

PROGRESS REPORT **(1st April 2010 to 31st March 2011)**

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 1st April 2011)

Sr. No	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale	Pres. Basic	Date of joining	Category
1	Programme Coordinator	Vacant	Programme Coordinator	-	39400-67000	-	-	-
2	Subject Matter Specialist	R. K. Odedra	I/c Programme Coordinator & Subject Matter Specialist	Horticulture	15600-39100	21600	1-06-09	OBC
3	Subject Matter Specialist	P. J. Gohil	Subject Matter Specialist	Agronomy	15600-39100	24320	21-8-06	OBC
4	Subject Matter Specialist	R. B. Vadher	Subject Matter Specialist	Entomology	15600-39100	24320	19-8-06	OBC
5	Subject Matter Specialist	H. R. Vadar	Subject Matter Specialist	Agril. Engg. (SWE)	15600-39100	24320	22-8-06	OBC
6	Subject Matter Specialist	D. S. Thakar	Subject Matter Specialist	Home Science	8000-13500	8000 (5 th pay)	22-8-06	Others
7	Subject Matter Specialist	S. R. Thaker	Subject Matter Specialist	Fisheries	8000-13500	8000 (5 th pay)	31-8-06	Others
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 /	B. S.	Office	--	9300-34800	6000	18-6-08	OBC

	Superintendent	Bokhariya	Superintendent			(fix)		
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 Roads & Buildings	2.451
2.	Under Demonstration Units and Observatories	0.337
3.	Under Field Crops	14.660
4.	Orchard/Agro-forestry/Horticulture Experiments	2.798
5.	Under farm ponds & WHS units	0.344

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.	28-4-2010	<ol style="list-style-type: none"> 1. Dr. N. C. Patel, VC, JAU, Junagadh 2. Dr. R. L. Savaliya, DEE, JAU, JND 3. Dr. I. U. Dhruj, Associate director of Research, JAU, Junagadh 4. Sh. J. H. Trivedi, Director, DRDA, PBR 5. Shri Sanket Joshi, DAO, Porbandar 6. Shri M. B. Dhorajiya Depty. Director of Horticulture, Porbandar 7. Dr. P. C. Malli, Superintendent of Fisheries, Porbandar 8. Shri J. N. Parmar, Asst. Director (Extension), Porbandar 9. Smt. Ramilaben Vaghela Office of the Dy, Director (FTC), Porbandar 10. Shri M. M. Chadamia, Forest, Department, Porbandar 11. Dr. B. B. Kabaria Training Organizer, KVK, Targhadia 12. Dr. H. R. Khafi, Training Organizer, KVK, Jamnagar 13. Shri V. B. Daslaniya Prog. Exe. AIR, Rajkot 14. Shri K. K. Rathod, Manager, Lead 	<ol style="list-style-type: none"> 1. To increase the number of training programme and advocated to conduct FLDs on Micro nutrients 2. To conduct trainings on seed production to FLD farmers 3. To impart trainings on organic farming and to create awareness about water conservation. 4. To prepare literature on pesticides compatibility in local language 	<ol style="list-style-type: none"> 1. The suggestion has been incorporated in the action plan 2. The suggestion has been incorporated in the action plan 3. The suggestion has been incorporated in the action plan 4. The task has been given to PC, KVK, Rajkot.

		<p>Bank, PBR</p> <p>15. Shri K. B. Raval Dy. Director, Animal Hus. Porbandar</p> <p>16. Shri R. B. Thanki, Asst. Research Scientist, CRS, Khapat</p> <p>17. Rameshbhai Bhalodiya, At: Ishwariya, Ta: Kutiyana, Dist: Porbandar</p> <p>18. Shri Hathiya A. Odedara, At: Bharvada, Ta & Dist :Porbandar</p> <p>19. Smt. Rekhaben A. Bhalodiya, At: Ishwariya, Ta: Kutiyana, Dist: Porbandar</p> <p>20. Smt. Bhartiben K. Joshi, At: Khapat, Ta & Dist : Porbandar</p> <p>21. Shri Arjanbhai Karavadra, Director, APMC, Porbandar</p> <p>22. Dr. V. B. Gadhiya, Training Organizer, KVK, Nana Kandhasar, Surendranagar</p>		
2	7-4-2011	<p>1. Dr. N. C. Patel, VC, JAU, Junagadh</p> <p>2. Dr. A. M. Parahkiya, DEE, JAU, JND</p> <p>3. Dr. I. U. Dhruj, Associate director of Research, JAU, Junagadh</p> <p>4. Sh. J. H. Trivedi, Director, DRDA, PBR</p> <p>5. Shri Sanket Joshi, DAO, Porbandar</p> <p>6. Shri V. M. Chudasama, Depty. Director of Horticulture, Porbandar</p> <p>7. Dr. P. C. Malli, Superintendent of Fisheries, Porbandar</p> <p>8. Shri J. N. Parmar, Asst. Director (Extension), Porbandar</p> <p>9. Shri M. M. Chadamia, Forest, Department, Porbandar</p> <p>10. Shri P. A. Vanzara, ATMA, Porbandar</p> <p>11. Dr. H. R. Khafi, Training Organizer, KVK, Jamnagar</p> <p>12. Shri D. M. Dabhi, Dy. Director, Animal Hus. Porbandar</p> <p>13. Shri R. B. Thanki, Asst. Research Scientist, CRS, Khapat</p> <p>14. Shri Ramde Duda Modhvadia, At: Modhwada, Ta & Dist: Porbandar</p> <p>15. Shri Samat Hardas Odedara, At: Kansabad, Ta & Dist :Porbandar</p> <p>16. Smt. Hetal B. Mavadia, At: Madhavpur, Ta & Dist: Porbandar</p> <p>17. Smt. Vejiben D. Karangia, At: Gokran, Ta: Kutiyana, Dist : Porbandar</p>	<p>1. More number of beneficiaries in FLDs should be proposed</p> <p>2. To conduct video film show</p> <p>3. To prepare the modules for trainings & other programmes</p> <p>4. To put more emphasis on training & demonstrations of value addition, hygiene and handling of fish product</p> <p>5. To conduct trainings on seed production to FLD farmers</p> <p>6. To disseminate technologies through more No. of quality publications, literature and press notes</p>	<p>1. The suggestion has been incorporated in proposal of FLDs</p> <p>2. Accepted and will be conducted</p> <p>3. Accepted and will be prepared</p> <p>4. The suggestion has been incorporated in the action plan</p> <p>5. The suggestion has been incorporated in the action plan</p> <p>6. Accepted and will be made</p>

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: Rainfall during the year 2010

MONTH	Rainfall (mm)	Rainy days
Jan-10	-	-
Feb-10	-	-
Mar-10	-	-
Apr-10	-	-
May-10	-	-
Jun-10	-	-
Jul-10	687.7	17
Aug-10	546.5	11
Sep-10	268.4	7
Oct-10	68.2	1
Nov-10	38.0	3
Dec-10	-	-
Total	1608.8	39

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	-	-	-
<i>Marine</i>	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	Identified Thrust Areas
1.	Porbandar	Cluster I	1. Sisli 2. Pravada 3. Tukda(Miyani) 4. Bakharala 5. Madhavpur	Groundnut Wheat Cumin Coriander Sorghum Gram Fenugreek	<ul style="list-style-type: none"> • IPM • Improved package of practices • IDM • Problematic soil • Poor quality water
2.	Ranavav	Cluster II	1. Amardad 2. Khambhala 3. Thoyana 4. Vadotra 5. Mokar	Groundnut Cotton Sorghum Wheat Cumin Pearl millet	<ul style="list-style-type: none"> • IPM • Improved package of practices • IDM • INM in Horticulture

3.	Kutiyana	Cluster III	1. Kansabad 2. Roghda 3. Kotada 4. Amar 5. Kadegi	Groundnut Cotton Castor Sorghum Wheat Cumin Gram	<ul style="list-style-type: none"> • IPM • Improved package of practices • IDM • Problematic soil
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2.8 Priority thrust areas

Sr. No	Discipline	Thrust area
1	Crop production	<ul style="list-style-type: none"> • Improved package of practices • Improved varieties • Organic farming • INM
2	Horticulture	<ul style="list-style-type: none"> • Improved package of practices for different spices • PHT in fruits and vegetable • INM in orchards
3	Agriculture Engineering	<ul style="list-style-type: none"> • Efficient use of water & Ground water recharge • PHT and value addition • Renewable Energy
4	Plant Protection	<ul style="list-style-type: none"> • Integrated Pest and Diseases management • Storage pest Management • Biological control of Pest and Diseases
5	Home science	<ul style="list-style-type: none"> • Skill oriented activities <ul style="list-style-type: none"> ▪ Sewing and embroidery ▪ Handicrafts • Value addition <ul style="list-style-type: none"> ▪ Fruits and vegetable preservation ▪ Preparation of bakery products
6	Fisheries	<ul style="list-style-type: none"> • 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 2010-11

OFT				FLD			
1				2			
Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
3	3	26	26	10	9	115	100

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
137	132	3425	4041	14	17	-	6789

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
125	135	-	-

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.
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	Flowers	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										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL										2

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	Fisherie s	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: 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: Apply FYM @ 150 kg & N: P: K @ 375:100:250 g/plant in mango

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 10.4%	Satisfactory

Technology Assessed	Production kg/Tree	% yield increase	BC Ratio
13	14	16	17
Use of FYM @ 100 kg per plant - Farmer practice	132.3	-	2.90
FYM 100 kg & N: P: K 500:200:500 g/plant - Recommended practice	152.3	18.0	3.20
FYM 150 kg & N: P: K 375:100:250 g/plant - Intervention	146.3	13.2	3.16

On Farm Trial: 2**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 diseases 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: Fruit fly in mango can be effectively managed by

- 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.

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 7.6%	--

Technology Assessed / Refined	Production kg/Tree	% damage	BC Ratio
13	14	16	17
Farmer's practice: Only chemical pesticides	135.7	10.7	2.98
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 spray the one tree with Fenthion 10ml and Methyl eugenol 10ml in 10 lit. water and other eleven trees spray 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. Spray 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	152.3	1.8	3.20
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.	148.0	1.4	3.21

On Farm Trial: 3**Title: Management of Anemia in adolescent girls****Objective:**

1. Improving the hemoglobin percentage in rural adolescent girls

Treatments:

1. Existing Dietary pattern (Control)
2. Iron & Folic acid tables from PHC
3. Dietary iron concentrate (Sprouted pulses 50g/day/person in 2 equal doses)

No. of replications: 20 girls

Observations:

1. Body weight (kg)
2. Hemoglobin

Technology Assessed / Refined	Increase in (3 months)	
	Body weight (kg)	Hemoglobin, %
Existing Dietary pattern (Control)	0	0
Iron & Folic acid tables from PHC	1.043	1.79
Dietary iron concentrate (Sprouted pulses 50g/day/person in 2 equal doses)	1.230	1.71

B. Technology Refinement: 2**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 2010-11 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 2010-11 (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	Rab-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 practices	GC-4	10	5	10.23	7.32	9.09	7.95	14.2	-	-

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	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					
Sesame	Summer 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	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
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.	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 for 7.5ha.

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					
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	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
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	Cotton	INM with full package	INM with full Package	Kharif 2010	10	10	2	23	25	Nil

Details of farming situation

Crop	Season	Farming situation (R/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Cotton	Kharif 10	Rainfed/irrigated	Medium Black	Low	medium	high	Gram/Cotton	5/6-12/7/2010	6/12/10 - 31/1/11	1608.8	39

Performance of FLD

Sr. No.	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Increase in yield (%)	Data on parameter in relation to technology demonstrated	
						H	L	A			Demo	Local
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Cotton	INM with full Package	Bt	25	10	40.75	21.00	29.51	26.14	12.9	-	-

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
24705	27350	138697	122858	113992	95508	5.61

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-10	4. Plant Protection – a) <i>Trichoderma</i>	Rainfed	12.98	11.69	11.04
	Kharif 10	b) NPV in cotton	Farmers were selected but spray of NPV was not possible due to continuous rainfall			
		5. Combination of components (Please specify)	-	-	-	-

FLDs on Other Enterprise

Sr. No.	Technology/FLD	Discipline	No. of Demonstration	Results Self life (hrs) (ice & fish ratio1:1)	
				Without box	with box
1	Insulated Boxes	Fisheries	10	11-13	42-48

Sr. No.	Technology/FLD	Discipline	No. of Demonstration	Results (3 months)	
				Hb increase (%)	Body wt increase
1.	Fortification of Soya in wheat <i>chapatti</i> for farm women	Home Science	20	1.72	1.64 kg

Sr. No.	Technology/FLD	Discipline	No. of Demonstration	Area ha	Participant
1	Shredder	Agril. Engineering	2	10	36
2	Rotavator	Agril. Engineering	2	10	42

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.
4	Improved farm implements (Rotavator) and insulated box gave very positive results.

Farmers' reactions on specific technologies

Sr. No	Feed Back
1	Improved varieties particularly of Wheat GW-366, Sesame GT-2 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
4	Micro nutrients in Cotton can enhance the growth and increase production.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	14	-	245	-
2	Farmers Training	4	-	110	-
3	Media coverage		Nil		
4	Training for extension functionaries	1	-	17	-

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	36	25
Tractor drawn Sprayer	Cotton	42	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:

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	-	-	-	-	-	-	-	-
Fisheries	Insulated Boxes	10	10	Self life of fish	42-48 Hrs	11-13 Hrs	-	-
Home Science	Fortification of Soya in wheat <i>chapatti</i> for farm women	20	20	Hemoglobin and Body weight	-	-	Hb increased by 1.72% & body wt. increased by 1.64 kg	-

Name of equipment	Traditional/ Existing practice	Traditional Practice			Improved equipment practice		
		Capacity/Output (ha/hr)	Man hour/ha	Cost of operation(Rs./ha)	Capacity/Output (ha/hr)	Man hour/ha	Cost of operation(Rs./ha)
Rotavator	Cultivating- Harrowing- Clod breaking	0.05	7	3500	0.20	3	2200

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	1	22	0	22	5	0	5	27	0	27
Resource Conservation Technologies	1	20	0	20	3	0	3	23	0	23
Cropping Systems	1	19	5	24	3	0	3	22	5	27
Crop Diversification	1	15	0	15	4	0	4	19	0	19
Integrated Farming	1	18	0	18	6	0	6	24	0	24
Water management	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Fodder production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	2	27	0	27	3	0	3	30	0	30
Nursery raising	1	14	0	14	8	0	8	22	0	22
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	1	6	18	24	0	6	6	6	24	30
Protective cultivation (Green Houses, Shade Net etc.)	-	-	-	-	-	-	-	-	-	-
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	1	22	0	22	1	0	1	23	0	23
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	21	0	21	6	0	6	27	0	27
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	17	0	17	3	0	3	20	0	20
Soil and Water Conservation	1	19	0	19	3	0	3	22	0	22
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-

Micro nutrient deficiency in crops	1	16	0	16	3	0	3	19	0	19
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	-	-	-	-	-	-	-	-	-	-
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	2	19	16	35	0	8	8	0	43	43
Storage loss minimization techniques										
Value addition	2	0	47	47	0	6	6	0	53	53
Income generation activities for empowerment of rural Women	1	0	19	19	0	2	2	0	21	21
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems	1	17	0	17	4	0	4	21	0	21
Use of Plastics in farming practices	1	14	0	14	3	0	3	17	0	17
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-

Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	1	14	0	14	5	0	5	19	0	19
Post Harvest Technology	1	18	0	18	5	0	5	23	0	23
VII Plant Protection										
Integrated Pest Management	3	50	0	50	14	0	14	64	0	64
Integrated Disease Management	3	47	0	47	17	0	17	64	0	64
Bio-control of pests and diseases	2	43	0	43	13	0	13	56	0	56
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	1	25	0	25	6	0	6	31	0	31
Hatchery management and culture of freshwater prawn	1	30	0	30	9	0	9	39	0	39
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	1	3	18	21	2	2	4	5	20	25
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-

Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
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	35	532	142	636	132	24	156	645	166	811
(B) RURAL YOUTH										
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	1	26	0	26	7	0	7	33	0	33
Integrated Farming										
Planting material production										
Vermi-culture	1	20	0	20	4	0	4	24	0	24
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	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
TOTAL	2	46	0	46	11	0	11	57	0	57
(C) Extension Personnel										
Productivity enhancement in field crops	1	16	0	16	1	0	1	17	0	17
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	1	16	0	16	1	0	1	17	0	17
GRAND TOTAL	38	594	142	698	144	24	168	719	166	885

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	1	36	0	36	14	0	14	50	0	50
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	1	13	0	13	6	0	6	19	0	19
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	5	96	3	99	18	0	18	114	3	117
Fodder production	-	-	-	-	-	-	-	-	-	-

Production of organic inputs	-	-	-	-	-	-	-	-	-	-
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-	-	-
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	2	35	0	35	9	0	9	44	0	44
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	1	24	0	24	6	0	6	30	0	30
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	2	41	0	41	12	0	12	53	0	53
Rejuvenation of old orchards	1	27		27	9		9	36	0	36
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	1	22	0	22	5	0	5	27	0	27
c) Ornamental Plants										
Nursery Management	1	16		16	6		6	22	0	22
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-

e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Soil and Water Conservation	4	68	3	71	19	0	19	87	3	90
Integrated Nutrient Management	3	61	0	61	12	0	12	73	0	73
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	1	23	0	23	6	0	6	29	0	29
Micro nutrient deficiency in crops	1	23	0	23	7	0	7	30	0	30
Nutrient Use Efficiency										
Soil and Water Testing	1	26	0	26	2	0	2	28	0	28
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	46	46	0	10	10	0	56	56
Designing and development for high nutrient efficiency diet	1	0	24	24	0	5	5	0	29	29
Minimization of nutrient loss in processing	1	0	15	15	0	8	8	0	23	23
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	2	0	49	49	0	17	17	0	66	66
Income generation activities for empowerment of rural Women	1	0	21	21	0	6	6	0	27	27
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	1	0	12	12	0	5	5	0	17	17
Women and child care	2	0	50	50	0	11	11	0	61	61
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems	1	20	0	20	0	0	0	20	0	20
Use of Plastics in farming practices	1	12	0	12	6	0	6	18	0	18
Production of small tools and implements	1	15	1	16	3	1	4	18	2	20
Repair and maintenance of farm machinery and implements	2	39	0	39	5	0	5	44	0	44
Small scale processing and value addition	1	20	0	20	6	0	6	26	0	26
Post Harvest Technology	2	40	0	40	11	0	11	51	0	51
VII Plant Protection										
Integrated Pest Management	5	126	0	126	29	0	29	155	0	155
Integrated Disease Management	4	75	7	82	21	0	21	96	7	103
Bio-control of pests and diseases	2	41	0	41	15	0	15	56	0	56

Production of bio control agents and bio pesticides	1	24	0	24	4	0	4	28	0	28
VIII Fisheries										
Integrated fish farming	3	70	6	76	14	3	17	84	9	93
Carp breeding and hatchery management	1	21	4	25	3	2	5	24	6	30
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	1	31	0	31	8	0	8	39	0	39
Hatchery management and culture of freshwater prawn	1	28	0	28	2	0	2	30	0	30
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	1	20	0	20	4	0	4	24	0	24
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	62	1093	241	1334	262	68	330	1355	309	1664
(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	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-
(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	62	1093	241	1334	262	68	330	1355	309	1664

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	2	58	0	58	19	0	19	77	0	77
Resource Conservation Technologies	1	20	0	20	3	0	3	23	0	23
Cropping Systems	1	19	5	24	3	0	3	22	5	27
Crop Diversification	2	28	0	28	10	0	10	38	0	38
Integrated Farming	1	18	0	18	6	0	6	24	0	24
Water management	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	5	96	3	99	18	0	18	114	3	117
Fodder production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
II Horticulture										

a) Vegetable Crops										
Production of low volume and high value crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	2	27	0	27	3	0	3	30	0	30
Nursery raising	1	14	0	14	8	0	8	22	0	22
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	2	35	0	35	9	0	9	44	0	44
Grading and standardization	1	6	18	24	0	6	6	6	24	30
Protective cultivation (Green Houses, Shade Net etc.)	1	24	0	24	6	0	6	30	0	30
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	1	22	0	22	1	0	1	23	0	23
Cultivation of Fruit	1	16	0	16	6	0	6	22	0	22
Management of young plants/orchards	2	41	0	41	12	0	12	53	0	53
Rejuvenation of old orchards	1	27	0	27	9	0	9	36	0	36
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	1	22	0	22	5	0	5	27	0	27
c) Ornamental Plants										
Nursery Management	1	16	0	16	6	0	6	22	0	22
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	21	0	21	6	0	6	27	0	27
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	17	0	17	3	0	3	20	0	20
Soil and Water Conservation	5	87	3	90	22	0	22	109	3	112
Integrated Nutrient Management	3	61	0	61	12	0	12	73	0	73
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	1	23	0	23	6	0	6	29	0	29
Micro nutrient deficiency in crops	2	39	0	39	10	0	10	49	0	49
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	1	26	0	26	2	0	2	28	0	28
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	46	46	0	10	10	0	56	56
Designing and development for high nutrient efficiency diet	1	0	24	24	0	5	5	0	29	29
Minimization of nutrient loss in processing	1	0	15	15	0	8	8	0	23	23
Gender mainstreaming through SHGs	2	19	35	16	0	8	8	0	43	43
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0
Value addition	4	0	96	96	0	23	23	0	119	119
Income generation activities for empowerment of rural Women	2	0	40	40	0	8	8	0	48	48
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	1	0	12	12	0	5	5	0	17	17
Women and child care	2	0	50	50	0	11	11	0	61	61
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems	2	37	0	37	4	0	4	41	0	41
Use of Plastics in farming practices	2	26	0	26	9	0	9	35	0	35
Production of small tools and implements	1	15	1	16	3	1	4	18	2	20
Repair and maintenance of farm machinery and implements	2	39	0	39	5	0	5	44	0	44
Small scale processing and value addition	2	34	0	34	11	0	11	45	0	45

Post Harvest Technology	3	58	0	58	16	0	16	74	0	74
VII Plant Protection										
Integrated Pest Management	8	176	0	176	43	0	43	219	0	219
Integrated Disease Management	7	122	7	129	38	0	38	160	7	167
Bio-control of pests and diseases	4	84	0	84	28	0	28	112	0	112
Production of bio control agents and bio pesticides	1	24	0	24	4	0	4	28	0	28
VIII Fisheries										
Integrated fish farming	3	70	6	76	14	3	17	84	9	93
Carp breeding and hatchery management	1	21	4	25	3	2	5	24	6	30
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	2	56	0	56	14	0	14	70	0	70
Hatchery management and culture of freshwater prawn	2	58	0	58	11	0	11	69	0	69
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	1	3	18	21	2	2	4	5	20	25
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	1	20	0	20	4	0	4	24	0	24
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	-	-	-	-	-	-	-	-	-	-
(B) RURAL YOUTH										
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	1	26	0	26	7	0	7	33	0	33
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-

Vermi-culture	1	20	0	20	4	0	4	24	0	24
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										
Rural Crafts	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-
(C) Extension Personnel										
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	1	16	0	16	1	0	1	17	0	17
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	100	1687	383	2032	406	92	498	2074	475	2549

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 elsewhere
					Male	Female	Total	Type of units	Number of units	Number of persons employed	
	14/12/10	Integrated Farming	Integrated Farming	1	17	0	17	-	-	-	-
	3/2/11	Self preparation of bio pesticides	Bio-pesticides production	1	21	0	21	-	-	-	-
Groundnut	24/11/10	Seed Production	Seed Production	1	26	0	26	-	-	-	-
	11/7/10	Preparation of pickles	Value addition	1	0	16	16				

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	29/8/10	Oil seed prod. tech.	Pl. Prote.	IPM/IDM	1	PF	1	85	-	85	15	-	15	100	-	100	DAO, PBR	-
2	15/9/10	Spices prod. tech	Horticulture	Spices prod. tech	1	PF	1	32	-	32	3	-	3	35	-	35	FTC, PBR	-
3	8/10/10	Prod. Tech	Agronomy	Prod. Tech.	1	PF	1	27	-	27		-	0	27	-	27	FTC, PBR	-
4	3/12/10	Use of MIS	Ag. Engg.	MIS	1	PF	1	13	-	13	7	-	7	20	-	20	FTC, PBR	-
5	9/12/10	Oilseed prod. Tech.	Agronomy	Prod. Tech.	1	PF	1	32	-	32	17	-	17	49	-	49	DAO, PBR	-
6	11/12/10	Oil seed prod.	Pl. Prote.	IPM/IDM	1	PF	1	36	-	36	4	-	4	40	-	40	DAO, PBR	-
7	16/12/10	Farmer-Scientist interaction	-	-	1	PF	1	24	8	32	12	7	19	36	15	51	ATMA, PBR	-
8	17/12/10	Prod. Tech	Agronomy	Prod. Tech.	1	PF	1	52	21	73	26	19	45	78	40	118	DAO, PBR	-
9	20/12/10	Organic farming	Agronomy	Prod. Tech.	1	PF	1	23	-	23	2		2	25	-	25	FTC, PBR	-
10	22/12/10	Post harvest Tech.	Ag. Engg	PHT & Value add.	1	PF	1	40	-	40	10		10	50	-	50	DAO, PBR	-
11	29/12/10	Oil seed Prod. Tech	Agronomy	Prod. Tech.	1	PF	1	50	-	50	15		15	65	-	65	DAO, PBR	-

12	30/12/10	Oil seed prod.	Pl. Prote.	IPM/IDM	1	PF	1	50	-	50		-	0	50	0	50	DAO, PBR	-
13	5/1/11	Oil seed prod.	Pl. Prote.	IPM/IDM	1	PF	1	37	-	37	10	-	10	47	0	47	DAO, PBR	-
14	6/11/11	Oil seed prod.	Pl. Prote.	IPM/IDM	1	PF	1	64	-	64	17	-	17	81	0	81	DAO, PBR	-
15	7/1/11	Oilseed prod. Tech.	Agronomy	Prod. Tech.	1	PF	1	72	-	72	13	-	13	85	0	85	DAO, PBR	-
16	11/1/11	Prod. Tech.	Horticulture	Seed Prod. Tech	1	PF	1	58	-	58	7	-	7	65	0	65	DAO, PBR	-
17	12/1/11	Oil seed prod.	Pl. Prote.	IPM/IDM	1	PF	1	62	-	62	9	-	9	71	0	71	DAO, PBR	-
18	12/1/10	Oil seed prod.	Pl. Prote.	Bio control	1	PF	1	18	-	18	7	-	7	25	0	25	FTC, PBR	-
19	18/1/11	Oilseed prod. Tech.	Agronomy	Prod. Tech.	1	PF	1	47	-	47		-	0	47	0	47	DAO, PBR	-
20	18/1/11	Ground water recharge	Agri. Eng.	SWC	1	PF	1	12	-	12	13	-	13	25	0	25	FTC, PBR	-
21	18/1/10	Rural craft	Home Sc.	Rural craft	1	FW	1	-	-	0		25	25	0	25	25	FTC, PBR	-
22	19/1/10	Income generating acti.	Home Sc.	-	1	FW	1	-	17	17		7	7	0	24	24	DRDA, PBR	-
23	29/1/11	Oil seed prod.	Pl. Prote.	IPM/IDM	1	PF	1	59	-	59	11	-	11	70	0	70	DAO, PBR	-
24	13/1/11	Oil seed prod.	Pl. Prote.	Bio control	1	PF	1	18	-	18	7	-	7	25	0	25	FTC, PBR	-
25	28/1/11	Prod. Tech.	Horticulture	Seed Prod. Tech	1	PF	1	48	-	48	17	-	17	65	0	65	GNFC	-
26	1/2/11	Value addition in Agril. produce	Ag. Eng.	PHT & Value add.	1	FW	1	-	17	17	-	8	8	0	25	25	FTC, PBR	-
27	16/2/11	Brackish water aquaculture	Fisheries	Aquaculture	1	Fisherman	1	20	20	40	-	-		20	20	40	Fisheries Dept.	-
28	9/3/11	Prod. Tech.	Horticulture	Seed Prod. Tech	1	PF	1	22		22	9	-	9	31	0	31	DAO, PBR	-

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.
1.	April. 10	0	0	1	22	1	22
2.	May. 10	0	0	0	0	0	0
3.	June. 10	0	0	1	18	0	0
4.	July. 10	0	0	1	16	1	13
5.	Aug. 10	0	0	1	23	1	23
6.	Sep. 10	0	0	1	22	2	46
7.	Oct. 10	0	0	1	28	1	20
8.	Nov.10	0	0	0	16	1	16
9.	Dec.10	1	19	0	0	0	0
Total		1	19	6	145	7	140

3.4 Extension Programmes (including activities of FLD programmes)

Sl. No.	Nature of Extension Activity	Purp ose/ topic	No. of activiti es	Participants											
				Farmers (Others)			SC/ST (Farmers)			Extensio n Officials			Grand Total		
				(I)			(II)			(III)			(I+II+III)		
				M	F	T	M	F	T	M	F	T	M	F	T
1	Field Day		14	185	10	195	48	2	50				233	12	245
2	Kisan Mela	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Kisan Ghosthi	-	12	146	19	165	36	13	49				182	32	214
4	Exhibition	-	1	356	36	392	58	16	74				414	52	466
5	Film Show	-	9	161	43	204	35	16	51				196	59	255
6	Method Demonstrations	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Workshop	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Group meetings		15	187	56	243	34	12	46				221	68	289
10	Lectures delivered as resource persons	-	27	651	123	774	241	49	290				892	172	1064
11	Newspaper coverage	-	8	-	-	-	-	-	-	-	-	-	-	-	-
12	Radio talks	-	2	-	-	-	-	-	-	-	-	-	-	-	-
13	TV talks	-	0	-	-	-	-	-	-	-	-	-	-	-	-
14	Popular articles	-	0	-	-	-	-	-	-	-	-	-	-	-	-
15	Extension Literature	-	14	2490	522	3012	1021	95	1116	-	-	-	3511	617	4128
16	Advisory Services	-	981	772	23	795	164	22	186	-	-	-	936	45	981
17	Scientific visit to farmers field	-	202	186	50	236	44	18	62	-	-	-	230	68	298
18	Farmers visit to KVK	-	806	445	192	637	128	41	169	-	-	-	573	233	806

19	Diagnostic visits	-	202	186	50	236	44	18	62	-	-	-	230	68	298
20	Exposure visits	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	Ex-trainees Sammelan		1	43	0	43	10		10	-	-	-	53	0	53
22	Soil health Camp	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	Animal Health Camp	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Farm Science Club Conveners meet	-	1	14	0	14	-	-	-	-	-	-	14	0	14
27	Self Help Group Conveners meetings	-	1	0	12	12	0	1	1	-	-	-	0	13	13
28	Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	Celebration of important days (specify) Technology Day Women Day		1	22	3	25	6	3	9	-	-	-	28	6	34
			1894	3812	1354	5131	1307	403	1658	-	-	-	5119	1757	6789

Details of the "Technology Week" Celebration on Groundnut during 7-11 Sept. 2010

Date and theme Technology Week	Types of Activities	No. of Activiti es	Number of Participa nts	Related crop/livestock technology
Date : 7 th to 11 th September 2010 Theme : Groundnut Production Technologies	Gosthies	6	145	Groundnut Production Tech.
	Lectures organized	30	293	Groundnut Production Tech.
	Exhibition	1	466	Farm Machinery & MIS, Organci fertilizer
	Film show	6	120	IPM/INM/Organic farming/vermicomposting
	Fair	-	-	-
	Farm Visit	6	466	Groundnut Seed Production, Vermicompost unit, Crop Cafeteria (Groundnut)
	Diagnostic Practicals			-
	Distribution of Literature (No.)	4	466	-
	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	-	466	-	

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	90.35	-	
CEREALS	Wheat	Lok-1	45.10	67650	26

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	OILSEEDS	90.35		
2	CEREALS	45.10	67650	26
TOTAL		135.45		

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	<i>KVK- Information card</i>	-	5000
	<i>Shiyalu pako ni vaigyanic kheti padhdhati</i>	P. J. Gohil & R. K. Odedra	1000
	<i>Jiru ma Sankalit Rog Niyantran</i>	R. B. Vadher & R. K. Odedra	
	<i>Chomasu magfali ni vaigyanic kheti padhdhati</i>	P. J. Gohil & R. K. Odedra	1000

(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****Title: Saving in cost of cultivation of cumin crop through telephonic helpline.****Name of Farmer : Nagabhai Devabhai Sundavadara****Village : Degam Tal. & Dist. Porbandar (Gujarat)****Education : 5 std.****Age : 29 years****Land Holding : 10 Acres**

Krishi Vigyan Kendra, JAU, Khapat-Porbandar has published a "**KVK information Card**" 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.

Mr. Nagabhai is very enthusiastic and dynamic farmer area. Once he has participated in training programme of KVK and impressed with the activities of the centre, he kept live touch with frequent visit and especially telephonic help of SMSs using "**KVK information Card**". Though he has good practical experience, KVK scientists streamlined their work by fine tuning in his traditional method. During Rabi season-2011 he has cultivated cumin crop in 1.2 ha area. He

took continuous guidance right from sowing to the harvesting of the crop especially of plant protection, package of practices and irrigation. Owing to had this timely and continuous guidance, he saved the cost of inputs and expenditure of chemical insecticides and pesticides in comparison with other Farmers.

Comparison of Expenditure and production with other 5 adjoining farmers is as follow.

Sr No.	Item	Shri Nagabhai	Other Farmers
1	Cost of Cultivation per ha	24500	52000
2	Expenditure on chemical insect/pest/fungicides	9400	21000
3	Production, Kg/ha	1260	1050

Name of the Farmer	Full Address with Mob. No.	Details about innovation	Name of innovative technology	Benefits of innovations to the farmers/society
Nagabhai Devabkai Sundavadara	At Degam Ta. & Dist. Porbandar (Gujarat) Mob. 9974075854	Adopted advanced production technology of cumin cultivation	Production technology of cumin	<ul style="list-style-type: none"> He is ready to guide the other farmers and selected for delivering lectures in Krishi Mahotsav 2011 in Gujarat State.

Success Story 2

Adoption of Net house Technology in adopted village

Village :Ishwariya, Ta. Kutiyana, Dist. Porbandar (Gujarat)

Name of Farmer :

1. Sureshbhai Jerajbhai Dalsania
2. Ashvin Vasram Bhalodiya
3. Malde bhai Karabhai Odedra
4. Jaysukh Laxman Kathrotiya
5. Mukesh Karshanbhai Desai

Ishwariya is one of the progressive village among the adopted villages by the KVK, in agriculture point of view. Farmers were being trained as per the scheduled trainings. Mean while this village was also adopted under the RKVY project of "Transfer of Integrated Agricultural technology in adopted villages". The demonstration unit of green house and net house are established at KVK, Khapat, Porbandar under the same. Farmers were imparted training for protected cultivation and make aware with the technology and benefits of it. Since its establishment, approximately 3500 farmers have visited the green house and net house. In net house, off seasonal fenugreek and coriander was grown. Farmers were suggested for nursery raising particularly in net house. Taking inspiration from these, above **5 (Five)** farmers were

inspired and established net house (1000 m² each) on their farms with subsidy assistance by Department of Horticulture, Govt. of Gujarat in adopted village Ishwariya.

By adopting all these Net house technology, they are gaining remarkable production and profit and set an example of profitable agriculture for the surrounding farmers and many of the farmers of the district are inspired.

Name of the Farmer	Full Address with Mob. No.	Details about innovation	Name of innovative technology	Benefits of innovations to the farmers/society
Listed above	At Ishwariya, Ta. Kutiyana, Dist. Porbandar (Gujarat)	<ul style="list-style-type: none"> Adopting protected cultivation technology 	Protected cultivation technology using for valuable off seasonal crops and nursery raising	<ul style="list-style-type: none"> They set an example of profitable agriculture for the surrounding farmers and many of the farmers of the district are inspired.

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" 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	Cumin	Seed treatment with kerosene, harrowing after first irrigation	For good and early germination
2	Groundnut	Application of Lime in furrow	For the management of stem/collar rot in groundnut
3	Groundnut	Neem leaves used as covering material in storage	To Control of storage pest
4	Castor, Groundnut	Application of rotted Bajra flour or Cow Urine	To Suppress pest and disease
5	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
- Inservice personnel

NIL

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 : **Establishment is in progress****Equipments have been purchased**

2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1	Physical balance	2	6616.00
2	EC Meter	1	9450.00
3	Flame photometer	1	44887.00
4	Hot plate	2	9450.00
5	Jheldal digestion & Distillation	1	47250.00
6	Oven	1	15215.00
7	pH Meter	1	7600.00
8	Shaker	1	36000.00
9	Spectrophotometer	1	39480.00
10	Refrigerator	1	19610.00
11	Water distillation still	1	157500.00
12	Chemical balance	1	45066.00
Total		14	438124.00

3. Details of samples analyzed so far : Nil

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

4.0 IMPACT4.1. 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
	District Agriculture Officer	
	Dy. Director of Agriculture (Extension)	
	Dy. Director of Horticulture	

	Dy. Director of Animal husbandry	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.
	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	
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.	9925.00
NREGA	2-02-2009	DRDA	89400.00

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	13/07/10-17/07/10	29/10/10-13/12/10	9.0	GG-20	Breeder	65.33	51690	-	Yet to sell
			3.0	GG-14	Breeder	12.51	17230	-	do
			1.5	GG-11	Breeder	12.51	9068	-	do
Cereals									
Wheat	10-11/11/09	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	-	466	12

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total
19-12-10	Use of plastics in agriculture	PF	1	24	-	24	7	-	7
23-11-10	Installation & maintenance of MIS	PF	1	21	-	21	4	-	4

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: Furniture has been procured recently**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 1 st April 2011
	Kharif 2010-11	Rabi 2010-11	Kharif 2010-11	Rabi 2010-11	
Inputs	NIL				
Extension activities					
TA/DA/POL etc.					

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2011
	Kharif 2010-11	Rabi 2010-11	Kharif 2010-11	Rabi 2010-11	
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	0.35	0.22	0.40,485	The expenditure was born from previous year balance of Rs. 0. 67485
2.	Funds for Krishi Mela/ supply of printing materials, reports etc.	0.15	0.05	Nil	
3.	Funds for POL / TA / Maintenance / hire of vehicle		Nil	Nil	
4.	Farm Implements	Nil	Nil	Nil	
	Total	Nil	0.27	0.40,485	

Note: The funds for FLDs on cotton was sanctioned but not released

7.5 Utilization of KVK funds during the year 2010-2011

S. N	Items/Head	Sanctioned grant (Council's share)	Grant received (Council's share)	Expenditure (Councils share)	Variation	Reason for variation
					(+) Saving (-) Excess	
A. Recurring Contingencies						
Items.						
1	Pay & Allowances	6,092,000	6,092,000	4,082,095	2,009,905	
2	Traveling Allowances	100,000	100,000	9,808	90,192	
3	Contingencies					
a.	Stationary, telephone, postage and other expenditure on office running, publication of newsletter and Library maintains (Purchase of News paper Magazines)	150,000	150,000	151303	(1,303)	Bank commission added in expenditure
b.	POL, repair of vehicles, tractors and equipment	90,000	90,000	89512	488	
c.	Meals/refreshment of trainees (ceiling up to Rs,40/- per day / trainees be maintained)	70,000	70,000	41606	28,394	
d.	Training Materials (Posters, charts, demonstration materials including chemicals etc. required for conducting the training).	80,000	80,000	78570	1,430	
e.	Frontline demonstration except oilseed and pulses	90,000	90,000	111692	(21,692)	

f.	On Farm testing (On need based, location specific and newly generated information in the major production system of the area.	60,000	60,000	85777	(25,777)	Includes expenditure on Seed Production & Maintain Live Stock
g.	Training of Extension functionaries	40,000	40,000	33652	6,348	
h.	Maintenance of Building	20,000	20,000	0	20,000	
i.	Establishment of Soil & Water testing Laboratory	400,000	400,000	304649	95,351	
	TOTAL CONTINGENCY	1,000,000	1,000,000	896,761	103,239	
	TOTAL-A	7,192,000	7,192,000	4,988,664	2,203,336	
B. Non -Recurring Contingencies Items						
1	Equipment & Furniture					
	a) Computer with Accessories	50,000.00	50,000	49,965.00	35	
	b) EPBAX System	50,000.00	50,000	44,580.00	5,420	
	c) PA System	30,000.00	30,000	29,093.00	907	
	d) Furnishing of Office and Hostel	500,000.00	500,000	455,098.00	44,902	
	e) Power Tiller	150,000.00	150,000	142,465.00	7,535	
	f) Winrower	25,000.00	25,000	37,000.00	(12,000)	
	g) Seed cum Fertilizer Drill	30,000.00	30,000	27,500.00	2,500	
	h) Power Sprayer	25,000.00	25,000	25,000.00	-	
	i) Multi crop thresher	50,000.00	50,000		50,000	
	j) Minimal Agro Processing Facility	300,000.00	300,000	276,500.00	23,500	
	k) Establishment of Soil and Water Testing Laboratory	1,000,000.00	1,000,000	826,606.00	173,394	
2	Works (Implement shed)	300,000.00	300,000	300,000.00	-	
3	Library (Purchase of assets like books journals)	10,000.00	10,000	9,828	172	
4	Vehicles(Motorcycle)	50,000	50,000	47,437	2,563	
	TOTAL - B	2,570,000	2,570,000	2,271,072	298,928	
	GRANT TOTAL	9,762,000	9,762,000	7,259,736	2,502,264	

* Grant available for particular year.

Status of revolving fund (Rs. in lakhs) 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 2008 to March 2009	0.71449	5.69528	5.61139	0.79838
April 2009 to March 2010	0.79838	4.65713	3.30656	2.14895
April 2010 to March 2011	2.14895	8.05331	3.34177*	6.86049

* Includes Rs. 1.0 lakh refunded to ICAR

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