ANNUAL REPORT (2011-12) (01.04.2011 TO 31.03.2012)

1. GENERAL INFORMATION ABOUT THE KVK

1.1 Name and address of KVK with Phone, Fax and E-mail

The Hamb and address of tivit with Thoms, tax and E man							
Address	Telephone		E mail	Web Address			
Krishi Vigyan Kendra, Junagadh Agricultural University, Targhadia, (Dist.: Rajkot) (Gujarat) - 360 003	Office (0281) 2784170	FAX (0281) 2784170	kvkrajkot@gmail.com	www.jau.in			

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

Address	Tele	E mail	
Address	Office	FAX	□ IIIaII
Junagadh Agricultural University,	0285-	0285-2672653	dee@jau.in
Junagadh (Gujarat)	2672080	0205-2072055	uee@jau.iii

1.3 Name of the Programme Coordinator with Phone & Mobile No.

Name	Telephone / Contact				
Name	Residence	Mobile	Email		
Dr. B. B. Kabaria	"Ramdoot" B-17, Aalap Century, Kalawad road, Rajkot – 360 005	09374202518	drkabaria@gmail.com		

1.4 Year of Sanction: September – 2004

1.5 Staff Position (as on 31st March. 2011)

Sr. No.	Sanctioned post	Name of the incumbent	Designation	Disci- pline	Pay Scale (Rs.)	Present basic+ G.P. (Rs.)		Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	2	3	4	5	6	7	8	9	10
1	Programme	Dr. B. B.	Programme	Agril.	37400-	60450/-	15-9-06	Permanent	General
	Coordinator	Kabaria	Coordinator	Ento.	67000				
2	SMS	Dr. J. B.	SMS	Ani	8000-	8000/-	19-8-06	Permanent	General
		Kathiriya	(Animal. Sci)	Sci.	13500				
3	SMS	Shri. D. N.	SMS	Agron	15600-	35660/-	1-10-11	Permanent	General
		Rathod	(Agron.)		39100				
4	SMS	Shri D. A.	SMS	Agril.	15600-	30850/-	27-5-09	Permanent	General
		Saradava	(Pl.Protection)	Ento.	39100				
5	SMS	Vacant	SMS (Horti.)						
6	SMS	Shri. D. P.	SMS	Agri.	15600-	28220/-	1-6-09	Permanent	General
		Sanepara		Eng.	39100				
7	SMS	Mrs. H. H.	SMS	Home	8000-	8000/-	17-8-06	Permanent	General
		Padsumbiya	(Home Sci.)	Sci.	13500				
8	Programme		Programme	-	8000-	-	-	-	-
	Assistant	Vacant	Assistant		13500				
	(Training)		(Training)						
9	Computer	Miss. R. T.	Computer	-	9300-	10000/-	3-1-09	Permanent	General
	Programmer Programmer	Padaliya	Programmer .		34800	Fix			

10	Farm	Shri.D.M.	Programme	Agril.	9300-	10000/-	21-1-12	Permanent	General
	Manager	Damasia	Assistant /	Ento.	34800	Fix			
			Farm						
			manager						
11	Acc. /	Shri.B. H.	Offi. Sup.	-	9300-	10000/-	1-02-11	Permanent	General
	Sup.	Joshi	Cum A/c.		34800	Fix			
			Officer						
12	Steno-	Shri B. J.	Junior Steno	-	9300-	16680/-	01-5-07	Permanent	General
	grapher	Lalkiya			34800				
13	Driver	Shri. B. K.	Jeep Driver-	-	5200-	15100/-	11-9-08	Permanent	OBC
		Gondaliya	Cum		20200				
		-	Mechanic						
14	Driver	Shri.D. K.	Jeep Driver-	-	5200-	11180/-	01-7-06	Permanent	OBC
		Makwana	Cum		20200				
			Mechanic						
15	Supporting	Smt.U.G	Supporting	-	4440-	8040/-	16-9-04	Permanent	General
	staff	Zala	Staff		7440				
16	Supporting	Shri Y. B.	Supporting	-	4440-	9140/-	2-6-09	Permanent	General
	staff	Joshi	Staff		7440				

1.6 Total land with KVK (in ha)

Sr. No.	Item	Area (ha)
1	Under Buildings	1.00
2.	Under Demonstration Units	3.50
3.	Under Crops	14.00
4.	Orchard/Agro-forestry	1.00
5.	Others	0.50
	Total	20.00

Infrastructural Development: Buildings 1.7

A)

	Dullulings								
		Source			Sta	age			
Sr.	Name of	of	Complete			Incomplete			
No	building	funding	Completion Date	Plinth area (Sq.m)	Expe- nditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction	
1.	Administrative Building	KVK				March-10	550	Construction work is under	
2.	Farmers Hostel	KVK				March-10	305	progress	
3.	Staff Quarters (6)	KVK				March-10	400		
4.	Poly House	RKVY	31-3-2009	320.00	281602				
5	Net House	RKVY	31-3-2009	150.00	64498				
6.	Farm godown	RKVY	09-2-2010	70.61	454500				
7.	Training hall	RKVY	11-2-2010	190.99	1395800				
8.	Process plant	RKVY	11-2-2010	197.31	1536400				
9.	Implement shed	RKVY	09-2-2010	77.33	297800				

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Toyota Qualis	2004	590000	-	Working at junagadh on pooled basis
Tata Sumo	2008	600000	140077	Purchase from MP grant

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Generator set	27-3-2002	24900	Working
Color TV (Akai) with Remote	27-3-2002	13850	Working
Panasonic PT LC 50 LCD Project	28-3-2002	164368	Working
PA Audio Vision System	28-3-2002	20000	Working
Computer System Intel Pentium IV	2003	32000	Working
Computer Wipro Super Genius Desktop	6/2/2006	-	Working
Electronic Kelvinator Refrigerator	2006	10,500	Working
Balaji Bio Gas Plant	2007	32000	Working
Aspee Tractor Mounted Sprayer	2007	32000	Working
Air Assisted Blower type sprayer	2009	98750	Working
Photo copier Machine (Richo)	2008-09	115300	Working
Digital Camera (Nikon) P- 90 12.1	2009-10	24300	Working
LCD Projector with ceiling mount kit Model-PT-	2008-09	92155	Working
CB50NTE-2GA (Panasonic) DVD Home theater system with Speaker (HCL)	2008-09	28000	Marking
LCD TV 22" Model- 22LG30 (L. G.)	2008-09	27287	Working Working
Cotton stalk Shredder	2008-09	121000	Working
Groundnut Digger-Tractor Operated	2008-09	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
Laptop Computer (HCL)	2008	47500	Working
Solar steel digital water plant	2006	45000	Working

1.8. Details SAC meeting conducted in the year-2011 (Date : 17-3-2011)

Name and Designation of Participants	Salient Recommendations	Action taken
 Dr. N. C. Patel, Hon. Vice Chancellor, JAU, Junagadh Dr. A. M. Parakhia, Director of Extension Education, JAU, Junagadh 	Dr. N. C. Patel, Hon'able Vice chancellor suggested that number of popular articles should be increased at least up to 4 per SMS, also increase numbers of folder up to 15. So that farmers' and farm women get written material after getting training.	Total 13 popular articles published in current year and one folder developed
 Dr. I. U. Dhruj, ADR, JAU, Junagadh Dr. M. N. Popat, Asso. Dir. of Extn Edn, JAU, Junagadh Dr. K.N. Akbari, Res.Sci. (DF), Targhadia Shri K.V. Parmar, Dy.Director of Horticulture, Rajkot 	Shri Karansinh Solanki, I/C Director of Doordarshan, Rajkot has suggested that for the benefit of farmer's and farm women, the number of off campus trainings should be increased. He also suggested to use protective wears like gloves, mask, spectacles, etc., at the time of spraying the insecticide or Pesticide. Further, he suggested that participation of farm women should be increased in trainings as well as in TV programmes.	Suggestion accepted & Implemented
7. Shri J. K. Kanani, Assistant Director of Agriculture, Rajkot	Do not calculate training, seminar, workshop of other organizations under KVKs activities. It should be reported under lecture delivered only.	Suggestion accepted & Implemented

	<u> </u>	
	Dr. M. N. Popat, ADEE suggested that farmer's	Suggestion
8. Shri P.T. Korvadia,	meeting should be organized on the each FLD	accepted &
Dy. Director, GLDC,	site	Implemented
Rajkot	Data on average productivity of state and district	Suggestion
9. Shri Karansinh Solanki,	should be verified properly.	accepted and
Station Director,	and the first state of the first	data verified
Doordarsan Kendra,	Data on potential yield should be maintained as	Suggestion
Rajkot	per our region.	accepted &
10. Dr. P. B. Kundaria,	' "	Implemented
Assistant Manager,	Create awareness among farmers about seed	Suggestion
Gopal Dairy, Rajkot	treatment and training programme on seed	accepted &
11. Shri Baldev Dalsaniya,	treatment should be scheduled during 1st	Implemented
Programme executive,	quarter in Action Plan.	
All India Radio, Rajkot	Try to add farmers name and his phone number	Suggestion
12. Shri Hareshbhai M.	in presentation who had benefited by FLD.	accepted &
Saipariya,	,,	Implemented
Progressive Farmer,	Do not take FLDs on other crop which was not	Suggestion
Rataiya	approved during SAC meeting.	accepted &
13. Shri Babubhai D.		Implemented
Ramani,	In case of FLD on Trichoderma (Bio-agent), the	Suggestion
Progressive Farmer,	observations on disease intensity should be	accepted &
Khorana	recorded and included in the presentation	Implemented
14. Miss Daksha N. Topia,	Arrange separate SAC meeting for Rabi and	Suggestion
Magharvada	Kharif season.	accepted
15. Miss Purvi M. Topia,	Arrange three days On campus training	
Rural Youth,	programmes, after completion of the new	New building
Magharvada	building and arrange field visit with collaboration	work under
16. Shri. P. J. Desai,	of ATMA, DRDA, NHRDF, Department of	progress
Asst. Nutritionist,	Agriculture, Horticulture, Animal Science etc.	
Gopal Dairy, Rajkot	The OFT beneficiaries should be at least 10 per	Suggestion
17. Dr. Pashwin	group in case of Home Science OFTs.	accepted
Dudhagara, VO,	Add training programme on "Management of	Suggestion
Gopal Dairy, Rajkot	fertilizer in cotton and groundnut". It should be	accepted &
18. Dr. H. B. Thesia,	included in the 1st quarter in the Action plan.	Implemented
VO, Gopal Dairy,	Give emphasis on training programme for "Use	0
Rajkot	of plastic as a mulching in summer crops	Suggestion
19. Shri Chandubhai D.	especially in watermelon" and make one	accepted &
Sangani, Progressive	success story on plastic used in water melon	Implemented
Farmer, Khorana	cultivation.	Quagostics
20. Shri Pravin Nathabhai	Add fourth treatment "Balance diet for animals"	Suggestion accepted &
Saipariya,	as intervention in OFT of Animal Science.	•
Progressive Farmer,	Do not take project directly without taking	Implemented
Rataiya	Do not take project directly without taking	Suggestion
21. Shri Ramesh L.	permission from proper channel and don't take	accepted
Vekariya,	new project now onwards.	Evon, SMS
Progressive Farmer,	Every SMS should maintain a register	Every SMS
Khorana	comprising of FLDs, on/off campus training	maintain FLD
22. Shri Manshukh R.	programme of respective subjects, work diary.	register and
Vekariya,		work dairy
Progressive Farmer,	Demonstration of small farm equipment should	Suggestion
Khorana	increased, as it is very useful for farmers.	accepted &
23. Shri. Kanparia R. S.	,	Implemented
Progressive farmer,	Disseminate the awareness of new varieties	Suggestion
Shrinathgadh, Gondal	which was recommended by university and	accepted &
	arrange FLDs on such new varieties	Implemented

24. Shri Govindbhai P. Undhad, Progressive Farmer, Khorana 25. Shri Jasoliya V. P.	Give demonstration to farmers on Capsicum and tomato during winter season.	Not implemented due to post of SMS (Horti) is vacant
Progressive farmer, Shrinathgadh, Gondal 26. Shri Bharat P. Jodhani	To motivate the farmers to apply for ATMA and ICAR awards in advance.	Suggestion accepted & Implemented
Progressive farmer, Shrinathgadh, Gondal	Increase number of Vocational training programme.	Suggestion accepted
27. Shri. D. J. Parmar, Gram Sevak, Dist. Panchayat, Rajkot	Prepare nursery in KVK	Suggestion accepted & Implemented
	Arrange training on Farm Equipment under engineering section.	Suggestion accepted & Implemented
	Arrange training on food processing	Suggestion accepted & conducted one collaborative training with IICPT
	Photographs in presentation and in report should be with self explanatory title, date. Also, give report with coloured photographs to all members.	Suggestion accepted
	Give advance time schedule to sarpunch for off campus training programme and inform the farmers well in advance.	Suggestion accepted & Implemented

2. DETAILS OF DISTRICT

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

Sr. No	Farming system/enterprise
1	Groundnut – Wheat/ Cumin, Cotton – Summer Groundnut/ Pulse crop
2	Dairy product
3	Farm Waste Management specially for cotton stalk
4	Fruit and Vegetable Preservation
5	Value addition in Groundnut, Til and Bajra

2.2 Description of Agro-climatic Zone & major agro ecological situations

Sr. No	Agro- climatic Zone	Characteristics
1.	North	The total geographical area of North Saurashtra Agro Climatic Zone is
	Saurashtra	35.2 Lacs ha. Out of total area, 73.40 per cent area falls under arid and
	Agro Climatic Zone (VI)	semi-arid region. The soils of this zone are shallow to moderately deep. The soils of Rajkot district is low in their availability of nitrogen
	2011e (VI)	while medium in phosphorus and high in available potash except the
		available phosphorus and potash is in medium category in adopted
		villages. Monsoon commences usually by the end of June and
		withdraws by middle of September. Average annual rainfall of districts
		is 624 mm.

	Agro ecological situation	Characteristics	Taluka Covered*
No			
1.	Situation No. 2	Medium Black Soil with 500-600 mm Rainfall	Gondal, Jamkandorna
2.	Situation No. 4	Shallow black soil with 500-600 mm Rainfall	Lodhika, Padadhari, Rajkot, Kotada sangani
3.	Situation No. 7	Residual Sandy Soils with 500-600 mm Rainfall	Morbi, Vankaner, Tankara, Maliya
4.	Situation No. 14	Hilly Soils with 500-600 mm Rainfall	Jasdan

[•] Jetpur, Dhoraji and Upleta Taluka falls under the South Saurashtra (VII) Agro - Climatic Zone

2.3 Soil types

Sr. No	Soil type	Characteristics	Area in ('000) ha
1.	Clay to clay loam	Medium black calcareous soil	258
2.	Sandy Clay Loam to Clayey	Well drained soil with rapid permeability	301
3.	Sandy to Sandy 10 cm, Calcareous	Well drained soils	

2.4. Area, Production and Productivity of major crops cultivated in the district (2009-10)

Sr. No	Crop	Area (ha)	Production (MT)	Productivity (Kg.
Vhorif Cooo				/ha)
Kharif Seaso				
1.	Groundnut	299188	299188	1000
2.	Cotton (Bt.)	301743	593830	1968
3.	Cotton (Desi)	29609	23687	800
4.	Pearl millet	9594	17356	1809
5.	Sorghum	24030	12015	500
6.	Sesamum	25843	40938	1584
7.	Castor	12825	36998	2885
8.	Pigeon pea	630	580	920
9.	Black gram	3523	1066	303
10.	Green gram	3295	1189	361
Rabi Season				
1.	Wheat	111021	373429	3364
2.	Mustard	237	254	2072
3.	Cumin	34604	20431	591
4.	Vegetable	6428	30831	4796
5.	Onion	9171	267641	29183
6.	Garlic	11617	85504	7360

2.5 Weather data (2011-12)

Month	Dainfall (mm)	Tempera	Relative	
Wonth	Rainfall (mm)	Maximum	Minimum	Humidity (%)
April - 2011	-	37.0	22.0	76.74
May - 2011	-	33.5	23.0	81.72
June - 2011	18.0	39.0	21.0	78.26
July – 2011	575.5	38.5	17.0	61.51
August -2011	336.6	36.0	20.0	78.24
September- 11	211.1	39.0	22.0	80.60
October- 2011	-	38.5	17.0	61.51
November-2011	-	36.0	15.8	49.44
December-2011	-	34.8	7.0	42.72
January – 2012	-	29.0	7.0	48.50
February – 2012	-	34.5	4.8	58.98
March – 2012	-	40.8	10.5	48.04
	1141.2			

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

Category	Population	Production ('000 tone)	Productivity
1	2	3	4
Cattle		•	
Crossbred	14866	13.73	
Indigenous	424342	134018	
Buffalo	273953	206.82	
Sheep			
Crossbred			
Indigenous	274546		
Goats	218139	10.61	
Pigs			
Crossbred			
Indigenous	23044		
Rabbits			
Poultry		•	
Hens			
Desi	5930		
Improved	126137		
Ducks	50		
Others			
Horse and Camel	792		

2.7 Details of Operational area / Villages

Sr. No.	Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Rajkot	Cluster I	Ranpur Magharvada Deroi Bedla Khorana	Groundnut, Cotton, Sesamum, Green gram, Black gram. Wheat,	* Heavy infestation of sucking pest in cotton, * Sesamum leaf blight and Stem	* IPM and INM in major crops in this area * Reducing the inter-calving period in
2	Paddhari	Cluster II	Metoda Sarapdad Kerala Nani Amreli Suvag	Cumin, Chickpea, Garlic, Onion. Enterprises are dairy business,	rot disease in Groundnut, * Long inter- calving period in Buffalo, *Nutritional	Buffalo * Motivate the farmers for arid Horticultural crops. * To create the
3	Wankaner	Cluster III	Mesariya Ratadiya Samdhiyala Kothi Jalida	vermi composting, preparation of roasted groundnut and chikki from groundnut seed.	deficiency in animal feed and fodder, * Less area under Horticultural crops. * Low "N" in soil.	awareness for grading, processing and marketing (value addition)

2.8 Priority thrust areas

Crop/Enterprise	Thrust area				
Groundnut,	Increasing the productivity of the major crops by adopting recommended				
Sesamum etc	dry farming technologies and to create awareness for value addition.				
Water	In situ soil moisture conservation and rainwater harvesting. Use of				
conservation	cotton stalk for organic manure.				
Cotton	Motivating cotton growers to adopt IPM and INM practices for reducing				
A : 1 = '/	the cost of production.				
Arid Fruits	Promoting the arid horticulture.				
Livestock prod.	Enhancing productivity of milch animals by proper feeding and breeding				
	management.				
women	Providing self employment through skill oriented income generating				
empowerment	activities				
Agriculture	Developing interest among youth for agriculture as a profession.				
Horticulture	Value addition in agriculture produces through proper grading, processing, marketing and information technology.				
PHT	Minimizing the post harvest losses and to create the awareness for proper storage.				
Income	Self employment among rural youth and skill oriented income				
generating	generating activities.				
activities					
Nutrition	Care and importance of nutrition in children & pregnant women.				
management					

3. TECHNICAL ACHIEVEMENTS

3.A Details of target and achievements of mandatory activities by KVK during 2010-11

OFT				FLD			
	1				2		
Numb	er of OFTs	Numbe	r of Farmers	Number of FLDs Number of Farmers (Area in ha.)		r of Farmers	
Targets	Achievement	Targets Achievement		Targets	Achievement	Targets	Achievement
6	6	48	48	48.0	56.4	130	158

Training (including sponsored, vocational and other trainings carried out under Rainwater Harvesting Unit)						Extensio	n Acti	vities
	3						4	
Num	Number of Courses Number of Number of Participants activities			ourses Number of Participants				nber of icipants
Clientele	Targets	Achievement	Т	Α	T	Α	Т	Α
Farmers	89	83	2225	2369	-	-	-	-
Rural youth	3	2	75	52	-	-	-	-
Extn.	4	6	100	153	-	-	-	-
Functionaries								
Total	96	91	2400	2574	-	401	-	15592

Seed Pr	oduction (Qtl.)	Planting material (Nos.)		
	5	6		
Target	Achievement	Target Achieveme		
-	106.08	-	60	

3.B Abstract of interventions undertaken

				Interventions						
S. N.	Thrust area	Crop/ Enter- prise	Identified Problem	Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for ext. personnel if any	Extensi on activi- ties	Supply of seeds, planting materials etc.	
1	2	3	4	5	6	7	8	9	10	
1	To minimize age at first calving (AFC) in heifers	Live stock	Late age at first calving -Loss in production	Reduction in age at first calving (AFC) in heifers	-	Optimizing reproductive efficiency & to reduce age of 1st calving (AFC)	-	Group meeting	gram - Mineral mixture	
2	Increase the productivity of cotton	Cash crop	Imbalance fertilization in cotton	Low yield of cotton	-	Balance fertilization in cotton	-	day/ Kishan	Fertilizers specially micro nutrient	
3	Increase the productivity of cotton	Cash crop		Managemen t of sucking pests in cotton	-	IPM in cotton	-	Group Meet./ Field day	Pesticides Specially botanicals and bio.	
4	Increase the productivity of groundnut	Oil seeds	Stem rot disease in groundnut	Application methods of Trichoderma against stem rot disease in groundnut	-	IDM in groundnut	-	Group Meet./ Field day	Trichoder Ma culture specially "SAVAJ" Brand	
5	Increase the productivity of groundnut	Oil seeds	Low moisture content due to rain fed farming	Low yield of Groundnut due to	-	Soil moisture conservation	-	Group meeting	Recomm- ended practices for watershed manage- ment	

3.1 Achievements on technologies assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vege- tables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
1	2	3	4	5	6	7	8	9	10	11
Varietal										
Evaluation										
Seed / Plant										
production										
Weed										
Management.										
Integrated										
Crop Manag.										
Integrated										
Nutrient				1						1
Management										
Integrated										
Farming										
System										
Mushroom										
cultivation										

Drudgery reduction					
Farm machineries					
Value addition					
Integrated Pest Management	1	1			2
Integrated Disease Management					
Resource conservation technology	1				1
Small Scale income generating enterprises					
Home Science					1
TOTAL	2	2			5

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vege- tables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
1	2	3	4	5	6	7	8	9	10	11
Varietal										
Evaluation										
Seed / Plant										
production										
Weed										
Management										
Integrated										
Crop										
Management										
Integrated										
Nutrient				1						1
Management										
Integrated										
Farming										
System										
Mushroom										
cultivation										
Drudgery										
reduction										
Farm										
machineries										
Value										
addition										
Integrated										
Pest		1		1						2
Management										
Integrated										
Disease										
Management										
Resource							1			
conservation		1					1			1
technology										
Home							1			1
Science										
TOTAL		2		2						5

A.3 Abstract on the number of technologies assessed in respect of livestock

Thematic areas	Cattle	Poultry	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-
Nutrition						
Management	-	_	_	-	-	-
Disease of						
Management	-	_	_	-	-	-
Value Addition	-	-	-	-	-	-
Production and	1					1
Management	ı	_	_	-	-	'
Feed and Fodder	-	-	-	-	-	-
Small Scale income						
generating	-	_	-	-	-	-
enterprises						
TOTAL	1	-	-	-	-	1

A.4 Abstract on the number of technologies refined in respect of livestock

Thematic areas	Cattle	Poultry	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-
Nutrition						
Management	-	-	_	-	-	-
Disease of						
Management	-	-	_	-	-	-
Value Addition	-	-	-	-	-	-
Production and	4					1
Management	ı	-	_	-	-	ı
Feed and Fodder	-	-	-	-	-	-
Small Scale income						
generating	-	-	-	-	-	-
enterprises						
TOTAL	1	-	-	-	-	1

B. DETAILS OF EACH ON FARM TRIAL (OFT)

A. Technology assessment /Refinement

OFT – 1

- 1) Title of technology assessed/Refined: Low yield of cotton
- 2) Problem definition: low yield of cotton due to Imbalance fertilization in cotton
- 3) Details of technologies selected for assessment/refinement:
 - ✓ T1. Dose of fertilizer 125 kg DAP & 125 kg Urea /ha (Farmer's practices)
 - √ T2. Dose of fertilizer (160-0-0 NPK kg / ha) in four split in which second split in form of Ammonium Sulphate (Recommended)
 - ✓ T3. T2 + 50 kg P2O5 ha-1 through DAP + 50 kg K2O ha-1 through MOP as a basal dose(intervention)
 - ✓ T4. T3 + and 25 kg MgSO4 ha-1 + 10 kg ZnSO4 as a basal dose. (intervention)
- 4) Source of technology: GAU
- 5) Production system: Balance fertilization in cotton
- 6) Thematic area: Balance fertilization in cotton
- 7) Performance of the technology with performance indicators :

Farmer	Name of the	Name of the		Yi	eld (kg	/ha)	
No	farmer	Village	T-1	T-2	T-3	T-4 *	Average
1	J.L.Lunagariya	Sarapdad	2400	2570	2900	3350	2800
2	B.D.Ramani	Khorana	2320	2440	2940	3240	2730
3	KVK -Farm	Targhadia	2090	2190	2390	2540	2300
	Average	2270	2400	2740	3040		

^{*} Comparatively less reddening was observed in treatment No.-4

- 8) Final Recommendation for micro level situation: Recommended dose of fertilizer (160-0-0) in four split in which second split in form of Ammonium Sulphate+ 50 kg P2O5 ha-1 through DAP + 50 kg K2O ha-1 through MOP as a basal dose.+ 25 kg MgSO4 ha-1 + 10 kg ZnSO4 as a basal dose.
- 9) Constrains identified and feedback for research:
 - ✓ Unbalance fertilization
 - ✓ Problems of sucking pest
 - ✓ Lack of knowledge of fertilization
 - ✓ Less use of organic manures in soil
- 10) Process of farmers participation and their reaction: Good
- 11) Results of on farm trials

Crop/	Farming	Problem	Title of OFT	No of	Technology	Parameters of
enterprise	situation	definition		trials	assessed	assessment
1	2	3	4	5	6	7
Cotton	Irrigated	low yield of cotton due to Imbalance fertilization in cotton	Low yield of cotton	5	Balance fertilization	Yield

Data on the	Results of	Feedback from	Technology	Production per	
parameter	assessments	the farmers	assessed/refined	unit	
8	9	10	11	12	
Acc. to parameter 7	T1 Farmers practices T2. Recommended dose of fertilizer (160-0-0 NPK kg / ha) in four split in which second split in form of Ammonium Sulphate T3. T2 + 50 kg P2O5 ha-1 through DAP + 50 kg K2O ha-1 through MOP as a basal dose		Recommended dose of fertilizer (160-0-0) in four split in which second split in form of Ammonium Sulphate+ 50 kg P2O5 ha-1 through DAP + 50 kg K2O ha-1 through MOP as a basal dose.+ 25 kg MgSO4 ha-1 + 10 kg ZnSO4 as a basal dose.	30.40 q / ha	
	Net return (Profit) in Rs	/Unit	BC Ra	tio	
	13		14		
	63067		2.66)	
	69672	2.88			
	81502		3.02		
	92692	3.18			

OFT - 2

- 1) Title of technology assessed/Refined : Management of sucking pests in cotton.
- 2) Problem definition
 - √ No adoption of recommended practices
 - ✓ Injudicious use of insecticide
- 3) Details of technologies selected for assessment/refinement :
 - a. T1. Use of newer insecticide (Farmers practice)
 - b. T2. Use of new, old and bio control agent (Recommended practice)
 - c. T3. Alternate treatment new & old insecticide (intervention)
- 4) Source of technology: JAU, Junagadh
- 5) Production system and thematic area: Integrated Pest Management
- 6) Thematic area: Integrated Pest Management
- 7) Performance of the technology with performance indicators :

Farmer No	Name of	Name of	Data	on th	•			cators of the technology ed (Kg/ha)			
Fari	the farmer	the Village		Technology option 1		Technology option 2			Technology option 3		
			Indicator 1	Indicator 2	Indicator 3	Indicator 1	Indicator 2	Indicator 3	Indicator 1	Indicator 2	Indicator 3
1	KVK-Farm	Targhadia	2521	0.63	1.9	2689	0.5	1.7	2560	0.6	1.8

Indicator 1: yield of cotton in Kg/ha, Indicator 2: --No. of jassid 3 leaves/plant, indicator 3: No. of white fly / 3 leaves/plant

- 8) Final recommendation from micro level situation: Alternate treatment one and two
- 9) Constrains identified and feedback for research:
 - ✓ No knowledge about the use of particular pesticide for the control of sucking pests, resulted the development of resistance in the pest.
 - ✓ Use of higher dose of insecticide
 - ✓ Not adopting recommended schedule for spraying insecticides.
 - ✓ Farmer spray insecticide as per instructions given by local pesticides retailer.
 - ✓ Lack of knowledge of fertilization. (Nitrogeneous)
- 10) Process of farmers participation and their reaction: Satisfactory
- 11) Results of on farm trials

Crop/	Farming	Problem	Title of OFT	No of	Technology	Parameters of
enterprise	situation	definition		trials	assessed	assessment
1	2	3	4	5	6	7
Cash crop	Rainfed	incidence	Management		Management of	 Pest population
	farming		of sucking	3	sucking pests in	 Yield of cotton
		in cotton	pests in cotton		cotton	

Data on the	Results of	Feedback from the	Technology	*Production
parameter	assessments	farmers	assessed/refine	per unit
			d	
8	9	10	11	12
Acc. to parameter 7	Farmers practice- Use of newer insecticide Use of new, old and bio control agent (Recommended practice)	In IPM practice high yield obtain High benefit obtain in alternate spraying of old & new insecticide	Alternate treatment old & new insecticide	25.60 q/ha.

Net return (Profit) in Rs/ha.	BC Ratio
13	14
72949	3.0
78225	3.0
75314	3.1

OFT –3 Title of technology assessed/Refined : Problem identification : Application methods of *Trichoderma* against stem rot disease in groundnut

- 1) Problem definition
 - ✓ Low plant population
 - ✓ Disease problems.
 - ✓ Lack of knowledge for use of recommended control measures
- 2) Details of technologies selected for assessment/refinement:
 - a. T1. Mix Trichoderma @ 2.5 kg /ha with 50 kg fine sand or organic manure and soil application in side the groundnut row at 30 days after sowing in moist condition (Farmers Methods)
 - b. T2. Mixing Trichoderma @ 2.5 kg/ha with castor cake @ 500 kg/ha at the time of sowing with the help of multi purpose seed drill. (Recommendation).
 - c. T3. Soil drenching of Trichoderma @ 50 gm/10 litter of water using spray pump without nozzle. (Intervention)
- 3) Source of technology: JAU, Junagadh
- 4) Production system and thematic area: Integrated Disease Management
- 5) Thematic area: Integrated Disease Management
- 6) Performance of the technology with performance indicators :

er	Name of the	Name of	Tech	Data on the performance indicators of the technology assessed/refined (Kg/ha) Technology Technology Technology option 1 option 2 option 3					gy		
Farmer	farmer	the Village	Indicator 1		Indicator 3	Indicator 1	Indicator 2	Indicator 3	Indicator 1	Indicator 2	Indicator 3
1	J.D. Lunagariya	Sarapdad	1815	3.6	-	1938	1.7	-	1740	3.6	-
2	KVK-Farm	Targhadia	880	3.8	-	944	2.5	-	824	4.3	-
	Average		1348	3.7	-	1446	2.1	-	1285	4.0	-

Indicator 1: yield of groundnut in Kg/ha, Indicator 2: percent infected plant at time of harvest

- 8) Final recommendation from micro level situation: Soil drenching of Trichoderma @ 50 gm/10 litter of water using spray pump without nozzle. (Intervention)
- 9) Constrains identified and feedback for research:
 - ✓ Low plant population
 - ✓ Disease problems.
 - ✓ Lack of knowledge for use of recommended control measures.
- 10) Process of farmers participation and their reaction:
- 11) Results of on farm trials

Crop/	Farming	Problem	Title of OFT	No of	Technology	Parameters of
enterprise	situation	definition		trials	assessed	assessment
1	2	3	4	5	6	7
Oilseed	Rainfed farming	Stem rot disease in groundnut	Application methods of Trichoderma against stem rot disease in groundnut	4	Application methods of Trichoderma against stem rot disease in grounnut	Yield of groundnutPercent infected plant

Data on	Results of assessments	Feedback	Technology	*Production
the		from the	assessed/refined	per unit
parameter		farmers		
8	9	10	11	12
Acc. to	1. Mix Trichoderma @ 2.5 kg /ha	Trichoderma	Soil drenching of	12.85 q/ha.
parameter 7	with 50 kg fine sand or organic	reduce the	Trichoderma @	
	manure and soil application in	infestation of	50 gm/10 litter of	
	side the groundnut row at 30	stem rot in	water using	
	days after sowing in moist		spray pump	
	condition (General		without nozzle.	
	Recommendation- (Farmers	of groundnut	(Intervention)	
	Methods)	also		
	2. Mixing Trichoderma @ 2.5	observed		
	kg/ha with castor cake @ 500			
	kg/ha at the time of sowing with			
	the help of multi purpose seed			
	drill . (Recommended Practice			
	by JAU).			

Net return (Profit) in Rs/Unit	BC Ratio
13	14
30245	2.1
34910	2.3
29575	2.0

OFT - 4

- 1) Title of on-farm trials: Low yield in groundnut due to due to improper tillage practice.
- 2) Problem definition:
- 1. Shallow ploughing.
- 2. Lack of knowledge about soil moisture conservation and its importance.
- 3. Lack of knowledge regarding proper tillage practice.
- 3) Details of technologies selected for assessment/refinement:
 - ✓ T1. Shallow ploughing with 7-8 interculturing (Farmer method)
 ✓ T2. Deep ploughing with 2-4 interculturing (Recommendation)

 - ✓ T3. Medium deep ploughing with 4-5 interculturing (Intervention)
- 4) Source of technology: JAU, Junagadh
- 5) Production system and thematic area: Resource conservation technology
- 6) Thematic area: Resource conservation technology
- 7) Performance of the technology with performance indicators:

			Data on the performance indicators of the technology assessed/refined									
٦ No.	Name of the	Name of	Technology option 1		Technology option 2		Technology option 3					
Farmer	farmer	the Village	Indicator 1 (kg/ha)	Indicator 2 (%)	Indicator 1 (kg/ha)	Indicator 2 (%)	Indicator 1 (kg/ha)	Indicator 2 (%)				
1	S.R. Limbasiya	Suvag	995	21.50	1035	24.50	1080	23.80				
2	R.P. Tatamiya	Khorana	840	20.00	895	22.40	925	20.90				
3	KVK Farm	Targhadia	895	20.90	935	23.30	965	22.20				
	Average		910	20.80	955	23.40	990	22.30				

Indicator 1: Yield of groundnut (kg/ha), Indicator 2: Soil moisture content (%)

- 8) Final recommendation for micro level situation Medium deep ploughing with 4-5 times interculturing
- 9) Constraints identified and feedback for research; ---
- 10) Process of farmer's participation and their reaction : Farmers aware about benefit of medium deep ploughing

11) Results of on farm trials:

,						
Crop/	Farming	Problem	Title of OFT	No of	Technology	Parameters of
enterprise	situation	definition		trials	assessed	assessment
1	2	3	4	5	6	7
Oilseed	Rainfed farming		Low yield of groundnut due to improper tillage practice	3	Proper tillage practice for soil moisture conservation and higher yield	✓ Yield of groundnut✓ Moisture percent

Data on	Results of assessments	Feedback from	Technology	*Production
the		the farmers	assessed/refined	per unit
parameter				
8	9	10	11	12
Acc. to parameter 7	Shallow ploughing with 7-8 interculturing	Low moisture conservation in shallow ploughing	Medium deep ploughing with 4-5 interculturing	9.90 q/ha
	Deep ploughing with 2-4 interculturing	Stem rot disease is higher in deep tillage and frequent interculturing		

Net return (Profit) in Rs/Unit	BC Ratio
13	14
8350	1.36
10525	1.46
12350	1.55

OFT –5

- 1) Title of technology assessed/Refined : Management of Anemia in adolescent girls.
- 2) Problem definition:
 - ✓ Girls does not prefer iron rich diet.
 - √ Lack of nutritional management
- 3) Details of technologies selected for assessment/refinement:

Category	Source of technology	Technology details
Technology	-	First group for control
Option1		
Technology	-	Iron & folic acid tablets from PHC for first group of
Option2		adolescent girls
Technology	-	Use of gram (50gm) + black sesamum (10gm) for
Option3		second group of adolescent girls

- 4) Source of technology: -
- 5) Production system and thematic area:
- 6) Thematic area: Women and child care
- 7) Performance of the technology with performance indicators:

			Data on the performance indicators of the technology assessed/refined						
Š.			Techn		Techr	nology	Technology		
	Name of the	Name of	optio	on 1	opti	on 2	option 3		
Farmer	farmer	the Village	Indicator 1 : Body weight increase (kg)	Indicator 2 Hemoglobin increase (%)	Indicator 1 : Body weight	Indicator 2 Hemoglobin Increase (%)	Indicator 1 : Body weight increase (kg)	Indicator 2 Hemoglobin increase (%)	
1	S.R.Makvana	Sarapdad	1.7	0.2					
2	A.D.Dhanvaliya	Bedala	0.5	0.3					
3	S.N.Dhanvaliya	Bedala	1.0	0.0					
4	A.V.Govani	Bedala	1.3	0.4					
5	S.L.Kihla	Bedala	0.5	0.2					
6	N.V.Sojitra	Metoda			1.0	0.2			
7	S.L.Vadhela	Metoda			1.0	0.0			
8	P.G.Pojara	Bedala			1.5	0.6			
9	P.J.Paramar	Bedala			2.0	1.1			
10	P.J. Dabhi	Sarapdad			1.0	8.0			
11	C.B.Dafda	Metoda					1.5	1.0	
12	L.N.Damor	Kerala					2.0	0.5	
13	R.D.Bathavar	Bedala					1.0	1.2	
14	H.V.Sorani	Bedala					1.5	0.9	
15	S.V.Satiya	Bedala					2.0	1.0	
16	R.P.Dabhi	Sarapdad					1.5	0.9	
17	N.D.Sarani	Bedala					1.0	0.1	

Indicator 1: Body weight increase (kg), Indicator 2: Hemoglobin increase (%)

- 8) Final recommendation from micro level situation:
- 9) Constrains identified and feedback for research:
- 10)Process of farmers participation and their reaction
- 11) Results of on farm trials

Crop/ enterprise	Farming situation		Title of OFT	No of trials	Technology assessed	Parameters of assessment
1	2	3	4	5	6	7
Home Science	-	Low Hemo- globin	Management of Anemia in adolescent girls.	2	Feeding of Iron rich diet to adolescent girl in rural for remove Anemia.	 Weight of adolescent girls. (Kg) Hemoglobin of adolescent girls. (%)

Data on the	Results of	Feedback from	Technology	*Production
parameter	assessments	the farmers	assessed/refined	per unit
8	9	10	11	12
Acc. to	Iron & folic acid	-	Use of gram (50gm) +	
parameter 7	tables from		black sesamum (10gm)	
	PHC for first		for second group of	
	group of		adolescent girls	
	adolescent girls		_	

OFT - 6

- 1) Title of technology assessed/Refined : Reduction in age at first calving (AFC) in heifers
- 2) Problem definition: Delayed age at maturity in heifers
- 3) Details of technologies selected for assessment/refinement:
 - √ Farmer's practices
 - ✓ Heifers be fed with Deworming bolus + Mineral Mixture (Recommended Practice)
 - ✓ Heifers be fed with Mineral bricks + Zycloze tablets + Horse gram @ 500 gm/day up to one week (Intervention-1)
 - √ T3+ Balanced concentrated diet (Intervention-2).

- 4) Source of technology: GAU
- 5) Production system and thematic area: Livestock enterprise and Production and management
- 6) Thematic area: Production and management
- 7) Performance of the technology with performance indicators:

			Data o	n the p		ance in			ne tech	nology
r No	Name of the	Name of the	Technology option 1			nology Tech ion 2 op		nology ion 3	Technology option 4	
armer No	farmer	Village	Indicator 1 in month	Indicator 2 in No.	Indicator 1 in month	Indicator 2 in No.	Indicator 1 in month	Indicator 2 in No.	Indicator 1 in month	Indicator 2 in No.
1	Farmers method	Khorana	50-60	3.8- 4.4						
2	R.V.Vekariya	Metoda								
3	A.M.Vekariya	Metoda				2.0				
4	B.V.Vadodariya	Metoda			46-50	2.8- 3.8				
5	G.P.Pipaliya	Metoda				3.0				
6	R.L.Kathiriya	Kerala								
7	P.A.Vekariya	Khorana								
8	N.M.Ramani	Khorana								
9	P.B.Hadagra	Khorana					41-45	2.0-		
10	V.D.Bodar	Bedala					71-75	2.8		
11	S.N.Bodar	Bedala								
12	K.M.Kali	Bedala								
13	R.L.Vekariya	Khorana								
14	G.D.Vekariya	Khorana								
15	V.J.Vekariya	Khorana								1.3-
16	K.C.Vekariya	Khorana							36-40	2.2
17	K.B.Vekariya	Khorana								2.2
18	L.P.Vekariya	Khorana								
19	K.K.Vekariya	Khorana								

Indicator 1 : Age at first calving in month, Indicator 2 : Average No. of Heats required for conception

- 8) Final recommendation for micro level situation : Buffalo heifers should be fed with Mineral bricks + Zycloze tablets + Horse gram @ 500 gm/day + Balanced concentrated diet
- 9) Constrains identified and feedback for research:
 - ✓ Imbalance feeding
 - ✓ Weak estrous
 - √ Poor management of heifers

Process of farmers participation and their reaction: Buffalo heifers should be fed with Mineral bricks + Zycloze tablets + Horse gram @ 500 gm/day + Balanced concentrated diet

10) Results of on farm trials

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No of trials	Technology assessed	Parameters of assessment
1	2	3	4	5	6	7
Livestock	Rainfed farming	Delayed age at maturity in heifers	Reduction in age at first calving (AFC) in heifers	4	Reduction in age at first calving (AFC) in heifers	 Age at first calving in month Average No. of Heats required for conception

Data on the parameter	Results of assessments	Feedback from the farmers	Technology assessed/refined	*Production per unit
8	9	10	11	12
Acc. to parameter 7	 Heifers be fed with Deworming bolus + Mineral Mixture . Heifers be fed with Mineral bricks + Zycloze tablets + Horse gram @ 500 gm/day up to one week 	-	Buffalo heifers should be fed with Mineral bricks + Zycloze tablets + Horse gram @ 500 gm/day + Balanced concentrated diet	-

3.2 Achievements of Front Line 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.

Sr.		Thematic	Technology	Details of popularization	Horizontal spread of technology			
No	Crop	Area*	demonstrated	methods suggested to the extension system	No. of villa.	No.of farmer	Area in ha	
1	2	3	4	5	6	7	8	
1	Groundnut (GG-5)	Crop Production	New variety	Short duration, bunch type and high yielding	6	10	4.0	
2	Sesamum (G.Til-2)	Crop Production	New variety	High yielding & export quality	2	5	2.0	
3	Green gram (GM-4)		New variety	Short duration, high pod length and yield	4	5	2.0	
4	Black gram (GU-1)	Crop Production	New variety	High yielding variety	6	8	3.2	
5	Pear millet (GHB-538)	Crop Production	New variety	High yielding variety	3	20	8.0	
6	Groundnut	IDM	Trichoderma Powder & castor cake	Management of stem rot in groundnut	6	10	4.0	
7	Cotton	INM	Micronutrient	Balance fertilization	6	50	20.0	
8	Cotton	Weed Manage- ment	Pre & Post ememergence	To control the weeds in cotton	1	3	1.2	
9	Wheat (GW-366)	Crop Production	New variety	bold size grain with high yielding variety	12	12	4.8	
10	Cumin (GC-4)	Crop Production	New variety	High yielding variety and wilt resistant	8	15	6.0	

11	Animals	Nutritional	Mineral mixture	To minimize the	5	10	-
		manage-	powder	nutritional deficiency			
		ment		in Livestock			
12	Fodder crop	Fodder	New Grass	To popularized the	6	10	4.0
	(CO-3)	Manage-	Variety	new fodder variety			
		ment	Introduction				
13	Fodder crop	Fodder	New variety of	To popularized the	7	8	8.0
	(JHO-822)	Manage-	fodder grass	new fodder variety			
		ment					

b. Details of FLDs implemented during 2011-12 Oilseeds

Sr.	Crop	Thematic	Technology	Season and	Area (ha)		No. of farmers/ Demonstration			Reaso ns for
No.	Огор	area	Demonstrated	year	Propo- sed	Actual	SC/ ST	Others	Total	short- fall
1	Groundnut (GG-5)	Varietal evaluation	New variety	Kharif - 11	4.0	4.0	-	10	10	-
2	Sesamum (GT-2)	Varietal evaluation	New variety	Kharif - 11	2.0	2.0	-	5	5	-
3	Groundnut	Disease management	<i>Trichoderma</i> powder	Kharif - 11	4.0	4.0	1	9	10	-

Pulses

Sr.	Crop	Thematic	Technology	Season and	Area (ha)		No. of farmers/ Demonstration			Reaso ns for
No.		area	Demonstrated	year	Propo- sed	Actual	SC/ ST	Others	Total	short- fall
1	_	Varietal evaluation	New variety	Kharif - 11	2.0	3.2	-	8	8	-
2	Green gram (GM-4)	Varietal evaluation	New variety	Kharif - 11	2.0	2.0	-	5	5	-

Others

Sr.	Crop	Thematic	Technology	Season and	Area (ha)			. of farm	Reaso ns for	
No.	СГОР	area	Demonstrated	year	Propo- sed	Actual	SC/ ST	Others	Total	short- fall
1	Cotton	INM in cotton	INM	Kharif - 11	20.0	20.0	2	48	50	-
2	Cotton	Weedicide in cotton	Weedicide	Kharif - 11	-	1.2	-	3	3	-
1 3	Pear millet (GHB-538)	Varietal Evaluation	New variety	Kharif - 11	-	8.0	1	19	20	-

Commercial crops (Cumin & Wheat)

Sr.	Crop	Thematic	Technology	Season and	Area (ha)		No. of farmers/ Demonstration			Reaso ns for
No.		area	Demonstrated	year	Propo- sed	Actual	SC/ ST	Others	Total	short- fall
1	Wheat (GW-366)	Varietal evaluation	New variety	Rabi - 10	4.8	4.8	-	12	12	-
2	Cumin (GC-4)	Varietal evaluation	New variety	Rabi - 10	6.0	6.0	-	15	15	-

Details of farming situation

Crop	Season	rming situation (RF/Irrigated)	Soil type	Stat	us of	fsoil	Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
	Şe	Farming (RF/Irri	Soil	N	Р	K	Previo	Sowir	Harve	Seasona (n	No. of ra
1	2	3	4	5	6	7	8	9	10	11	12
Groundnut	Kharif	RF	M. B.	L	М	Н	Cotton & Groundnut	9/7/11	27/10/11	1141.2	34
Sesamum	Kharif	RF	M. B.	L	М	Н	Groundnut	9/7/11	8/10/11	1141.2	34
Green gram	Kharif	RF	M. B.	L	М	Н	Cotton & G'nut	7/7/11	21/9/11	1141.2	34
Black gram	Kharif	RF	M. B.	L	М	Н	Cotton & G'ut	9/7/11	23/9/11	1141.2	34
Pear millet	Kharif	RF	M. B.	L	М	Н	Cotton & Groundnut	9/7/11	28/9/11	1141.2	34
Groundnut	Kharif	RF	M. B.	L	М	Н	Groundnut	20/6/11	30/10/11	1141.2	34
Cotton	Kharif	RF	M. B.	L	М	Н	Cotton & Groundnut	10/7/11	25/1/12	1141.2	34
Cotton	Kharif	RF	M. B.	L	М	Н	Cotton & Groundnut	9/7/11	15/1/12	1141.2	34
Wheat	Rabi	Irrigated	M. B.	L	М	Н	Green gram	8/11/10	1/3/11	1141.2	34
Cumin	Rabi	Irrigated	M. B.	L	М	Н	Groundnut	18/11/10	10/3/11	1141.2	34

B. – Medium Black

Performance of FLD (2011-12)

		Techno				Demo	o. Yield	l Qtl/ha	Yield of	Increase
Sr. No.	Crop	logy Demons trated	Variety	No. of Farmers	Area (ha.)	Н	L	Α	local Check Qtl./ha	in yield (%)
1	2	3	4	5	6	7	8	9	10	11
1	Groundnut	Variety	GG-5	10	4.0	13.00	10.75	11.86	10.82	7.14
2	Sesamum	Variety	GT-2	5	2.0	13.00	9.75	11.50	10.30	11.65
3	Green gram	Variety	GM-4	5	2.0	5.7	4.8	5.2	4.8	8.73
4	Black gram	Variety	GU-1	8	3.2	4.4	4.0	4.2	3.8	10.18
5	Pear millet	Variety	GHB-538	20	8.0	28.25	23.00	25.67	24.35	5.44
6	Groundnut	IDM	GG-20	10	4.0	22.5	10.0	15.8	15.0	6.6
7	Cotton	INM	Bt.	50	20.0	39.30	27.50	32.35	30.83	4.93
8	Cotton	Weedicide	Bt.	3	1.2	31.25	30.25	30.79	28.71	7.23
9	Wheat	Variety	GW-366	12	4.8	49.25	39.75	45.31	42.10	7.58

10	Cumin	Variety	GC-4	15	6.0	8.25	5.75	7.17	6.70	7.28	
		Mineral	V.M. All			Milk p	Milk production (Lit./Lactation)				
11	Animals	mixture powder	Powder	10	-	2235	1360	1630	1550	5.16	
	Fodder crop	Hybrid	Coimbatore-3	10	4.0			Result a	waited		
12		Napier	(CO-3)								
		Grass									
13	Fodder crop	Oat	JHO- 822	8	0.8	Result awaited					

Economic Impact (continuation of previous table)

S.N.	Cost of cultivation (Rs./ha)		Gross Return	(Rs./ha)	Net Return (F (Rs./ha)	Benefit-Cost Ratio (Gross Return / Gross Cost	
	Demonstration Local Check		Demonstration	Local Check	Demonstration	Local Check	Demonstration
	14	15	16	17	18	19	20
1	28730	28185	52834	48204	24104	20019	1.84
2	15265	16510	26220	23484	10955	6974	1.71
3	14575	14375	17651	16233	3076	1858	1.21
4	13813	13625	15403	13780	1590	155	1.12
5	17115	14988	30162	28611	13047	13626	1.76
6	25170	24500	61856	57993	36686	33493	2.5
7	44935	44288	143472	136864	98537	92576	3.19
8	46300	42100	138093	128764	91793	86664	2.98
9	18950	18250	61259	56919	42309	38669	3.23
10	16375	15500	108849	101572	92474	86072	6.65

Analytical review of component demonstrations

Crop	Season	Component	Farming situation	Average yield (Demo.) (q/ha)	Average yield (Local check) (q/ha)	Percentage increase in productivity over local check
Groundnut	Kharif	Seed/Variety	Rainfed	4.7	4.3	9.30
Sesamum	Kharif	Seed/Variety	Rainfed	4.6	4.1	12.19
Green gram	Kharif	Seed/Variety	Rainfed	5.2	4.8	8.33
Black gram	Kharif	Seed/Variety	Rainfed	4.2	3.8	10.52
Pear millet	Kharif	Seed/Variety	Rainfed	10.2	9.7	5.15
Groundnut	Kharif	IDM	Rainfed	15.8	15.1	4.63
Cotton	Kharif	INM	Rainfed	32.3	34.6	7.12
Cotton	Kharif	Weedicide	Rainfed	30.8	28.7	7.23
Wheat	Rabi	Seed/Variety	Irrigated	45.31	42.10	7.58
Cumin	Rabi	Seed/Variety	Irrigated	7.18	6.70	7.28

Technical Feedback on the demonstrated technologies

Sr. No.	Feed Back
1	To enhance the farmers to use recently developed certified varieties of related crop.
2	Proper use of fertilizers, Irrigation, insecticides and fungicide as per
	recommendation to reduce the production cost.

Farmers' reactions on specific technologies

Sr. No.	Feed Back
1	Cumin variety GC-4 is high yielding but gradually loosing wilt resistant character
2	Bunch type groundnut variety is suitable for rain fed area.
3	Application of <i>Trichoderma</i> is very useful for minimizing the stem rot in groundnut.
	(Application at the time of sowing with 500 kg castor cake/ha.)
4	Wheat variety GW-366 is high yielding but black tip on grain was developed
5	Reddening of cotton
6	Heavy infestation of thrips in crops like garlic, onion, cotton, groundnut, castor,
	cumin and coriander
7	Heavy infestation of mealy bug in cotton, groundnut, custard apple, mango and
	ber.
8	Late and poor germination was observed in cumin variety GC-4
9	Heavy infestation of mite in garlic, chili, brinjal, okra, cotton and groundnut
10	Research needed for control of insect-pests and diseases in organic farming
11	Problem of leaf curling in chilli.
12	In case of groundnut variety GG-7, the test of seeds is affected due to bold size of
	kernel, which created vulnerable condition for disease infection
13	Wilting in chili and cotton
14	Problem of repeat breeding in cattle & buffaloes.

Extension and Training activities under FLD

Sr. No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Farmers Training	5	-	102	-
2	Media coverage	-	-	-	-
3	Kisan Ghosthi	4	-	89	-
4	Field day	3	-	178	-
	TOTAL	12		369	

3.3 Achievements on Training (Including the sponsored, vocational, FLD and trainings under Rainwater Harvesting Unit) :

A) ON Campus

Thematic area	No. of		Participants Others SC/ST Grand Total										
	courses		Others		(Grand Tot	al						
		Male	Female	Total	Male	Female	Total	Male	Female	Total			
1	2	3	4	5	6	7	8	9	10	11			
(A) Farmers & Farm Women													
I. Crop Production													
Integrated Farming	2	51		51			0	51	0	51			
Water management	1	19		19			0	19	0	19			
Integrated Crop Management	1	30		30			0	30	0	30			
Cropping Systems	1	23		23	1		1	24	0	24			
II. Horticulture													
a) Vegetable Crops													
Off-season vegetables	1	22		22			0	22	0	22			

One discourse of	I	1		1	1	1				I
Grading and			0.4	00			0	0	0.4	00
standardization	1	2	24	26			0	2	24	26
Protective										
cultivation										
(Green Houses,	_	00		00			•	00	0	00
Shade Net etc.)	1	28		28			0	28	0	28
b) Fruits										
Cultivation of							_		_	
Fruit	1	26		26			0	26	0	26
c) Ornamental										
Plants										
d) Plantation										
crops										
e) Tuber crops										
f) Spices										
g) Medicinal										
and Aromatic										
Plants										
III. Soil Health										
and Fertility										
Management										
Soil and Water										
Testing	1	33		33			0	33	0	33
IV. Livestock										
Production and										
Management										
Dairy										
Management	1	51		51	3		3	54	0	54
Disease										
Management	1	2	17	19			0	2	17	19
Feed										
management	1	16		16			0	16	0	16
Production of										
quality animal										
products				0			0	0	0	0
V. Home										
Science/Women										
empowerment										
Design and										
development of										
low/minimum										
cost diet	1		30	30		1	1	0	31	31
Value addition	3		80	80		1	1	0	81	81
Income										
generation										
activities for										
empowerment of										
rural Women	2	3	56	59			0	3	56	59
Location specific										
drudgery										
reduction										
technologies	1		30	30			0	0	30	30
VI. Agril.										
Engineering										
Installation and										
maintenance of										
micro irrigation										
systems				0			0	0	0	0
-										•

	ı		ı		ı	T .				
Use of Plastics										
in farming										
practices	1	26		26			0	26	0	26
Repair and										
maintenance of										
farm machinery										
and implements	1	31		31			0	31	0	31
Post Harvest										
Technology	1				30	2	32	30	2	32
VII. Plant							-			
Protection										
Integrated Pest										
Management										
Iviariagement	4	23		23			0	23	0	22
linta amata al	1	23		23			U	23	U	23
Integrated										
Disease		0.5		0.5					•	0=
Management	1	25		25			0	25	0	25
Bio-control of										
pests and										
diseases	1	18		18			0	18	0	18
Production of										
bio control										
agents and bio										
pesticides	1	32		32			0	32	0	32
VIII. Fisheries										
IX. Production										
of Inputs at site										
X. Capacity										
Building and										
_										
Group										
Dynamics										
XI. Agro-										
forestry										
TOTAL										
(B) Rural Youth										
Production of										
organic inputs				0			0	0	0	0
Nursery										
Management of										
Horticulture										
crops				0			0	0	0	0
TOTAL	27	461	237	698	34	4	38	495	241	736
(C) Extension		+		300		•		1.00		1.00
Personnel										
										1
Integrated Pest	4	200		200			_	00	^	06
Management	1	26		26			0	26	0	26
Integrated										
Diseases							_		_	
Management	1	28		28			0	28	0	28
Use of irrigation										
water	1	15	10	25			0	15	10	25
Protected										
cultivation tech.				0			0	0	0	0
TOTAL	3	69	10	79	0	0	0	69	10	79
G.TOTAL	30	530	247	777	34	4	38	564	251	815
				1						

B) OFF Campus

Thematic area	No. of				F	Participa	nts				
	courses		Others		SC/ST Grand Total Male Female						
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
1	2	3	4	5	6	7	8	9	10	11	
(A) Farmers & Farm Women											
I. Crop Production											
Weed											
				0			0	0	0	0	
Management Cropping				- 0			- 0	U	U	U	
Systems				0			0	0	0	0	
Integrated				<u> </u>				0	0	0	
Farming	1	36		36			0	36	0	36	
Seed production	1	31		31			0	31	0	31	
Production of		01		- 01				- 01	0	01	
organic inputs				0			0	0	0	0	
II. Horticulture											
a) Vegetable											
Crops											
Production of											
low volume and											
high value crops	1	25		25			0	25	0	25	
Off-season											
vegetables	1	24		24			0	24	0	24	
Grading and											
standardization	1	19		19			0	19	0	19	
Protective											
cultivation											
(Green Houses,											
Shade Net etc.)	1	22		22			0	22	0	22	
b) Fruits											
c) Ornamental Plants											
d) Plantation											
crops											
e) Tuber crops											
f) Spices											
g) Medicinal											
and Aromatic											
Plants											
III. Soil Health											
and Fertility											
Management											
Soil fertility		400		400			4	407	_	407	
management	6	166		166	1		1	167	0	167	
Soil and Water				0			0	_	0	0	
Testing IV. Livestock				0			0	0	0	0	
Production and											
Management											
Dairy											
Management	1	12		12			0	12	0	12	
Poultry	1	12		14			U	12	U	12	
Management	2	40	11	51	3		3	43	11	54	
Disease		+∪	11	Ji	3		<u> </u>	70	11	J 1	
		•									

Feed										
management	3	71	28	99	4		4	75	28	103
Production of		1					-			
quality animal										
products	2	36		36			0	36	0	36
V. Home		00					0	- 00	-	- 00
Science/Women										
Household food										
security by										
kitchen &										
nutrition							•		•	0
gardening				0			0	0	0	0
Design and										
development of										
low/minimum										
cost diet				0			0	0	0	0
Value addition	3		97	97		2	2	0	99	99
Income										
generation										
activities for										
empowerment of										
rural Women	2		48	48			0	0	48	48
Drudgery										
reduction										
technologies	3		47	47		3	3	0	50	50
Rural Crafts	2		31	31			0	0	31	31
Women and								_		
child care	2		45	45			0	0	45	45
VI. Agril.	_									
Engineering										
Installation and										
maintenance of										
micro irrigation										
systems	2	55		55			0	55	0	55
Use of Plastics		- 55		- 55			0	- 00	0	- 00
in farming										
practices	1	20		20			0	20	0	20
Production of		20		20			U	20	U	20
small tools and										
	1	43		43			0	43	0	43
implements Repair and	1	43		43			U	43	U	43
Repair and maintenance of										
farm machinery	2	OF		OF	2		2	00	0	00
and implements	3	95		95	3		3	98	0	98
Post Harvest							^	_	_	_
Technology				0			0	0	0	0
VII. Plant										
Protection				-						
Integrated Pest		70		70	4		4	74	_	74
Management	3	70		70	1		1	71	0	71
Integrated										
Disease			_				_	444	_	445
Management	3	111	4	115			0	111	4	115
Bio-control of										
pests and	_	50					_	50	_	
diseases	1	52		52			0	52	0	52

Production of bio control agents and bio										
pesticides	2	50		50	1		1	51	0	51
TOTAL	51	1001	350	1351	14	5	19	1015	355	1370
(B) Rural Youth				0			0	0	0	0
TOTAL										
(C) Extension										
Personnel										
Integrated Pest Management	1	14	11	25			0	14	11	25
Training need	1	15	10	25			0	15	10	25
Crop production	1	15	9	24			0	15	9	24
Total	3	44	30	74	0	0	0	44	30	74
TOTAL	54	1045	380	1425	14	5	19	1059	385	1444

C) Consolidated table (ON and OFF Campus)

1 (A) Farmers & Farm Women I. Crop Production Integrated Crop Management Cropping Systems Integrated Farming Seed production Water management II. Horticulture a) Vegetable	2 1	3	Others Female 4	Total 5	Male 6	SC/ST Female 7	Total 8	Male 9	Female 10	Total
(A) Farmers & Farm Women I. Crop Production Integrated Crop Management Cropping Systems Integrated Farming Seed production Water management II. Horticulture	1	3								
(A) Farmers & Farm Women I. Crop Production Integrated Crop Management Cropping Systems Integrated Farming Seed production Water management II. Horticulture	1	-	4	5	6	7	8	9	10	11
Farm Women I. Crop Production Integrated Crop Management Cropping Systems Integrated Farming Seed production Water management II. Horticulture		00								
I. Crop Production Integrated Crop Management Cropping Systems Integrated Farming Seed production Water management II. Horticulture		00								
Production Integrated Crop Management Cropping Systems Integrated Farming Seed production Water management II. Horticulture		00								
Integrated Crop Management Cropping Systems Integrated Farming Seed production Water management II. Horticulture										
Management Cropping Systems Integrated Farming Seed production Water management II. Horticulture		00	L							
Cropping Systems Integrated Farming Seed production Water management II. Horticulture		~~								
Systems Integrated Farming Seed production Water management II. Horticulture	1	30		30			0	30	0	30
Integrated Farming Seed production Water management II. Horticulture	1									
Farming Seed production Water management II. Horticulture	•	23		23	1		1	24	0	24
Seed production Water management II. Horticulture										
Water management II. Horticulture	3	87		87			0	87	0	87
management II. Horticulture	1	31		31			0	31	0	31
II. Horticulture										
	1	19		19			0	19	0	19
a) Vegetable										
Crops										
Production of low										
volume and high										
value crops	1	25		25			0	25	0	25
Off-season										
vegetables	2	46		46			0	46	0	46
Grading and										
standardization	2	21	24	45			0	21	24	45
Protective										
cultivation										
(Green Houses,	_						_		_	
Shade Net etc.)	2	50		50			0	50	0	50
b) Fruits										
Cultivation of							_			
Fruit	1	26		26			0	26	0	26
c) Ornamental Plants										
d) Plantation crops										

e) Tuber crops										
f) Spices										
g) Medicinal										
and Aromatic										
Plants										
III. Soil Health										
and Fertility										
Management										
Soil fertility										
management	6	166		166	1		1	167	0	167
Soil and Water		100			•		•			
Testing	1	33		33			0	33	0	33
IV. Livestock	•									
Production and										
Management										
Dairy										
Management	2	63		63	3		3	66	0	66
Poultry										
Management	2	40	11	51	3		3	43	11	54
Disease										
Management	4	25	56	81	1		1	26	56	82
Feed										
management	4	87	28	115	4		4	91	28	119
Production of										
quality animal										
products	2	36		36			0	36	0	36
V. Home										
Science/Women										
empowerment										
Household food										
security by										
kitchen &										
nutrition										
gardening										
Design and										
development of										
low/minimum	_					_	_	_		
cost diet	1		30	30		1	1	0	31	31
Value addition	6		177	177		3	3	0	180	180
Income										
generation										
activities for										
empowerment of rural Women	4	2	104	107			_	2	104	107
	4	3	104	107			0	3	104	107
Drudgery reduction										
	1		77	77		3	2	0	80	80
technologies Rural Crafts	2		31	31		<u> </u>	3	0	31	31
Women and	۷		31	31			U	U	31	31
child care	2		45	45			0	0	45	45
VI. Agril.			40	40			U	U	40	40
Engineering										
Installation and										
maintenance of										
micro irrigation										
systems	2	55		55			0	55	0	55
Use of Plastics in		- 55		- 55				55	-	- 55
farming practices	2	46		46			0	46	0	46
ranning practices		 1 0]	70	<u> </u>	<u> </u>	U	70		-1 0

Production of										
small tools and	İ									
implements	1	43		43			0	43	0	43
Repair and		45		45			0	45	- 0	70
maintenance of	İ									
farm machinery	Í									
and implements	4	126		126	3		3	129	0	129
Post Harvest		120		120	3		3	129	- 0	123
	1				30	2	32	30	2	32
Technology VII. Plant	<u> </u>				30		32	30		32
	İ									
Protection										
Integrated Pest	4	00		00	_			0.4	0	0.4
Management	4	93		93	1		1	94	0	94
Integrated	İ									
Disease		400	4	4.40			•	400	4	4.40
Management	4	136	4	140			0	136	4	140
Bio-control of	İ									
pests and	1 .								_	
diseases	1	52		52			0	52	0	52
Production of	İ									
bio control	İ									
agents and bio	Í									
pesticides	3	82		82	1		1	83	0	83
TOTAL	78	1462	587	2049	48	9	57	1510	596	2106
(B) Rural Youth										
TOTAL										
(C) Extension	İ									
Personnel										
IPM	1	26		26			0	26	0	26
IDM	1	28		28			0	28	0	28
Use of irrigation										
water	1	15	10	25			0	15	10	25
Integrated Pest	1	14	11	25			0	14	11	25
Management	1									
Training need	1	15	10	25			0	15	10	25
Crop production	1	15	9	24			0	15	9	24
Total						1	_			
IOLAI	6	113	40	153	0	0	0	113	40	153

D) Vocational training programmes for Rural Youth :

Crop /			Identi-	Dura-	Р	No. of articipar	nts	Self	employ traini		Number of
Ente- rprise	Date	Training title*	fied Thrust Area	tion	Male	Female	Total	Type of units			employe d else
H.Sc.	1/3/11	Preparation of different bakery products		1		26	26	House hold	1	-	-
A.Sc.	22/9/11	Scientific dairy farming	Dairy farming	1	26		26	1	-	-	-

E) Sponsored Training Programmes :

			Them-	Durati	Client	No.			No.	of F	Parti	cipa	nts			Sponso-
Sr.	Date	Title	atic	on	(PF/R	of	0	the	'S	S	C/S	T		Γota		ring
No			area	(days)	•	cours es	M	F	Т	M	F	Т	M	F	Т	Agency
1	2	3														
1	26/7/11	Seed production of onion and garlic	Seed produ- ction	1	PF	1	69		69	4		4	73		73	NHRDF
2	11/10/11	Cottage level food processing entrepreneur- ship for farmers	Food proce- ssing	1	PF	1	59		59	2		2	61		61	IICPT
3	15/10/11	Scientific dairy farming	Dairy farming	1	PF	1	58		58				58		58	FTC
4	18/1/11	Scientific dairy farming	Dairy farming	1	PF	1	44		44				44		44	FTC
5	22/3/12	Control of common diseases in livestock & vaccination scheduling	Dise- ase Man- age- ment	1	PF	1	32		32				32		32	АТМА
6	28/3/12	Deworming and Vaccination in Live stock	Dise- ase Man- age- ment	1	PF	1	23		23				23		23	ATMA

3.4. Extension Activities (including activities of FLD programmes)

5.7.	LAGIISIOI		(<i>,</i>				rticip			<u></u>			
Sr. No.	Nature of Extension Activity	Purpose / topic and Date	No. of acti- vities	Farmo	ers (O	thers)	_	SC/S ⁻ arme (II)			ens ficia (III)			and T	
				M	F	Т	M	F	T	M	F	T	M	F	Т
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.		Nov.11	1	81		81	3		3	1		1	85	0	85
	Field Day	Jan.12	1	28		28			0			0	28	0	28
		Feb.12	2	63		63	3		3			0	66	0	66
	Total		4	172	0	172	6	0	6	1	0	1	179	0	179
2.	Kisan Mela (P)	Sept.11	1												
		July-11	1	22		22	1		1			0	24	0	24
		Augu12	2	18		18	1		1			0	19	0	19
	Kisan	Sept11	3	29		29			0			0	30	0	30
3	Ghosthi	Octo11	1	23		23	2		2			0	25	0	25
	Griostiii	Dec11	1	43		43	2		2			0	45	0	45
		Jan12	1	17		17			0			0	17	0	17
		Feb12	1	20		20	1		1			0	21	0	21
	Total		10	172	0	172	7	0	7	0	0	0	181	0	181
4.	Exhibition	-	-	-		-	-	-	-	-	-	-	-	-	-
		June-11	2	112	66	178			0			0	112	66	178
		July-11	2	79		79	3		3			0	82	0	82
		Augu11	1	32		32			0			0	32	0	32
		Sept11	8	575	123	698	17		17			0	592	123	715
5.	Film Show	Octo11	1	52		52			0			0	52	0	52
ļ .		Nov11	1	30		30			0			0	30	0	30
		Dec11	1	47		47			0			0	47	0	47
		Jan12	2	56		56			0			0	56	0	56
		March-12	1	47	100	47			0			0	47	0	47
	Total		19	1030	189	1219	20	0	20	0	0	0	1050	189	1239

	Method														
6.	Demonstra-														
	tions		13												
	Farmers														
7.	Seminar														
8.	Workshop														
		July-11	2	49		49	3		3			0	52	0	52
		Augu11	1	17		17			0			0	17	0	17
		Sept11	1	35		35	1		1			0	36	0	36
	Group	Octo11	1	19		19			0			0	19	0	19
9.	meetings	Dec11	2	33		33	3		3			0	36	0	36
		Jan12	2	47		47			0			0	47	0	47
		Feb12	2	39		39			0			0	39	0	39
	Total		11	239	0	239	7	0	7	0	0	0	246	0	246
	Lectures	April-11	1	25	15	40			0	1		1	26	15	41
	delivered as	May-11	2	249	10	259	31		31	1		1	281	10	291
	resource	June-11	2	210		210			0	2		2	212	0	212
	persons	July-11	2	102	5	107			0	1		1	103	5	108
		August-11	4	104	15	119	11		11	2		2	117	15	132
		Sept11	3	124	5	129	3		3	2		2	129	5	134
10.		Octo11	3	1175	82	1257	13		13	2		2	1190	82	1272
		Nov11	12	987		987	17		17	7		7	1011	0	1011
		Dec11	3	84	43	127	5	6	11	2		2	91	49	140
		Jan12	5	666	35	701	4		4	3		3	673	35	708
		Feb12	7	410	8	418	11		11	4		4	425	8	433
		March-12	3	40	66	106			0	2		2	42	66	108
	Total		47	4176	284	4460	95	6	101	29	0	29	4300	290	4590
44	Newspaper														
11.	coverage		10												
		April-11	2												
		July-11	1												
		Augu11	4												
		Sept11	2												
40	Radio talks	Oct11	1												
12.		Nov11	1												
		Dec11	1												
		Jan12	1												
		March-12	1												
	Total		14												
		May-11	1												
		June-11	1												
		Augu11	2												
	T\/ tollso	Sept11	4												
13.	TV talks	Oct11	1												
		Dec11	1												
		Feb-12	1												
		March-12	1												
	Total		12												
		April-11	2												
		May-11	1												
		June-11	2												
	Popular	July-11	1												
	Popular articles	Augu11	1												
14.	articles	Sept11	1												
		Oct11	1												
		Nov11	2												
		Jan12	1												
		March-12	1												
	Total		13												
	•			•	•		•	•		•	•				

15. Literature			ı				ı							1	1	1
Literature	15	Extension														
18. Services Scientific visit to farmers field	.0.			1												
Services Scientific visit Color April - 11 Color April - 12 Color April - 13 Color April - 14	16															
17. to farmers field 12 33 336 336 12 12 0 0 348 0 348	.0.															
Field																
April-11 12 111 111 111 0 0 0 0 0	17.															
May-11		field						12					0		0	
18. Farmers visit to KVK			April-11		111								0		0	
Farmers visit to KVK			May-11	9	13	15	28	9		9			0	22	15	37
18. Farmers visit to KVK Sept11 12 116 22 138 8 8 0 0 64 0 64			June-11	13	35		35			0			0	35	0	35
Farmers visit to KVK			July-11	48	79	32	111	7	3	10			0	86	35	121
Farmers visit to KVK			Augu11	35	61		61	3		3			0	64	0	64
10	40	Farmers visit	Sept11	12	116	22	138	8		8			0	124	22	146
Nov11	18.	to KVK		6	101		101			0			0	101	0	101
Dec11				14			157	14		14			0	171	0	171
						103			9							
Feb11																
Total																
Total						30										
19. Diagnostic visits		Total	14141 OII-12			238		228	12		n	n			_	
Diagnostic Sept-11		Total	Δμα-11			230	2314	220	12	240	-	•		2304	230	
19. visits		Diagnostic	_													
Total	19.															
Total		VISILS														
Animal An		Total	Jan-12													
Animal June-11		TOTAL	A == #1 4 4				70						0	70	0	
Animal Health Substitute Su																
20. Health Camp						9										
Camp																
Dec11	20.															
Total Jan12 3 1018 1018 37 37 0 0 1055 0 1055 Total 13 4020 28 4048 85 2 87 0 0 0 4105 30 4135 21. Soil test campaigns 1 2926		Camp				11		48	2							
Total																
21. Soil test campaigns			Jan12													
22. Campaigns				13	4020	28	4048	85	2	87	0	0	0	4105	30	4135
Campaigns Farm Science Club Conveners meet Self Help Group Conveners meetings 2	21.			1	2926											2926
22. Science Club Conveners meet 23. Self Help Group Conveners meetings 2 47 47 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5																
Conveners Conv																
Conveners Self Help Group Conveners meetings 2	22		_													
Self Help Group Conveners meetings 2																
23. Group Conveners meetings 2 47 47 3 3 3														<u> </u>		
Conveners meetings 2																
Conveners 2	23															
Mahila Mandals Conveners Mahila Mandals Mandals Conveners Mahila M			_					_	_							
24. Mandals Conveners meetings 3			2		47	47		3	3					ļ	50	50
Conveners																
Conveners	24															
Participant			_					_								
25.			3		44	44		5	5						49	49
25. Mahotsav- 11																
May-11 Celebration Celeb	25.			1		:	8 Scient	ists Pa	articin	ated i	n Krı	shi	Mah	otsav-1	1	
26. Celebration of technology week Sept11 1 521 142 663 77 77 10 1 11 608 143 751 27. Telephone helpline 1550 1550				•		•	00.0	.0.0	A1 (101)	aiou i			· · · · ·	olour i	•	
26. of technology week Sept11 1 521 142 663 77 77 10 1 11 608 143 751 27. Telephone helpline 1550 1550			May-11				ı		1	Т			1	1		ı
technology week Sept11 1 521 142 663 77 77 10 1 11 608 143 751 27. Telephone helpline 1550																
technology week Sept11 1 521 142 663 77 77 10 1 11 608 143 751 27. Telephone helpline 1550	26															
27. Telephone helpline 1550 1550		0,	_													
27. helpline 1550 1550			Sept11	1	521	142	663	77		77	10	1	11	608	143	751
nelpline 1550 1550	27	•														
Grand Total 401 15402 972 13378 525 28 553 40 1 41 12971 1001 15592	۲۰.			1550												
		Grand Total		401	15402	972	13378	525	28	553	40	1	41	12971	1001	15592

3.5 Production and supply of Technological products 2011-12 SEED MATERIALS

Sr. No.	Crop	Variety	Quantity (Kg)	Value (Rs.)	Provided to No. of Farmers
OILSEEDS	Groundnut (Breeder seed)	GG-5	3010		-
	Groundnut (Mega seed)	GG-5	2690		-
	Groundnut (Mega seed)	GG-20	565		-
	Groundnut (Breeder seed)	GG-31	1350		-
	Sesamum (Breeder seed)	GT-2	242		-
PULSES	Black Gram(Mega seed)	G-1	672		-
CASH CROP	Cotton (Bt.Cotton)	Bijdhan	2079		-

SUMMARY

Sr. No.	Crop	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	CEREALS	-		-
2	OILSEEDS	78.57		-
3	PULSES	6.72		-
4	CASH CROP	20.79		-
TOT	AL	106.08		

PLANTING MATERIALS:

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS	Different crops	-	60	3000/-	50
SPICES	0.00				
VEGETABLES					
PLANTATION CROPS					
Others (specify)					

BIO PRODUCTS

Major	Product	Species	Quant	tity	Value	Provided to
group/class	Name		No	(kg)	(Rs.)	No. of Farmers
BIOAGENTS						
BIOFERTILIZERS						
BIO PESTICIDES	Savaj	Trichoderma	5000 Kg.		3,50,000	899

SUMMERY

SI.	Product Name	Species	Qua	ntity	Value	Provided to No. of
No.	Product Name	Species	(Nos)	(kg)	(Rs.)	Farmers
1	BIOAGENTS					
2	BIO FERTILIZERS					
3	BIO PESTICIDE	Trichoderma	5000 K	g.	3,50,000	899
	TOTAL					

ORGANIC MANURE

Major	Product	Species	Quantity	Value	Provided to No. of
group/class	Name		No (kg)	(Rs.)	Farmers
VERMI	Vermi	-	500Kg.	-	Use in plantation and
COMPOST	compost		_		nursery at KVK farm

LIVESTOCK: Nil

SI. No.	Туре	Breed	Quantity		Value	Provided to No. of
			(Nos)	(Kgs)	(Rs.)	Farmers
CATTLE						
SHEEP AND						
GOAT						
POULTRY						
FISHERIES						
Others (Specify)						

3.6. Literature Developed/Published(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)

(B) Literature developed/published

Item	Title	Authors name	Number
1	2	3	4
Research papers	Training needs of Dairy farming women and constraints filed by rural women: A case study of Gujarat	Dr. J. B. Khathiriya ,and Dr. M.B.Virdiya, N.D. Polara	-
reports	Monthly Progress Report Quarterly Progress Report Moniterable Quarterly Progress Report Annual Progress Report	Krishi Vigyan Kendra, Targhadia	8
TOTAL	4		8
News letters	-	-	-
Technical bulletins	-	-	-
Popular articles	Pasu aharma minral mixture ni upyogita	Dr.J.B.Kathiriya, Dr.B.B.Kabaria	-
	Unadu talma sanklit jivat ane rog niyntran	Shri. D.V.Muchadiaya, Shri D.A.Sardava, Dr.B.B.Kabaria	-
	Pakma avta rogo nu jaivik niyntran	Shri D.A.Sardava , Shri. D.V.Muchadiaya, Dr.B.B.Kabaria	-
	Chomasa ma duthala pasuoni yogya mavjat karo.	Dr.J.B.Kathiriya, Dr.B.B.Kabaria	-
	Trichoderma aek jaivik fugnasak	Shri D.A.Sardava , Shri. D.V.Muchadiaya, Dr.B.B.Kabaria	-
	Gramiy mahilao mate posanxam ahar nu ayojan	Miss H.A.Manvar, Dr.B.B.Kabaria	-
	Trichoderma aek jaivik fugnasak	Shri D.A.Sardava , Shri. D.V.Muchadiaya, Dr.B.B.Kabaria	-

	Ahar ma kathoda nu mahatva ane	Miss H.A.Manvar,	-
	teni vangiyo	Dr.B.B.Kabaria	
	Pasu oma chamdi na rogo na	Dr.H.N.Sudani ,Dr.J.B.Kathiriya	-
	ghargathu upyog		
	Pasu oma chamdi na rogo na	Dr.J.B.Kathiriya, Dr.B.B.Kabaria	-
	ghargathu upyog		
	Rajkot jilanu krushi yatra dham-	Dr.J.B.Kathiriya, Dr.B.B.Kabaria	-
	KVK, Targhaida		
	Pranione thata chamadina rogoma	Dr.H.N.Sudani ,Dr.J.B.Kathiriya	-
	upyogi ghargathu aushadh		
	Pranione thata chamadina rogoma	Dr.H.N.Sudani ,Dr.J.B.Kathiriya	-
	upyogi ghargthu ausadho		
TOTAL	4		
Extension	Glimpses of decade	Dr.B.B.Kabaria, Dr.J.B.Kathiriya	1000
literature			

(C) Details of Electronic Media Produced: - Nil -

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

3.7 Success stories/Case studies, if any

Success Story 1

Introduction of an alternate crop (Mint) for getting higher return

Name of the farmer: Devrajbhai Sojitra

Village: Kuwadava Tehsil: Rajkot Dist: Rajkot Land: 3 acre

Mobile Number: 9427431807



Farmer of kuvadava village comes in contact with KVK Rajkot for getting more return from his traditional cultivation. He inspired by KVK, Targhadia to cultivate mint crop, which is used in ayurvedic medicine (fudinhara) instead of traditional crops viz, cotton, garlic and groundnut. He was provided all the information such as cultural practices, market facility etc. The farmer was convinced through the information provided by the scientists of KVK and started cultivating of mint crop during 2009. The product was sold directly to trader at Ahmadabad.

He earned the gross income of Rs.2 lac with net profit of 1.2 lac/acre. The income is quite high compared to the income from traditional crops. Hence this new crop can be cultivated as an alternate crop with good remuneration. By observing this practice, number of farmers (10) has initiated the cultivation of mint crop in this area.





Success Story 2

Quality Wheat (GW-366) Production

Name of the farmer : Jayantibhai Lunagaria

Village : Sarapdad
Tehsil : Padadhari
District : Rajkot

Mobile No. : 9725334921



Jayantibhai wanted to do something different from traditional production. Under the guidance of KVK Rajkot, he produced quality wheat. He got considerable boost more income through this quality wheat production.

Jayantibhai is a medium land holding farmer of Sarapdad village. The main problem in the area is poor quality wheat production i.e black tip on kernel which resulted in low price of produce. He came in contact with KVK, Rajkot. He also attended on campus as well as off campus training organized by KVK. He was inspired in trainings to produce wheat with improved techniques.

He cultivated wheat in 2 ha. of land with all recommended practices of Junagadh Agricultural University and also he sprayed mencozeb (Dithane -M-45 @26gm/10 lit) at milky stage of wheat with 2 per cent urea. He produced 5200 kg/ha wheat with best quality. He sold the wheat at Rs.1400/quintal with a net profit of Rs. 18000/. The average selling rate is about Rs.1200/quintal

Jayantibhai Says "There is no age for learning, one can learn at any age"

Success Story 3

Drip Irrigation System in Chilly brings economic prosperity

Name of the : Ambabhai Jivabhai Sinojiya

farmer

Village : Hadmatia
Tehsil : Tankara
District : Rajkot

Mobile No. : 9879662130

Ambabhai is very innovative and progressive farmer of the village Hadmatia. He attends the majority of the training programmes organized by KVK Rajkot and implements the innovative strategies in his field. With the technical guidance & support from KVK, he cultivated the chilly (Var. Bijo Shital -213) with drip irrigation system in 4 acre at his farm and got total production of 12000 Kgs. He earned total Rs.300000/-(Three Lac Rs) with a net profit of Rs.250000/-(Rupees Two lac & fifty thousand). This cultivation has raised the living standard of Ambabhai and social status. Ambabhai is now the icon of chilly cultivation in Rajkot district.

Success Story 4

An effective approach for the management of groundnut stem rot

Name of the : Chhaganbhai Jadavjighai Sorathia

farmer

Village : Derio
Tehsil : Rajkot
District : Rajkot

Mobile No. :

Cotton and groundnut are the major crops of this region. Farmers are growing high yielding groundnut variety GG-20 but main construnt of growing groundnut GG-20 is stem rot. Chhaganbhai coming in contact with KVK since last two years. He took interest to use Trichoderma in groundnut. We advice him to use Trichoderma @ 2.5kg/acre with castor cake @300kg/ha. He adopt this practice from Kharif-2009 he got significant result. He also use Trachoderma in Kharif 2010 also, harvest pod yield of groundnut 2120kg/ha an average yield (Village) 1900kg/ha.

As result of front line demonstration by KVK scientist an active role of Mr. Chhaganbhai, other farmer of the village are also convinced to adopt scientific technology for higher groundnut production.

Impact :- With the use of Trichoderma in groundnut farmer can be manage stem rot and obtained additional yield.

Success Story 5

Bumper profit - Use of plastic mulch with drip irrigation in watermelon cultivation

Name of the : Dhirubhai Sothabhai Kagadia

farmer

Village : Saipar Tehsil : Rajkot District : Rajkot

Mobile No. : 9687830314



Farmer of Saipar village comes in contact with KVK Rajkot for getting more return from his traditional cultivation. He inspired by KVK, Targhadia and Deptt. of Horticulture, Rajkot to cultivate watermelon using plastic mulch and drip irrigation instead of traditional method. He was provided all the information such as cultural practices, use of plastic as a mulch with drip irrigation. The farmer was convinced through the information provided by the scientists of KVK and started cultivating of watermelon and got total production of 25000 kgs from 0.5 ha land during summer 2011. The product was sold directly to local trader at good rate.

He earned the gross income of Rs. 2.5 lac with net profit of 2.0 lac from 0.50 ha land within three months only. The income is quite high compared to the income from traditional crops. By observing this practice, number of farmers has initiated the cultivation of watermelon using plastic mulch with drip irrigation in this area. This cultivation has raised the living standard of Dhirubhai and he is now the icon of watermelon cultivation in Rajkot district.





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

- Use of cow urine, butter milk, ash, bajra flour etc for insect pest and disease management.
- Use of small or wrinkle seed of groundnut for sowing purpose.
- Farmers grow maize as a mixed crop in groundnut and inter crop in cotton.
- Cotton Stalk Shredder
- Wheel Hoe
- Cotton Stalk Puller
- Tractor mounted spryer
- Chaff Cutter for Minimizing the Animal Fodder Waste
- IPM in Cotton-Use of Trap crop, pinger crop, Pheromone trap, etc.
- Gasify Plant- Use of Non-conventional Energy source.
- Biogas Plant
- Minimizing the chemical Fertilizer and Maximizing organic manure in Cotton crop
- Value addition in agriculture crops.

3.9 Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Groundnut	Farmers maintain a set furrow system	
		and apply manure and fertilizer every	
		year in the same furrow.	succeeding crop
2	Groundnut	Some farmers near the river bed apply	
		sand in the set furrow for increasing	
		infiltration rate of the soil	the field
3	Kharif	Farmer apply supplementary irrigation to	0 0
	crops	the crops during moisture stress	to minimize the risk of
		condition	crop failure
4	Cotton	Farmers grow Maize after 3-4 rows of	To increase the natural
		cotton	enemies and fodder
			fodder purpose
5	Cotton	After heavy rain, farmer apply irrigation to	To balance the salt
		balance the salt concentration at top of	concentration
		soil	
6	Groundnut	Farmers grow maize as mix crop in	To increase natural
		groundnut	enemies & fodder
			purpose

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

- Identification of courses for farmers/farm women
- Rural Youth
- In-service personnel

3.11 Field activities

i. Number of villages adopted : 15
ii. No. of farm families selected : 250
iii. No. of survey/PRA conducted : -

3.12. Activities of Soil and Water Testing Laboratory

1. Status of establishment of lab2. Year of establishment2007-08

3. List of equipments purchased with amount :

Sr. No	Name of the Equipment	Qty.	Cost
	-		
Total			

^{*} All the necessary chemicals and equipments purchased

3.13 Details of samples analyzed so far (April.-11 to March.-12)

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil Samples	2926	2926	-	146300/-
Water Samples	2926	2926	-	146300/-
Plant Samples	-	-	-	
Petiole Samples	•	-	-	
Total	5852	5852		292600/-

4. IMPACT

4.1. Impact of KVK activities

Name of specific	No. of	% of	Change in income (Rs)	
technology/skill transferred	participants	adoption	Before (Rs/unit)	After(Rs/unit)
Cumin Variety (GC-4)	232	84	30000	45000
Improved variety of Gram (GG-2)	157	72	27500	35000
Wheat variety (GW-496, 366)	268	52	32500	37500
Use of Trichoderma culture powder for the control of stem rot in groundnut	347	57	28125	31500

4.2. Cases of Large scale adoption

- ✓ Adoption of *Trichoderma* culture powder for the management of stem rot disease
 in groundnut
- ✓ Adoption of *Bt.* cotton varieties with INM and IPM concepts.
- ✓ Farmers prefers to sow semi spreading and high yielding variety of groundnut i.e. GG-20
- ✓ Most of the farmers adopt new variety of cumin (GC-4) which is resistant to wilt disease
- ✓ Intercropping/mix cropping in groundnut and cotton was adopted for minimize the risk factor in dry land agriculture with preservation of natural enemies.
- ✓ Farmers are ready to use of rotavator/ cotton shredder/ mobile chopper for increasing the organic matter in soil particularly in Bt. Cotton cropping system.

4.3. Details of Impact analysis of KVK Activities carried out during the reporting period:-

5.0 LINKAGES

5.1 Functional linkage with different organizations

Sr. No.	Name of organization	Nature of linkage
1.	Dy. Director of Agriculture.	Most of the
2.	Dy. Director of Agril. Extension (FTC)	Organizations are
3.	Dy. Director of Horticulture	members of Scientific
4.	Dy. Director of Animal Husbandry	Advisory Committee
5.	Dy. Director of Soil Conservation	(SAC) of KVK and
6.	Dy. Director of Social Forestry	have linkage with
7.	Jilla Udhyong Kendra	different activities of
8.	Milk Co-Operative Society (Gopal Dairy)	KVK viz., Training
9.	Bank of Baroda	Programme, Khedut
10.	National Bank for Agriculture & Rural Development	Sibir, Farmers day,
	(NABARD)	Animal treatment
11.	NHRDF	Camp, Farmers fair,
12.	Doordarshan Kendra	Film Show, Ex-
13.	All India Radio	training meeting and Soil health card etc.
14.	WALMI	
15	Dy. Director of District Rural Development Agency	
	(DRDA)	
16.	ATMA	

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

Sr.No.	Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
1	Agricultural technology information centre (ATIC) – BH 101572-02	Sept-2004	ICAR,New Delhi	1,00,000
2	Transfer of technology (TOT) BH 10571-02	March-2007	Govt. of Gujarat	70,000
3	National Information System for Pest Management (Bt Cotton) – BH 2043	March-2007	Govt. of Gujarat	6,00,000
4	Popularization of MIS in SSNNL Maliya branch sub canal – BH 18005-03	Jun2010	SSNNL, Gandhinagar	5,55,645
5	National Initiative on climate Resilient Agriculture (NICRA) – BH 2704-47	March-2010	CRIDA, Hyderabad	25,28,249
6	Seed Village BH- 18018-08	March-2010	ICAR-New Delhi	8,00,000

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

Sr.No.	Programme	Nature of linkage	Remarks
1	Farmers meeting(4)	Linkage with different activities of KVK viz.,	-
2	Training (15)	Training Programme, Khedut Sibir, Farmers	
		meeting, Farmers fair, Film Show etc.	

5.4 Give details of programmes implemented under National Horticultural Mission

Sr.No.	Programme	Nature of linkage	Constraints if any
1	Lecture delivered in farmers training	Linkage with different activities of KVK viz., Training Programme, Khedut Sibir,	-
	programme	Farmers fair, Film Show etc.	

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
		-	

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

		Year		Details of	of produc	ction	Amount	(Rs.)	ks
Sr. No.	Demo Unit	of estt.	Area	Variety	Produce	Qty.	Cost of inputs	Gross Income	Remarks
1	Water Harvest Structure	2001	40x 30x 15 mt	-	-	ı	1	-	-
2	Arid Horticulture	-	-	Guj. Aonla -1	Fruit	1.0	ı	1500	-
3	Soil Testing Lab	2006	-	-	-	-	710000	-	-
4	Bio Gas Plant	2006	-	-	-	-	42000	-	-
5	Tractor mounted sprayer	2007	-	-	-	-	43000	-	-
6	Dibbler	2007	-	-	-	-	900	-	-
7	Cotton Stalk Shredder	2007	-	-	-	-	43000	-	-
8	Cotton Stalk Puller	2007	-	-	-	-	1200	-	-
9	Wheel Hoe	2007	-	-		-	1260		-
10	Veterinary mobile unit	2008	-	-	-	-	600000	-	-
11	Processing unit	2009					1685000		

6.2 Performance of instructional farm (Crops) including seed production

			(ha)	Details	of produc	tion	Amou	nt (Rs.)	(S
Name Of the crop	Date of sowing	Date of harvest	Area (h	Variety	Type of Produce	Qty. (kg)	Cost of inputs	Gross income	Remarks
Cereals : nil									
Pulses									
Black Gram	16/7/11	8/10/11	1.0	G-1	Seed	648	18000	29160	-
				Mega	B Grade	24		840	-
				Seed	Fodder	210		420	-
Oilseeds									-
Groundnut	12/7/11	30/10/11	4.45	GG-5	Pod	2580	115700	162540	-
				Breeder	B Grade	430		19350	-
				seed	Fodder	5500		41250	-

Groundnut	8/7/11	25/10/11	4.25		Pod	2280	110500	118560	-
				Mega	B Grade	410		18450	-
				Seed	Fodder	5100		38250	-
Groundnut	14/7/11	3/11/11	1.11	GG-31	Pod	1350	28860	85050	-
				Breeder	B Grade	-		-	-
				seed	Fodder	1150		8625	-
Groundnut	12/7/11	5/11/11	0.80	GG-20	Pod	418	20800	21736	-
				Mega	B Grade	147		6615	-
				seed	Fodder	1500		11250	-
Sesamum	2/8/11	17/10/11	1.88	GTill-2	Seed	196	41360	17640	-
				Breeder	B Grade	46		2760	
Cotton	12/7/12	27/12/11	0.80	Bijdhan- 5	Cotton	2079	30500	90975	-
Total Incom	Total Income								-

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

Sr.	Name of		Amoui	nt (Rs.)			
No.	the Product	Qty	Cost of inputs	Gross income	Remarks		
	- NIL -						

6.4 Performance of instructional farm (livestock and fisheries production)

	Name	Deta	ils of produc	tion	Amoun	t (Rs.)	
Sr. No	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
	- NIL -						

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Title of the	Client	No. of		of Particip		SC/S	No. of STParticip	ants
training course	(PF/RY/ EF)	Courses	Male	Female	Total	Male	Female	Total
Rain water harvesting & their efficient use for crop production	PF.	1	21	-	21	-	-	-

6.5 Utilization of hostel facilities: Hostel facility is not available with KVK Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)					
	Construction work is under progress							

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute	SBI	Junagadh	-
With KVK	SBI	Rajkot	10353003175

7.2. Utilization of KVK funds during the year 2011 – 12 (Rs in Lakh)

S.N.	Particulars	Sanctioned	Released	Expenditure
1	2	3	4	5
A. Re	curring Contingencies			
1	Pay & Allowances	85.00	105.00	58.82
2	Traveling allowances	1.50	1.50	0.56
3			С	ontingencies
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) POL, repair of vehicles, tractor and equipments	3.20	3.20	3.31
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained) Training material (posters, charts,			
	demonstration material including chemicals etc. required for conducting the training)	2.60	2.60	2.71
E F	Training of extension functionaries			
	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	1.80	1.80	1.85
G	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1.00	1.00	1.00
Н	Maintenance of buildings	0.40	0.40	0.00
	TOTAL Contingencies	8.00	8.00	7.87
	TOTAL (A)	94.50	114.50	67.25
B. No	on-Recurring Contingencies			
	Equipments & Furniture			
1	a) Furniture for office building & farmers hostel	5.00	5.00	4.91
	b) EPBAX system with accessories	0.50	0.50	0.31
	c) Plant Helth Diagnostic facility	10.00	10.00	9.31
	Total	15.50	15.50	14.53
2	Works	20.00	0.00	0.00
3	Library (Purchase of assets like books & journals)	0.00	0.00	0.00
4	Vehicle	0.00	0.00	0.00
	TOTAL (B)	35.50	15.50	14.53
C. RE	EVOLVING FUND	-	-	
	GRAND TOTAL (A+B+C)	130.00	130.00	81.78

7.3 Status of revolving fund (Rs.) for the three years

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2009 to March 2010	433200	859158	340066	952292
April 2010 to March 2011	952292	517192	519673	949811
April 2011 to March 2012	949811	1012035	1092908	868938

8.0 Please include information which has not been reflected above (write in detail).

8.1 Constraints

(a) Administrative

1. Transportation vehicle is prime need for farmers, farm women and rural youth specially during training programme.

(b) Financial

- 1. Budget allotment is not sufficient against expenditure estimated for pay allowance.
- 2. There is confusion in delegation of power for revalidation of unspent balance.
- 3. Provision of special grant for farm development is necessary in budget allotment.

(c) Technical

1. Supporting staff for farm management and soil and water testing lab is Necessary.