost Unit	2007-08	150 sq. m	*Icenea fatida*	Vermi culture	-	-	-	

					Vermi compost	-	-	-	
2	Horticulture Unit	2007-08	3.5 Ha	-	Fruit	250 kg	-	2500	

6.2 Performance of instructional farm (Crops) including seed production

Name Of the crop	Date of sowing	Area (ha)	Details of production			Amount (Rs.)		Remarks
			Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals (Wheat)	26/11	2.00	GW-496	Grain	1000			
Oilseeds (Til)	13/7	1.00	GT-2	Grain	140	-	-	-
Groundnut	12/7	3.30	GG-5	Grain	643	-	-	-
Groundnut	13/7	0.80	GAU-10	Grain	100	-	-	-

6.3 Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Major carp	Catla	fish	68 kg	-	1496	
2.	Gir Cow	Gir Cow	Milk	13551.9	-	232927	

6.3 Training programme conducted by using rain water harvesting Demo. units

Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/STParticipants		
				Male	Female	Total	Male	Female	Total

6.4 Utilization of hostel facilities: ----Complete----

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the Bank	Location	Account Number
With Host Institute	---	--	---
With KVK	State Bank of India	Super Market Jamnagar	10319002389

7.2 Utilization of funds under FLD on Oilseed (*Rs. In Lakhs*)

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2012
	Kharif 2011-12	Rabi 2011-12	Kharif 2011-12	Rabi 2011-12	
Inputs	-	-	-	-	-
Extension activities	-	-	-	-	-
TA/DA/POL etc.	-	-	-	-	-
TOTAL	-	-	-	-	-

7.3 Utilization of funds under FLD on Pulses *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2012
	Kharif 2011-12	Rabi 2011-12	Kharif 2011-12	Rabi 2011-12	
Inputs	-	-	-	-	-
Extension activities	-	-	-	-	-
TA/DA/POL etc.	-	-	-	-	-
TOTAL	-	-	-	-	-

7.4 Utilization of funds under FLD on Cotton *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2012
	Kharif 2011-12	Rabi 2011-12	Kharif 2011-12	Rabi 2011-12	
Inputs	-	-	-	-	-
Extension activities	-	-	-	-	-
TA/DA/POL etc.	-	-	-	-	-
TOTAL	-	-	-	-	-

7.5 Utilization of KVK funds during the year 2011-12

S. No.	Particulars	Sanctioned	Released	Expenditure
A.	**Recurring Contingencies**			
1	**Pay & Allowances**	**5000000**	**5000000**	**440039**
2	**Traveling allowances**	**150000**	**150000**	**28898**
3	**Contingencies**	**850000**	**850000**	**849854**
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	190000	190000	190011
B	POL, repair of vehicles, tractor and equipments	110000	110000	109673
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	90000	90000	90029
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	100000	100000	99955
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	210000	210000	210199
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	60000	60000	59949
G	Training of extension functionaries	50000	50000	50006
H	Maintenance of buildings	40000	40000	40032
I	Establishment of Soil, Plant & Water Testing Laboratory	-	-	0
J	Library	-	-	0
	TOTAL (A)	**6000000**	**6000000**	**5278791**
B.	**Non-Recurring Contingencies**			
1	**Equipment and Furniture**			
a)	Furnishing of office building and Farmers Hostel	500000	500000	499975
b)	EPBAX system with accessories	50000	50000	44000
c)	Plant Health Diagnostic facility	1000000	1000000	984163
2.	**Works**	-	-	-
a)	Compound wall cum fencing			
b)	Bore well	500000	500000	500000
c)	Implement shed	300000	300000	300000
d)	Demo Unit on integrated Farming System	-	-	-
3.	**Library (Purchase of assets like books & journals)**			
4.	**Vehicle**			

	TOTAL (B)	**2350000**	**2350000**	**2328138**
C.	**REVOLVING FUND**	-	-	
GRAND TOTAL (A+B+C)		**8350000**	**8350000**	**7606929**

7.6 Status of revolving fund (Rs. in lakhs) for the three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2011 to March 2012	2336324	522502	119538	2739288

8.0 PLEASE INCLUDE INFORMATION, WHICH HAS NOT BEEN REFLECTED ABOVE (WRITE IN DETAIL).

8.1 Constraints

(a) Administrative : Administrative post are vaccanrt

(b) Fianacial : Grant released on time (FLDs)

(c) Technical : SMS post are vacant i.e. Horticulture

8.2 KRISHI MAHOTSAV – 2011

Mass Extension programme i.e. "Krishi Mahotsav-2011" held during 6-5-2011 to 5-6-2011

Sr. No.	Name of Block	Date	Name of Scientist	No. of Village covered
1.	Kukavav	6-5-11 to 5-6-2011	Dr. K.P. Baraiya Sh. S.R. Jadeja	23
2.	Jamnagar	6-5-11 to 5-6-2011	Dr. H.R. Khafi Sh.H.T. Chauhan	48
3	Bhanvad	6-5-11 to 5-6-2011	Dr. N.B. Jadav Sh. P.S. Gorfad	25
4	Dhrol	6-5-11 to 5-6-2011	Dr. G.M. Parmar Sh.P.P. Patel	26

8.3 Celebration of Technology week

Technology week was celebrated at Krishi Vigyan Kendra, JAU, Jamnagar during 3rd to 8th October, 2011. In which following different 618 farmers from different block were participated.

Date	Taluka	Numbers fo participants								
		General			SC/ST			Total		
		M	F	Total	M	F	Total	M	F	Total
3.10.11	Jamjodhpur Jamkhambhadia	115	12	127	08	0	08	123	12	135
4.10.11	Bhanvad Kalyanpur	86	13	99	14	07	21	100	20	120
5.10.11	Kalaynpur Lalpur	63	17	80	12	08	20	75	25	100
7.10.11	Jodia Dhrol	67	20	87	15	08	23	82	28	110
8.10.11	Jamnagar Dwarka	94	29	123	17	13	30	111	42	153
Total		**425**	**91**	**516**	**66**	**36**	**102**	**491**	**127**	**618**

Dr. K.P. Baraiya programme Coordinator, KVK,JAU, Jamnagar welcomed all the participants, officers and dignitaries of the technology week- 2011 and highlighted the achievements of the centre in brief.

Agricultural Technology Week was celebrated by KVK, JAU, Jamnagar during 3rd October to 8th October, 2011. The programme was chaired by Mr. Ajay Kumar, DDO, Jamnagar and inaugurated function by lighting the lamp. In his presidential speech he told that Krishi Vigyan Kendra is work as an agricultural information hub for the district. He also said that training is the important for farmers to update their knowledge of new research and technology in agriculture. He advised farmers to participate more and more to refine their agricultural knowledge.

In this programme, Dr. K. L. Raghvani, Research Scientist (Millet), Millet research Station, JAU, Jamnagar, Shri P. B. Khistariya, DAO, Jamnagar, Shri R. H. Ladani, Dy. Director (Hort.), B. J. Patel, Project Director, ATMA and Dy. Director of Agri. (Ext.), and Shri C.H. Gurjar, Manager, Watershed Project, Jamnagar were also remained present and delivered introductory address with the details of schemes of their departments.

After inaugural function, different scientists of KVK have given talk on different subjects and information from the Krishi Vigyan Kendra. The day to day activities are as under.

Themes of the Technology Week:

1. **1st day:** Organic Farming and minimize cost of cultivation, integrated IPM, IDM in field crops.
2. **2nd day:** Organic manures production, reutilization of farm waste material (cotton stalks)
3. **3rd day:** integrated disease management and mechanization of farm and newer farm implements
4. **4th day:** value addition of farm products and water use efficiency through use of micro irrigation systems
5. **5th day:** integrated farming (farming, animal husbundry, fisheries, vermi compost etc.)

Following are the topics delivered by scientist

- Integrated Pest and disease of major crops
- Importance of micronutrients and fertilizers in agriculture
- Importance of micro irrigation system
- Animal care and maintenance with agriculture
- Value addition in farm products
- Farm women empowerment
- Scope of horticultural crops in modern agriculture
- Recycling for farm waste material and composting
- Vermin compost and organic farming
- Emphasizes on adverse effect of climate changein agriculture

Attraction of the technology week

- Animal (Gir cow)unit
- Net House/Poly house
- Vermi compost unit
- Azola rearing unit
- Fisheries unit
- Agro forestry unit
- Vegetable unit
- Orchard of chiku, custard apple, guava, pomegranate and aonla
- Drip and sprinkler system in farm

- Crop cafeteria of major crop of the district
- Seed production unit (groundnut: GG-5, TPG-41, TG-37A, GG-6)
- Seed production units for hybrid castor GCH-7 production etc.
- Improved Implements viz.

8.4 OTHER SCHEME : ESTABLISHMENT OF TRANSFER OF TECHNOLOGY (TOT) YEAR 2011-12

1. Name of the Scheme : Establishment of Transfer of Technology (TOT) B.H. 10571-03
2. Location of the scheme : Krishi Vigyan Kendra, JAU, Jamnagar
3. Officer-incharge of the scheme : Programme Coordinator, KVK, JAU, Jamnagar
4. Objectives :
   - Assessment and refinement of technology
   - Demonstration and training to FIGs, SHGs, FOs etc.
   - Single window system for technology dissemination.
   - Formulation of FIGs as a process of innovativeness in technology dissemination.
   - Feedback from users to the research centre
5. Justification of the scheme :
   - The JAU has generated a large number of technologies in different disciplines of agriculture and all allied subjects.
   - Location specific technology and assessment technologies and demonstration of the technological models is planned.

PROGRESS OF THE SCHEME

A. FLD conducted

Sr. No.	Name of FLD	No. of beneficiaries		
		Other	SC/ST	Total
1.	Vermin compost	-	-	-
2.	Composting	-	-	-
3.	Crop/input :- Chick Pea	4	1	5

B. Short term training courses on production technologies

Sr. No.	Title of Training	No.of Beneficiaries			No.of Beneficiaries (SC/ST)		
		Male	Female	Total	Male	Female	Total
1.	FYM Composting, recycling of organic matter,	48	14	62	12	7	19
2.	Integrated Nutrient management in cotton crop	20	6	26	6	2	8
3.	Vermi-compost	42	14	56	14	3	17
4.	Seed production of wheat	28	8	36	8	4	12
5.	Seed production of cumin	26	9	35	6	5	11
6.	Seed production of groundnut	46	7	53	9	2	11

C. Organize specialized seminar-cum-workshop

- Special seminar organized on utilization of organic matter for soil enrichment
- Seminar on Recycling of farm waste (Cotton Stacks)
- Judicious use of pesticides and fgertilizer
- Improve practices of chick pea variety GG-3
- Importance of micro irrigation system for modern agriculture

D. Organize farmer's day, field day and group discussion with farmers and scientist

Sr. No.	Title of Training	No.of Beneficiaries			No.of Beneficiaries (SC/ST)		
		Male	Female	Total	Male	Female	Total
1.	Field day	18	12	30	8	2	10
2.	Group discussion (Night meeting)	46	0	46	17	0	17
3.	Khedut shibir	41	7	48	9	2	11

E. Production of useful farm literature for farmers and visitors

1. Recycling of farm waste
2. Organic farming
3. Scientific farming of cotton
4. Integrated pest-diseases management in groundnut
5.

ESTABLISHMENT OF AGRICULTURAL TECHNOLOGY INFORMATION CENTRE (ATIC) (YEAR-2011-12)

A. Details of farmers visit

S. No.	Name of ATIC	Purpose of visit	No. of farmers visited
1.	KVK, Jamnagar	For Agricultural information	128

B. Facilities in ATIC (Operational)

S. No.	Particulars	No. of ATIC
1.	Reception Counter	No
2.	Exhibition/technology measures	Nil
3.	Touch screen kiosk	Nil
4.	Cafeteria	Yes
5.	Sales Counter	No
6.	Farmers feed back register	Yes

C. 1.Details technology information, category of information

Name of ATIC	Information Category	No. of farmers benefitted	Variety	Pest Management	Disease management	Agro tech.	SWT	PHT	AH
KVK, Jamnagar	Kisan call Centre phone	1814	208	732	441	143	206	32	52
	Letters Received	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Letter replied	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Training	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

D. 2. Publication (Print & Electronic media)

S.No.	Name of ATIC	Particular	No. sold/distributed	Revenue generate	No. of farmers benefitted
1.	KVK, Jamnagar	Tech. bulletin	Nil	Nil	Nil
2.		Leaflet	Nil	Nil	Nil
3.		Books	Nil	Nil	Nil
4.		Folders	8	--	4000
5.		CDs	Nil	Nil	Nil
6.		DVDs	Nil	Nil	Nil
7.		Others	Nil	Nil	Nil

E. Technology products provided.

S.No.	Particular	Quantity	Unit of quantity	Value in Rs.	No. of farmers benefitted
1.	Seeds				
	Wheat GW-366	4504	Kg.	76568	122
	Groundnut GG-5	640	Kg.	32000	35
	Groundnut GAUG-10	100	Kg.	5000	13
	Sesamum GT-3	18	Kg.	2160	5
	Sesamum GT-2	120	Kg.	14400	18
2.	Plants	Nil	Nil	Nil	Nil
3.	Vermi Culture	Nil	Nil	Nil	Nil
4.	Fruits	250	Kg.	2500	24
5.	Vegetable	Nil	Nil	Nil	Nil
6.	Milk	13551.9	Lit.	232927	31
7.	Fish	68	Kg.	1496	17

F. Technology services provided

Name of ATIC	Particulars	No. of farmers benefitted
	SW testing	Nil
	Plant diagnosis	17
	Services to line department	Nil
	Others (if any)	NIl

ACTIVITIES OF SOIL AND WATER TESTING LABORATORY (SOIL HEALTH CARD)

Details of samples analyzed during 2010-11 & 12

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples	5342	5342	97	
Water Samples	20	20	16	
Total	5362	5362	105	

- ANNEXURE – I

PROCEEDING OF THE 7th SCIENTIFIC ADVISORY COMMITTEE MEETING OF KRISHI VIGYAN KENDRA, JUNAGADH AGRICULTURAL UNIVERSITY, JAMNAGAR HELD ON 7th March, 2011

Seventh Scientific Advisory Committee meeting of Krishi Vigyan Kendra Junagadh Agricultural University, Jamnagar was held at Training Hall, Krishi Vigyan Kendra, JAU, Jamnagar on 7th March, 2011. The following members were present in the meeting.

Sr. No.	Name & Designation	Position
1	Dr. N. C. Patel Hon. Vice Chancellor Junagadh Agricultural University, Junagadh	Chairman
2	Dr. A. M. Parakhia Director of Extension Education, Junagadh Agricultural University, Junagadh -362001.	Member
3	Dr. K. N. Akbari Associate Director of research, Main Dry Farming Research Station, JAU, Targhadia	Member
4	Dr. K. L Raghvani Research Scientist (Millet), Main Millet Research Station, Junagadh Agricultural University, Jamnagar- 361 006.	Member
5	Mr. Prakesh Patel (Representative) Research Officer Fisheries Research Centre, Junagadh Agricultural University, Okha, Dist: Jamnagar.	Member
6	Shri. B. J. Patel Dy. Director of Agriculture (Extension), Lalbunglow, Nr. Trazery Office, Jamnagar	Member
7	Shri P. B. Khistaria District Agriculture Officer District Panchayat ,Jamnagar	Member
8	Shri.R.H. Ladani Dy. Director of Horticulture, 30, Digvijay Plot, Jodiyawala Building, Jamnagar	Member
9	Dr. H. R. Jadav Dy. Director of Agriculture, Farmers Training Centre, Air Force Road, Opp. Digjam Mill, Jamnagar.	Member
10	Mr. S.A. Sinojia (Representative) ADA (Q.C.) GLDC Ltd., Near: Shubhash Market, Jamnagar.	Member
11	Shri. Kantilal Bhagwanjibhai Ajudia At. Makwana, Ta. & Dist.- Jamnagar.	Member
12	Jumabhai Sulemanbhai Shekh, At. Jamnagar Dist: Jamnagar	Member
13	Ramjibhai Makwana Tapubhai Makwana, At & Po. Dhandha, tal. & Dist. Jamnagar	Member
14	Smt. Jiviben Ramjibhai Makwana At & Po. Dhandha, tal. & Dist. Jamnagar	Member

15	Dr. H. R. Khafi Programme Coordinator, Krishi Vigyan Kendra, JAU, Jamnagar	Member Secretary
16	Dr. G. M. Parmar, SMS, KVK, J.A.U, Jamnagar- 361 006.	Member
17	Smt. Anjanben K. Baraiya SMS, KVK, J.A.U, Jamnagar- 361 006.	Member
18	Dr. J. N. Thaker SMS, KVK, J.A.U, Jamnagar- 361 006.	Member
19	Dr. V. K. Chandegara SMS, KVK, J.A.U, Jamnagar- 361 006.	Member
20	Govindbhai Sundarji Dantani At Kalyanpur Ta- Kalyanpur Dist Jamnagar	Invitee
21	Mahendra R. Vachhani At - Lalpur Ta- Lalpur Dist Jamnagar	Invitee
22	Sheetal ben mahandra bhai Vachhani At - Lalpur Ta- Lalpur Dist Jamnagar	Invitee
23	Saiyad Asaraf habibminya At - Lalpur Ta- Lalpur Dist Jamnagar	Invitee
24	Girach mohmad Faiyaz At - Lalpur Ta- Lalpur Dist Jamnagar	Invitee
25	AmarshiBhai Dhanjibhai Dalsania At- Lakhtar Ta- Jodiya Dist Jamnagar	Invitee
26	Chandrikaben AmarshiBhai Dalsania At- Lakhtar Ta- Jodiya Dist Jamnagar	Invitee
27	Tarashibhai Dharshibhai Dalsania At- Lakhtar Ta- Jodiya Dist Jamnagar	Invitee
28	Narmadaben Tarashibhai Dalsania At- Lakhtar Ta- Jodiya Dist Jamnagar	Invitee
29	Valjibhai Govindbhai Parmar At - Jivapar Ta & Dist Jamnagar	Invitee
30	Deval Ala Ambaliya At- Viramdal Ta- Khambhaliya Dist. Jamnagar	Invitee
31	Shri P. D. Jadeja At- Jaga Ta & Dist Jamnagar	Invitee
31	Harvijaysinh N Jadeja At- Bhangor Ta- Bhanvad Dist. Jamnagar	Invitee
32	Narn Ranmal Gojiya At - Premsar Ta- kalyanpur, Dist - Jamnagar	Invitee
33	Haji Oshman At- Jamnagar Ta & dist. Jamnagar	Invitee

After garlanding the guests and dignitaries on the Dias, meeting was inaugurated by lightening the lamp by Hon'ble Vice Chancellor. Dr. K. L. Raghvani, Research Scientist, Millet Research Station, J.A.U., Jamnagar welcomed all the members of the Scientific Advisory Committee and highlighted the achievements of the centre in brief.

Dr. A.M. Parakhia, Directorate of Extension Education J.A.U. Junagadh delivered introductory speech. He told about the activities, mandates of KVK, and highlights the achievements.

Dr. H. R. Khafi, Programme Coordinator, Krishi Vigyan Kendra, J.A.U., Jamnagar presented action taken report of the minutes of 6th SAC meeting, progress report (April- 2010 to February-2011) and Action Plan (April 11 to March- 2012).

Suggestions made by committee members during presentation:

1.	Hon'ble vice Chancellor, JAU, Junagadh Dr. N. C. Patel suggested to increase number of off campus training (i.e. 42 to 60). He suggested to make presentation perfect and to maintain uniformity in data. He stated to take permission from DEE for remaining absence in SAC meeting in case of KVK staff. He also suggested to impart training on mango pickles for women and value addition in cumin. He advised to make Gujarati presentation for farmers and give literature to farmers during training. FLD of KVK should not be mixed with the FLD of Millet Research Station.
2.	Dr. A.M. Parakhia, Directors of Extension Education, JAU, Junagadh suggested that to impart on campus training in seed production village and give photographs with title and date as self explaining. He advised to make details for ON campus training and OFT programme. In addition to this he suggested to invite expert during ON Campus training programme. He stated that the selection of farmers for FLDs should be from the selected villages of KVK and give press note on FLDs under extension programme. He told for making details of ATIC/ TOT activities in villages and preparing success story of farmers.
3.	Dr. K. L. Raghvani Research Scientist, Millet Research Station, JAU, Jamnagar suggested to take photographs of improved practices with farmers practices.
4.	Shri P B. Khistaria, District Agricultural Officer suggested to impart training on intercropping system in kharif season.
5.	Shri.R.H. Ladani ,Dy. Director of Horticulture, made suggestion to give training on protected cultivation and drip in horticultural crops. In addition to give training on composting
	Progressive farmer Amarshibhai Dhanjibhai Dalsania suggested to produce from Seed Village Programme should be collected by university.

After above suggestions from the house, Hon'ble Vice Chancellor, Dr. N. C. Patel Junagadh Agricultural University, Junagadh, delivered the keynote address to the house. He emphasized on increase of agricultural production with quality.

It is concluded that number of off campus training with detailed programme should be increased and include training area in the field of seed storage, seed production, protected cultivation and value addition with more participation of farmers.

Director of Extension Education
Junagadh Agricultural University
Junagadh

Note: Proceeding for approval of Hon'ble Vice Chancellor, JAU, Junagadh

Vice Chancellor
Junagadh Agricultural University
Junagadh

ANNEXURE – II

FRONT LINE DEMONSTRATION:

Details of each technology demonstrated through Front Line Demonstration to be furnished in the following format separately along with raw data

To be furnished for every technology separately for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton, commercial crops, farm implements, livestock and fishery enterprises, home science technologies, other enterprise.

1. Groundnut (Trichoderma)

1) Production system :- Rainfed
2) Problem Definition :- Management of stem rot
3) Title of the technology demonstrated :- Integrated Pest Management
4) Thematic area :- Integrated Disease Management
5) Year of release of the technology or Year of assessment :- Year - 1999
6) Source of technology :- Oil seed research station, JAU, Jamnagar
7) Raw data about the performance of the demonstrated technology

No.	Name of the farmers	Name of village	Data on the performance indicators of the technology demonstrated
			Yield
1	Dilipbhai Ranchodbhai	Nathuvadala	18.50
2	Hasmukhbhai Viramgama	ananda	19.37
3	Dineshbhai Avcharbhai	Ananda	15.00
4	Hemraj Savjibhai	Lakhtar	17.25
5	Lakhamanbhai Nagdanbhai	Nanagradiya	16.00

Please specify the indicators 1,2,3 and 4 in addition to yield other parameters should be indicated

In case of more indicators please prioritize and analyze only three important common indicators collected from all the farmers implementing this demonstration

8) Final recommendation for micro level situation
9) Constraints identified and feedback for research
10) Process of farmers participation and their reaction

2. Groundnut (NPV)

1) Production system :- Rainfed
2) Problem Definition :- Management of Sucking pest
3) Title of the technology demonstrated :- Integrated Pest Management
4) Thematic area :- Integrated Pest Management
5) Year of release of the technology or Year of assessment :- Year - 1999
6) Source of technology :- Oil seed research station, JAU, Jamnagar
7) Raw data about the performance of the demonstrated technology

No.	Name of the farmers	Name of village	Data on the performance indicators of the technology demonstrated
			Yield
1	Dilipbhai Makanjibhai	Ananda	18.75
2	Girdharbhai ladhabhai	Dudhai	15.35
3	Dineshbhai Ajrambhai	Lakhtar	16.50
4	Sanjaybhai Limbasiya	Mota Garadiya	14.37
5	Nagjibhai Jadavjibhai	Vankiya	17.25

Please specify the indicators 1,2,3 and 4 in addition to yield other parameters should be indicated

In case of more indicators please prioritize and analyze only three important common indicators collected from all the farmers implementing this demonstration

8) Final recommendation for micro level situation
9) Constraints identified and feedback for research
10) Process of farmers participation and their reaction

3.Pearl millet

1) Production system :-Rainfed
2) Problem Definition :- Low yield of pearlmillet
3) Title of the technology demonstrated :-varietal difference
4) Thematic area :-Variety assessment
5) Year of release of the technology or Year of assessment :-Year - 2007
6) Source of technology :- millet Research Station, JAU, Junagadh
7) Raw data about the performance of the demonstrated technology

No.	Name of the farmers	Name of village	Data on the performance indicators of the technology demonstrated
			Yield
1	Bhimjibhai Vajsibhai Solanki	Dhichada	32.8
2	Lavjibhai Ambabhai	Dhuvav	33.00
3	Devsibhai Thakersibhai	Dhuvav	35.5
4	Dayaljibhai Govindbhai	Dhuvav	34.00
5	Premjibahi Odhavjibhai	Dhuvav	30.5
6	Khodabahi Bhanabahi katesiya	Dhuvav	37.5
7	Kanjibhai Odhavjibhai	Dhuvav	36.00
8	Chavada Thakersibhai Bhimjibhai	Dhuvav	35.9
9	Ghadhavi Apayabhai Ambabhai	Dichada	34.00
10	Kanabhai Vejabhai	Kharaberaja	33.5
11	Gadhavi Parbatbahi	Dhichada	30.5
12	Amarsibhai Dhanjibhai	Mota Itala	30.00
13	Prafulbhai Dharmsibhai Godhani	Keshiya	35.7
14	Kurjibhai Savjibhai Parmar	Dhuvav	30.00
15	Savjibhai Kacharabhai	Dhuvav	37.00
16	Hiteshbhai Kanjibhai	Lakhtar	36.8
17	Chandrikaben Amrsibhai	Mavapar	35.5
18	Govindbhai Pitamberbhai	Dhuvav	34.00
19	Bhanubhai Rupabhai Sonagara	Dhuvav	35.00
20	Laljibhai Raghubhai	Nagana	37.00

Please specify the indicators 1,2,3 and 4 in addition to yield other parameters should be indicated

In case of more indicators, please prioritize and analyze only three important common indicators collected from all the farmers implementing this demonstration

8) Final recommendation for micro level situation
9) Constraints identified and feedback for research
10) Process of farmers participation and their reaction

4.Cotton

1) Production system :-Rainfed
2) Problem Definition :-INM & IPM
3) Title of the technology demonstrated :-Integrated Crop Management
4) Thematic area :-Pest and Disease infestation
5) Year of release of the technology or Year of assessment :-Year - 2006
6) Source of technology :- Cotton Research Station, JAU, Junagadh
7) Raw data about the performance of the demonstrated technology

No.	Name of the farmers	Name of village	Data on the performance indicators of the technology demonstrated
			Yield
1	Sureshbhai Ganeshbhai	Nathu Vadala	37.00
2	Ranchodbhai Mohanji	Nathu Vadala	35.8
3	Avacherbhai Odhavjibhai	Ananda	38.75
4	Raimalbhai Pithabhai	Nana garadiya	35.00
5	Hirabhai Narsangbhai	Nana garadiya	36.50
6	Karsanbhai Govindbhai Limbasiya	Mota garadiya	37.00
7	Pravinbhai Parsotambhai	Mota garadiya	37.50
8	Dayaljibhai Valjibhai	Manekpar	35.2
9	Gandubhai V Gathiya	Manekpar	35.5
10	Lavjibhai Jivrajbhai	Dhrol	35.00
11	Natvarbhai Nagjibhai	Lakhtar	36.00
12	Anilbhai Parsotambhai	Lakhtar	36.3
13	Manharbhai Savjibhai	Lakhtar	35.2
14	Mukeshbhai Ladhabhai	Dudhai	38.5
15	Rameshbhai Jakasaniya	Amaran	38.00
16	Tarsibhai Dalsaniya	Lakhtar	35.7
17	Rameshbhai ajrambhai Dalsaniya	Lakhtar	36.4
18	Chaganbhai Bhanderi	Bhadra	37.00
19	Bipinbhai Gopalbhai Baraiya	Hajamchora	36.2
20	Bharatbhai Arsibhai boda	Lakhtar	38.00
21	Bhikhabhai Valjibhai Panara	Jasapar	38.3
22	Naranbhai Pitamberbhai kanani	Jodiya	35.00
23	Mansukbhai Kanzariya	Vankiya	35.7
24	Mohanbhai Ravjibhai	Vankiya	35.2
25	Kantibhai Lakhamanbhai	Vankiya	38.2

Please specify the indicators 1,2,3 and 4 in addition to yield other parameters should be indicated

In case of more indicators, please prioritize and analyze only three important common indicators collected from all the farmers implementing this demonstration

8) Final recommendation for micro level situation
9) Constraints identified and feedback for research
10) Process of farmers participation and their reaction

5. Wheat

1) Production system :-Irrigated
2) Problem Definition :- Low yield of wheat
3) Title of the technology demonstrated :-varietal difference
4) Thematic area :-Variety assessment
5) Year of release of the technology or Year of assessment :-Year - 2007
6) Source of technology :- Wheat Research Station, JAU, Junagadh
7) Raw data about the performance of the demonstrated technology

No.	Name of the farmers	Name of village	Data on the performance indicators of the technology demonstrated
			Yield
1	Bhagwanjibhai Mohanbhai	Vankiya	55.62
2	Kuvarjibhai Dayabhai Parmar	Jasapar	65.00
3	Harilal Parmar	Jasapar	58.50
4	Aswin Bhagwanjibhai Bhimani	Vankiya	48.75
5	Bhaveshbhai Bhimani	Vankiya	58.75
6	Bhimabhai Parsotambhai	Hamapar	61.25
7	Kantilal Othevajilal	Phala	67.50
8	Keshvajibhai Dhanjibhai	Jasapar	65.00
9	Rameshbhai Samjibhai	Nathu Vadala	62.50
10	Savjibhai Samjibhai	Nathu Vadala	48.75
11	Dharmsibhai Harjibhai Rajgor	Keshiya	56.25
12	Harsukhbhai Lavjibhai	Phala	58.75
13	Amrutlal Odhavjibhai	Phala	63.12
14	Maheshbhai Adroja	Phala	53.75
15	Bhiniben Bhikhabhai Kambaria	Kadbal	56.25
16	Jadeja Harshdepsingh Kishorsingh	Gorakhadi	53.12
17	Vanavaben Rasikbhai Chavada	Gorakhadi	54.37
18	Bhikhabhai Nathabhai Kambariay	Kadbal	57.50
19	Narsibhai Nathabhai Sabhaya	Gorakhadi	56.25
20	Mahendrasingh Balvantsingh Jadeja	Gorakhadi	50.00

Please specify the indicators 1,2,3 and 4 in addition to yield other parameters should be indicated

In case of more indicators, please prioritize and analyze only three important common indicators collected from all the farmers implementing this demonstration

8) Final recommendation for micro level situation
9) Constraints identified and feedback for research
10) Process of farmers participation and their reaction

6. Green gram

1) Production system :-Irrigated
2) Problem Definition :-Low yield of green gram
3) Title of the technology demonstrated :-Variety and integrated crop management
4) Thematic area :-Integrated Crop Management
5) Year of release of the technology or Year of assessment :-Year - 2006
6) Source of technology :- Pulse Research Station, JAU, Junagadh
7) Raw data about the performance of the demonstrated technology

No.	Name of the farmers	Name of village	Data on the performance indicators of the technology demonstrated
			Yield
1	Jentibhai Odhabhai Nagpara	Limbuda	-
2	Nathabhai Kurjibhai Nagpara	Limbuda	-
3	Dhirajbhai Parsotambhai sorathiya	Limbuda	-
4	Dhanjibhai Nathubhai Marvaniya	Limbuda	-
5	Rameshbhai Chanabhai Sanghani	Khankotada	-
6	Dhanjibhai Bhurabhai	Khankotada	-

7	Nanjibhai Kanjibhai	Khankotada	-
8	Arjanbhai Khetabhai	Dadiya	-
9	Lakhamanbhai Kanabhai	Khimalia	-
10	Rameshbhai Narsibhai	Khimalia	-

Please specify the indicators 1,2,3 and 4 in addition to yield other parameters should be indicated

In case of more indicators please prioritize and analyze only three important common indicators collected from all the farmers implementing this demonstration

8) Final recommendation for micro level situation

9) Constraints identified and feedback for research

10) Process of farmers participation and their reaction

7. Chick pea

1) Production system :-Irrigated
2) Problem Definition :-Low yield of chickpea
3) Title of the technology demonstrated :-Varietal difference
4) Thematic area :-Variety
5) Year of release of the technology or Year of assessment :-Year - 2008
6) Source of technology :- Pulse research Station, JAU, Junagadh
7) Raw data about the performance of the demonstrated technology

No.	Name of the farmers	Name of village	Data on the performance indicators of the technology demonstrated
			Yield
1	Dilipbhai Khimjibhai Lunagaria	P.pipaliya	31.25
2	Narendrabhai Lunagaria	P.pipaliya	28.75
3	Batukbhai Gobarbhai Zapada	Kalavad	27.5
4	Devsibhai Dosabhai Parmar	Shidpur	32.5
5	Bhikabhai Hirabhai	Shidpur	31.25
6	Gordhanbhai Hirabhai Nakum	Shidpur	28.12
7	Ranmalbhai Nakum	Shidpur	28.75
8	Laljibhai Mavjibhai Parmar	Shidpur	30.00
9	Odhavjibhai Premjibhai	Makvana	33.75
10	Davad Rameshbia	Makvana	33.12
11	Lalubhai Mansanbhai Jadeja	Khijdal	28.75
12	Bakula Dansangjibhai Jadeja	Khijdal	31.25
13	Danubha Gumansang	Khijdal	34.37
14	Chandraba Lalubha	Khijdal	35.00
15	Jasubha Jadeja	Khijdal	33.12

Please specify the indicators 1,2,3 and 4 in addition to yield other parameters should be indicated

In case of more indicators please prioritize and analyze only three important common indicators collected from all the farmers implementing this demonstration

8) Final recommendation for micro level situation

9) Constraints identified and feedback for research

10) Process of farmers participation and their reaction

8. Cumin

1) Production system :-Irrigated
2) Problem Definition :- Low yield ofcumin
3) Title of the technology demonstrated :-varietal difference
4) Thematic area :-Variety assessment
5) Year of release of the technology or Year of assessment :-Year - 2007

6) Source of technology :- Spices research station, Jagudan

7) Raw data about the performance of the demonstrated technology

No.	Name of the farmers	Name of village	Data on the performance indicators of the technology demonstrated
			Yield
1	Dineshbhai Parsotambhai	Jasapar	8.75
2	Piyushbhai Mansukbhai	Vankiya	6.25
3	Mansukbhai Mohanlal Bhimani	Vankiya	8.00
4	Kanjibhai bhimani	Vankiya	6.87
5	Kagathara Hasraj Pababhai	Nathu Vadala	7.5
6	Parsotambhai Bhimani	Vankiya	8
7	Sagar Karabhai Hamirbhai	Gorkhadi	7.87
8	Naranbhai Meramanbhai	Kadbal	9.37
9	Bhura Gordhan Bhanderi	Gorkhadi	8.75
10	Pintubhai Bhimani	Vankiya	8.12

Please specify the indicators 1,2,3 and 4 in addition to yield other parameters should be indicated

In case of more indicators, please prioritize and analyze only three important common indicators collected from all the farmers implementing this demonstration

8) Final recommendation for micro level situation

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ANNEXURE – III

TRAINING CUM WORKSHOP ATTENDED BY KVK STAFF

Sr. No.	Period	Name of Officer	Place	Subject
1	15-9-2011 to 5-10-2011	Dr.J.N.Thaker	CIBA Chennai	Advances in aquaculture nutrietion and feed processing technology
2	3-12-2011 to 5-12-2011	Dr.K.P.Baraiya	JNKVV, Jabalpur	National conference of KVK
3	18-10-2011	Dr.K.P.Baraiya	DFRS, Thargahdia	ZREAC meeting
4	23-1-2012 to 25-1-2012	Dr.N.B. Jadav	DEE, Junagadh	Annunal zonal workshop of KVK
5	23-1-2012 to 25-1-2012	Dr.K.P.Baraiya	DEE, Junagadh	Training on “Farmers oriented recommended agricultural technology”
6	23-1-2012 to 25-1-2012	Dr.G.M. Parmar	DEE, Junagadh	Training on “Farmers oriented recommended agricultural technology”
7	23-1-2012 to 25-1-2012	Dr. J.N.Thaker	DEE, Junagadh	Training on “Farmers oriented recommended agricultural technology”
8	23-1-2012 to 25-1-2012	Dr.N. B. Jadav	DEE, Junagadh	Training on “Farmers oriented recommended agricultural technology
9	27-2-2012 to 29-2-2012	Dr.N. B. Jadav	DEE, Junagadh	Training on "Writing for print media"
10	22-11-11 to 23-11-11	Dr.K.P.Baraiya	DEE, Junagadh	Bimonthly workshop
11	8-2-12	Dr.K.P.Baraiya	DFRS, Thargahdia	16th ZREAC meeting
12	15 to 16 -2-2012	Dr.K.P.Baraiya	JAU, Junagadh	AGRESCO meeting
13.	22-3-2012	Dr.K.P.Baraiya	JAU, Junagadh	Joint AGRESCO meeting