ANNUAL REPORT 2006-07

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, Main Dry Farming Research Station, Junagadh Agricultural University, Targhadia, Dist.: Rajkot (Gujarat) - 360 003	Office (0281) 2784170	FAX (0281) 2784722	-

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

Address	Telephone		E mail
	Office	FAX	
Junagadh Agricultural University, Junagadh (Gujarat)	0285-267080	0285-2672653	-

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

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

1.4. Year of sanction: September - 2004

1.5. Staff Position (as on 30th September 2007)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	2	3	4	5	6	7	8	9
1	Programme Coordinator	Dr. B. B. Kabaria	Programmer Coordinator	Agril. Entomology	12000-420-18300	15-09-06	Permanent	General
2	Subject Matter Specialist	Dr. J.B. Kathiriya	SMS (Animal Science)	Animal Science	8000-275-13500	19-08-06	Permanent	General
3	Subject Matter Specialist	Dr. M.B. Viradiya	SMS (Crop Production)	Agricultural Chemistry & Soil Science	8000-275-13500	17-08-06	Permanent	General
4	Subject Matter Specialist	Dr. A.V. Khanpara	SMS (Plant Protection)	Agril. Entomology	8000-275-13500	18-08-06	Permanent	General
5	Subject Matter Specialist	Dr. N.D. Polara	SMS (Horticulture)	Horticulture	8000-275-13500	18-08-06	Permanent	General
6	Subject Matter Specialist	Shri. P.P. Gajjar	SMS (Agril. Engg.)	Agricultural Engineering	8000-275-13500	19-08-06	Permanent	OBC
7	Subject Matter Specialist	Miss. H.A. Manvar	SMS (Home Science)	Home Science	8000-275-13500	17-08-06	Permanent	General
8	Programme Assistant	Shri. G.B. Vekariya	Programme Assistant (Training)	Plant Physiology	6500-200-10500	01-08-06	Permanent	General
9	Computer Programmer	Vacant	Programme Assistant	Computer Operator	5500-175-9000	-	-	

1	2	3	4	5	6	7	8	9
10	Farm Manager	Dr. P.D. Vekariya	Programme Assistant (Farm Manager)	Agronomy	5500-175-9000	16-09-04	Permanent	General
11	Accountant / Superintendent	Shri. J. B. Bhatt	Offi. Sup. Cum A/c. Officer	-	5500-175-9000	14-09-06	Permanent	General
12	Stenographer	Shri B.J. Lalkiya	Junior Steno	-	4000-100-6000	01-05-07	Permanent	General
13	Driver	Shri. S.D. Dafda	Jeep Driver-Cum Mechanic	-	3050-100-4590	01-08-06	Permanent	SC
14	Driver	Shri. C.G.Gardharia	Jeep Driver-Cum Mechanic	Working at Junagadh on pool basis	3050-100-4590	01-03-06	Permanent	General
15	Supporting staff	Shri.D.K.Makwana	Supporting Staff	-	2650-70-4000	01-07-06	Permanent	OBC
16	Supporting staff	Smt.U.G.Zala	Supporting Staff	-	2550-70-3200	16-09-04	Permanent	General

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.00
2.	Under Demonstration Units	0.50
3.	Under Crops	9.00
4.	Orchard/Agro-forestry	6.00
5.	Others	3.50

1.7. Infrastructural Development:

A) Buildings : **NIL**

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							
2.	Farmers Hostel							
3.	Staff Quarters (6)							
4.	Demonstration Units (2)							
5	Fencing							
6	Rain Water harvesting system							
7	Threshing floor							
8	Farm godown							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
TATA Qualis	2004	590000	-	Working

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Generator set	27-3-2002	24900	Working
Color TV (Akai) with Remote	27-3-2002	13850	Working
EPBAX system	27-3-2002	29000	Working
With wiring PVC fitting	27-3-2002	7200	Working
Jelly Cable	27-3-2002	3600	Working
Btel Telephone Skipper	27-3-2002	5625	Working
BPL Telephone	27-3-2002	1300	Working
MDFL Box	27-3-2002	300	Working
Panasonic PT LC 50 LCD Project	28-3-2002	164368	Working
PA Audio Vision System	28-3-2002	20000	Working

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

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken
1.	27/12/04	18	-	-
2.	30/09/05	15	1. Training especially on bakery subject should be organized at least once in a year.	Suggestion accepted Training on bakery subject is included.
			2. On and Off campus training should be organized on the basis of thrust area with the help of other Agencies/ Department/ Organization.	Suggestion accepted Training will be organized as per Suggestion.
			3. At lest one training in a year pertaining farm implements should be organized.	Suggestion accepted Training is included.
			4. Maintenance of Agricultural equipment's like spraying pump, oiling engine etc.	Suggestion accepted Training is included.
3.	05/10/06	17	There is no need of IPM in wheat crop. The title of the training on 'IPM in Wheat' was suggested to be changed and add IPM in gram to it.	Suggestion accepted and training on IPM in gram is included.
			To incorporate women members in trainings related to Animal Science.	Suggestion accepted and women members incorporated in Animal Science training.
			To make available wheat variety GW-366 to the farmers for next year.	Suggestion accepted
			To include training on village sanitation	Suggestion accepted and training on village sanitation is included.
			To add training on selection of tractor, especially mini tractor and its attachments together with its maintenance.	Suggestion accepted and training on selection of tractor included.
			To conduct the training on IPM in Garlic and Chickpea during the 1st week of September.	Suggestion accepted.

			To conduct training on eradication and control of invasive weed species like Parthenium etc. in wastelands and village gauchar of the district.	Suggestion accepted and the campaign on eradication of parthenium wa carried out.
			Critical inputs should be supplied to farmers during FLDs and OFTs.	Suggestion accepted and critical inputs like seeds, pesticides and fertilizer was supplied.
			Monitoring of FLD and OFT should be conducted regularly by visiting the cluster villages.	Suggestion accepted
			To add training on production technology of medicinal plants and informed to extend cooperation in conducting such kind of training.	Suggestion accepted
4	4/10/07		Conduct OFT/FLD on mealy bug in cotton crop	Suggestion accepted
			Promote a farmer for adoption of integration of multiple farming system	Suggestion accepted
			To add training on production technology of flower crops in Rabi season	Suggestion accepted
			To conduct training on value addition in Sesamum, Bajra and Wheat including Groundnut	Suggestion accepted
			To conduct training on weed control in wheat before sowing i.e., in October.	Suggestion accepted
			Celebration of International events like World Food Day, Environment Day, women day etc.	Suggestion accepted
			Conduct Women Training in collaboration with DRDA	Suggestion accepted
			Provision of transport facilities for farmers during On Campus training Programme	Suggestion accepted

Attach a copy of SAC proceedings along with list of participants : **(Attach Annexure – I)**

2. DETAILS OF DISTRICT (2006-07)

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

S. No	Farming system/enterprise
1	Groundnut – Wheat/ Cumin, Cotton – Summmer Groundnut/ Pulse crop
2	Dairy product
3	Vermicomposting
4	Fruit, Vegetable Preservation
5	Value addition in Groundnut, Til, Maize and Bajra

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

S. No	Agro-climatic Zone	Characteristics
1.	North Saurashtra Agro Climatic Zone (VI)	The total geographical area of the North Saurashtra Agro Climatic Zone is 35.2 Lack Ha. Out of total area, 73.40 per cent area falls under arid and semi-arid region. The soils of this zone are shallow to moderately deep. The soils of Rajkot district is medium in their availability of nitrogen while low in phosphorus and high in available potash except the available phosphorus and potash is in medium category in Lodhika Taluka. Monsoon commences usually by the middle of June and withdraws by middle of September. Average annual rainfall of districts is 589 mm.

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

* Jetpur, Dhoraji and Upleta Taluka falls under the V Agro – Climatic Zone and Tankara Taluka bifurcates from Morbi Taluka

2.3 Soil type/s

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

2.4. Area, Production and Productivity of major crops cultivated in the district (2005-06)

(in Lac)

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
Kharif Season				
	Groundnut	3.89	36.3	9.33
	Cotton	2.44	30.8	12.62
	Pearl Millet	0.24	3.8	15.83
	Sorghum	0.04	0.08	2.00
	Sesamum	0.29	0.6	2.07
	Castor	0.15	1.7	11.33
	Pegion pea	0.01	0.08	8.00
	Black gram	0.008	0.04	5.00
	Green gram	0.07	0.3	4.29
Rabi Season				
	Wheat	0.27	8.8	32.59
	Mustard	0.006	0.09	15.00
	Cumin	0.23	1.8	7.83
	Chick Pea	0.05	0.6	12.00
	Onion	0.06	13	216.67
	Garlic	0.08	8.5	106.25

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
October ' 06	0	34.95	22.57	59.25
November	0.8	33.47	17.27	42.5
December	0	29.44	14.04	53.6
January' 07	0.28	28.78	12.12	47.6
February	0	31.67	15.25	52.75
March	0	35.52	18.02	49.25
April	0	40.15	21.55	58.62
May	0	40.56	24.5	56.4
June	50.5	37.1	25.07	68.62
July	92.62	33	24.04	79.7
August	86.2	30.7	22.95	84.12
September	94.65	32.72	21.75	76.9

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

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

Category	Area	Production	Productivity
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

2.6 Details of Operational area / Villages (2006-07)

Sl. No.	Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Lodhika	Lodhika	Lodhika Makhavad Devgam Ratiaya Ravki Motavada Nagar Pipaliya Devla Chhapra Pal Metoda Sanganva Vagudad Chibhada	Groundnut, Cotton, Sesamum, Green gram, Black Gram. Wheat, Cumin, Chickpea, Garlic, Onion. Enterprises are dairy business, vermicomposting, preparation kharising and chikki from groundnut seed.	Heavy infestation of sucking pest in cotton and Sesamum leaf blight, Stem rot disease in Groundnut, Long inter-calving period in Buffalo, Nutritional deficiency in animal feed and fodder, Less area under Horticultural crops and Deficiency of Calcium in child of rural area	IPM and INM in major crops of this area, Reducing the inter-calving period in Buffalo, Motivate the farmers for arid Horticultural crops and Reduce the deficiency of Calcium in child of rural area

2.7 Priority thrust areas

S. No	Thrust area
1.	Increasing the productivity of the major crops by adopting recommended dry farming technologies.
2.	*In situ* soil moisture conservation and rainwater harvesting.
3.	Motivating cotton growers to adopt Integrated Pest Management (IPM) practices for reducing the cost of production.
4.	Promoting the arid horticulture.
5.	Enhancing productivity of milch animals by proper feeding and breeding management.
6.	Providing self employment through skill oriented income generating activities
7.	Developing interest among youth for agriculture as a profession.
8.	Value addition in agriculture produces through proper grading, processing, marketing and information technology.
9.	Minimizing the post harvest losses and to create the awareness for proper storage.

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2006-07

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	4	4	50	37	145	113

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
101	94	2525	2350	-	497	-	28568

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
-	35.05	-	-

3.B. Abstract of interventions undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Seed / Plant production	Ground nut	Use of bold seeds of groundnut for sowing purpose	Higher benefit through use of small/wrinkled seed	-	Improved package of practices for groundnut	Production technology of Kharif crops	Field day, Farmers meeting, Kisan Gosthi	-
2	Integrated Disease Management	Ground nut	Stem rot in groundnut	Disease management in Groundnut	-	IDM in Groundnut	Production technology of Kharif crops	Field day, Farmers meeting	*Trichoderma*
3	Integrated Pest Management	Ground nut	Indiscriminate use of pesticides for sucking pest	Pest management in Groundnut	-	Balance use of pesticide	-	Field day, Farmers meeting	Systemic pesticide
4	Resource conservation technology	Ground nut	Shallow plowing	Soil moisture conservation in groundnut	-	Soil moisture conservation	-	-	-

3.1 Achievements on technologies assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	2	3	2	2						9
Seed / Plant production		1								1
Weed Management										
Integrated Crop Management	2	3	2	2						9
Integrated Nutrient Management		1								1
Integrated Farming System						1				1
Mushroom cultivation										
Drudgery reduction		1		1						2
Farm machineries				1						1
Value addition		1				1				2
Integrated Pest Management	2	2	2							6
Integrated Disease Management		2								2
Resource conservation technology		1								1
Small Scale income generating enterprises		2								2
TOTAL	6	17	6	6	0	2	0	0	0	37

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	2	3	2	2						9
Seed / Plant production		1								1
Weed Management										
Integrated Crop Management	2	3	2	2						9
Integrated Nutrient Management		1								1
Integrated Farming System						1				1
Mushroom cultivation										
Drudgery reduction		1		1						2
Farm machineries				1						1
Post Harvest Technology		1				1				2
Integrated Pest Management	2	2	2							6
Integrated Disease Management		2								2
Resource conservation technology		1								1
Small Scale income generating enterprises		2								2
TOTAL	6	17	6	6	0	2	0	0	0	37

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

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

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management	1							1
Disease of Management								
Value Addition	1							1
Production and	1							1

Management								
Feed and Fodder	1							1
Small Scale income generating enterprises								
TOTAL	4							4

B. Details of each On Farm Trial to be furnished in the following format

OFT – 1 Groundnut Stem rot

1) Title of on-farm trials:- Methods of application of *Trichoderma* against stem rot disease in groundnut
2) Problem diagnose : 1. Low plant population
   2. Disease problems
   3. Lack of knowledge for use of recommended control measures
3) Details of technologies selected for assessment/refinement : Application method of bio-control agent *Trichoderma* for managing the disease problem in groundnut
4) Source of technology : JAU, Junagadh
5) Production system and thematic area : Integrated Disease Management
6) Performance of the Technology with performance indicators:

(Production per unit)

Sr. No.	T1	T2	T3
1	8.00	8.56	8.10

Treatment Details are as under…

1. Mix *Trichoderma* @ 2.5 kg /ha with 50 kg fine sand and soil application in side of groundnut row 30 days after sowing in moist condition (Farmers Methods)
2. Mixing *Trichoderma* @ 2.5 kg/ha with castor cake @ 500 kg/ha at the time of sowing with the help of multi purpose seed drill . (Recommended Practice by JAU).
3. Soil drenching of *Trichoderma* @ 50 gm/10 litter of water using spray pump without nozzle. (Intervention)

7) Final recommendation for micro level situation : Soil drenching of Trichoderma @ 50 gm/10 litter of water using spray pump without nozzle.
8) Constraints identified and feedback for research : --
9) Process of farmers participation and their reaction : Good control of stem rot disease and adopt this practice in large area

OFT – 2 Groundnut Aphid

1) Title of on-farm trials : Use of recommended insecticides for control of aphid in groundnut crop
2) Problem diagnose : Farmers make combination of two or more insecticides without knowing the compatibility and ultimately they do not success in controlling the pests.
3) Details of technologies selected for assessment/refinement : Use of recommended insecticides for control of aphid in groundnut crop
4) Source of technology : JAU, Junagadh

5) Production system and thematic area : Integrated Pest Management

6) Performance of the Technology with performance indicators :

(Production per unit)

Sr. No.	T1	T2	T3
1	8.26	7.80	8.40

Treatment details are as under…

1. Recommended practices: spry of systemic insecticides Dimethoate or Methyl-0-demetone @. 0.03 % (Recommendation)
2. Dusting of methyl parathion 2 % dust. (Farmers method)
3. Use of systemic insecticides viz. Thiomethoxam 0.005 % or Acetamiprid @ 0.005 % or imidachloprid @ 0.006 % at ETL of the pests.

7) Final recommendation for micro level situation - Use of systemic insecticides viz. Thiomethoxam 0.005 % or Acetamiprid @ 0.005 % or imidachloprid @ 0.006 % at ETL of the pests

8) Constraints identified and feedback for research : --

9) Process of farmers participation and their reaction : Farmer aware about control of aphid in Groundnut

OFT – 3 Moisture conservation in Groundnut

1) Title of on-farm trials : Soil moisture conservation for groundnut cultivation

2) Problem diagnose :

1. Shallow ploughing.
2. Lack of knowledge about soil moisture conservation and its importance.
3. Excess inters culturing.

3) Details of technologies selected for assessment/refinement : To adopt medium / deep ploughing and inter culturing as and when needed.

4) Source of technology : JAU, Junagadh

5) Production system and thematic area : Resource conservation technology

6) Performance of the Technology with performance indicators :

(Production per unit)

Sr. No.	T1	T2	T3
1	8.12	8.53	8.24

Treatments details are as under…

1. Shallow ploughing with 7 - 8 inter culturing . (Farmers Method).
2. Deep ploughing with 2 - 4 inter culturing . (Recommended practice).
3. Medium deep ploughing with 4-5 times inters culturing. (Intervention)

7) Final recommendation for micro level situation - Medium deep ploughing with 4-5 times inters culturing

8) Constraints identified and feedback for research ; --

9) Process of farmers participation and their reaction : Farmers aware about benefit of medium deep ploughing

OFT – 4 Use of wrinkled / small seed of Groundnut for sowing

1) Title of on-farm trials : Higher benefit through use of wrinkled/small seed of Groundnut for sowing

2) Problem diagnose :

1. Use of bold seeds of groundnut for sowing purpose.
2. Lack of knowledge about recommendation.

3) Details of technologies selected for assessment/refinement : Higher benefit through use of wrinkled/ small seed of groundnut.

4) Source of technology : JAU, Junagadh

5) Production system and thematic area : Seed / Plant production

6) Performance of the Technology with performance indicators :

(Production per unit)

Sr. No.	T1	T2	T3
1	8.30	8.85	8.50

Treatments details are as under…

1. Use of Bold seed for sowing purpose (Farmers Method).
2. Use of Wrinkled / small seed for sowing purpose. (Recommended practice).
3. Use of Mixed seed for sowing purpose. (Intervention)

7) Final recommendation for micro level situation - Use of Mixed seed for sowing purpose

8) Constraints identified and feedback for research ; --

9) Process of farmers participation and their reaction : Farmers aware about benefit of sowing mix seeds in groundnut

C. Results of On Farm Trials

Attach Annexure - II

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 2006-07 and recommended for large scale adoption in the district

Sl. No	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	Varietal Evaluation	Seeds of Guj. Groundnut-5	Short duration, bunch type and high yielding	14	150	125
2	Varietal Evaluation	Seeds of Guj. Cumin-4	Tolerant to wilt and blight disease	20	175	317
3	Varietal Evaluation	Seeds of Guj. Wheat-496/322	High yielding	10	160	234

b. Details of FLDs implemented during 2006-07 (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

Oilseeds

Sl. 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	Seeds of GG-5	Kharif -07	8	8	1	19	20	-
2	Sesamum	Varietal Evaluation	Seeds of GT-2	Kharif - 07	4.8	4.8	1	11	12	-
3	Mustard	Varietal Evaluation	Seeds of GM-2	Rabi -06	4.8	4.8	1	11	12	-

Pulses

Sl. 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	Green gram	Varietal Evaluation	Seeds of GM-4	Kharif – 07	2.0	2.0	1	4	5	-
2	Pigeon pea	Integrated Crop Management	Intercropping	Kharif – 07	0	0.8	0	2	2	-

Cotton

Sl. 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	Integrated Pest Managemen	Pesticides	Kharif – 07	4.0	4.0	2	8	10	-

Commercial crops (Cumin)

Sl. 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	Seeds of GC-4	Rabi -06	4.8	4.8	1	11	12	-

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					
Groundnut	Kharif	RF	M. B.	M	M	M	Cumin	21-6-07	-	1110	34
Sesamum	Kharif	RF	M. B.	M	M	M	Wheat	23-6-07	-	1110	34
Mustard	Rabi	Irrigated	M. B.	M	M	M	Groundnut	25-10-06	28-1-07	-	-
Cumin	Rabi	Irrigated	M. B.	M	M	M	Black gram	15-11-06	5-2-07	-	-
Green gram	Kharif	RF	M. B.	M	M	M	Bajra	21-6-07	-	1110	34
Pigeon pea	Kharif	RF	M. B.	M	M	M	Groundnut	2-8-07	-	1110	34
Cotton	Kharif	Irrigated	M. B.	M	M	M	Groundnut	24-6-07	-	1110	34

M. B. – Medium Black M. – Medium

Performance of FLD

Sl. 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 (Rs.)	
						H	L	A			Demo	Local
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Mustard	Variety	GM-2	12	4.8	23.75	12.50	16.56	14.69	12.77	75	-
2	Cumin	Variety	GC-4	12	4.8	7.5	3.75	5.52	4.84	13.98	562.5	-
3	Groundnut	Variety	GG-5	20	8.0	-	-	-	-	-	-	-
4	Groundnut	*Trichoderma*	-	10	4.0	-	-	-	-	-	-	-
5	Sesamum	Variety	GT-2	14	5.6	-	-	-	-	-	-	-
6	Green gram	Variety	GM-4	5	2.0	-	-	-	-	-	-	-
7	Cotton	Pesticide	-	10	4.0	-	-	-	-	-	-	-
8	Castor	Intercropping	GC-1	5	2.0	-	-	-	-	-	-	-
9	Pigeon pea	Intercropping	BDN-2	2	0.4	-	-	-	-	-	-	-
10	Vermicompost unit	Vermiculture	-	10	-	-	-	-	-	-	-	-
11	Compost Unit	Composting	-	10	-	-	-	-	-	-	-	-

Economic Impact (continuation of previous table)

Average Cost of cultivation (Rs./ha)		Average Gross Return (Rs./ha)		Average Net Return (Profit) (Rs./ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
14	15	16	17	18	19	20
6000	7000	9108	8079.5	3108	1079.5	1:1.52
15000	18000	33120	29040	18120	11040	1:2.21
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

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
Mustard	Rabi	1. Seed/Variety	Irrigated	16.56	14.69	12.77
Cumin	Rabi	1. Seed/Variety	Irrigated	5.52	4.84	13.98
Groundnut	Kharif	1. Seed/Variety	Rainfed	-	-	-
Sesamum	Kharif	1. Seed/Variety	Rainfed	-	-	-
Green gram	Kharif	1. Seed/Variety	Rainfed	-	-	-
Castor	Kharif	1. Seed/Variety	Rainfed	-	-	-
Pigeonpea	Kharif	1. Seed/Variety	Rainfed	-	-	-
Vermicompost unit	-	2. Bio-fertilizer	-	-	-	-
Compost Unit	-	2. Bio-fertilizer	-	-	-	-
-	-	3. Fertilizer management	-	-	-	-
Cotton	Kharif	4. Plant Protection	Rainfed	-	-	-
Groundnut	Kharif	4. Plant Protection	Rainfed	-	-	-
-	-	5. Combination of components (Please specify)	-	-	-	-

Technical Feedback on the demonstrated technologies

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

Farmers' reactions on specific technologies

Sl. No.	Feed Back
1	Imidacloprid insecticides are good for the control of sucking pest.
2	Groundnut bunch type variety GG-5 is the most suitable in the area.
3	Application of *Trichoderma* is very useful for minimizing the stem rot in groundnut but at the time of application (30 to 40 DAS) unavailability of moisture is the major problem.
4	Intercropping groundnut+pigeonpea and groundnut+castor is beneficial for minimizing the risk factor in rainfed farming but the wild animal (Black bull) is the major problem.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	6	-	178	-
2	Farmers Training	25	-	526	-
3	Media coverage	3	-	-	-
4	Training for extension functionaries	-	-	-	-

c. Details of FLD on Enterprises

(i) Farm Implements : NIL

Name of the implement	crop	No. of farmers	Area (ha)	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
- NIL -								

** Field efficiency, labour saving etc.*

(ii) Livestock Enterprises : 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		
- NIL -								

** 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	*Isinia foetida*	10	10	-	-	-	-	-
Compostin	*C- Lytic Bacteria*	10	10	-	-	-	-	-

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

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	33	10	43	6	-	6	49
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production	-	-	-	-	-	-	-	
Nursery management								
Integrated Crop Management	4	65	12	77	12	1	13	90
Fodder production								
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	43	-	43	2	-	2	45
Off-season vegetables								
Nursery raising	1	18	2	20	6	-	6	26
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	2	42	2	44	10	-	10	54
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								
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	24	18	42	2	2	4	46
Soil and Water Conservation								
Integrated Nutrient Management	1	24	13	37	8	4	12	49
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	2	28	7	35	2	-	2	37
Poultry Management								
Piggery Management								
Rabbit Management								
Disease Management	5	64	60	124	13	4	17	141
Feed management	2	39	5	44	6	1	7	51
Production of quality animal products	1	18	-	18	5	-	5	23
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening								
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition	2	10	68	78	1	4	5	83
Income generation activities for empowerment of rural Women	2	8	58	66	2	10	12	78
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care	2	9	50	59	2	12	14	73
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements	1	16		16	1		1	17
Repair and maintenance of farm machinery and implements	1	15		15	2		2	17
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management	3	70	10	80	9	2	11	91
Integrated Disease Management	3	56	19	75	9	4	13	88
Bio-control of pests and diseases	2	30	8	38	12	4	16	54
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								

Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production	1	18	15	33	3	2	5	38
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								
XII Others (Pl. Specify)								
TOTAL	40	630	357	987	113	50	163	1150
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming	1	30	5	35	6	2	8	43
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	1	38	5	43	10	-	10	53
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	02	68	10	78	16	02	18	96
(C) Extension Personnel								
Productivity enhancement in field crops	02	54	08	62	15	04	19	81
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	01	19	-	19	03	-	03	22
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
TOTAL	3	73	8	81	18	4	22	103

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	36		36	5		5	41
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management	2	42		42	5		5	47
Fodder production								
Production of organic inputs	1	18	5	23	3	-	3	26
II Horticulture								
a) Vegetable Crops								

Production of low volume and high value crops	1	28	-	28	2	-	2	30
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit	2	19	-	19	3	-	3	22
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques	1	22	-	22	4	-	4	26
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants	1	25	-	25	4	-	4	29
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	1	17	-	17	-	-	-	17
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management	1	30		30	2		2	32
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops	1	32		32	3		3	35
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management	2	58	-	58	7	-	7	65
Poultry Management								
Piggery Management								
Rabbit Management								
Disease Management	4	127	1	127	14	-	14	141
Feed management	2	42	-	42	7	-	7	49
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								
Storage loss minimization techniques	1	-	31	31	-	2	2	33
Value addition	3	-	67	67	-	7	7	74
Income generation activities for empowerment of rural Women	2	-	42	42	-	8	8	50
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care	2	-	45	45	-	5	5	50
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	36	-	36	6	-	6	42
Use of Plastics in farming practices								
Production of small tools and implements	1	25	-	25	-	-	0	25
Repair and maintenance of farm machinery and implements	3	66	-	66	12	-	12	78
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management	3	78	-	78	13	-	13	91
Integrated Disease Management	3	81	-	81	15	-	15	96
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production	1	32		32	5		5	37
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								
XII Others (Pl. Specify)								
TOTAL	**41**	**814**	**191**	**1005**	**110**	**22**	**132**	**1137**
(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								
Any other (Pl. Specify)								
TOTAL								

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	4	69	10	79	11	-	11	90
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management	6	107	12	119	17	1	18	138
Fodder production								
Production of organic inputs	1	18	5	23	3	-	3	26
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	3	71	-	71	4	-	4	75
Off-season vegetables								
Nursery raising	2	40	2	42	10	-	10	52
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	4	61	2	63	13	-	13	76
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	25	-	25	4	-	4	29
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	1	17	-	17	0	-	0	17
Post harvest technology and value addition								

III Soil Health and Fertility Management								
Soil fertility management	2	48	15	63	5	2	7	70
Soil and Water Conservation								
Integrated Nutrient Management	2	56	18	74	5	2	7	81
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	4	86	7	93	9	-	9	102
Poultry Management								
Piggery Management								
Rabbit Management								
Disease Management	9	191	61	252	27	4	31	283
Feed management	4	81	5	86	13	1	14	100
Production of quality animal products	1	18	-	18	5	-	5	23
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening								
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	-	31	31	-	2	2	33
Value addition	5	10	135	145	1	11	12	157
Income generation activities for empowerment of rural Women	4	8	100	108	2	18	20	128
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care	4	9	95	104	2	17	19	123
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	36	-	36	6	-	6	42
Use of Plastics in farming practices								
Production of small tools and implements	2	41	-	41	1	-	1	42
Repair and maintenance of farm machinery and implements	4	81	-	81	14	-	14	95
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management	6	148	10	158	22	2	24	182
Integrated Disease Management	6	137	19	156	24	4	28	184
Bio-control of pests and diseases	2	30	8	38	12	4	16	54
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								

Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production	1	18	15	33	3	2	5	38
Organic manures production	1	32		32	5		5	37
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								
XII Others (Pl. Specify)								
TOTAL	**81**	**1444**	**548**	**1992**	**223**	**72**	**295**	**2287**
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming	1	30	5	35	6	2	8	43
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition	1	38	5	43	10	-	10	53
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	**02**	**68**	**10**	**78**	**16**	**02**	**18**	**96**
(C) Extension Personnel								
Productivity enhancement in field crops	02	54	08	62	15	04	19	81
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	01	19	-	19	03	-	03	22
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
TOTAL	**3**	**73**	**8**	**81**	**18**	**4**	**22**	**103**

Date	**Clientele**	**Title of the training programme**	**Duration in days**	**Venue (Off / On Campus)**	**Number of participants**			**Number of SC/ST**		
					Male	**Female**	**Total**	**Male**	**Female**	**Total**
Attach Annexure - III										

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	**Identified Thrust Area**	**Training title**	**Duration (days)**	**No. of Participants**			**Self employed after training**			**No. of persons employed else where**
				Male	**Female**	**Total**	**Type of units**	**No. of units**	**No. of persons employed**	
Income generation	Women empowerment	Preparation of different Bakery items	2 Days	-	60	60	Bakery items preparation	1	4	
Fruit production	Low area under Horticultural crops	Propagation of Horticultural crops	1 Day	-	104	104				
Vermi-composting	Deterioration of Soil Fertility/Health	Techniques of Vermi composting	1 Day	-	20	20	Vermi-compost	3	3	
Total				**-**	184	184				

(E) Sponsored Training Programmes

Sl No.	Title	Thematic area	Month	Duration (days)	Client *	No. of courses	No. of Participants							Sponsoring Agency
					PF/RY/EF		Male		Female		Total			
							Others	SC/ST	Others	SC/ST	Others	SC/ST	Total	
1.	Loans/ Subsidies for Dairy animal	Production & Management	June-2007	1 Day	PF				44	9		44	9	Mahila Vikas Mandal-Rajasthali
2.	Bank loans for field crops/ crop insurance	Integrated Crop Management	July-07	1 Day	PF		50	10				50	10	NHRDF-Rajkot
Total							50	10	44	9		94	19	

* PF= Practicing Farmers, RY= Rural Youth, EF= Extension Functionary

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8	9	10	11
Field Day	21	1427	60	1487	12	-	12	1439	60	1499
Kisan Mela (Participated)	1	-	-	-	-	-	-	-	-	12690
Kisan Ghosthi	15	401	71	472	-	-	-	401	71	472
Exhibition	-	-	-	-	-	-	-	-	-	-
Film Show	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	-	-	-	-	-	-	-	-	-	-
Farmers Seminar	3	897	22	919	-	-	-	897	22	919
Workshop	-	-	-	-	-	-	-	-	-	-
Group meetings	8	546	177	723	-	-	-	546	177	723
Lectures delivered as resource persons	65	5426	1651	7077	-	-	-	5426	1651	7077
Newspaper coverage	61	-	-	-	-	-	-	-	-	-
Radio talks	6	-	-	-	-	-	-	-	-	-
TV talks	8	-	-	-	-	-	-	-	-	-
Popular articles	7	-	-	-	-	-	-	-	-	-
Extension Literature	5	-	-	-	-	-	-	-	-	-
Advisory Services	178	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	95	1063	38	1101	-	-	-	1063	38	1101
Farmers visit to KVK		1423	536	1959	-	-	-	1423	536	1959
Diagnostic visits	8	410	125	535	-	-	-	410	125	535
Exposure visits	-	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	5	180	26	206	-	-	-	180	26	206
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-

1	2	3	4	5	6	7	8	9	10	11
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-
Celebration of "National Nutrition Week	1	-	18	18	-	7	7	-	25	25
Khedut Shibir	10	1116	246	1362	-	-	-	1116	246	1362
Total	**497**	**12889**	**2970**	**15859**	**12**	**7**	**19**	**12901**	**2977**	**28568**

3.5 Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (Kg)	Value (Rs.)	Provided to No. of Farmers
CEREALS					
OILSEEDS	Mustard	GM-2	12	360	12
	G'nut	GG-5	1200	45000	20
	Sesamum	GT-2	14	840	14
	Castor	GC-1	10	780	5
PULSES	Greengram	GM-4	50	2800	5
	Pigeonpea	BDN-2	4	260	2
VEGETABLES					
FLOWER CROPS					
OTHERS (Specify)	Cumin	GC-4	24	2700	12
	Trichoderma	*T. harzianum*	500	50000	400
	Vermi worm	*Eisina foetida*	150	30000	100
	Composting bacteria	*Cylitic bacteria*	100	8000	70

SUMMARY

Sl. No.	Crop	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	CEREALS			
2	OILSEEDS	1236	46980	51
3	PULSES	54	3060	7
4	VEGETABLES			
5	FLOWER CROPS			
6	OTHERS	774	90700	582
TOTAL		2064	140740	640

PLANTING MATERIALS - NIL -

Sl. No.	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.	Crop	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	**- NIL -**		

BIO PRODUCTS

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
BIOAGENTS						
1 *Trichoderma*	Trichoderma powder	*Trichoderma harzianum*	10	10	1000	10
BIOFERTILIZERS						
1 Vermicompost	Earthworm	*Eisina foetida*	10	10	2000	10
2 Composting	C-lytic	*Cylitic bacteria*	10	10	800	10
BIO PESTICIDES						
1						

SUMMARY

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
1	BIOAGENTS	*Trichoderma harzianum*	10	10	1000	10
2	BIO FERTILIZERS	*Eisina foetida*	10	10	2000	10
		Sylitic bacteria	10	10	800	10
3	BIO PESTICIDE					
	TOTAL		30	30	3800	30

LIVESTOCK : - NIL -

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos	Kgs		
Cattle						
SHEEP AND GOAT						
POULTRY						
FISHERIES						

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	**- NIL -**				

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

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

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers	Antibiogram of Micro-Organisms Isolated from subclinical mastitis in Camels	Kathiriya J. B. and Shah N. M.	1
Technical reports	Monthly Progress Report Quarterly Progress Report Moniterable Quarterly Progress Report Annual Progress Report	Krishi Vigyan Kendra, Targhadia	5
News letters			
Technical bulletins	Training Manual for KVK Personnel	Dr. B. B. Kabaria and Dr. M. S. Gajera	1
Popular articles			
	Vadhu Doodh Utpadan Kevi rite Melvasho ?	Dr J. B. Kathiriya, Dr. M.B. Viradia and Dr. B.B. Kabaria	1
	Ghauna Paralni Uriya prakriya	Dr J. B. Kathiriya, Dr. M.B. Viradia, Dr. N. D. Polara and Dr. B.B. Kabaria	1
Extension literature			
	Pasupalama Vigyanik Abhigam Apanavi Vadhu Dudh Utpadan Melavie	Dr. J. B. Khathiriya & Dr. B. B. Kabaria	1
	Ghavna Paral Nu Posan Mulya Vadharvani Vigyanik Padhati	Dr. J. B. Khathiriya & Dr. B. B. Kabaria	1
	Jaminmathi Lidhelu Jaminane parat Api kudarati Kram Jalvo	Dr. M. B. Viradiya & Dr. B. B. Kabaria	1
	Amlani Mulya Vardhit Banavato	Miss H. A. Manvar & Dr. B. B. Kabaria	1
	Suka Ane Ardha suka Vistarma Fal pakoni Kheti	Dr. N. D. Polara & Dr. B. B. Kabaria	1
Others (Pl. specify)			
TOTAL	**-**	**-**	**14**

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

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

3.7. Success stories/Case studies, if any

1. Cultivation of New Mustard variety (GM-2)

Mr. Parshotambhai Bhut is the farmer of Chhapra village of Lodhika Taluka, District Rajkot. He is a progressive farmer and regularly in touch with KVK, Targhadia. Previously he was cultivating Wheat and Cumin crop. After coming in contact with the scientist of KVK, Targhadia he cultivated the improved and recently release variety of mustard (Gujarat Mustard – 2) as a Front Line Demonstration and harvested good yield (23.75 Q/ha) as compared to local one (14.69 Q/ha) during Rabi 2006-07. With introduction of new variety, he got high additional net return.

Impact:
This variety GM-2 will increase the production of Mustard from 14.69 to 23.75 Q/ha which will improve the economic condition of farmers of Saurashtra area.

2. Minimise the problem of wilt and blight disease in cumin

Mr. Laljibhai Saipariya is the farmer of Rataiya village of Lodhika Taluka, District Rajkot. He is a progressive farmer and regularly in touch with KVK, Targhadia. Previously he was cultivating Wheat and Cumin crop with old variety in Rabi season. In this cumin cultivation he suffered lot of from heavy infestation of wilt and blight diseases as a result there was a considerable loss in yield of the cumin. After coming in contact with the scientist of KVK, Targhadia he cultivated the improved and recently release variety of cumin (Gujarat Cumin – 4) as a Front Line Demonstration and harvested good yield (7.50 Q/ha) as compared to local one (4.85 Q/ha) during Rabi 2006-07. With introduction of new variety, he found this variety of cumin is highly tolerant to wilt and blight disease and he got high additional net return.

Impact:
This variety GC-4 will increase the production of Cumin from 4.85 to 7.50 Q/ha which will improve the economic condition of farmers of Saurashtra area.

3. Higher benefit through Use of small/wrinkled seed of Groundnut crop

Farmers prefer the bold seeds of groundnut for sowing purpose because they believe that bold seed of groundnut have luxurious growth of plant and produce more yield in the cluster of KVK due to this seed requirement per unit area is more than recommended seed rate. at the time of off campus training Programme, it was suggested that small/ wrinkled / medium seeds of groundnut are equally good for germination as well as for yield potential. Mr. Ravjibhai Bhut took the initiative interest for the same and he has been allotted O.F.T. on 0.4 ha. of land with 3 treatments i.e. sowing of small seeds, bold seeds and mixed seeds. He obtained 23.76 q/ha. yield of groundnut from small seed plot, 21.40 q/ha from mixed seed plot and 20.50 q/ha from bold seed plot. A field day was organized on his field for encouraging the farmers and advised not to remove the small/ wrinkled seeds from the seed materials which in turn save the 24 % requirement of seeds and also reported high yield due to optimum plant population in unit area.

Impact:
A saving of around Rs. 150 crores on cost of groundnut seed in area of 18 lakh ha. of Gujarat state.

4. Bumper harvest through Groundnut Variety GG-7 in Rajkot District

Mr. Dhirubhai Rajgor is a famrer of Juna Rajpipla village of Kotda Sagani taluka, Dist. Rajkot. He is a progressive farmer and he regularly remains in touch with the activities of KVK. Previously he was cultivating groundnut with locally available seed and was getting lower yield. after coming in contact with the scientist of KVK, he cultivated the improved variety of groundnut i.e. GG-7 as Front Line Demonstration and harvested good yield (24.00q/ha) as compared to local one (19.25 q/ha) during Kharif 2002. With the introduction of new variety, he got additional net return of Rs. 81500.00 ha as he sold the groundnut as seed purpose to the other neighboring farmers at the rate of Rs. 50/kg. By observing his experience, other farmers of this region are inquiring about the source of the seeds of the improved variety as well as cultivation practices of the same.

Impact:
This variety (GG-7) will increase the production of groundnut from 19.25 q/ha to 24.00 q/ha which will increase the economic growth of the state by earning additional income.

5. An effective approach for the management of groundnut stem rot :

Groundnut and cotton are the major Kharif crops and cumin in Rabi season in operational area of KVK. During the survey in March 2001, it was observed that majority of farmers are growing groundnut variety GG-20 with wide spreading of 90 cm, so that agricultural practices can be done easily. farmers are recommended to sow groundnut by keeping row spacing of 60 cm and for controlling the stem rot, seed should be treated with trichoderma culture @ 4 gm/kg seeds and soil application @ 2.5 kg with 50 kg of castor cake at 30-40 days after sowing by using drill in moist condition. by organizing the activities like group discussion, night meeting, field day etc. Mr. Bhupatsinh Jadeja a farmer of Devalia village who took the interest to conduct demonstration under complete guidance and frequent supervision of KVK scientist. After adopting this improved technology, Mr. Bhupatsinh Jadeja harvest Groundnut pod yield of 31.25 q/ha with gross return of Rs. 46875 per ha as compared to 23.75 q/ ha with gross return of Rs. 35625 per ha by traditional practice.

As a result of the front line demonstration organized by KVK scientists an active role of Mr. Bhupatsinh Jadeja, other farmers of the village are also convinced to adopt scientific technology for higher groundnut production and getting maximum net return per unit area.

Impact:

Additional yield can be obtained in case of Groundnut by application of *Trichoderma*.

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

- Introduction of new variety of groundnut i.e. Shedubhar, Tata Sumo, Samudri, Sandhiyo
- Use of cow urine, butter milk, ash etc for insect pest management.
- Use of Tricoderma harzianum against stem rot disease of groundnut.
- Use of bold seed of groundnut for sowing purpose.
- Cotton Stalk Shredder
- Wheel Hoe
- Cotton Stalk Puller
- Tractor mounted spryer
- Chaff Cutter for Minimizing the Animal Fodder Waste
- IPM in Cotton-Use of Trappe crop, pinger crop, Pheromone trap, etc.
- Gasify Plant- Use of Non-conventional Energy
- Biogas Plant
- Minimizing the Fertilizer and Maximizing organic manure in Cotton crop

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Groundnut	Farmers maintain a set furrow system and apply manure and fertilizer every year in the same furrow.	To get residual effect of manure and fertilizer in succeeding crop
2	Groundnut	Some farmers near the river bed apply sand in the set furrow for increasing infiltration rate of the soil	To reduce the waterlog condition
3	Kharif crops	Farmer apply supplementary irrigation to the crops during moisture stress condition	For life saving irrigation to minimize the risk of crop failure
4	Cotton	Farmers grow Maize after 3-4 rows of cotton to reduce the pest population	To increase the natural enemies of pest
5	Cotton	After heavy rain, farmer apply irrigation to balance the salt concentration at top of soil	To balance the salt concentration

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

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

3.11 Field activities

i. Number of villages adopted : 14
ii. No. of farm families selected : 90
iii. No. of survey/PRA conducted : 03

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Working

1. Year of establishment : 2006-07
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1	Electronic balance	1	10640
2	Electronic balance (model-Sp 1200)	1	6720
3	Analytical balance	1	100000
4	Lotary sacking machine with spare plat form	1	20580
5	Laboratory willey mill scientific type	1	26040
6	Electro quip hot air oven	1	15700
7	Electro quip laboratory hot plate	1	4800
8	Spectrophotometer systronic Mac UV-GIS (model-118)	1	78000
9	Systronic Mac Digital Ph meter with Electrode (model-335)	1	6200
10	Systronic Mac Microprocessor base Flame photometer (model-128)	1	7800
11	Systronic Mac Digital conducting meter with cell (model-304)	1	35200
12	Solar still distil water plant (unit-10)	1	45000
13	Balaji Biogas Plant	1	42000
14	Reverse Osmosis Purifier System (Capacity-3 lit)	1	8000
15	Wooden Executive table	4	19300
16	Wooden Side Rack	6	17100
17	Wooden Dias Table	2	8900
18	Wooden Office Chair	6	7625
19	Wooden executive table	4	26000
20	Wooden table	4	22000
Total		40	507605*

* All the necessary chemicals purchased

3. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples	25	25	5	-
Water Samples	25	25	5	-
Total	50	50	10	-

4.0 IMPACT

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

An interview schedule was prepared to measure the impact of KVK activities such as training, FLD, OFT on beneficiaries. An attempt was made to study the profit of the participant trainees, knowledge and adoption of different agricultural technology and increase in yield in major crops before KVK and after KVK. An interview schedule was prepared in local language and 100 participant trainees were selected for the study by random sampling method. This study was conducted with following objectives…

1. To know the profile of trainees
2. To identify the agricultural information sources before and after KVK
3. To assess the knowledge and adoption of trainees about agricultural technology before and after KVK
4. To assess the yield production of major growing crops before and after KVK

(1) Profile of the trainees

A. Age of the participants

Sr. No.	Category	Percentage
1	Upto 35 years	33
2	36 to 50 years	47
3	More than 50 years	20

The data indicate that less than 50 per cent of the participants belong to 36 to 50 years age group and 33 per cent of the participants were from the young age group. Hence, more emphasis may be given to attract young age farmers to participate in KVK activities.

B. Educational status of the participants

Sr. No.	Category	Percentage
1.	Illiterate	20
2.	Primary level	40
3.	S.S.C. / H.S.C. level	34
4.	Graduate and above	6

Majority of the respondent farmers were having either primary or high school education. The data also show that a very few (6%) of the respondents were graduate and above. It shows that they are not interested in agriculture and allied aspects. They may be interested in other vocations or service.

C. Area of farm land (Hectares)

Sr. No.	Category	Percentage
1.	Less than 1 ha.	12
2.	1 to 10 ha.	81
3.	More than 10 ha.	7

The data indicate that majority (81%) of the participant farmers were having land 1 to 10 ha.

D. Annual income (Rupees)

Sr. No.	Category	Percentage	
		Before KVK	At present
1.	10000 to 50000	27	11
2.	50001 to 100000	25	22
3.	More than 100000	48	67

The farmers having annual income of Rs. 10000 to Rs. 50000 were27 per cent, where as 25 per cent farmers had Rs. 50001 to Rs.100000 and 48 per cent of the farmers were having annual income more than Rs. 100000 before KVK. At present 67 per cent farmers were having annual income more than Rs. 100000, 22 per cent were having Rs. 50001 to Rs. 100000 and 11 per cent were having Rs. 10000 to 50000. It shows that after KVK, the annual income of the farmers has increased to some extent.

(2) Sources of agricultural information before KVK and at present

Sr. No.	Sources of agril. Information	Percentage	
		Before KVK	At present
1.	Radio	57	69
2.	Television	27	75
3.	Telephone	4	28
4.	News paper	42	58
5.	Agril. Literature	26	55
6.	KVK scientists	-	100
7.	NGOs	7	13
8.	Agro agencies	45	79

The data presented in the above table indicated that 57 per cent of the participants got agril. Information from radio, 45 per cent from agro agencies, 42 per cent from news paper, 27 per cent from T.V., 26 per cent from agril. Literature, 7 per cent from NGOs and 4 per cent by telephone before the KVK in this area. But at present, all the participated respondents are obtaining agril. Information from the KVK scientists, 75 per cent from the T.V., 69 per cent from radio, 58 per cent from newspapers, 55 per cent from agril. Literature, 28 per cent through telephone help line, 79 percent from agro agencies and 13 per cent from NGOs. These show that KVK has helped the farmers to have access to farm information.

(3) Knowledge and adoption of agril. Technology before KVK and at present By trainees

A. Knowledge and adoption of Groundnut production technology

Sr. No.	Particular	Before KVK		At present	
		Knowledge (%)	Adoption (%)	Knowledge (%)	Adoption (%)
1.	High yielding varieties				
	a. Spreading GG-11,12,13	47	24	91	32
	b. Semi spreading GG-20	81	65	100	92
	c. Erect GG- 2,4,6,7	79	60	99	78
2.	Sowing time	100	99	100	100
3.	Seed rate	65	52	100	90
4.	Seed treatment of *Trichoderma* culture	5	0	91	53
5.	Row spacing	26	16	100	77
6.	Application of FYM	94	86	100	97
7.	Application of Fertilizer	49	45	98	89
8.	Irrigation	87	80	99	95
9.	Control measures for diseases	28	21	97	82
10.	Control measures for insect-pests	33	26	99	93

B. Knowledge and adoption of Cotton production technology

Sr. No.	Particular	Before KVK		At present	
		Knowledge (%)	Adoption (%)	Knowledge (%)	Adoption (%)
1.	High yielding varieties G.Cot.Hy.-6,8,10	66	25	100	22
2.	Sowing time	100	94	100	98
3.	Seed rate	35	21	100	56
4.	Seed treatment	78	69	100	95
5.	Row spacing	16	7	99	45
6.	Application of FYM	86	76	100	85
7.	Application of Fertilizer	22	15	99	79
8.	Irrigation	91	88	98	92
9.	Control measures for diseases	18	14	93	82
10.	Control measures for insect-pests	19	16	99	88

C. Knowledge and adoption of Cumin production technology

Sr. No.	Particular	Before KVK		At present	
		Knowledge (%)	Adoption (%)	Knowledge (%)	Adoption (%)
1.	High yielding varieties Guj.Cumin-1, 2, 3	30	17	98	59
2.	Sowing time	99	92	100	95
3.	Seed rate	56	37	100	67
4.	Seed treatment	45	37	98	80
5.	Row spacing	93	84	100	92
6.	Application of FYM	57	46	93	59
7.	Application of Fertilizer	38	31	97	80
8.	Irrigation	80	73	100	93
9.	Control measures for diseases	22	20	100	89
10.	Control measures for insect-pests	28	21	100	91

D. Knowledge and adoption of Wheat production technology

Sr. No.	Particular	Before KVK		At present	
		Knowledge (%)	Adoption (%)	Knowledge (%)	Adoption (%)
1.	High yielding varieties GW – 496, 273	33	14	100	40
2.	Sowing time	99	97	100	98
3.	Seed rate	71	53	98	89
4.	Row spacing	46	26	99	71
5.	Application of FYM	65	53	97	75
6.	Application of Fertilizer	35	28	98	87
7.	Irrigation	95	91	99	96

E. Knowledge and adoption of Chickpea production technology

Sr. No.	Particular	Before KVK		At present	
		Knowledge (%)	Adoption (%)	Knowledge (%)	Adoption (%)
1.	High yielding varieties Guj.Gram-2	17	5	98	37
2.	Seed rate	58	44	100	79
3.	Row spacing	59	39	100	78
4.	Seed treatment	37	36	95	68
5.	Irrigation	86	81	99	87
6.	Plant protection	20	13	100	78

(4) Yield production of major growing crops before KVK and at present

Sr. No.	Name of crop	Yield (qt. / ha.)		Yield increased in %
		Before KVK	At present	
1.	Groundnut	13.46	19.20	42.64
2.	Cotton	15.15	17.74	17.09
3.	Cumin	5.42	6.64	22.50
4.	Chickpea	11.25	11.72	4.17
5.	Wheat	31.72	33.26	4.84
6.	Other pulses	20.00	25.83	29.15
7.	Sesamum	7.92	8.75	10.47
8.	Bajra	18.75	23.00	22.66
9.	Vegetables	81.47	85.08	4.43

From above table the yield of the groundnut, cotton, cumin, pulses and bajra crops have been increased considerably while there is a meager increase in yield of chickpea, wheat, sesamum and vegetables. This may be due to the adoption of recommended production technology and integrated pest management approaches suggested by the KVK scientists to the farmers during training programmes, field days, celebration of crop production week, etc.

4.2. Cases of large-scale adoption

- Adoption of *Trichoderma* for the management of Groundnut Stem rot disease.
- Adoption of Intercropping to minimize the risk the factor under dry farming condition.
- Adoption of new variety of cumin (GC-4)
- Adoption of new variety of wheat (GW-496)
- Adoption of new variety of gram (GG-2)
- Adoption of IPM/INM technology in cotton.
- Adoption of new variety of groundnut (GG-5 / GG-7)
- Adoption of rain water management technology
- Adoption of fodder cutting technology for cattle

4.3 Details of impact analysis of KVK activities carried out during the reporting period

As per 4.2

5.0 LINKAGES

5.1 Functional linkage with different organizations

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

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.)
Cotton Mini Mission Project (State Department of Agriculture)	March-07	GUJCOMASOL	100000-00

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district : **No**

S. No.	Programme	Nature of linkage	Remarks
- Not Applicable -			

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
- Not Applicable -			

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
- Not Applicable -			

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

Sl. No	Demo Unit	Year of estt.	Area	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Water Harvest Structure	2001	40x 30x 15 mt	-	-	-	-	-	-
2	Arid Horticulture	-	-	Guj. Aonla -1	Fruit	593 kg	-	3271	-
3	Soil Testing Lab	2006	-	-	-	-	710000	-	-

4	Bio Gas Plant	2006	-	-	-	-	42000	-	-
5	Tractor mounted sprayer	2007	-	-	-	-	43000	-	-
6	Dibbler	2007	-	-	-	-	900	-	-
7	Cotton Stalk Shredder	2007	-	-	-	-	43000	-	-
8	Cotton Stalk Puller	2007	-	-	-	-	1200	-	-
9	Wheel Hoe	2007	-	-	-	-	1260	-	-

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. (kg)	Cost of inputs	Gross income	
Cereals									
Pulses									
Black Gram	4-7-06	2-10-06	2.53	T-9	Certified	760	1275	28800	-
Oilseeds									
Groundnut	2-7-06	18-10-06	3.00	GG-5	Breeder seed	2245	20250	95525	-
Groundnut	2-7-06	20-10-06	1.88	GG-20	General	930	8500	20339	-
Sesamum	4-7-06	29-9-06	2.70	GT-1	Certified	465	378	17334	-
Sesamum	4-7-06	29-9-06	1.00	GT-2	General	35	120	1024	-
Fibers									
Cotton	8-7-06	23-9-06	1.50	BT	General	670	3750	14663	-
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
Others (specify)									

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

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

6.4 Performance of instructional farm (livestock and fisheries production)

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

6.5 Utilization of hostel facilities: Hostel facility is not available with KVK

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
October 2006			
November 2006			
December 2006			
January 2007			
February 2007			
March 2007			
April 2007			
May 2007			
June 2007			
July 2007			
August 2007			
September 2007			

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

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

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2007
	Kharif 2006	Rabi 2006 - 07	Kharif 2006	Rabi 2006-07	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL	87506	-	90636	-	- 3130

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2007
	Kharif 2006	Rabi 2006 - 07	Kharif 2006	Rabi 2006-07	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL	9500	-	6919	-	2581

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2007
	Kharif 2006	Rabi 2006 - 07	Kharif 2006	Rabi 2006-07	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL	**- NA-**				

7.5.1 Utilization of KVK funds during the year 2006 - 07

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	2500000	2500000	2421300
2	**Traveling allowances**	75000	75000	50580
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	65000	65000	73040
B	POL, repair of vehicles, tractor and equipments	40000	40000	81709
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	50000	50000	10036
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	25000	25000	980
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	30000	30000	5485
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	25000	25000	1126
G	Training of extension functionaries	15000	15000	100
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			1600
J	Library			
TOTAL (A)		**2825000**	**2825000**	**2645956**
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)	10000	10000	3246
TOTAL (B)		10000	10000	3246
C. REVOLVING FUND		100000	100000	98130
GRAND TOTAL (A+B+C)		**2935000**	**2935000**	**2747332**

7.5.2 Utilization of KVK funds during the year 2007 - 08 (upto Sep. 2007)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	3100000		1440072
2	**Traveling allowances**	100000		11846
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	125000		22055
B	POL, repair of vehicles, tractor and equipments	65000		14523
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	75000		5870
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	85000		1075

E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	90000		1280
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	65000		57954
G	Training of extension functionaries	45000		
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		**375000**	**2003000**	**1554675**
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)		**0**	**0**	**0**
C. REVOLVING FUND		100000	100000	73811
GRAND TOTAL (A+B+C)		**3850000**	**2103000**	**1628486**

7.5 Status of revolving fund (Rs.) 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 2004 to March 2005	-	-	-	-
April 2005 to March 2006	100000	129262	38741	190791
April 2006 to March 2007	190791	131014	98130	223675
April 2007 to September 2007	223675	17168	73811	167032

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

8.1 Constraints

(a) Administrative

1. One post of Office Superintendent cum Account Officer is not sufficient for administrative and accounts works.
2. Transportation vehicles is prime need for farmers, farm women and rural youth.

(b) Financial

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

(c) Technical

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

SUMMARY TABLES

1 Details of Technology assessment and refinement

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	2	3	2	2						9
Seed / Plant production		1								1
Weed Management										
Integrated Crop Management	2	3	2	2						9
Integrated Nutrient Management		1								1
Integrated Farming System						1				1
Mushroom cultivation										
Drudgery reduction		1		1						2
Farm machineries				1						1
Value addition		1				1				2
Integrated Pest Management	2	2	2							6
Integrated Disease Management		2								2
Resource conservation technology		1								1
Small Scale income generating enterprises		2								2
TOTAL	6	17	6	6	0	2	0	0	0	37

Table 1 B: Abstract on the number of technologies refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	2	3	2	2						9
Seed / Plant production		1								1
Weed Management										
Integrated Crop Management	2	3	2	2						9
Integrated Nutrient Management		1								1
Integrated Farming System						1				1
Mushroom cultivation										
Drudgery reduction		1		1						2
Farm machineries				1						1
Post Harvest Technology		1				1				2
Integrated Pest Management	2	2	2							6

Integrated Disease Management		2								2
Resource conservation technology		1								1
Small Scale income generating enterprises		2								2
TOTAL	6	17	6	6	0	2	0	0	0	37

Table 1 C: Abstract on the number of technologies assessed in respect of livestock enterprises

Thematic areas	Cattle	Poultry	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	- Nil -					

Table 1 D: Abstract on the number of technologies refined in respect of livestock enterprises

Thematic areas	Cattle	Poultry	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	- Nil -					

Table – 1 E Details of technology refined

Crop / Enterprise	Technology Assessed	No. Replications	Technology refined	Result justifying the refinement

2. Details of Frontline Demonstrations

Table – 2 A Front Line Demonstrations on Oilseed Crops

Crop	Technology Demonstrated	No. of Farmers	Area (ha.)	Demo. Yield	Local Check	Increase in yield (%)	Data on parameter in relation to technology demonstrated		Average Net Return (Profit) (Rs./ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
							Demo	Local		
Mustard	Variety	12	4.8	16.56	14.69	12.77	75	-	3291	1.02
Groundnut	Variety	20	8.0	-	-	-	-	-	-	-
Sesamum	Variety	14	5.6	-	-	-	-	-	-	-
Castor	Intercropping	5	2.0	-	-	-	-	-	-	-
Groundnut	*Trichoderma*	10	4.0							

Table – 2 B Front Line Demonstrations on Pulse Crops

Crop	Technology Demonstrated	No. of Farmers	Area (ha.)	Demo. Yield	Local Check	Increase in yield (%)	Data on parameter in relation to technology demonstrated		Average Net Return (Profit) (Rs./ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
							Demo	Local		
Greengram	Variety	5	2.0	-	-	-	-	-	-	-
Pigeonpea	Intercropping	2	0.8	-	-	-	-	-	-	-

Table – 2 C Front Line Demonstrations on Other Crops

Crop	Technology Demonstrated	No. of Farmers	Area (ha.)	Demo. Yield	Local Check	Increase in yield (%)	Data on parameter in relation to technology demonstrated		Average Net Return (Profit) (Rs./ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
							Demo	Local		
Cumin	Variety	12	4.8	5.52	4.84	13.98	562.5	-	2837.5	1.20
Cotton	Pesticide	10	4.0	-	-	-	-	-	-	-

Table – 2 D Front Line Demonstrations on Other enterprises

Enterprise	Variety/ breed/Species/others	No. of farmers	No. of Units	Size of Unit	Parameter indicators	Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
						Demon.	Local check		
Vermicompost Unit	*Eisina foetida*	10	-	-	-	-	-	-	-
Compost Unit	*Sylitic bacteria*	10	-	-	-	-	-	-	-

3. Details of training programmes conducted:

Table – 3 A Area-wise distribution of On + Off Campus Training Courses for Farmers and Farm Women (regular + sponsored)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Crop Production								
Weed Management	4	69	10	79	11	-	11	90
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Micro Irrigation/Irrigation								
Seed production								
Nursery management								
Integrated Crop Management	6	107	12	119	17	1	18	138
Soil and Water Conservation								
Integrated Nutrient Management	1	18	5	23	3	-	3	26
Production of organic inputs	4	69	10	79	11	-	11	90
Horticulture								
a) Vegetable Crops								
Production of low value and high volume crop	3	71	-	71	4	-	4	75
Off-season vegetables								
Nursery raising	2	40	2	42	10	-	10	52
Exotic vegetables								
Export potential vegetables								
Grading and standardization								
Protective cultivation								
b) Fruits								
Training and Pruning								

Layout and Management of Orchards								
Cultivation of Fruit	4	61	2	63	13	-	13	76
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	25	-	25	4	-	4	29
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	1	17	-	17	0	-	0	17
Post harvest technology and value addition								
Soil Health and Fertility Management								
Soil fertility management	2	48	15	63	5	2	7	70
Integrated water management								
Integrated nutrient management	2	56	18	74	5	2	7	81
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient use efficiency								
Balanced use of fertilizers								
Soil and water testing								
Livestock Production and Management								
Dairy Management	4	86	7	93	9	-	9	102
Poultry Management								
Piggery Management								
Rabbit Management								
Animal Disease Management	9	191	61	252	27	4	31	283
Feed and Fodder technology	4	81	5	86	13	1	14	100
Production of quality animal products	1	18	-	18	5	-	5	23
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								
Processing and cooking								
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	-	31	31	-	2	2	33
Value addition	5	10	135	145	1	11	12	157
Women empowerment	4	8	100	108	2	18	20	128
Location specific drudgery production								

Rural Crafts								
Women and child care	4	9	95	104	2	17	19	123
Agril. Engineering								
Farm machinery and its maintenance	1	36	-	36	6	-	6	42
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices	2	41	-	41	1	-	1	42
Production of small tools and implements	4	81	-	81	14	-	14	95
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
Plant Protection								
Integrated Pest Management	6	148	10	158	22	2	24	182
Integrated Disease Management	6	137	19	156	24	4	28	184
Bio-control of pests and diseases	2	30	8	38	12	4	16	54
Production of bio control agents and bio pesticides								
Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production	1	18	15	33	3	2	5	38
Organic manures production	1	32		32	5		5	37
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								
Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
Others (Pl. specify)								
TOTAL	**81**	**1444**	**548**	**1992**	**223**	**72**	**295**	**2287**

Table – 3 B Area-wise distribution of On + Off Campus Training Courses for Rural Youth (regular + sponsored + vocational)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs	1	50		50	10		10	60
Integrated Farming	1	30	5	35	6	2	8	43
Planting material production								
Vermi-culture	1		20	20				20
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	1		104	104				104
Training and pruning of orchards								
Value addition	1	38	5	43	10		10	53
Production of quality animal products								
Dairying	1		44	44		9	9	53
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing	1		60	60				60
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
TOTAL	**7**	**118**	**238**	**356**	**26**	**11**	**37**	**393**

Table – 3 C Area-wise distribution of On + Off Campus Training Courses for In-service Extension Personnel (regular + sponsored)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Productivity enhancement in field crops	02	54	08	62	15	04	19	81
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								
Management in farm animals	01	19	-	19	03	-	03	22
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (pl.specify)								
Total	**3**	**73**	**8**	**81**	**18**	**4**	**22**	**103**

Table – 4 Numbers of Extension Activities and Beneficiaries

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	21	1427	60	1487	12	-	12	1439	60	1499
Kisan Mela	1	-	-	-	-	-	-	-	-	12690
Kisan Ghosthi	15	401	71	472	-	-	-	401	71	472
Exhibition	-	-	-	-	-	-	-	-	-	-
Film Show	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	-	-	-	-	-	-	-	-	-	-
Farmers Seminar	3	897	22	919	-	-	-	897	22	919
Workshop	-	-	-	-	-	-	-	-	-	-
Group meetings	8	546	177	723	-	-	-	546	177	723
Lectures delivered	65	5426	1651	7077	-	-	-	5426	1651	7077
Newspaper coverage	61	-	-	-	-	-	-	-	-	-
Radio coverage	6	-	-	-	-	-	-	-	-	-
TV coverage	8	-	-	-	-	-	-	-	-	-
Radio Programmes	-	-	-	-	-	-	-	-	-	-
TV Programmes	-	-	-	-	-	-	-	-	-	-
Publications	-	-	-	-	-	-	-	-	-	-
Popular articles	7	-	-	-	-	-	-	-	-	-
Extension Literature	5	-	-	-	-	-	-	-	-	-
Advisory Services	178	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	95	1063	38	1101	-	-	-	1063	38	1101
Farmers visit to KVK	-	1423	536	1959	-	-	-	1423	536	1959
Diagnostic visits	8	410	125	535	-	-	-	410	125	535
Field visits	-	-	-	-	-	-	-	-	-	-
Exposure visits	-	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-
Agriculture Camps	-	-	-	-	-	-	-	-	-	-
Clinic day	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	5	180	26	206	-	-	-	180	26	206
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-
Mahila Mandals	-	-	-	-	-	-	-	-	-	-

Conveners meetings										
Celebration of "National Nutrition Week	1	-	18	18	-	7	7	-	25	25
Khedut Shibir	10	1116	246	1362	-	-	-	1116	246	1362
Total	497	12889	2970	15859	12	7	19	12901	2977	28568

Table – 5A Productions of Seeds

Sl. No.	Crop	Variety	Quantity (qtl.)	Value (in Rs.)	Provided to No. of Farmers
I. CEREALS					
1					
Total					
II. OIL SEEDS					
1	Groundnut	GG-5	22.45	95525	
2	Sesamum	GT-1	4.65	17334	
Total			27.1	112859	
III. PULSES					
1	Black Gram	T-9	7.60	28800	
Total			7.60	28800	
IV. VEGETABLES					
1					
Total					
V. OTHERS					
1					
Total					

SUMMARY

Sl. No.	Crop	Quantity (qtl.)	Value (in Rs.)	Provided to No. of Farmers
I	**CEREALS**			
II	**OIL SEEDS**	27.1	112859	
III	**PULSES**	7.60	28800	
IV	**VEGETABLES**			
V	**OTHERS**			
TOTAL		34.7	141659	

Table – 5 B Production of planting/seedling materials of Fruits/Vegetables/Forest Species

- **NIL –**

Sl. No.	Crop	Variety	Quantity (Nos.)	Value (in Rs.)	Provided to No. of Farmers
I. FRUITS					
1					
Total					
II. VEGETABLES					
1					
Total					
III. SPICES					
1					
Total					
IV. FOREST SPECIES					
1					
Total					
V. ORNAMENTAL CROPS					

1					
Total					
VI. PLANTATION CROPS					
1					
Total					
VII. OTHERS					
1					
Total					

SUMMARY

Sl. No.	Crop	Quantity (Nos.)	Value (in Rs.)	Provided to No. of Farmers
I	**FRUITS**			
II	**VEGETABLES**			
III	**SPICES**			
IV	**FOREST SPECIES**			
V	**ORNAMENTAL CROPS**			
VI	**PLANTATION CROPS**			
VII	**OTHERS**			
TOTAL		**- NIL -**		

Table –5 C Production of bio products

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
BIOAGENTS						
1 *Trichoderma*	Trichoderma powder	*Trichoderma harzianum*	10	10	1000	10
BIOFERTILIZERS						
1 Vermicompost	Earthworm	*Eisina foetida*	10	10	2000	10
2 Composting	C-lytic	*Sylitic bacteria*	10	10	800	10
BIO PESTICIDES						
1						

SUMMARY

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
1	BIOAGENTS	*Trichoderma harzianum*	10	10	1000	10
2	BIO FERTILIZERS	*Eisina foetida*	10	10	2000	10
		Sylitic bacteria	10	10	800	10
3	BIO PESTICIDE					
	TOTAL		30	30	3800	30

Table 5 D Livestock materials - NIL -

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

II. SHEEP AND GOAT						
III. POULTRY						
IV. FISHERIES						
V. Others (Specify)						

SUMMARY

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	Kgs		
I	CATTLE					
II	SHEEP & GOAT					
III	POULTRY					
IV	FISHERIES					
V	OTHERS					
	TOTAL	- NIL -				