PROGRESS REPORT
(1st April 2009 to 31st March 2010)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Krishi Vigyan Kendra, Junagadh Agricultural University, Khapat-360579, Porbandar (Gujarat)	Office 0286- 2912562	FAX 0286- 2242416	kvk_khapat@yahoo.co.in

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

Address	Telephone		E mail
	Office	FAX	
Junagadh Agricultural University Junagadh-362001 (Gujarat)	(1)0285- 2671784 (2)0285- 2672080-90	(1) 0285- 2672004 (2) 0285- 2672653	

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Mr. R. K. Odedra	-	09825280843	rkodedra@jau.in

1.4. Year of sanction: February, 2005

1.5. Staff Position (as on 15th August 2010)

Sr. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale	Pres. Basic	Date of joining	Category
1	Programme Coordinator	R. K. Odedra	I/c Programme Coordinator	Horticulture	15600-39100	21600	1-06-09	OBC
2	Subject Matter Specialist	P. J. Gohil	Subject Matter Specialist	Agronomy	15600-39100	24320	21-8-06	OBC
3	Subject Matter Specialist	R. B. Vadher	Subject Matter Specialist	Entomology	15600-39100	24320	19-8-06	OBC
4	Subject Matter Specialist	H. R. Vadar	Subject Matter Specialist	Agril. Engg. (SWE)	15600-39100	24320	22-8-06	OBC
5	Subject Matter Specialist	D. S. Thakar	Subject Matter Specialist	Home Science	8000-13500	8000 (5th pay)	22-8-06	Others
6	Subject Matter Specialist	S. R. Thaker	Subject Matter Specialist	Fisheries	8000-13500	8000 (5th pay	31-8-06	Others
7	Subject Matter Specialist	R. K. Odedra	Subject Matter Specialist	Horticulture	15600-39100	21600	1-06-09	OBC
8	Programme Assistant	Vacant	-	-	9300-34800	-	-	-
9	Computer Programmer	J. J. Naliyapara	Computer Programmer	-	9300-34800	6000 (Fix)	12-6-08	OBC
10	Farm Manager	Vacant	-	-	9300-34800		-	-
11	Accountant / Superintendent	B. S. Bokhariya	Office Superintendent	--	9300-34800	6000 (fix)	18-6-08	OBC

12	Stenographer	Vacant	Stenographer	-	5200-20200	-	06-02-09	OBC
13	Driver	Vacant	Driver	-	5200-20200	-	-	-
14	Driver	Vacant	Driver	-	5200-20200	-	-	-
15	Supporting staff	B. M. Vyas	Peon	-	4440-7440	8610	01-6-05	Others
16	Supporting staff	N. S. Chavda	Peon	-	4440-7440	3500 (Fix)	28-2-08	ST

1.6. Total land with KVK (in ha) : 20.59

Sr. No.	Item	Area (ha)
1	Under Buildings	0.95
2.	Under Demonstration Units	1.10
3.	Under Crops	12.76
4.	Orchard/Agro-forestry	2.42
5.	Others	3.36

1.7. Infrastructure

A) Building

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	13/10/07	588	-	-	-	completed
2.	Farmers Hostel	ICAR	31/7/08	288	-	-	-	completed
3.	Staff Quarters (6)	ICAR	24/11/07	446	-	-	-	completed
4.	Demonstration Units	ICAR	-		-	-	-	Proposed
5	Fencing	ICAR	2009	500 RM	-	-	-	completed
6	Threshing floor	ICAR	2009	900	-		-	completed
7	Farm godown	ICAR	2009	129	-		-	completed
8	Open well	ICAR	-	6 m dia.	-	-	-	In progress

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor (Farmtrac)	2005	380000	2900 Hours	Good
Bolero Jeep	2005	496000	165000 Km	Good

C) A. Equipments & AV aids procured under KVK

Fax machine	2008-09	17200	Running
LCD projector	2008-09	100000	Running

B. Equipments & AV aids procured under RKVY

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Zerox machine	2008-09	124000	Running
R.O. plant	2008-09	24450	Running
Hcl laptop computer	2008-09	47,500	Running
Food processor	2008-09	5,495	Running
Multipurpose bullock drawn pipe frame implement head peace	2008-09	27,500	Running
Rotavator tractor operated	2008-09	96,000	Running
Planter tractor operated	2008-09	44,000	Running
Tractor drawn harrow cum cultivator cum intercultivator frame 86"	2008-09	37,500	Running
Samsung double door refrigerator	2008-09	17,650	Running
Electrolux grill microwave / oven	2008-09	9,580	Running
Panasonic LCD projector	2008-09	103,912	Running
Multi purpose groundnut cum wheat thresher	2008-09	114,000	Running
Cotton shredder	2008-09	242,000	Running
Solar street light	2008-09	28,000	Running
Solar lanterns	2008-09	4,800	Running
Solar cooker	2008-09	3,300	Running
Mobile seed grading unit	2008-09	1,685,000	Running
Decorticators	2008-09	95,850	Running
Winnowing fan	2008-09	8,500	Running
Chaff cutter	2008-09	30,188	Running
High tech sprayer pump	2008-09	1,850	Running
Battery operated sprayer pump	2008-09	4,940	Running

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

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	1-09-2009	1. Dr. R. L. Savaliya, DEE, JAU, JND 2. Dr. J. B. Mishra. Director, DGR, Junagadh 3. Dr. I. U. Dhruj, Associate director of Research, JAU, Junagadh 4. Dr. Chunilal, Sr. Scientist, DGR, 5. Junagadh 6. Shri N. M. Shukla, DAO, Porbandar 7. Shri V. K. Patel Astt.. Director of Horticulture, Porbandar 8. Dr. P. C. Malli, Superintendent of	1. Promote new variety of gram GG-3 through FLDs & sesame GT-3 for summer 2. Trainings on fish processing & value addition 3. To conduct collaborative trainings on Animal Husbandry with dept	1. FLDs on these improved varieties were conducted with adoption of improved package of practices. 2. Incorporated in action plan 3. Organized according to the schedule of the line department 4. It has already been

		Fisheries, Porbandar 9. Shri R. N. Padshala Office of Dy. Director (Extension), Porbandar 10. Smt. Ramilaben Vaghela Dy, Director (FTC), Porbandar 11. Shri S. M. Khara, Forest, Department, Porbandar 12. Dr. B. B. Kabaria Training Organizer, KVK, Targhadia 13. Dr. D. S. Kelaiya DEE Office, JAU, Junagadh 14. Shri V. B. Daslaniya Prog. Exe. AIR, Rajkot 15. Shri K. B. Solanki Prog. Head, Doordarshan, Rajkot 16. Shri K. B. Raval Dy. Director, Anima Hus. Porbandar 17. Shri R. B. Thanki, Asst. Research Scientist, CRS, Khapat 18. Rameshbhai Bhalodiya, At: Ishwariya, Ta: Kutiyana, Dist: Porbandar 19. Shri Hathiya A. Odedara, At: Bharvada, Ta & Dist :Porbandar 20. Smt. Rekhaben A. Bhalodiya, At: Ishwariya, Ta: Kutiyana, Dist: Porbandar 21. Smt. Bhartiben K. Joshi, At: Khapat, Ta & Dist : Porbandar 22. Shri Arjanbhai Karavadra, Director, APMC, Porbandar 23. Dr. K. P. Baraiya Training Organizer, KVK, Jamnagar 24. Dr. M. S. Gajera Research Scientist MDRS, Targhadia	4. To conduct trainings on repairing of farm machineries	incorporated in the action plan

2. DETAILS OF DISTRICT

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

Sr. No	Farming system/enterprise
1.	Rainfed Farming System

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

Sr. No	Agro-climatic Zone	Characteristics
1.	South Saurashtra	**Porbandar** district is located between 21° to 22° N latitude and 69° to 70° E longitude.**Khapat**- N 21° 40' 12" and E 69° 37' 14" **Soil:** medium black & silty loam with calcareous in nature **pH:** of the soil is ranging from 8.01 to 8.58 **Water:** Ec value up to 8.1 mm / cm **Average Rainfall:** 459.5 mm **Temperature Range:** 35.3° C to 16.9 °C

Sr. No	Agro ecological situation	Characteristics
1.	Shallow black soil with low rainfall	Soil: Sandy clay loam to clay Rainfall: <750 mm
2.	Hilly soil with low rainfall	Soil: Sandy clay loam to sandy clay Rainfall: <750 mm
3.	Medium black soil with low rainfall	Soil: Sandy clay to clay Rainfall: <750 mm
4.	Deep black soil with low rainfall (Ghed)	Soil: clay Rainfall: <750 mm
5.	Mix red & black soil with medium rainfall	Soil: Sandy clay loam to clay loam Rainfall: 750-1000 mm

2.3 Soil type/s

Sr. No	Soil type	Characteristics	Area in ha
1.	Sandy clay loam to clay	Rainfall: <750 mm	34000
2.	Sandy clay loam to sandy clay	Rainfall: <750 mm	46000
3.	Sandy clay to clay	Rainfall: <750 mm	38200
4.	Clay	Rainfall: <750 mm	74000
5.	Sandy clay loam to clay loam	Rainfall: 750-1000 mm	4800

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

Sr. No	Crop	Area (ha)	Production (MT)	Productivity (Kg/ha)
1	Groundnut	91960	126445	1375
2	Cotton	4815	9027	1875
3	Wheat	1150	3306	2875
4	Cumin	25800	22136	858
5	Gram	14810	20986	1417
6	Pearl millet	1220	2400	1967
7	Sorghum	6800	8751	1287

2.5. Weather data

MONTH	Min. Temp.	Max. Temp.	Min. Humidity.	Max. Humidity.	Rainfall (mm)	Rainy days
Jan-09	16.20	29.08	32.29	74.26	-	-
Feb-09	17.04	30.98	31.14	77.64	-	-
Mar-09	20.25	33.35	36.55	87.03	-	-
Apr-09	22.98	36.76	28.83	79.90	-	-
May-09	26.41	33.24	59.03	84.68	-	-
Jun-09	27.61	33.03	63.60	83.17	231	7
Jul-09	26.51	30.49	76.26	89.65	880	15
Aug-09	26.66	30.31	73.48	86.26	75	4
Sep-09	24.56	31.08	67.10	85.07	0.5	-
Oct-09	21.71	33.25	46.26	75.68	-	-
Nov-09	18.69	32.98	25.75	68.23	-	-
Dec-09	16.74	29.72	29.35	70.68	-	-
Average/Total	**22.14**	**32.02**	**47.62**	**80.22**	**1187**	**26**

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

Category	Population	Production	Productivity
Cow	83108	-	-
Buffalo	105346	-	-
Sheep	22649	-	-
Goats	22325	-	-
Poultry	2069	-	-
Fish	-		-
Marine	10678 (Fisherman)	62628 mt (Capture)	-
Shrimp / Fish			-

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.	Porbandar	Cluster I	1. Visavada 2. Vadala 3. Bagvadar 4. Advana 5. Boricha	Groundnut Cotton Sorghum Wheat Cumin Coriander	• Stem/collar rot of groundnut • Cumin blight • Sucking pest and mealybug in cotton • Salinity ingress	• IPM • Improved package of practices • IDM • Problematic soil • Poor quality water
2.	Ranavav	Cluster II	1. Hanumangadh 2. Bileshwar 3. Bordi 4. Kandorana 5. Bapodar	Groundnut Cotton Sorghum Wheat Cumin	• Stem/collar rot of groundnut • Cumin blight • Sucking pest and mealybug in cotton • Fruit fly in Mango & Ber	• IPM • Improved package of practices • IDM • Horticulture
3.	Kutiyana	Cluster III	1. Ishwariya 2. Khageshri 3. Chauta 4. Mahiyari 5. Amipur	Groundnut Cotton Castor Sorghum Wheat Cumin Gram	• Stem/collar rot of groundnut • Cumin blight • Sucking pest and mealybug in cotton • Salinity & water logging in Ghed	• IPM • Improved package of practices • IDM • Problematic soil

2.8 Priority thrust areas

Sr. No	Discipline	Thrust area
1	Crop production	• Improved package of practices • Improved varieties • Organic farming • INM
2	Horticulture	• Improved package of practices for different spices • PHT in fruits and vegetable • INM in orchards
3	Agriculture Engineering	• Efficient use of water & Ground water recharge • PHT and value addition • Renewable Energy

4	Plant Protection	• Integrated Pest and Diseases management • Storage pest Management • Biological control of Pest and Diseases
5	Home science	• Skill oriented activities ▪ Sewing and embroidery ▪ Handicrafts • Value addition ▪ Fruits and vegetable preservation ▪ Preparation of bakery products
6	Fisheries	• Sea weed cultivation • Fresh water aquaculture • Brackish water aquaculture

3. TECHNICAL ACHIEVEMENTS

3. A Details of target and achievements of mandatory activities by KVK during 2009-10

OFT				FLD			
1				2			
Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
4	4	10	10	9	9	140	135

Training				Extension Activities			
3				4			
Number of Courses		Number of Participants		Number of Activities		Number of Participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
94	94	2350	2566	14	17	4000	6732

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
150	168	-	-

3. B Abstract of interventions undertaken

Sr. 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.	IPDM	Groundnut	• Stem/collar rot • *Aflatoxin* • Storage pest	Application method of *Trichoderma*	--	• Seed Treatment in groundnut • IPM in groundnut	--	Training, KIsan goshtjy, Tele. helpline, Prob. Diag., Field Day	*Trchoderma*,
2.	Water Conservation	Groundnut	Water stress due to frequent dry seplls	In-situ moisture conservation in groundnut	--	• in-situ moisture conservation	--	-do-	Seed
3	INM	Mango	Poor fruit quality due to nutrient deficiency	INM in Mango	-	-	-	-do-	Fertilizer
4	IPM	Mango	Heavy economical loss due to damage by fruit fly and impaired the quality of fruit	Integrated Management if fruit fly	-	-	-	-do-	Methyl Eugenol traps

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	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management						1				1
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management						1				1
Integrated Disease Management		1								1
Resource conservation technology		1								1
Small Scale income generating enterprises										
TOTAL										4

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

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

***** *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: **NIL**

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: NIL

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 each On Farm Trial to be furnished in the following format

A. Technology Assessment

On Farm Trial: 1

1. Title of on-farm trials

Application method of *Trichoderma* against stem rot disease in groundnut

2. Problem diagnose

Farmers are either not using fungicides or using fungicides in improper way for seed treatment to protect the crop against soil/seed borne diseases.

- **Reasons for low yield of groundnut**

1. Lower plant population
2. Disease infestation
3. Lack of awareness about recommended package of practices

3. Details of technologies selected for assessment/refinement

Technology: Application of *Trichoderma*, a biological agent for management of stem rot disease in groundnut.

I. No application of *Trichoderma* - **Farmer's practice**
II. Mix *Trichoderma* @ 2.5 kg/ha with castor cake @ 500 kg/ha at the time of sowing – **Recommended practice**
III. Mix *Trichoderma* @ 2.5 kg/ha with 500 kg FYM and fine sand and side application of groundnut row 30 days after sowing in moist condition – **Intervention**

4. Source of technology

Recommended by Junagadh Agricultural University, Junagadh

5. Production system and thematic area

- Rainfed Production System
- Biological control of stem rot in groundnut

6. Performance of the Technology with performance indicators

- Reduction in plant mortality
- Decrease in Disease index
- Economics

7. Final recommendation for micro level situation: Awaited
8. Constraints identified and feedback for research: Nil
9. Process of farmers participation: Training and different extension activities
10. Farmers' reaction: Satisfactory

11). Results of On Farm Trials

OFT – 1

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement done	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Groundnut	Rainfed	Stem rot	Application method of *Trichoderma* in Groundnut	3	Management of stem rot in Groundnut	Yield, Disease incidence	Yield, Stem rot incidence	Yield increase by 12.3 %	Satisfactory	No	--

Technology Assessed / Refined	Production per unit (kg/ha)	Stem rot incidence (%)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17
No application of *Trichoderma* - **Farmer's practice**	1566	10.66	21282	1:2.01
Mix *Trichoderma* @ 2.5 kg/ha with castor cake @ 500 kg/ha at the time of sowing – **Recommended practice**	1831	6.33	28437	1:2.35
Mix *Trichoderma* @ 2.5 kg/ha with 500 kg FYM and fine sand and side application of groundnut row 30 days after sowing in moist condition – **Intervention**	1759	4.52	27439	1:2.37

On Farm Trial: 2

1. Title of on-farm trials

In situ Soil moisture conservation practices for rainfed groundnut

2.Problem diagnose

Farmers are not aware of in situ moisture conservation practices and importance of proper tillage practices.

Reasons for low yield of groundnut

1. Improper Tillage
2. Erratic rainfall and lack of moisture conservation practices
3. Lack of awareness about recommended package of practices

3. Details of technologies selected for assessment/refinement

Technology:

Optimum tillage practice for moisture conservation in rainfed groundnut.

i) Shallow tillage with 7-8 interculturing – **Farmer's practice**

ii) Deep tillage with 2-4 inter culturing - **Recommended Practice**

iii) Medium tillage with 4-5 inter culturing – **Intervention**

4. Source of technology

Recommended by Junagadh Agricultural University

5. Production system and thematic area

- Rainfed Production System
- *In situ* moisture conservation

6. Performance of the Technology with performance indicators

- Moisture content
- Growth and Yield
- Economics

7. Final recommendation for micro level situation: Awaited

8. Constraints identified and feedback for research: Nil

9. Process of farmers participation: Training and different extension activities

10.Farmers' 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	Results of assessment	Feedback from the farmer	Any refinement done	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Groundnut	Rainfed	Moisture stress	*In-situ* moisture conservation practices for rainfed groundnut	3	Deep tillage with 2 - 4 interculturing in Groundnut	Yield, Moisture Content	Yield, Moisture Content	Yield increase by 16.02 %	Satisfactory	No	--

Technology Assessed / Refined	**Production per unit(kg/ha)**	**Moisture content (%)**	**Net Return (Profit) in Rs. / unit**	**BC Ratio**
13	14		15	16
Shallow tillage with 7-8 interculturing – **Farmer's practice**	1560	14.6	21120	1:2.00
Deep tillage with 2-4 inter culturing - **Recommended Practice**	1720	17.8	25440	1:2.21
Medium tillage with 4-5 inter culturing – **Intervention**	1810	17.1	27870	1:2.33

On Farm Trial: 3

1. Title of on-farm trials: Integrated Nutrient Management in Mango
2. Problem diagnose: Farmers are either using organic manures only or only inorganic fertilizers with improper method and time of application.

Reasons for low yield of mango

- Improper selection of variety at the time of orchard establishment
- Improper management of orchard
- Alternate bearing
- Lack of awareness about recommended package of practices
- Affect of diseases and pests

Problem solutions:

- Proper selection of variety at the time of orchard establishment
- Proper management of orchard
- Reduce crop load at the time of fruiting i.e., on year
- Application of recommended package of practices
- Control over diseases and pests by spraying, dusting and drenching of different fungicide, insecticide and bactericides.

3. Details of technologies selected for assessment/refinement

Treatments:

1. Use of FYM @ 100 kg per plant - **Farmer practice**
2. FYM 100 kg & N: P: K 500:200:500 g/plant - **Recommended practice**
3. FYM 150 kg & N: P: K 375:100:250 g/plant - **Intervention**

4. Source of technology

Recommended by Junagadh Agricultural University

5. Production system and thematic area

- Rainfed Production System
- Integrated Nutrient Management

6. Performance of the Technology with performance indicators

- Growth and Yield
- Fruit quality
- Economics

7. Final recommendation for micro level situation: Awaited
8. Constraints identified and feedback for research: Nil
9. Process of farmers participation: Training and different extension activities
10. Farmers' reaction: Awaited

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	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Mango	Irrigated	Low productivity & quality	Integrated Nutrient Management in Mango	3	INM	Yield	% Yield increase	Yield increase by 8.96%	Satisfactory

Technology Assessed	Production kg/Tree	% yield increase	BC Ratio
13	14	16	17
Use of FYM @ 100 kg per plant - **Farmer practice**	145	-	-
FYM 100 kg & N: P: K 500:200:500 g/plant - **Recommended practice**	160	10.30	-
FYM 150 kg & N: P: K 375:100:250 g/plant - **Intervention**	158	8.96	-

On Farm Trial: 4

1. Title of on-farm trials

Integrated Management of Fruit fly in mango

2. Problem diagnose

Farmers are unaware of scientific recommended method for control of pest. They some times not applying any plant protection measures and who ever apply are neither maintain dose nor proper method and time of application.

Reasons for low yield of mango

- Improper selection of variety at the time of orchard establishment
- Improper management of orchard
- Alternate bearing
- Lack of awareness about recommended package of practices
- Problems of diseases and pests

Problem solutions:

- Proper selection of variety at the time of orchard establishment
- Proper management of orchard
- Reduce crop load at the time of fruiting
- Application of recommended package of practices
- Integrated pests and dieses management.

3. Details of technologies selected for assessment/refinement

Treatments:

1. Farmer's practice: Only chemical pesticides

2. Reco. Practice:

Collection of damaged fruits and destroyed it.
Plough around the trees during winter to expose and kill the pupae.
In month of March spay the one tree with Fenthion 10ml and Methyl eugenol 10ml in 10 lit. water and other eleven trees spay with Fenthion 10ml
Use of Methyl eugenol traps (Methyl eugenol 0.056ml or 4 drops and 4 drops of dichlorvos on sponge).
Growing of shyam Tulsi around the orchard and spray it with Fenthion.
Spay the solution of Mollases 150g and Malathion 100ml in 100lit. water in form of big droplets on the trees and grasses grown on bunds and boundaries of orchard.

3. **Intervention:** Collection of damaged fruits and destroyed it.
Plough around the trees during winter to expose and kill the pupae.
Growing of shyam Tulsi around the orchard and spray it with Fenthion.
Use of Methyl eugenol traps.

4. Source of technology

Recommended by Junagadh Agricultural University

5. Production system and thematic area

- Rainfed Production System
- Integrated Pest Management

6. Performance of the Technology with performance indicators

- Productivity
- Fruit quality
- Economics

7. Final recommendation for micro level situation: Awaited

8. Constraints identified and feedback for research: Nil

9. Process of farmers participation: Training and different extension activities

10. Farmers' reaction: Awaited

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	Results of assessment	Justification for refinement
1	2	3	4	5	6	7	8	9	12
Mango	Irrigated	Pest incidence (Fruit fly)	Integrated Management of Fruit fly in mango	3	IPM	Yield, Pest incidence	% Yield increase, % damage	Yield increase by 7%	--

Technology Assessed / Refined	Production kg/Tree	% damage	BC Ratio
13	14	16	17
Farmer's practice: Only chemical pesticides	143	11.9	-
Recommended Practice: Collection of damaged fruits and destroyed it. Plough around the trees during winter to expose and kill the pupae. In month of March spay the one tree with Fenthion 10ml and Methyl eugenol 10ml in 10 lit. water and other eleven trees spay with Fenthion 10ml Use of Methyl eugenol traps (Methyl eugenol 0.056ml or 4 drops and 4 drops of dichlorvos on sponge). Growing of shyam Tulsi around the orchard and spray it with Fenthion. Spay the solution of Mollases 150g and Malathion 100ml in 100lit. water in form of big droplets on the trees and grasses grown on bunds and boundaries of orchard. Technology assessed	158	1.3	-
Technology refined (Intervention) Collection of damaged fruits and destroyed it. Plough around the trees during winter to expose and kill the pupae. Growing of shyam Tulsi around the orchard and spray it with Fenthion. Use of Methyl eugenol traps.	153	2.1	-

B. Technology Refinement: NIL

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 2009-10 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	Varietal Evaluation	Variety GG-20 & full package of practices	Trainings & FLDs	19	860	1300
2.	Groundnut	IDM	Use of biological agent Trichoderma for stem rot control	Trainings, Field days FLDs & OFTs	17	695	1250
3.	Wheat	Varietal Evaluation	Variety GW-366 & full package of practices	Trainings & FLDs	23	685	640
4.	Cumin	Varietal Evaluation	Variety GC-4 & full package of practices	Trainings & FLDs	15	700	1450

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

b. Details of FLDs implemented during 2009-10 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

Cereals:

Sr. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration		
					Proposed	Actual	SC/ST	Others	Total
1	Wheat	Varietal evaluation	Improved variety and package of practices	Rabi-2009	5	5	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					
Wheat	Rabi 09	Irrigated	Medium Black	Low	medium	high	Groundnut	15-29/11/09	20-30/3/2010	-	-

Performance of FLD

Sr. No.	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Q./ha			Yield of local Check Q./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
1	Wheat	Improved variety and Package of practices	GW-366	10	5	40.10	32.30	37.44	31.27	19.70	-	-

Economic impact

Average Cost of cultivation (Rs./ha)		Gross Return (Rs./ha)		Net Return (Rs./ha)		Benefit-Cost Ratio
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
14	15	16	17	18	19	20
23085	24495	65520	54722.5	42435	30227.5	1:2.84

Horticultural Crops:

Sr. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Cumin	Varietal evaluation	Improved variety and package of practices	Rabi-2009	5	5	3	7	10	Nil

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					
Cumin	Rabi-09	Irrigated	Medium Black	Low	medium	high	Groundnut	08/11 - 28/11/2009	5 – 18/2/2010		

Performance of FLD

Sr. No.	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Q./ha			Yield of local Check Q./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
1	Cumin	Improved variety and Package of	GC-4	10	5	10.23	7.32	9.09	7.95	14.2	-	-

		practices										

Economic impact

Average Cost of cultivation (Rs./ha)		Gross Return (Rs./ha)		Net Return (Rs./ha)		Benefit-Cost Ratio
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
14	15	16	17	18	19	20
21557	24300	86200	74500	64643.3	50200	1: 4.00

Oilseed Crops:

Sr. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Groundnut	Varietal evaluation	Improved variety and package of practices	Kharif 2009	10	10	8	12	20	Nil
2	Sesame	Varietal evaluation	Improved variety and package of practices	Summer 2010	5	5	1	9	10	Nil

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					
Ground nut	Kharif 2009	Rainfed	Medium Black	Low	medium	high	Groun dnut	22/6/09 to 30/6/09	17/9/09 to 26/9/09	1187	26
Sesame	Sum mer 2010	Irrigated	Medium Black	Low	medium	high	Wheat/ Cumin	12 – 18/2/2010		-	-

Performance of FLD

Sr. No.	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Q./ha			Yield of local Check Q./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
1	Groundnut	Improved variety and Package of practices	GG-20	20	10	17.43	14.97	14.81	13.25	11.8	-	-
2	Sesame	Improved variety and Package of practices	GT-3	10	5	19.0	9.1	11.39	9.60	18.7	-	-

Economic impact

Average Cost of cultivation (Rs./ha)		Gross Return (Rs./ha)		Net Return (Rs./ha)		Benefit-Cost Ratio
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
14	15	16	17	18	19	20
19638	22700	34063	30475	14425	7775	1: 1.77
7200	8500	45560	38400	38360	29900	1: 6.33

Pulses:

Sr. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1.	Pigeon pea	Varietal evaluation	Improved variety and package of practices	Kharif 09	5	5	3	7	10	--
2.	Gram	Varietal evaluation	Improved variety and package of practices	Rabi -09	10	7.5	3	12	15	The seed material for improved variety GG-3 was allocated only for7.5ha.

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing/Appli. date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Pigeon pea	Kharif 09	Rainfed	Medium Black	Low	medium	high	-	25/7/09 to 15/8/09	16-29/01/2010	1187	26
Gram	Rabi-09	Rainfed	Medium Black	Low	medium	high	-	5-22/11/2009	4-24 /2/2010	-	-

Performance of FLD

Sr. No.	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Q./ha			Yield of local Check Q./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
1.	Pigeon pea	Improved variety and Package of practices	BDN-2	10	5	18.17	15.02	16.50	14.86	11.06	-	-
2	Gram	Improved variety and Package of practices	GG-3	15	7.5	23.75	10.00	12.25	10.48	16.9	-	-

Economic impact

Average Cost of cultivation (Rs./ha)		Gross Return (Rs./ha)		Net Return (Rs./ha)		Benefit-Cost Ratio
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
14	15	16	17	18	19	20
14924	16200	46200	41608	31276	25408	1:3.10
12200	14200	53640	45960	41440	31760	1: 4.40

Cotton:

Sr. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1.	Bt Cotton	Varietal evaluation	Improved variety and package of practices	Kharif 09	10	10	4	21	25	--
2.	Desi Cotton	Varietal evaluation	Improved variety and package of practices	Kharif 09	10	10	4	21	25	--

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing/Appli. date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Bt Cotton	Kharif 09	Rainfed	Medium Black	Low	medium	high	-	14/6 to 24/8 /09	23/12/09 to 6/3/10	1187	26
Desi Cotton	Kharif 09	Rainfed	Medium Black	Low	medium	high	-	11/8 to 26/8/ 09	19/2/09 to 6/3/2010	1187	26

Performance of FLD

Sr. No.	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Q./ha			Yield of local Check Q./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
1.	Bt Cotton	Improved variety and package of practices	Mallika Bt	25	10	45.30	21.30	27.35	23.91	14.4	-	-
2	Desi Cotton	Improved variety and package of practices	G. Cot.-21	25	10	16.10	11.23	11.19	9.91	13.0	-	-

Economic impact

Average Cost of cultivation (Rs./ha)		Gross Return (Rs./ha)		Net Return (Rs./ha)		Benefit-Cost Ratio
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
14	15	16	17	18	19	20
15780	17265	92990	81294	77210	64029	1:5.8
9258	10254	32451	28739	23192	18485	1:3.5

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 (q/ha)	Percentage increase in productivity over local check
		1. Seed/Variety	-	-	-	-
		2. Bio-fertilizer	-	-	-	-
		3. Fertilizer management	-	-	-	-
Groundnut	Kharif-09	4. Plant Protection - ***Trichoderma***	Rainfed	13.97	12.50	11.75
		5. Combination of components (Please specify)	-	-	-	-

Technical Feedback on the demonstrated technologies

Sr. No	Feed Back
1	Creating awareness among the farmers about improved/high yielding varieties of the related crops
2	Leads the farmers from traditional agriculture to scientific & sustainable agriculture by the use of recommended/improved package of practices and ultimately reduce the cost of cultivation
3	Make the farmers aware about Integrated Pest & Disease Management by the proper use of insecticide/fungicides.

Farmers' reactions on specific technologies

Sr. No	Feed Back
1	Improved varieties particularly of Wheat GW-366 and Gram GG-3 are good and can give its potential yield with proper management practices.
2	If the seeds of the new varieties are generously available through Govt. Agencies, they are interested in sowing of demonstrated improved varieties.
3	Cumin GC-4 is very good and gave more yield than local varieties

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	8	-	163	
2	Farmers Training	2	07/05/09 01/06/09	47	
3	Media coverage	Nil			
4	Training for extension functionaries	1	25/9/2009	26	

c. Details of FLD on Enterprises:

(i) Farm Implements: Under Cotton Mini Mission-II sponsored by State Dept. of Agri.

Name of the implement	crop	No. of farmers	Area (ha)
Shredder	Cotton	57	25
Tractor drawn Sprayer	Cotton	53	25

(ii) Livestock Enterprise: NIL

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: NIL

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

A) ON Campus

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
(A) Farmers & Farm Women										
I Crop Production										
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	1	26	0	**26**	4	0	**4**	**30**	**0**	**30**
Cropping Systems	1	14	0	**14**	9	0	**9**	**23**	**0**	**23**
Crop Diversification	1	16	0	**16**	5	0	**5**	**21**	**0**	**21**
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	3	56	3	59	21	2	23	77	5	82
Fodder production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-

II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	1	20	0	**20**	6	0	**6**	**26**	**0**	**26**
Nursery raising	-	-	-	-	-	-	-	-	-	-
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	-	-	-	-	-	-	-	-	-	-
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	1	16	0	**16**	6	0	**6**	**22**	**0**	**22**
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-

Processing and value addition	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	1	19	0	**19**	6	0	**6**	**25**	**0**	**25**
Processing and value addition	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management										
Soil fertility management	1	32	0	**32**	6	0	**6**	**38**	**0**	**38**
Soil and Water Conservation	1	16	0	**16**	8	0	**8**	**24**	**0**	**24**
Integrated Nutrient Management	1	24	0	**24**	7	0	**7**	**31**	**0**	**31**
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-	-	-
IV Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Disease Management	-	-	-	-	-	-	-	-	-	-
Feed management	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	0	17	**17**	0	5	**5**	**0**	**22**	**22**
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	1	0	23	**23**	0	12	**12**	**0**	**35**	**35**
Storage loss minimization techniques	1	0	22	**22**	0	3	**3**	**0**	**25**	**25**
Value addition	2	0	42	42	0	15	15	0	57	57
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems	1	18	0	**18**	7	0	**7**	**25**	**0**	**25**
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	1	21	0	**21**	7	0	**7**	**28**	**0**	**28**
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	1	21	0	**21**	5	0	**5**	**26**	**0**	**26**
VII Plant Protection										
Integrated Pest Management	5	96	0	96	28	0	28	124	0	124
Integrated Disease Management	4	74	0	74	29	0	29	103	0	103
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
VIII Fisheries										
Integrated fish farming	2	25	29	54	5	4	9	30	33	62
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	2	41	0	**41**	15	0	**15**	**56**	**0**	**56**
IX Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-

XI Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
TOTAL	**33**	**535**	**136**	**671**	**174**	**41**	**215**	**709**	**177**	**885**
(B) RURAL YOUTH										
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	1	20	0	**20**	6	0	**6**	**26**	**0**	**26**
Sericulture	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	1	17	0	**17**	7	0	**7**	**24**	**0**	**24**
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
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**	**37**	**0**	**37**	**13**	**0**	**13**	**50**	**0**	**50**
(C) Extension Personnel										
Productivity enhancement in field crops	1	18	0	**18**	7	1	**8**	25	1	**26**
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	1	0	16	**16**	0	10	**10**	0	26	**26**
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	1	0	20	**20**	0	4	**4**	0	24	**24**
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-

Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
TOTAL	**3**	**18**	**36**	**54**	**7**	**15**	**22**	**25**	**51**	**76**
GRAND TOTAL	**38**	**590**	**172**	**762**	**194**	**56**	**250**	**784**	**228**	**1011**

B) OFF Campus

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
(A) Farmers & Farm Women										
I Crop Production										
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	1	21	3	24	6	0	6	27	3	30
Cropping Systems	1	16	2	18	7	2	9	23	4	27
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	3	54	8	62	14	4	18	68	12	80
Fodder production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	1	14	2	16	5	0	5	19	2	21
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	1	28	3	31	6	0	6	34	3	37
b) Fruits										

Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	1	23	0	23	4	0	4	27	0	27
d) Plantation crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-

Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Soil and Water Conservation	3	60	3	63	13	2	15	73	5	78
Integrated Nutrient Management	2	31	3	34	9	1	10	40	4	44
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	1	20	2	22	8	1	9	28	3	31
Micro nutrient deficiency in crops	2	36	3	39	13	2	15	49	5	54
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	1	16	0	16	3	0	3	19	0	19
IV Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Disease Management	-	-	-	-	-	-	-	-	-	-
Feed management	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	2	0	39	39	0	13	13	0	52	52
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming	-	-	-	-	-	-	-	-	-	-

through SHGs										
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	2	0	32	32	0	38	38	0	70	70
Income generation activities for empowerment of rural Women	1	0	43	43	0	11	11	0	54	54
Location specific drudgery reduction technologies	1	0	22	22	0	4	4	0	26	26
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	1	0	23	23	0	9	9	0	32	32
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems	1	20	3	23	3	2	5	23	5	28
Use of Plastics in farming practices	1	16	1	17	6	1	6	22	2	24
Production of small tools and implements	1	18	3	21	3	4	7	21	7	28
Repair and maintenance of farm machinery and implements	2	31	4	35	8	6	14	39	10	49
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	1	20	0	20	4	0	4	24	0	24
VII Plant Protection										
Integrated Pest Management	5	91	9	98	29	8	37	120	17	137
Integrated Disease Management	4	84	7	91	23	3	26	107	10	117
Bio-control of pests and diseases	3	58	9	67	18	6	24	76	15	91
Production of bio control agents and bio pesticides	1	18	2	20	6	1	7	24	3	27
VIII Fisheries										
Integrated fish farming	4	100	4	104	25	2	27	125	6	131
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-

Composite fish culture	1	24	0	24	8	0	8	32	0	32
Hatchery management and culture of freshwater prawn	2	44	2	46	10	1	11	54	3	57
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	1	18	2	20	4	1	5	22	3	25
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	1	13	4	17	4	1	5	17	5	22
IX Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-

Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
TOTAL	**52**	**874**	**238**	**1110**	**239**	**123**	**361**	**1113**	**361**	**1474**
(B) RURAL YOUTH										
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
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	1	0	21	21	0	9	9	0	30	30
Rural Crafts	-	-	-	-	-	-	-	-	-	-
TOTAL	**1**	**0**	**21**	**21**	**0**	**9**	**9**	**0**	**30**	**30**
(C) Extension Personnel										
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
TOTAL										
GRAND TOTAL	**53**	**874**	**259**	**1131**	**239**	**132**	**370**	**1113**	**391**	**1504**

C. Consolidated table (ON and OFF Campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
(A) Farmers & Farm Women										
I Crop Production										
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	2	47	3	50	10	0	10	57	3	60
Cropping Systems	2	30	2	32	16	2	18	46	4	50
Crop Diversification	1	16	0	16	5	0	5	21	0	21
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	6	110	11	121	35	6	41	145	17	162
Fodder production	-	-	-	-	-	-	-	-	-	-

Production of organic inputs	-	-	-	-	-	-	-	-	-	-
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	1	20	0	20	6	0	6	26	0	26
Nursery raising	1	14	2	16	5	0	5	19	2	21
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	1	28	3	31	6	0	6	34	3	37
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	1	16	0	16	6	0	6	22	0	22
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	1	23	0	23	4	0	4	27	0	27

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	1	19	0	19	6	0	6	25	0	25
Processing and value addition	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management										
Soil fertility management	1	32	0	32	6	0	6	38	0	38
Soil and Water Conservation	4	76	3	79	21	2	23	97	5	102
Integrated Nutrient Management	3	55	3	58	16	1	17	71	4	75
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	1	20	2	22	8	1	9	28	3	31
Micro nutrient deficiency in crops	2	36	3	39	13	2	15	49	5	54
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	1	16	0	16	3	0	3	19	0	19
IV Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-

Management										
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Disease Management	-	-	-	-	-	-	-	-	-	-
Feed management	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	0	17	17	0	5	5	0	22	22
Design and development of low/minimum cost diet	2	0	39	39	0	13	13	0	52	52
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	1	0	23	23	0	12	12	0	35	35
Storage loss minimization techniques	1	0	22	22	0	3	3	0	25	25
Value addition	4	0	74	74	0	53	53	0	127	127
Income generation activities for empowerment of rural Women	1	0	43	43	0	11	11	0	54	54
Location specific drudgery reduction technologies	1	0	22	22	0	4	4	0	26	26
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	1	0	23	23	0	9	9	0	32	32
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems	2	38	3	41	10	2	12	48	5	53
Use of Plastics in farming practices	1	16	1	17	6	1	6	22	2	24
Production of small tools and	1	18	3	21	3	4	7	21	7	28

implements										
Repair and maintenance of farm machinery and implements	3	52	4	56	15	6	21	67	10	77
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	2	41	0	41	9	0	9	50	0	50
VII Plant Protection										
Integrated Pest Management	10	187	9	194	57	8	65	244	17	261
Integrated Disease Management	8	158	7	165	52	3	55	210	10	220
Bio-control of pests and diseases	3	58	9	67	18	6	24	76	15	91
Production of bio control agents and bio pesticides	1	18	2	20	6	1	7	24	3	27
VIII Fisheries										
Integrated fish farming	6	125	33	158	30	6	36	155	39	193
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	1	24	0	24	8	0	8	32	0	32
Hatchery management and culture of freshwater prawn	2	44	2	46	10	1	11	54	3	57
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	1	18	2	20	4	1	5	22	3	25
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	3	54	4	58	19	1	20	73	5	78

IX Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
TOTAL	**85**	**1409**	**374**	**1781**	**413**	**164**	**576**	**1822**	**538**	**2359**
(B) RURAL YOUTH										
Mushroom Production	-	-	-	-	-	-	-	-	-	-

Bee-keeping	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	1	20	0	20	6	0	6	26	0	26
Sericulture	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	1	17	0	17	7	0	7	24	0	24
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
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	**3**	**37**	**21**	**58**	**13**	**9**	**22**	**50**	**30**	**80**
(C) Extension Personnel										
Productivity enhancement in field crops	1	18	0	18	7	1	8	25	1	26
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	1	0	16	16	0	10	10	0	26	26
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	1	0	20	20	0	4	4	0	24	24
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
TOTAL	**3**	**18**	**36**	**54**	**7**	**15**	**22**	**25**	**51**	**76**
GRAND TOTAL	**91**	**1464**	**431**	**1893**	**433**	**188**	**620**	**1897**	**619**	**2515**

D. Vocational training programmes for Rural Youth:

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
					Male	Female	Total	Type of units	Number of units	Number of persons employed	
	14/05/2009	Preparation of bakery products	Value addition	1	0	21	21	-	-	-	-
	22/1/2010	Vermicomposting	Organic Farming	1	23	0	23	-	-	-	-
	4/2/2010	Preparation of handicrafts	Handicrafts	1	0	27	27	-	-	-	-

E. Sponsored Training Programmes

Sl. No	Date	Title	Discipline	Thematic area	Duration (days)	Client	No. of courses	No. of Participants									Spon. Agency	Amount of fund received (Rs.)
								Others			SC/ST			Total				
								M	F	T	M	F	T	M	F	T		
1	3/7/09	Mahila Shibir - Visavada	Home Science	Income generation activities	1	FW	1	0	41	41	0	0	0	0	41	41	DRDA	
2	29/7/09	Fisheries production technology	Fisheries	IFF	1	PF	1	14	11	**25**	0	0		14	11	**25**	Fisheries Dept.	
3	13/1/10	Brackish water aquaculture	Fisheries	IFF	1	PF	1	12	17	29	6	7	13	18	24	42	Fisheries Dept.	
4	26/1/10	Spices crops problem & prospects	Horticulture	Production and Management technology	1	PF	1	124	35	159	28	15	43	152	50	202	ATMA, PBR	
5	16/2/10	Organic Farming at Nagka	Crop Prod.	Organic Farming	1	PF	2	21	0	21	6	0	6	27	0	27	DAO, PBR	2886.00
6	8/2/10	Organic Farming at Bhod	Crop Prod.	Organic Farming	1	PF	2	26	0	26	7	0	7	33	0	33	DAO, PBR	2667.00
7	24-25 /12/09	Cotton Production Technology	Crop Prod.	ICM	2	EF	8	20	0	**20**	2	1	**3**	22	1	**23**	DAO, PBR	
				Total	8		16	217	104	321	49	23	72	266	127	393		

F. Training Programmes & Demonstrations conducted under RKVY

Sr. No.	Month	Training				Demonstrations of farm implements	
		On-Camp.	No. of Parti.	Off-Camp.	No. of Parti.	No.	No. of Parti.
	April 09	1	29	1	26	1	32
	May 09	-	-	2	60	2	85
	June 09	-	-	3	86	-	-
	July-09	1	18	-	-	-	-
	Arg.-09	-	-	2	54	-	-
	Sep.-09	2	49	1	26	3	78
	Oct.-09	1	25	1	31	2	49
	Nov.-09	0	0	3	88	2	54
	Dec.-09	3	147	6	210	2	62
	Jan.-10	-	-	7	208	1	34
	Feb.-10	2	54	2	78	2	54
	March-10	2	50	2	70	1	23
	Total	**12**	**372**	**30**	**937**	**16**	**471**

3.4 Extension Programmes (including activities of FLD programmes)

Sl. No.	Nature of Extension Activity	Purpose/ topic	No. of activities	Participants											
				Farmers (Others)			SC/ST (Farmers)			Extension Officials			Grand Total		
				(I)			(II)			(III)			(I+II+III)		
				M	F	T	M	F	T	M	F	T	M	F	T
1	Field Day		**11**	151	35	186	42	22	64				193	57	250
2	Kisan Mela	-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3	Kisan Ghosthi	-	14	102	58	160	39	14	53	-	-	-	160	53	213
4	Exhibition	-	5	590	100	690	105	41	146	-	-	-	695	141	836
5	Film Show	-	2	19	2		8	1	9				27	3	30
6	Method Demonstrations	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Workshop	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Group meetings		3	35	10	45	10	9	19	-	-	-	45	19	64
10	Lectures delivered as resource persons	-	9	433	200	633	341	49	351	-	-	-	774	249	1023
11	Newspaper coverage	-	2	-	-	-	-	-	-	-	-	-	-	-	-
12	Radio talks	-	2	-	-	-	-	-	-	-	-	-	-	-	-
13	TV talks	-	3	-	-	-	-	-	-	-	-	-	-	-	-
14	Popular articles	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Extension Literature	-	11	1500	520	2020	420	95	515				1920	615	2515
16	Advisory Services	-	520	272	61	333	123	64	187				395	125	520
17	Scientific visit to farmers field	-	231	114	54	168	42	21	63				156	75	231
18	Farmers visit to	-	821	456	197	653	124	44	168				580	241	821

	KVK														
19	Diagnostic visits	-	231	114	54	168	42	21	63				156	75	208
20	Exposure visits	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	Ex-trainees Sammelan		2	26	0	26	12	-	12	-	-	-	38		38
22	Soil health Camp	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	Animal Health Camp	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Farm Science Club Conveners meet	3	-	-	-	-	-	-	-	-	-	-	-	-	-
27	Self Help Group Conveners meetings	-	1	0	14	14	0	1	1				0	15	15
28	Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	Celebration of important days (specify) Technology Day Women Day		2	26	23	49	11	9	19	-	-		37	32	68
			1894	**3812**	**1354**	**5131**	**1307**	**403**	**1658**	**0**	**0**	**0**	**5176**	**1700**	**6732**

Details of the "Technology Week" Celebration on Groundnut during 22-26 Sept. 2009

Date and theme Technology Week	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Date : 22nd to 27th September 2009	Gosthies	6	109	Groundnut
	Lectures organized	18	316	Groundnut
	Exhibition	6	461	Farm Machinery & MIS
	Film show	3	90	IPM/INM
	Fair	-	-	-
Theme : Groundnut Production Technologies	Farm Visit	6	252	Groundnut Seed Production, Vermicompost unit, Crop Cafeteria (Groundnut)
	Diagnostic Practicals	-	-	-
	Distribution of Literature (No.)	10000	-	-
	Distribution of Seed (q)	-	-	-
	Distribution of Planting materials (No.)	-	-	-
	Bio Product distribution (Kg)	-	-	-
	Bio Fertilizers (q)	-	-	-
	Distribution of fingerlings	-	-	-
	Distribution of Livestock specimen (No.)	-	-	-
	Total number of farmers visited the technology week	-	461	-

3.5 Production and supply of Technological products:

SEED MATERIALS

Sr. No.	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
OILSEEDS	Groundnut	GG-20,14& 11	134	619200.00	21
CEREALS	Wheat	Lok-1	33.8	61262.00	--

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	OILSEEDS	134	619200.00	21
2	CEREALS	33.8	61262.00	-
TOTAL		**167.8**	**680462**	**21**

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: NIL

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
BIOAGENTS						
BIOFERTILIZERS	**Vermicompost**	**-**	**-**	**120**	**1200**	**-**
BIO PESTICIDES						

SUMMARY

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	(kg)		
1	BIOAGENTS					
2	BIO FERTILIZERS	**Vermicompost**	**-**	**-**	**120**	**1200**
3	BIO PESTICIDE					
	TOTAL					

LIVESTOCK: NIL

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

SUMMARY

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	Kgs		
1	CATTLE					
2	SHEEP & GOAT					
3	POULTRY					
4	FISHERIES					
5	OTHERS					
	TOTAL					

3.6. Literature Developed/Published

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

Name of Newsletter	Number of issues of newsletter published by your KVK
Nil	Nil

(B) Literature developed/published

Type of Publication	Title	Author	No.
Extension literature - Leaflet	1. *KVK- Information card*	KVK - Khapat	5000
Total	**1**	**-**	**5000**

(C) Details of Electronic Media Produced: NIL

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

Name of Farmer : Laxmanbhai Devsibhai Odedra

Village : Advana Dist. Porbandar (Gujarat)

Education : 9 std.

Age : 52 years

Land Holding : 3 Acres

Mr. Laxmanbhai is very enthusiastic and dynamic farmer of the area. He has started date palm cultivation very first in the District. He took technical guidance for date palm cultivation from experienced farmers of Kutchh area especially about pollination process. He took planting material from Kutchh and planted on border very closely. He also have come in touch with KVK and got technical support and guidance. Though he has good technical experience, KVK scientists streamlined their work by fine tuning in his traditional method. He has also pollinated the unproductive plants of date palm other farmer's field and make it productive. He has also planted date palm in 2 acre land and on boundary as well.

He is also running a nursery business successfully, where he is making saplings of Date palm, Fig, Cashew nut, Guava, Coconut, Teak (Australian), Mango etc. Thus, he is also helping the farmers to diversify their agriculture. He is honored as "*Krishi Rishi*" during Krishi Mahotsav-2009. Recently, he is also honored by "*Sardar Patel Krishi Sanshodhan*" *purskar* which was given by the Hon'ble Chief Minister, Gujarat State.

Name of the Farmer	Full Address with Mob. No.	Details about innovation	Name of innovative technology	Benefits of innovations to the farmers/society
Shri Laxmanbhai Devsibhai Odedra	At Advana Ta. & Dist. Porbandar (Gujarat) Mob. 9974075854	• Pollination of unproductive date palm plants in the surrounding areas by collecting the pollen powder and spraying it on the female inflorescence. • Nursery business of some valuable plants like fig, cashew nut, teak, mango etc.	Production technology of date palm and nursery raising	• Farmers, who have unproductive date palms in their field, can make it productive with the help of Shri Laxmanbhai and earned extra income.

Success Story 2

Name of Farmer : Sureshbhai Jerajbhai Dalsania
Village :Ishwariya, Ta. Kutiyana,
Dist. Porbandar (Gujarat)
Education : 9 std.
Age : 42 years
Land Holding : 5 Acres

Shri Sureshbhai is a very innovative and progressive farmer of the area. He is in continuous touch with Krishi Vigyan Kendra and with the help of KVK scientists; he is adopting latest scientific agricultural technologies in his field. He has diversified agriculture with improved varieties of the crops like papaya, groundnut, cotton, onion, semi rabi and summer sesame. Among these, papaya and cotton crops are irrigated with drip and fertilized with fertigation. He has adopted paired row ridge plantation with drip irrigation in cotton for minimizing cost. He is also adopting integrated nutrient management and IPDM concept with maximum organic inputs. He had set an example of biomass recycling by turning papaya stalk into the soil with the help of rotatvator. In onion, he has successfully used thin plastic pipes called "pepsi pipes" for irrigation which was cheaper and easy to maintain. By adopting all these latest and improved technologies, he has gained remarkable production and profit. For that, he is honored as "Krishi Rishi" during Krishi Mahotsav-2009.

Name of the Farmer	Full Address with Mob. No.	Details about innovation	Name of innovative technology	Benefits of innovations to the farmers/society
Shri Sureshbhai Jerajbhai Dalsania	At Ishwariya, Ta. Kutiyana, Dist. Porbandar (Gujarat) Mob. 9824865851	• Diversified agriculture with improved variety and technologies • Adopting Integrated Crop Management technology	Drip irrigation using pepsi pipes	• He has set an example of sustainable and profitable agriculture for the surrounding farmers and many of the farmers are inspired by him.

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

Krishi Vigyan Kendra, JAU, Khapat-Porbandar has published a **"KVK information Card"** (copy enclosed) in local language having mobile numbers of all the SMS with discipline. The Impact of the card is very good, it has made easy for the farmers to get solution of their problems by concerned SMS on mobile phone at any time.

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	Groundnut	Neem leaves used as covering material in storage	To Control of storage pest
2	Castor, Groundnut	Application of rotted Bajra flour or Cow Urine	To Suppress pest and disease
4	Control of pests in Cotton	(i) Mechanical control measures include cotton seed treatment with cow dung resulted in delineating of the seed (fibre free seed), followed by identification and removal of pink boll worm infested seeds and hand collection, destruction of larvae and infested plant parts leads to reduction in insect pest population.	To Control pest complex in cotton

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

- Identification of courses for farmers/farm women
- Rural Youth **NIL**
- Inservice personnel

3.11 Field activities

i. Number of villages adopted: 15 villages (5 from each Taluka)
ii. No. of farm families selected: 75 families (5 from each village)
iii. No. of survey/PRA conducted: 15

3.12. Activities of Soil and Water Testing Laboratory:

Status of establishment of Lab :

1. Year of establishment : **Yet to be established**
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1			
2			
3			
Total			

3. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples				
Water Samples				
Plant Samples				
Petiole Samples				
Total				

4.0 IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period): Awaited

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

4.2. Cases of large scale adoption
(Please furnish detailed information for each case)

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 organizations	Nature of linkages
1	**State department of Agriculture**	Most of organizations are members of Scientific Advisory Committee of this KVK and have linkage with different mandatory activities conducting training programmes and demonstration on implements, Khedut Shibir, Kishan Gosthy, Field Day and Vocational Trainings, Sponsored trainings, contribution received for infrastructural development etc.
	District Agriculture Officer	
	Dy. Director of Agriculture (Extension)	
	Dy. Director of Horticulture	
	Dy. Director of Animal husbandry	
	Asstt. Director of Fisheries	
2	Asstt. Conservator of Forest	
3	Taluka purchase and sales Union (Porbandar, Kutiyana, Ranavav)	
4	State bank of Saurashtra	
5	DRDA, Porbandar	
6	Doordarshan Kendra	Dissemination of activities
7	All India Radio	

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.)
RKVY	29-09-2008	Central Govt.	6152700
NREGA	2-02-2009	DRDA	100000

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district **Yes**

S. No.	Programme	Nature of linkage	Remarks
1	**ATMA Governing body**	**Member in Governing board**	
2	**Management Committee**	**Member in Management Committee**	**Also have collaborative extension programmes**

5.4 Give details of programmes implemented under National Horticultural Mission: NIL

S. No.	Programme	Nature of linkage	Constraints if any

5.5 Nature of linkage with National Fisheries Development Board: NIl

S. No.	Programme	Nature of linkage	Remarks

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm): Nil

6.2 Performance of instructional farm (Crops) including seed production

Name Of the crop	Date of sowing	Date of harvest	Area (ha	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Oilseeds									
Groundnut	30/6/09 to 5-7-09	23 to 30//10/09	7.4	GG-20	Breeder & Mega	90.0	42500	433200.00	
			3.0	GG-14	Breeder	23.0	20750	115000.00	
			1.5	GG-11	Mega Seed	21.0		71000.00	
Cereals									
Wheat	10-11/11/0	4/2/2010	2.0	Lok-1	Mega Seed	33.8	12000	61262.00	

6.3 Performance of production Units: NIL

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	

6.4 Performance of instructional farm (livestock and fisheries production): NIL

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Activities conducted				
No. of Training programmes	**No. of Demonstration s**	**No. of plant materials produced**	**Visit by farmers (No.)**	**Visit by officials (No.)**
2	6	-	301	38

Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total
30-05-09	Soil and Water conservation practices	PF	1	24	-	24	8	-	8
7-12-09	Micro irrigation systems	PF	1	25	-	25	7	-	7

NB: Rain water harvesting structures with micro irrigation system is demonstrated against most of the trainees participated in on campus trainings of this KVK.

6.5 Utilization of hostel facilities: <u>Furniture is yet to be procured</u>

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	Porbandar	10250767705

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2009
	Kharif 2008-09	Rabi 2008–09	Kharif 2008-09	Rabi 2008-09	
Inputs	NIL				
Extension activities					
TA/DA/POL etc.					
TOTAL					

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2009
	Kharif 2008-09	Rabi 2008–09	Kharif 2008-09	Rabi 2008-09	
Inputs	NIL				
Extension activities					
TA/DA/POL etc.					
TOTAL					

Note: The funds for FLDs on oilseed & pulses was not released

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

Sl. No.	Items	Amount (Rs.)		Balance	Remarks
		Sanctioned	Utilized		
1.	Grant of input	Nil	16,250	67,485	The expenditure was born from previous year balance of Rs. 0.83735
2.	Funds for Krishi Mela/ supply of printing materials, reports etc.	Nil	Nil	Nil	
3.	Funds for POL / TA / Maintenance / hire of vehicle		Nil	Nil	
4.	Farm Implements	Nil	Nil	Nil	
	Total	**Nil**		**67,485**	

7.5 Utilization of KVK funds during the year 2009-2010

S.N	Items/Head	Sanctioned grant (Council's share	Grant received (Council's share)	Expenditure (Councils share)	Variation (+) Saving (-) Excess	Reason for variation
A. Recurring Contingencies Items.						
1	Pay & Allowances	3,500,000	3,500,000	3,079,149	420,851	
2	Traveling Allowances	100,000	100,000	60,532	39,468	

3	**Contingencies**					
a.	Stationary, telephone, postage and other expenditure on office running, publication of newsletter and Library maintains (Purchase of News paper Magazines)	175,000	175,000	175558	(558)	Bank commission added in expenditure
b.	POL, repair of vehicles, tractors and equipment	100,000	100,000	114534	**(14,534)**	Major Repairing in Vehicles & Annual Insurance
c.	Meals/refreshment of trainees (ceiling up to Rs,40/- per day / trainees be maintained)	85,000	85,000	52694	32,306	
d.	Training Materials (Posters, charts, demonstration materials including chemicals etc. required for conducting the training).	90,000	90,000	42285	47,715	
e.	Frontline demonstration except oilseed and pulses	105,000	105,000	104789	211	
f.	On Farm testing (On need based, location specific and newly generated information in the major production system of the area.	70,000	70,000	141182	**(71,182)**	Includes expenditure on Seed Production & Maintain Live Stock
g.	Training of Extension functionaries	50,000	50,000	44740	5,260	
h.	Maintenance of Building	25,000	25,000	24553	447	
	TOTAL CONTIGENCY	**700,000**	**700,000**	**700,335**	**(335)**	
	TOTAL-A	**4,300,000**	**4,300,000**	**3,840,016**	**459,984**	
B. Non -Recurring Contingencies items						
1	a) Equipment & Furniture					
	Digital camara	25,000.00	25,000	24,750.00	250	
	Generator set	50,000.00	50,000	47,088.00	2,912	
			-		-	
2	Works	-	-	-	-	
3	Vehical	-	-	-	-	
4	Library (Purchase of assets like books journals	10,000	10,000	8,485	1,515	
	TOTAL - B	**85,000**	**85,000**	**80,323**	**4,677**	
	GRAND TOTAL	**4,385,000**	**4,385,000**	**3,920,339**	**464,661**	

* Grant available for particular year.

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 2007 to March 2008	94599	328570	351720	71449
April 2008 to March 2009	71449	569528	561139	79838
April 2009 to March 2010	79838	465713	330656	214895

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

8.1 Constraints

(a) Administrative: Nil

(b) Financial

1. FLD Grant

Grant and allotment of the FLDs particularly of oilseeds and pulses should kindly be released timely so the planning of the FLDs can be made in advance

(c) Technical: Nil