ANNUAL PROGRESS REPORT
OF KVK NANA-KANDHASAR (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
	Office	Fax	
Krishi Vigyan Kendra, Junagadh Agricultural University, Nana-Kandhasar-363 520 Dist: Surendranagar	02751- 294120	--	--

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

Address	Telephone		E-mail
	Office	Fax	
Junagadh Agricultural University Junagadh- 362 001	0285-2672080	0285-2672653	--

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

Name	Telephone / Contact		
	Residence	Mobile	E-mail
Dr. R. M. Javia Krishi Vigyan Kendra, Junagadh Agricultural University Nanakandhasar-363 520 Dist: Surendranagar	--	094277 25505	--

1.4. Year of sanction: October, 2005

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

Sr. No	Sanctioned post	Name of the incumbent	Designa-tion	Discipline	Pay Scale with present basic	Date of joining	Permanent / Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Dr. R. M. Javia	Program Coordinator	Plant Breeding & Genetics	8000 - 275 -13500	22-8-2006	P	Gen.
2	SMS	Mr. A.M. Bharadiya	SMS	Plant Protection	-- " --	21-8-2006	P	SC
3	SMS	Dr. B. C. Bochalya	SMS	Ext Edu.	-- " --	23-8-2006	P	Gen.
4	SMS	Mr. G. V. Prajapati*	SMS	Agril. Engg.	-- " --	30-8-2006	P	Gen.
5	SMS	Miss B. M. Bhalala	SMS	Home Science	-- " --	23-8-2006	P	Gen.
6	SMS	Dr. M. M. Tajapara	SMS	Animal Science	-- " --	22-8-2006	P	Gen.
7	SMS	Mr. H. M. Bhuva	SMS	Agronomy	-- " --	30-8-2006	P	Gen.
8	Programme Assistant	Mr. M. M. Tadpada	Training Assistant	Plant Breeding & Genetics	5500-9000	05-6-2007	P	Gen.
9	Computer Programmer	--	--	--	--	--	--	--
10	Farm Manager	Mr. K.H. Ribadiya	Farm Manager	Plant Breeding & Genetics	1640-2900	07-3-2006	P	Gen.
11	Accountant / Superintendent	Mr. V. F. Chaudhari	O. S. cum Accountant	--	5000–150 -8000	06-6-2007	P	ST
12	Stenographer	--	--	--	--	--	--	--
13	Driver	Mr. P. D. Dave	Tractor Driver	--	4000–100 -6000	06-9-2007	P	Gen.
14	Driver	Mr. H. R. Gohil	Jeep Driver	--	4000-6000	01-8-2006	P	Gen.
15	Supporting staff	Mr. M. H. Solanki	Peon	--	2650-3540	08-3-2006	P	SC
16	Supporting staff	Mr. Y. B. Joshi	Peon	--	2650-3540	08-6-2007	P	Gen.

* Working at Junagadh Agricultural University, Junagadh.

1.6. Total land with KVK (in ha):

Sr. No.	Item	Area (ha)
1	Under Buildings	04.00
2.	Under Demonstration Units	16.00
3.	Under Crops	
4.	Orchard/Agro-forestry	
5.	Others	20.00

1.7. Infrastructural Development:

A) Buildings

Sr. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	--	--	--	2005-06	--	RCC works completed
2.	Farmers Hostel		Near to completion		--	2005-06	--	--
3.	Staff Quarters (6)		Near to completion		--	2005-06	--	--
4.	Demonstration Units (2)		Near to completion		--	2005-06	--	--
5	Fencing		--	--	--	--	--	--
6	Rain Water harvesting system		March-07	--	7,43,411	--	--	--
7	Threshing floor		--	--	--	--	--	--
8	Farm godown		Near to completion		--	2005-06	--	--

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep Bolero	2006-07	4,86,500	25873	Transferred to DEE office, JAU, Junagadh
Jeep M&M Pizo	1995-96	--	62387	Working condition but required major repairing

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Computer	2006-07	49968	Working Cond.
Copier Machine	2006-07	49816	Working Cond.

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

Sr. No.	Date	Number of Participants	Salient Recommendations	Action taken
1.	6/10/2006	16	One training should be organized on farm waste	Suggestion accepted & organized in 3rd quarter
			Farm women participation should be increased in training programme	Suggestion accepted
			Prioritized thrust area & Training should be organized based on prioritized thrust area	Suggestion accepted & prioritized thrust area on base of survey conducted
			Digital and video camera should be purchased	Fund not available
			Phone number and information for farmer here should be in entrance of the board	Suggestion accepted
			Every Krishi Vigyan Kendra has to published leaflet / extension literature every quarterly	Suggestion accepted, 6 literature already released
			FLD should be conducted with micro nutrients & Bio agents	Suggestion accepted
			Organic farming should be promoted	Suggestion accepted

2. DETAILS OF DISTRICT:

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

Farming system/enterprise
The district Surendranagar mainly falls in north Saurashtra agro-climatic zone. The district located in India at 22.0° to 23.45° North latitude and 69.45° to 72.15° East longitude. Surendranagar district is bounded in north by Gulf of Kutch and Mehasana district, in the south by Bhavnagar and part of Ahmedabad district, on the east by part of Ahmedabad and west by Rajkot district. The average annual rainfall is 400 mm. The average temperature of the district ranges with 41°C maximum to 11°C minimum. The soil is mostly medium black, shallow to moderately deep and calcareous in nature, therefore cotton is the major crop of the district. Some patches of saline soil found in Dasada and Lakhtar talukas, calcareous sandy soil found in some part of Chotila, Sayla & Dhangdhra taluka and loamy soil is found in some part of Halvad and Dhangdhra taluka. The pH of the soil is alkaline and underground water is non saline in nature. The district covers 10.48 lakh ha geographical area out of which 6.90 lakh ha under cultivation, of which only 0.62 lakh ha is irrigated. Major area comes under rainfed farming. The main sources of irrigation are wells, tube wells, ponds and canals. The major crops of this region are cotton, sesame & pearl millet and others are sorghum, wheat, chick pea, groundnut, mustard, cumin, green gram, black gram, onion, garlic and vegetables. The fruit orchard area is very less.

Basic information of operational district Surendranagar:

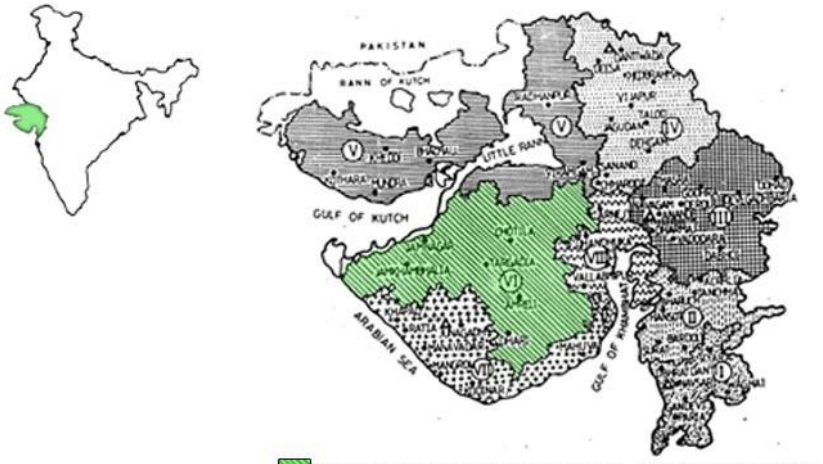
1	Total Geographical area	:	1048900 ha
2	Total cultivable area	:	690000 ha
3	Net cultivated area	:	685284 ha
4	Area sown more than one	:	42933 ha
5	Total area under forest	:	49353 ha
6	Total irrigated area	:	61879 ha
7	Area under non-agricultural use	:	53639 ha
8	Barren & uncultivated land	:	128029 ha
9	Permanent pasture	:	46036 ha
10	Current fallows	:	16652 ha
11	Waste land	:	63232 ha

12	Total number of Holdings	:	172769
	a). SC	:	11353
	b). ST	:	1054
	c). Others	:	160362
13	Average annual rainfall	:	400 mm
14	Soil Type	:	Medium black, shallow to moderate deep & calcareous in nature
15	Total number of villages	:	651
16	Total population	:	1515148
	a). Male	:	787650
	b). Female	:	727498
	1). Rural	:	1112700
	2). Urban	:	402448
	I). SC	:	166211
	II). ST	:	14338
	III). Others	:	1234599
17	Total literacy percentage	:	52.40 %
	a). Male	:	62.80 %
	b). Female	:	41.15 %
18	Number of Talukas	:	10 Limbdi, Chotila, Sayla, Muli, Lakhatar, Vadhvan, Dhangadhra, Dasada, Halvad, Chuda
19	Major crops grown		
	1). Cereals	:	Wheat, Sorghum, Bajra
	2). Pulses	:	Green gram, Black gram, Chick pea
	3). Oil seeds	:	Sesame, Groundnut, Castor
	4). Others	:	Cotton, Cumin, Onion, Garlic & Vegetables.
20	Live Stock		
	(Total)	:	803428
	1). Bullocks & Cows	:	293758
	2). Goats	:	179648
	3). Buffaloes	:	202939
	4). Horses & Camel	:	2079
	5). Sheeps	:	100589
	6). Others	:	24415

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

Agro-climatic Zone	Characteristics

PROFILE OF THE NORTH SAURASTRA AGRO - CLIMATIC ZONE VI - GUJARAT



NORTH SAURASTRA AGRO - CLIMATIC ZONE

1.	Total geographical area	: 35.02 lakh ha.
2.	Area under forest	: 1.47 lakh ha.
3.	Area under non agricultural use	: 2.10 lakh ha.
4.	Barren and uncultivated land	: 2.52 lakh ha.
5.	Permanent pasture	: 2.45 lakh ha
6.	Current fallows	: 1.70 lakh ha
7.	Net sown area	: 22.17 lakh ha
8.	Total cropped area	: 25.77 lakh ha
9.	Area sown more than one	: 3.61 lakh ha
10.	Climate	: Arid and semi arid
11.	Average rainfall	: 542.14 mm
12.	Soil type	: Black to brown & Shallow to moderately deep soil

13. Cropping pattern :

Crop		Area (lakh ha.)
Kharif cereals	:	5.58
Khrif pulses	:	0.23
Kharif oil seeds	:	12.14
Cash crops	:	4.00
Rabi cereals	:	1.57
Rabi pulses	:	0.56
Others	:	1.69

14. Major croped area (%)

a) Kharif

Groundnut	:	40
Cotton	:	15
Pearmillet	:	12
Sorghum	:	10
Sesamum	:	3
Others	:	20

b) Rabi

Wheat	:	5
Chickpea	:	2
Cumin	:	3

15. Crop sequence:

Crop

Groundnut - -
Groundnut - Wheat
Groundnut - Mustard
Groundnut - Cumin
Groundnut - Chickpea
Pearl millet - Groundnut
Pearl millet- Green gram
Pearl millet- Cumin
Pearl millet- Mustard
Pearl millet - Garlic
Cotton - -
Cotton - Groundnut
Cotton - Sorghum

Agro ecological situation
North Saurashtra agro-climatic zone-VI, Gujarat Eight agro-climatic zones have been identified in Gujarat. The North Saurashtra Agro climatic Zone-VI falls in Saurashtra region. The influence area of North Saurashtra Agro climatic Zone is spread among five districts of Saurashtra region viz., Amreli (9 talukas out of 11), Bhavnagar (6 talukas out of 13), Jamnagar (all the 10 talukas), Rajkot (11 talukas out of 14) and Surendranagar (7 talukas out of 10) covering 43 talukas in all. It is bounded in the north by the gulf of Kutch and parts of Rajkot as well as Surendranagar district, in the east by the Ahmadabad district and coastal part of Bhavnagar district, on the south by the Junagadh district and parts of Amreli as well as Rajkot district, to the west by Arabian sea. The farming situation of the district Surendranagar is rainfed.

2.3 Soil type/s

Sr. No.	Soil type	Area
1	Medium black	Vadhvan & Muli
2	Saline & Alkaline soils	Dasada & Lakhatar
3	Shallow calcareous sandy soil	Dhanghdhra
4	Red Loamy soil	Halvad, Dhanghdhra
5	Low land soils	Limbadi, Lakhatar
6	Calcareous Sandy soil	Chotila, Sayla

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

Sr. No.	Crop	Area (ha) 00 ha	Production 00 mt	Productivity Kg/ha
1	Cotton	880	3835	741
2	Pearl millet	653	855	1309
3	Sesame	1015	353	348
4	Groundnut	232	352	1517
5	Wheat	255	524	2055
6	Cumin	192	108	564
7	Castor	75	172	2286
8	Gram	115	84	727
9	Onion	8	247	29752
10	Garlic	8	38	4984

*in the year of 2004-2005

2.5. Weather data

Month	Rainfall (mm)	Temperature ⁰ C		Relative Humidity (%)
		Maximum	Minimum	
April -06	--	--	--	--
May-06	--	--	--	--
June-06	101	--	--	--
July-06	409	--	--	--
August-06	63	--	--	--
September-06	162	--	--	--
October-06	--	--	--	--
November-06	--	--	--	--
December-06	--	--	--	--
January-07	--	--	--	--
February-07	--	--	--	--
March-07	--	--	--	--
April -07	--	--	--	--
May -07	--	--	--	--
June -07	47	--	--	--
July -07	513	--	--	--
August -07	338.5	--	--	--
September -07	185	--	--	--

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

Category	Population	Production	Productivity
Cattle	293758	5461197 lit	
Crossbred	201		--
Indigenous	293557		--
Buffalo	202939		--
Sheep	100589	--	--
Goats	179648	--	--
Pigs	22948	--	--
Rabbits	--	--	--
Poultry	--	--	--

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

Taluka	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Chotila	Hirasar	Bajra, Groundnut, Sesame, pulses Diary Farming,	Dry farming, Lower milk production	Dry farming technology Awareness for vaccination & artificial insemination of animals
	Panchavada	Bajra, Groundnut, Sesame, pulses Diary Farming,	Dry farming, HS disease	Dry farming technology Awareness for vaccination & artificial insemination of animals
	Lakhanka	Bajra, Cotton, Cumin, Groundnut, Sesame, pulses, Diary Farming,	Dry farming, Lower milk production, HS disease	Dry farming technology, Awareness for vaccination & artificial insemination of animals
	Kanpar	Bajra, Cotton, Cumin, Wheat, Sesame, Diary Farming,	Dry farming, Injudicious use of fertilizers & Pesticides, Black quarter disease	Adoption of organic farming, Bio-fertilizers & Vermi-compost Dry farming technologies Awareness for vaccination & artificial insemination of animals
	Vijadiya	Groundnut, Cotton, Cumin, Wheat, Sesame, Diary Farming	Lack of knowledge of modern dry land technologies, lack of Awareness for vaccination & artificial insemination of animals	Awareness for vaccination & artificial insemination of animals
Sayla	Dhedhuki	Cotton, castor, Groundnut, wheat Diary Farming,	Lack of knowledge of modern dry land technologies, FMD	Dry farming technologies, Awareness for vaccination & artificial insemination of animals
	Kesarpar	Cotton, Wheat, Cumin, Sesame, Bajra	Lack of knowledge of modern dry land technologies, Injudicious use of fertilizers & Pesticides	Dry farming technologies
	Doliya	Cotton, Bajra, Sesame, Wheat, Cumin, Diary Farming, Horticulture	Lack of knowledge about weed, pest and diseases & nutrient management HS disease, Trypanosomesis disease	To motivate farmers to grow arid and semi arid horticultural crops. Awareness for vaccination & artificial insemination of animals

	Aaya	Cotton, Wheat, Cumin, Sesame, Bajra, Groundnut	Lack of knowledge of modern dry land technologies, Injudicious use of fertilizers & Pesticides	Dry farming technologies,
	Kanpur	Horticulture Diary Farming, Cotton, G'nut, Sesame, Wheat, Cumin, Bajra	FMD, Lack of knowledge of modern dry land technologies	Awareness for vaccination & artificial insemination of animals
Muli	Umarda	Diary Farming, Cotton, G'nut, Sesame, Wheat, Cumin, Bajra	FMD, Lack of knowledge of modern dry land technologies	Awareness for vaccination & artificial insemination of animals
	Palasa	Diary Farming, Cotton, G'nut, Sesame, Wheat, Cumin, Bajra	Awareness for vaccination & artificial insemination of animals	Awareness for vaccination & artificial insemination of animals
	Ramparda	Diary Farming, Cotton, G'nut, Sesame, Wheat, Cumin, Bajra	HS disease, Injudicious use of fertilizers & Pesticides	Awareness for vaccination & artificial insemination of animals
	Gadhad	Diary Farming, Cotton, G'nut, Sesame, Wheat, Cumin, Bajra	Awareness for vaccination & artificial insemination of animals	Awareness for vaccination & artificial insemination of animals

2.7 Prioritized thrust areas

Sr. No.	Thrust area
1	Dry farming technologies.
2	Awareness for vaccination & artificial insemination of animals
3	Adoption of organic farming, Bio-fertilizers & Vermi-compost.
4	Integrated weed, pest and diseases & nutrient management.
5	Farm women empowerment.
6	To motivate farmers to grow arid and semi arid horticultural crops.

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	Achieve-ment	Targets	Achievement	Targets	Achieve-ment	Targets	Achievement
3	3	9	9	95	65	95	65

Training				Extension Activities			
3				4			
Number of Courses		Number of Participants		Number of activities		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievemen	Targets	Achievement
--	21	--	496	10	9	--	244

Seed Production kg						Planting material (Nos.)	
5						6	
Target	Achievement					Target	Achievement
--	Name of crop	Details of production			Amount (Rs)	--	--
		Variety	Type of produce	Quantity (Kg)	Cost of inputs		
	Black gram	T-9	Certified	1418	18940	54765	
	Wheat	GW-496	General	1140	1363	9690	
	Cumin	Guj-4	General	107	2708	9603	
	Sesamum	Guj-2	Breeder	25	1800	2500	
	G'nut	GG-20	General	--	--	--	
	G'nut	GG-2	Breeder	--	--	--	
	Sesamum	Guj-2	Breeder	--	--	--	
	Sesamum	Guj-2	General	--	--	--	
	Black gram	T-9	General	--	--	--	
	Castor	JI-96	Nucleus	--	--	--	

3.B. Abstract of interventions undertaken

Sr. No.	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	--	Groundnut	Low yield	--	Varietal evaluation	Management of important insect, pest and disease in groundnut	Different method of extension & importance of communication in PRA	Filed Day - 9	Insecticide : Dimethoate 30%
						Crop production technology Groundnut & Sesamum	Fertilizer management and plant protection measures in Organic farming	--	--
						Seed treatment in groundnut	--	--	--
2	--	Cotton	Low yield	--	Varietal evaluation	Integrated insect pest and disease management in cotton	--	--	Insecticide : Imidachlotrid 17.8%
						Safe use of pesticides	--	--	--
						Dose of fertilizer and method of application in Kharif crops	--	--	--
						Control measure for pest and diseases of cotton	--	--	--
						Control of pest & diseases in cotton	--	--	--
3	--	Wheat	Low yield	--	Varietal evaluation	Improved cultivation practices for wheat & cumin	--	--	Seed input : GW-496 / GW- 322

						Integrated insect- pest and disease management in wheat & cumin	--	--	--
						Pure seeds production in wheat and cumin	--	--	--
4	--	Cumin	Low yield	--	Varietal evaluation	Cumin production technology			Seed input : Guj-cumin 4
						Pure seeds production technique in cumin	--	--	--
						Pure seed production technology in Cumin	--	--	--
5	--	Mustard	Low yield	--	Varietal evaluation	Efficient water management in Rabi crops	--	--	Seed input : Guj-Mustard 2
						Integrated insect, pest and disease management in Mustard and castor	--	--	--
						Control measures of pest and diseases of rabi crops	--	--	--
						Control measure for pest and diseases of Mustard	--	--	--
6	--	Gram	Low yield	--	Varietal evaluation	Importance of preparing cropping scheme	--	--	Seed input : Guj-Gram 2
						Improved cultivation practices for gram	--	--	--
						Integrated weed management in major rabi field crops	--	--	--

3.1 Achievements on technologies assessed and refined

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

Thematicareas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	1	1	1	1	--	--	--	--	--	4
Seed / Plant production	--	--	--	--	--	--	--	--	--	--
Weed Management	--	--	--	--	--	--	--	--	--	--
Integrated Crop Management	--	--	--	--	--	--	--	--	--	--
Integrated Nutrient Management	--	--	--	--	--	--	--	--	--	--
Integrated Farming System	--	--	--	--	--	--	--	--	--	--
Mushroom cultivation	--	--	--	--	--	--	--	--	--	--
Drudgery reduction	--	--	--	--	--	--	--	--	--	--
Farm machineries	--	--	--	--	--	--	--	--	--	--
Value addition	--	--	--	--	--	--	--	--	--	--
Integrated Pest Managemen	--	1	--	1	--	--	--	--	--	2
Integrated Disease Managemen	--	--	--	--	--	--	--	--	--	--
Resource conservation technology	--	--	--	--	--	--	--	--	--	--
Small Scale income generating enterprises	--	--	--	--	--	--	--	--	--	--
TOTAL	**1**	**2**	**1**	**2**	**--**	**--**	**--**	**--**	**--**	**6**

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

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

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

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

B.1

1. Title of on-farm trials:
   **** Application of Trichoderma against stem rot disease in groundnut***
2. Problem diagnose
   *Heavy attack of stem rot
3. Details of technologies selected for assessment/refinement
   *T1- Farmer's practice (Control)
   *T2- Mixing Trichoderma @ 2.5 Kg with castor cake @ 500 Kg at the time of sowing
   *T3- Soil drenching of Trichoderma @ 50 gm/10 lit. of water with spray pump without nozzle
4. Source of technology
   *Junagadh Agricultural University, Junagadh.
5. Production system and thematic area
   *Package of practices
6. Performance of the Technology with performance indicators
   *Crop is on standing condition
7. Final recommendation for micro level situation
   *Crop is on standing condition
8. Constraints identified and feedback for research

*Farmer could not adopt recommended practices

9. Process of farmers participation and their reaction

*Crop is on standing condition

B.2

1. Title of on-farm trials:

**** Management of sucking pests in Cotton***

2. Problem diagnose

*Heavy attack of sucking pests

3. Details of technologies selected for assessment/refinement

*T1- Farmer's practice (Use of new insecticides with higher doses)

*T2- Use of old insecticides at recommended dose

*T3- Alternate treatment 1 & 2 with recommended doses

*New insecticides

1. Thiomethoxan
2. Imidachloprid
3. Acetamaprid

*Old insecticides

1. Dimethoate
2. Methyl-o-demetone

4. Source of technology

*Junagadh Agricultural University, Junagadh.

5. Production system and thematic area

*Package of practices & recommended plant protection measures

6. Performance of the Technology with performance indicators

*Crop is on standing condition

7. Final recommendation for micro level situation

*Crop is on standing condition

8. Constraints identified and feedback for research

*Heavy attack of sucking pest

9. Process of farmers participation and their reaction

*Crop is on standing condition

B.3

1. Title of on-farm trials:

**** Effect of supplementary irrigation on yield of sesame***

2. Problem diagnose

   *Management of irrigation is not proper

3. Details of technologies selected for assessment/refinement

   *T1- Farmer's practice (Control)

   *T2- Irrigation at 50% flowering stage or at capsule development stage (Life saving irrigation)

   *T3- Two irrigation at 50% flowering & capsule development stage

4. Source of technology

   *Junagadh Agricultural University, Junagadh.

5. Production system and thematic area

   *Package of practices

6. Performance of the Technology with performance indicators

   *Crop is on standing condition

7. Final recommendation for micro level situation

   *Crop is on standing condition

8. Constraints identified and feedback for research

   *Dry area, erratic and uneven rainfall

9. Process of farmers participation and their reaction

   *Crop is on standing condition

C. Results of On Farm Trials

Crop/ enterpris	Farming situation	Problem Diagnos	Title of OFT	No. of trials	Technology Assessed	Param eters of assess ment	Data on the para meter	Result of assess ment	Feedb ack from the farme	Any Refine ment done	Justific ation for refine ment
1	2	3	4	5	6	7	8	9	10	11	12
G'nut	Irrigated	Stem rot	Application of Tricho derma against stem rot Disease in g'nut	3	T1- Farmer's practice (Control) T2- Mixing Trichoderma @ 2.5 Kg with castor cake @ 500 Kg at the time of sowing T3- Soil drenching of Trichoderma @ 50 gm/10 lit. of water with spray pump without nozzle	Yield evalu ation	Crop is on standing condition				
Cotton	Irrigated	Sucking	Manageme	3	*T1- Farmer's	Yield					

		pest	nt of sucking pests in Cotton		practice (Use of new insecticides with higher doses) *T2- Use of old insecticides at recommended dose *T3- Alternate treatment 1 & 2 with recommended doses *New insecticides Thiomethoxan Imidachloprid Acetamaprid *Old insecticides Dimethoate Methyl-o-demetone	evaluation	
Sesamum	Irrigated	Time of Irrigation	Effect of Supplementary Irrigation On yield of sesamum	3	T1- Farmer's practice T2-Irrigation at 50% flowering stage or at capsule development stage (Life saving irrigation) T3- Two irrigation 50 % flowering and capsule development stage	Yield evaluation	

Technology Assessed / Refined	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16
Farmer's practice**	Crop standing condition		
Technology ssessed**	Crop standing condition		
Technology refined**	Crop standing condition		

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

Sr. 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	Dry farming	Latest released variety, recommende	Field Day, FLD, Training	14	165	330

		d package of practices, Crop production technology				

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.)

Sr No	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC /ST	Others	Total	
1	Mustard	--	Varietal evaluation, recommend package c practices	Rabi 2006-07	4.0	5.0	4/0	6	10	--
2	Gram	--		Rabi 2006-07	4.0	5.0	6/0	4	10	--
3	Cumin	--		Rabi 2006-07	4.0	5.20	2/0	11	13	--
4	Wheat	--		Rabi 2006-07	4.0	4.80	2/0	10	12	--
5	G'nut	--		Kharif 2006-07	8.0	4.0	1/0	9	10	--
6	Cotton	--		Kharif 2006-07	4.0	4.0	1/0	9	10	--

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Mustard	Rabi 06-07	Irrigated	Medium black	-	-	-	Pearl millet	18/10/06	05/02/07	736	31
		Irrigated	--"--	-	-	-	G'nut	16/10/06	03/02/07	736	31
		Irrigated	--"--	-	-	-	Fodder Sorghum	18/10/06	07/02/07	736	31
		Irrigated	--"--	-	-	-	Bl ack gram	17/10/06	10/02/07	736	31
		Irrigated	--"--	-	-	-	Sesamum	19/10/06	12/02/07	736	31

		Irrigated	--"--	-	-	-	Pearl millet	20/10/06	17/02/07	736	31
		Irrigated	--"--	-	-	-	Black gram	19/10/06	16/02/07	736	31
		Irrigated	--"--	-	-	-	Sesamum	19/10/06	10/02/07	736	31
		Irrigated	--"--	-	-	-	G'nut	20/10/06	15/02/07	736	31
		Irrigated	--"--	-	-	-	G'nut	08/11/06	22/02/07	736	31
G'nut	*Kharif 06-07*	Irrigated	--"--	-	-	-	Wheat	01/06/06	01/10/06	736	31
		Rainfed	--"--	-	-	-	Cotton	02/06/06	05/10/06	736	31
		Irrigated	--"--	-	-	-	Cumin	02/06/06	01/10/06	736	31
		Rainfed	--"--	-	-	-	G'nut	03/06/06	06/10/06	736	31
		Irrigated	--"--	-	-	-	Wheat	03/06/06	05/10/06	736	31
		Rainfed	--"--	-	-	-	G'nut	03/06/06	07/10/06	736	31
		Rainfed	--"--	-	-	-	G'nut	03/06/06	06/10/06	736	31
		Rainfed	--"--	-	-	-	Green gram	05/06/06	02/10/06	736	31
		Rainfed	--"--	-	-	-	G'nut	05/06/06	05/10/06	736	31
		Rainfed	--"--	-	-	-	Sesamum	30/06/06	07/10/06	736	31
Gram	Rabi 06-07	Irrigated	Medium black	--	--	--	G' nut	28/10/06	13/02/07	736	31
		Irrigated	--"--	--	--	--	Pearl millet	30/10/06	10/02/07	736	31
		Irrigated	--"--	--	--	--	Sesamum	30/10/06	23/02/07	736	31
		Irrigated	--"--	--	--	--	Green gram	28/10/06	18/02/07	736	31
		Irrigated	--"--	--	--	--	G' nut	28/10/06	20/02/07	736	31
		Irrigated	--"--	--	--	--	G' nut	01/11/06	25/02/07	736	31
		Irrigated	--"--	--	--	--	Sesamum	01/11/06	27/02/07	736	31
		Irrigated	--"--	--	--	--	Fodder Sorghum	30/10/06	15/02/07	736	31
		Irrigated	--"--	--	--	--	Sesamum	04/11/06	15/02/07	736	31
		Irrigated	--"--	--	--	--	G' nut	03/11/06	13/02/07	736	31
Cotton	Kharif 06-07	Irrigated	Medium black	--	--	--	Cotton	01/06/06	25/11/06	736	31
		Irrigated	--"--	--	--	--	Sesamum	02/06/06	28/11/06	736	31
		Irrigated	--"--	--	--	--	Bajra	02/06/06	05/01/07	736	31
		Rainfed	--"--	--	--	--	Cotton	02/06/06	29/11/06	736	31
		Irrigated	--"--	--	--	--	G' nut	03/06/06	07/01/07	736	31
		Rainfed	--"--	--	--	--	Cotton	03/06/06	07/01/07	736	31
		Irrigated	--"--	--	--	--	Cotton	03/06/06	26/11/06	736	31
		Irrigated	--"--	--	--	--	G' nut	04/06/06	03/12/06	736	31

		Irrigated	--"--	--	--	--	Cotton	05/06/06	05/12/06	736	31
		Irrigated	--"--	--	--	--	Cotton	20/05/06	10/01/07	736	31
Cumin	Rabi 06-07	Irrigated	--"--	--	--	--	Fodder Sorghum	05/11/06	14/02/07	736	31
		Irrigated	--"--	--	--	--	Pearl millet	09/11/06	26/02/07	736	31
		Irrigated	--"--	--	--	--	G' nut	09/11/06	25/02/07	736	31
		Irrigated	--"--	--	--	--	G' nut	08/11/06	26/02/07	736	31
		Irrigated	--"--	--	--	--	Fodder Sorghum	05/11/06	20/02/07	736	31
		Irrigated	--"--	--	--	--	Sesamum	07/11/06	23/02/07	736	31
		Irrigated	--"--	--	--	--	Green gram	06/11/06	23/02/07	736	31
		Irrigated	--"--	--	--	--	Lucern	08/11/06	28/02/07	736	31
		Irrigated	--"--	--	--	--	G' nut	10/11/06	02/03/07	736	31
		Irrigated	--"--	--	--	--	G' nut	10/11/06	28/02/07	736	31
		Irrigated	--"--	--	--	--	Sesamum	06/11/06	26/02/07	736	31
		Irrigated	--"--	--	--	--	Black gram	07/11/06	26/02/07	736	31
		Irrigated	--"--	--	--	--	Sesamum	15/11/06	21/02/07	736	31
Wheat	Rabi 06-07	Irrigated	--"--	--	--	--	Fodder Sorghum	12/11/06	24/02/07	736	31
		Irrigated	--"--	--	--	--	Cotton	14/11/06	23/02/07	736	31
		Irrigated	--"--	--	--	--	G' nut	14/11/06	24/02/07	736	31
		Irrigated	--"--	--	--	--	Pearl millet	20/11/06	01/03/07	736	31
		Irrigated	--"--	--	--	--	Black gram	20/11/06	28/02/07	736	31
		Irrigated	--"--	--	--	--	Sesamum	18/11/06	02/03/07	736	31
		Irrigated	--"--	--	--	--	Cotton	18/11/06	26/02/07	736	31
		Irrigated	--"--	--	--	--	Pearl millet	17/11/06	26/02/07	736	31
		Irrigated	--"--	--	--	--	Cotton	17/11/06	25/02/07	736	31
		Irrigated	--"--	--	--	--	G' nut	15/11/06	02/03/07	736	31
		Irrigated	--"--	--	--	--	Vegetable	14/11/06	27/02/07	736	31
		Irrigated	--"--	--	--	--	G' nut	08/11/06	01/03/07	736	31

Performance of FLD

Sr. No	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl/ha	Increase in yield (%)	Data on parameter in relation to technology demonstrated	
						H	L	A			Dem	Local
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Mustard	Varietal evaluation, recommended package of practices	Guj. Mustard-2	10	5.0	25.00	1.90	14.20	12.40	14.51	--	--
2	G'nut		GG-20	07	2.80	10.00	4.00	6.60	5.70	15.78	--	--
			GG-7	03	1.20	12.00	8.00	9.70	8.00	21.25	--	--
3	Gram		Guj. Gram-2	10	5.0	20.00	10.00	15.00	13.25	13.20	--	--
4	Cotton		Bt Rainfed	02	0.8	19.00	17.50	18.25	17.00	07.35	--	--
			Bt Irrigated	08	3.20	28.00	13.50	22.50	19.13	17.61	--	--
5	Cumin		Guj.Cumin -4	13	5.20	8.00	1.40	6.42	5.30	21.13	--	--
6	Wheat		GW-496	07	2.80	42.00	27.00	31.71	26.57	19.34	--	--
			GW-322	05	2.00	50.00	29.50	38.90	34.70	12.10	--	--

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
1912	1749	26698	GM-1	12698	11760	1:1.9
3150	2925	13396	GAUG-10	3896	1455	1:1.4
3300	3050	21050	GG-2	11350		1:2.1
2470	2299	36617	GG-1	20117	11070	1:2.2
3800	3650	37812	Non-Bt	20012	15500	1:2.1
4350	4200	50068	Non-Bt	30068		1:2.5
2457	2137	65770	Local Rajsthani	40470	28350	1:2.5
4537	4166	33446	Lok-1	12146	8130	1:1.5
4417	4166	39505	Lok-1	18305		1:1.8

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

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in Productivity over local check
		1. Seed/Variety				
Mustard	Rabi 06-07	Guj. Mustard-2	Irrigated	14.20	12.40	14.51
Gram	Rabi 06-07	Guj. Gram-2	Irrigated	15.00	13.25	13.20
Cumin	Rabi 06-07	Guj. Cumin-4	Irrigated	6.42	5.30	21.13
Wheat	Rabi 06-07	GW-496	Irrigated	31.71	26.57	19.34
		GW-322	Irrigated	38.90	34.70	12.10
--	--	**2. Bio-fertilizer**	--	--	--	--
--	--	**3. Fertilizer mgt**	--	--	--	--
--	--	**4. Plant Protection**	--	--	--	--
G'nut	Kharif 06-07	GG-20	Irrigated	6.60	5.70	15.78
		GG-7	Rainfed	9.70	8.00	21.25
Cotton	Kharif 06-07	Bt Rainfed	Rainfed	18.25	17.00	07.35
		Bt Irrigated	Irrigated	22.50	19.13	17.61

Technical Feedback on the demonstrated technologies

Sr. No	Feed Back
1	To motivate the farmers to use recently developed certified varieties of related crop.
2	Efficient use of irrigation water by use of drip & sprinkler system.
3	Proper use of fertilizers, insecticides and fungicides as per recommendation to reduce the production cost

Farmers' reactions on specific technologies

Sr. No	Feed Back
1	Yield may be decrease due to uneven & untimely rainfall.
2	New varieties are most probably susceptible to insect- pest and diseases.

Extension and Training activities under FLD

Sr. No	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	1	17/10/06	43	--
		1	13/11/06	24	--
		1	16/11/06	24	--
		1	22/01/07	17	--
		1	25/01/07	12	--
		1	01/02/07	28	--
		1	06/02/07	19	--
		1	12/02/07	48	--
		1	15/02/07	29	--
Total		**9**	**--**	**244**	**--**
2	Farmers Training	1	08/08/07	22	--
		1	10/09/07	16	--
		1	26/10/06	25	--
		1	15/11/06	24	--
		1	17/11/06	23	--
		1	08/12/06	28	--
		1	13/12/06	23	--
		1	17/02/07	54	--
		1	22/06/07	17	--
		1	27/06/07	16	--
		1	10/08/07	22	--
		1	17/08/07	27	--
		1	06/11/06	25	--
		1	07/12/06	25	--
		1	16/12/06	23	--
		1	18/12/06	22	--
		1	05/04/07	18	--
		1	22/05/07	11	--
		1	05/06/07	18	--
		1	08/08/07	18	--
		1	31/08/07	40	--
Total		**21**	**--**	**497**	**--**

3	Media coverage	1	20/01/07	--	--
		1	23/03/07	--	--
Total		**2**	**--**	**--**	**--**
4	Training for extension functionaries	1	18/10/07	16	--
		1	21/8/07 to 25/8/07	25	--
Total		**2**	**--**	**41**	**--**

c. Details of FLD on Enterprises

(i) Farm Implements: NIL

(ii) Livestock Enterprises: NIL

(iii) Other Enterprises: NIL

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
		M	F	T	M	F	T	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	--	--	--	**--**	--	--	**--**	**--**
Resource Conservation Technologies	--	--	--	**--**	--	--	**--**	**--**
Cropping Systems	1	18	--	**18**	--	--	**--**	**18**
Crop Diversification	--	--	--	**--**	--	--	**--**	**--**
Integrated Farming	2	46	--	**46**	14	--	**14**	**60**
Water management	1	18	--	**18**	7	--	**7**	**25**
Seed production	2	37	--	**37**	1	--	**1**	**38**
Nursery management	--	--	--	**--**	--	--	**--**	**--**
Integrated Crop Management	3	49		49	13		13	62
Fodder production	--	--	--	**--**	--	--	**--**	**--**
Production of organic inputs	1	15	--	**15**	--	--	**0**	**15**
II Horticulture								
a) Vegetable Crops								

Production of low volume and high value crops	1	20	--	**20**	5	--	**5**	**25**
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	--	--	--	**--**	--	--	**--**	**--**
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	1	19	--	**19**	1	--	**1**	**20**
Processing and value addition	--	--	--	**--**	--	--	**--**	**--**
e) Tuber crops								
Production and Management technology	--	--	--	**--**	--	--	**--**	**--**
Processing and value addition	--	--	--	**--**	--	--	**--**	**--**
f) Spices								
Production and Management technology	--	--	--	**--**	--	--	**--**	**--**
Processing and value addition	--	--	--	**--**	--	--	**--**	**--**
g) Medicinal and Aromatic Plants								
Nursery management	--	--	--	**--**	--	--	**--**	**--**

Production and management technology	--	--	--	**--**	--	--	**--**	**--**
Post harvest technology and value addition	--	--	--	**--**	--	--	**--**	**--**
III Soil Health and Fertility Management								
Soil fertility management	--	--	--	**--**	--	--	**--**	**--**
Soil and Water Conservation	3	61		**61**	2		**2**	**63**
Integrated Nutrient Management	--	--	--	**--**	--	--	**--**	**--**
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	3	53	--	**53**	2	--	**2**	**55**
Poultry Management	--	--	--	**--**	--	--	**--**	**--**
Piggery Management	--	--	--	**--**	--	--	**--**	**--**
Rabbit Management	--	--	--	**--**	--	--	**--**	**--**
Disease Management	2	51	--	**51**	10	--	**10**	**61**
Feed management	1	16	--	**16**	--	--	**0**	**16**
Production of quality animal products	--	--	--	**--**	--	--	**--**	**--**
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	--	16	**16**	--	--	**--**	**16**
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		9	9		9	9	18
Value addition	1	--	12	**12**	--	2	**2**	**14**
Income generation activities for empowerment of rural Women	--	--	--	**--**	--	--	**--**	**--**
Location specific drudgery reduction technologies	--	--	--	**--**	--	--	**--**	**--**
Rural Crafts	1	--	29	**29**	--	14	**14**	**43**

Women and child care	2	--	32	**32**	--	--	**--**	**32**
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	20	--	**20**	1	--	**1**	**21**
Use of Plastics in farming practices	--	--	--	**--**	--	--	**--**	**--**
Production of small tools and implements	--	--	--	**--**	--	--	**--**	**--**
Repair and maintenance of farm machinery and implements	--	--	--	**--**	--	--	**--**	**--**
Small scale processing and value addition	--	--	--	**--**	--	--	**--**	**--**
Post Harvest Technology	--	--	--	**--**	--	--	**--**	**--**
VII Plant Protection								
Integrated Pest Management	4	74	--	**74**	18	--	**18**	**92**
Integrated Disease Management	2	29	--	**29**	--	--	**--**	**29**
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	--	--	--	--	--	--	--	--
Production of fry and fingerlings	--	--	--	--	--	--	--	--
Production of Bee-colonies and wax sheets	--	--	--	--	--	--	--	--
Small tools and implements	--	--	--	--	--	--	--	--
Production of livestock feed and fodder	--	--	--	--	--	--	--	--
Production of Fish feed	--	--	--	--	--	--	--	--
X Capacity Building and Group Dynamics								
Leadership development	--	--	--	--	--	--	--	--
Group dynamics	--	--	--	--	--	--	--	--
Formation and Management of SHGs	--	--	--	--	--	--	--	--
Mobilization of social capital	--	--	--	--	--	--	--	--
Entrepreneurial development of farmers/youths	--	--	--	--	--	--	--	--
WTO and IPR issues	--	--	--	--	--	--	--	--
XI Agro-forestry								
Production technologies	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--
Integrated Farming Systems	--	--	--	--	--	--	--	--
TOTAL (Farmers & Farm Women)	**34**	**526**	**98**	**624**	**74**	**25**	**99**	**723**
(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 RURAL YOUTH	--	--	--	--	--	--	--	--
(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 Extension Personnel	--	--	--	**--**	--	--	**--**	**--**
TOTAL "ON CAMPUS"	**34**	**526**	**98**	**624**	**74**	**25**	**99**	**723**

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		M	F	T	M	F	T	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	20		**20**	8		**8**	**28**
Resource Conservation Technologies	--	--	--	**--**	--	--	**--**	**--**
Cropping Systems	--	--	--	**--**	--	--	**--**	**--**
Crop Diversification	--	--	--	**--**	--	--	**--**	**--**
Integrated Farming	--	--	--	**--**	--	--	**--**	**--**
Water management	--	--	--	**--**	--	--	**--**	**--**
Seed production	2	35	--	**35**	5	--	**5**	**40**

Nursery management	--	--	--	**--**	--	--	**--**	**--**
Integrated Crop Management	3	53		**53**	16		**16**	**69**
Fodder production	--	--	--	**--**	--	--	**--**	**--**
Production of organic inputs	4	386	3	**389**	51	3	**54**	**443**
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	1	150	--	**150**	--	--	**0**	**150**
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	--	--	--	**--**	--	--	**--**	**--**
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	19	--	**19**	--	--	**0**	**19**
d) Plantation crops								
Production and Management technology	2	29		**29**	8		**8**	**37**
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	18	--	**18**	2	--	**2**	**20**
Soil and Water Conservation	2	36	--	**36**	4	--	**4**	**40**
Integrated Nutrient Management	1	111	--	**111**	19	--	**19**	**130**
Production and use of organic inputs	--	--	--	**--**	--	--	**--**	**--**
Management of Problematic soils	--	--	--	**--**	--	--	**--**	**--**
Micro nutrient deficiency in crops	--	--	--	**--**	--	--	**--**	**--**
Nutrient Use Efficiency	1	15	--	**15**	2	--	**2**	**17**
Soil and Water Testing	1	7	--	**7**	14	--	**14**	**21**
IV Livestock Production and Management								
Dairy Management	2	264	--	**264**	21	--	**21**	**285**
Poultry Management	--	--	--	**--**	--	--	**--**	**--**
Piggery Management	--	--	--	**--**	--	--	**--**	**--**
Rabbit Management	--	--	--	**--**	--	--	**--**	**--**
Disease Management	4	76	--	**76**	18	--	**18**	**94**
Feed management	1	20	--	**20**	--	--	**--**	**20**
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	3	--	37	**37**	--	41	**41**	**78**
Value addition	1	--	18	**18**	--	2	**2**	**20**
Income generation activities for empowerment of rural Women	--	--	--	**--**	--	--	**--**	**--**
Location specific drudgery reduction technologies	--	--	--	**--**	--	--	**--**	**--**
Rural Crafts	--	--	--	**--**	--	--	**--**	**--**
Women and child care	3		32	**32**		21	**21**	**53**
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	--	--	--	**--**	--	--	**--**	**--**
Use of Plastics in farming practices	--	--	--	**--**	--	--	**--**	**--**
Production of small tools and implements	4	69	--	**69**	7	--	**7**	**76**
Repair and maintenance of farm machinery and implements	1	19	--	**19**	1	--	**1**	**20**
Small scale processing and value addition	--	--	--	**--**	--	--	**--**	**--**
Post Harvest Technology	--	--	--	**--**	--	--	**--**	**--**
VII Plant Protection								
Integrated Pest Management	3	86	--	**86**	11	--	**11**	**97**
Integrated Disease Management	3	67	--	**67**	2	--	**2**	**69**
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	--	--	--	--	--	--	--	--
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	1	7	--	**7**	14	--	**14**	**21**
Nursery management	--	--	--	--	--	--	--	--
Integrated Farming Systems	--	--	--	--	--	--	--	--
TOTAL Farmers & Farm Women	**46**	**1487**	**90**	**1577**	**203**	**67**	**270**	**1847**

(B) RURAL YOUTH								
Mushroom Production	--	--	--	**--**	--	--	**--**	**--**
Bee-keeping	--	--	--	**--**	--	--	**--**	**--**
Integrated farming	1	10	--	**10**	6	--	**6**	**16**
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 RURAL YOUTH	**1**	**10**	**--**	**10**	**6**	**--**	**6**	**16**
(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	2	39	--	**39**	2	--	**2**	**41**
Capacity building for ICT application	--	--	--	--	--	--	--	--
Care and maintenance of farm machinery and implements	--	--	--	--	--	--	--	--
WTO and IPR issues	--	--	--	--	--	--	--	--
Management in farm animals	--	--	--	--	--	--	--	--
Livestock feed and fodder production	--	--	--	--	--	--	--	--
Household food security	--	--	--	--	--	--	--	--
Women and Child care	--	--	--	--	--	--	--	--
Low cost and nutrient efficient diet designing	--	--	--	--	--	--	--	--
Production and use of organic inputs	--	--	--	--	--	--	--	--
Gender mainstreaming through SHGs	--	--	--	--	--	--	--	--
TOTAL Extension Personnel	**2**	**39**	**0**	**39**	**2**	**0**	**2**	**41**
TOTAL "OFF CAMPUS'	**49**	**1536**	**90**	**1626**	**211**	**67**	**278**	**1904**

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		M	F	T	M	F	T	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	20	--	**20**	8	--	**8**	**28**
Resource Conservation Technologies	--	--	--	**--**	--	--	**--**	**--**
Cropping Systems	1	18	--	**18**	--	--	**--**	**18**
Crop Diversification	--	--	--	**--**	--	--	**--**	**--**
Integrated Farming	2	46	--	**46**	14	--	**14**	**60**
Water management	1	18	--	**18**	7	--	**7**	**25**
Seed production	4	72	--	**72**	6	--	**6**	**78**
Nursery management	--	--	--	**--**	--	--	**--**	**--**
Integrated Crop Management	6	102	0	**102**	29	0	**29**	**131**
Fodder production	--	--	--	**--**	--	--	**--**	**--**
Production of organic inputs	5	401	--	**404**	51	3	**54**	**458**
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	170	--	**170**	5	--	**5**	**175**
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	--	--	--	**--**	--	--	**--**	**--**
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	19	--	**19**	--	--	**--**	**19**
d) Plantation crops								
Production and Management technology	3	48	--	48	9	--	9	57
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	18	--	**18**	2	--	**2**	**20**
Soil and Water Conservation	5	97	--	**97**	6	--	**6**	**103**
Integrated Nutrient Management	1	111	--	**111**	19	--	**19**	**130**
Production and use of organic inputs	--	--	--	**--**	--	--	**--**	**--**
Management of Problematic soils	--	--	--	**--**	--	--	**--**	**--**
Micro nutrient deficiency in crops	--	--	--	**--**	--	--	**--**	**--**
Nutrient Use Efficiency	1	15	--	**15**	2	--	**2**	**17**
Soil and Water Testing	1	7	--	**7**	14	--	**14**	**21**
IV Livestock Production and Management								

Dairy Management	5	317	--	**317**	23	--	**23**	**340**
Poultry Management	--	--	--	**--**	--	--	**--**	**--**
Piggery Management	--	--	--	**--**	--	--	**--**	**--**
Rabbit Management	--	--	--	**--**	--	--	**--**	**--**
Disease Management	6	127	--	**127**	28	--	**28**	**155**
Feed management	2	36	--	**36**	--	--	**--**	**36**
Production of quality animal products	--	--	--	**--**	--	--	**--**	**--**
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	--	16	**16**	--	--	**--**	**16**
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	4	--	46	**46**	--	50	**50**	**96**
Value addition	2	--	30	**30**	--	4	**4**	**34**
Income generation activities for empowerment of rural Women	--	--	--	**--**	--	--	**--**	**--**
Location specific drudgery reduction technologies	--	--	--	**--**	--	--	**--**	**--**
Rural Crafts	1	--	29	**29**	--	14	**14**	**43**
Women and child care	5	--	64	**64**	--	21	**21**	**85**
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	20	--	**20**	1	--	**1**	**21**
Use of Plastics in farming practices	--	--	--	**--**	--	--	**--**	**--**
Production of small tools and implements	4	69	--	**69**	7	--	**7**	**76**
Repair and maintenance of farm machinery and implements	1	19	--	**19**	1	--	**1**	**20**
Small scale processing and value addition	--	--	--	**--**	--	--	**--**	**--**
Post Harvest Technology	--	--	--	**--**	--	--	**--**	**--**
VII Plant Protection								

Integrated Pest Management	7	160	--	**160**	29	--	**29**	**189**
Integrated Disease Management	5	96	--	**96**	2	--	**2**	**98**
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	--	--	--	**--**	--	--	**--**	**--**
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	1	7	--	**7**	14	--	**14**	**21**
Nursery management	--	--	--	**--**	--	--	**--**	**--**
Integrated Farming Systems	--	--	--	**--**	--	--	**--**	**--**
XII Others (Pl. Specify)								
TOTAL Farmers & Farm Women	**80**	**2013**	**188**	**2201**	**277**	**92**	**369**	**2570**
(B) RURAL YOUTH								
Mushroom Production	--	--	--	**--**	--	--	**--**	**--**
Bee-keeping	--	--	--	**--**	--	--	**--**	**--**
Integrated farming	1	10	--	**10**	6	--	**6**	**16**
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 RURAL YOUTH	**1**	**10**	**--**	**10**	**6**	**--**	**6**	**16**
(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	2	39	--	**39**	2	--	**2**	**41**
Capacity building for ICT application	--	--	--	**--**	--	--	**--**	**--**
Care and maintenance of farm machinery and implements	--	--	--	**--**	--	--	**--**	**--**
WTO and IPR issues	--	--	--	**--**	--	--	**--**	**--**

Management in farm animals	--	--	--	--	--	--	--	--
Livestock feed and fodder production	--	--	--	--	--	--	--	--
Household food security	--	--	--	--	--	--	--	--
Women and Child care	--	--	--	--	--	--	--	--
Low cost and nutrient efficient diet designing	--	--	--	--	--	--	--	--
Production and use of organic inputs	--	--	--	--	--	--	--	--
Gender mainstreaming through SHGs	--	--	--	--	--	--	--	--
TOTAL Extension Personnel	**2**	**39**	**--**	**39**	**2**	**--**	**2**	**41**
TOTAL	**83**	**2062**	**188**	**2250**	**285**	**92**	**377**	**2627**

The details of training programmes

Date	Clien-tele	Title of the training programme	Dura-Tion in days	Venue (Off/On Campus)	Number of participants			Number of SC/ST		
					M	F	T	M	F	T
06/11/06	PF	Improved cultivation practices for wheat & cumin	1	On campus	25	0	25	6	0	6
07/12/06	PF	Efficient water management in Rabi crops	1	On campus	25	0	25	7	0	7
16/12/06	PF	Integrated insect- pest and disease management in wheat & cumin	1	On campus	23	0	23	9	0	9
18/12/06	PF	Pure seeds production in wheat and cumin	1	On campus	22	0	22	0	0	0
27/12/06	FW	Nutrition management in mother and child	1	On campus	0	12	12	0	0	0
30/12/06	PF	Importance in artificial insemination	1	On campus	22	0	22	0	0	0
09/01/07	PF	Organic residue management	1	On campus	15	0	15	0	0	0
14/02/07	FW	Preparation & Preservation of fruits and vegetables	1	On campus	0	18	18	0	9	9
20/02/07	PF	Cause, sign, treatment and control of foot and mouth disease	1	On campus	20	0	20	2	0	2
1/3/2007	PF	Management & care of pregnant animals	1	On campus	19	0	19	2	0	2
5/3/2007	PF	Integrated insect, pest & disease management in vegetables	1	On campus	17	0	17	0	0	0
17/03/07	FW	Kitchen gardening	1	On campus	0	16	16	0	0	0
05/04/07	PF	Importance of preparing cropping scheme	1	On campus	18	0	18	0	0	0
23/04/07	PF	Management of feeding practices of dairy animals	1	On campus	16	0	16	0	0	0

22/05/07	PF	Management of important insect, pest and disease in groundnut	1	On campus	11	0	11	0	0	0
25/05/07	PF	Important points for enhance milk production	1	On campus	14	0	14	0	0	0
28/05/07	FW	Preparation & Preservation of mango products	1	On campus	0	14	14	0	2	2
05/06/07	PF	Crop production technology Groundnut & Sesamum	1	On campus	18	0	18	2	0	2
21/06/07	PF	Mixed farming in dry land Agriculture area	1	On campus	22	0	22	8	0	8
25/06/07	PF	IPM in vegetables	1	On campus	12	0	12	4	0	4
30/06/07	PF	Rain water management technology	1	On campus	19	0	19	1	0	1
01/08/07	PF	Role of intercropping in rainfed area	1	On campus	19	0	19	5	0	5
03/08/07	PF	In-situ moisture conservation practices	1	On campus	23	0	23	1	0	1
06/08/07	PF	Efficient use of harvested water	1	On campus	21	0	21	0	0	0
08/08/07	PF	Integrated insect pest and disease management in cotton	1	On campus	18	0	18	0	0	0
29/08/07	PF	Control of ceto and endoparasites in cattle	1	On campus	41	0	41	8	0	8
30/08/07	PF	Castor production technology	1	On campus	38	0	38	6	0	6
31/08/07	PF	Integrated insect, pest and disease management in sesamum and castor	1	On campus	40	0	40	5	0	5
01/09/07	FW	Preparation and importance of sprouted pulses for human health. Different handwork(hand stitch)	1	On campus	0	43	43	0	14	14
07/09/07	PF	Production technology of Arid fruit	1	On campus	20	0	20	1	0	1
10/09/07	PF	Pure seed production technology in sesame	1	On campus	16	0	16	1	0	1
20/09/07	PF	government subsidies in drip, sprinkler and agri. Implements	1	On campus	21	0	21	1	0	1
24/09/07	FW	Importance of vaccination in children	1	On campus	0	20	20	0	0	0
25/09/07	PF	Improved cultivation practices for vegetable	1	On campus	25	0	25	5	0	5
26/10/06	PF	Cumin production technology	1	Off Campus	25	0	25	7	0	7
14/11/06	PF	Vaccinations of animals	1	Off Campus	29	0	29	13	0	13
15/11/06	PF	Control measures of pest and diseases of *rabi* crops	1	Off Campus	24	0	24	0	0	0
17/11/06	PF	Improved cultivation practices for gram	1	Off Campus	23	0	23	3	0	3
01/12/06	PF	Scientific care and managements of calf for increase dairy farm income	1	Off Campus	20	0	20	0	0	0

04/12/06	FW	Preparation and preservation of vegetable pickles.	1	Off Campus	0	22	22	0	11	11
08/12/06	PF	Integrated weed management in major *rabi* field crops	1	Off Campus	28	0	28	8	0	8
11/12/06	PF	Importance of floriculture	1	Off Campus	19	0	19	0	0	0
13/12/06	PF	Pure seeds production technique in cumin	1	Off Campus	23	0	23	5	0	5
15/12/06	PF	Pest and diseases management in onion, garlic and chilli	1	Off Campus	23	0	23	0	0	0
29/12/06	PF	Trouble shooting of micro-irrigation system	1	Off Campus	16	0	16	6	0	6
30/12/06	PF	Drip irrigation in horticultural crops	1	Off Campus	15	0	15	6	0	6
16/01/07	PF	Use of important of manure	1	Off Campus	20	0	20	7	0	7
19/01/07	PF	Selection & maintenance of pump sets	1	Off Campus	20	0	20	1	0	1
01/02/07	FW	Rat control	1	Off Campus	0	19	19	0	0	0
12/02/07	PF	Selection of breed & cross breeding in milch animals	1	Off Campus	35	0	35	4	0	4
17/02/07	PF	Safe use of pesticides	1	Off Campus	54	0	54	7	0	7
22/02/07	PF	Soil & fertility management	1	Off Campus	20	0	20	2	0	2
16/03/07	PF	Rain water management technology	1	Off Campus	21	0	21	3	0	3
12/04/07	PF	Method of soil sampling	1	Off Campus	21	0	21	14	0	14
10/05/07	PF	Preparation of enriched compost	1	Off Campus	21	0	21	0	0	0
16/05/07	FW	Prevention of dehydration by ORS	1	Off Campus	0	14	14	3	0	3
08/06/07	PF	Cause, sign, treatment and control of hemorrhagic septicemia	1	Off Campus	17	0	17	0	0	0
20/06/07	PF	Jatropha in waste land plantation	1	Off Campus	21	0	21	14	0	14
22/06/07	PF	Dose of fertilizer and method of application in Kharif crops	1	Off Campus	17	0	17	2	0	2
26/06/07	FW	Nutrition deficiency in women and their control	1	Off Campus	0	20	20	0	2	2
27/06/07	PF	Seed treatment in groundnut	1	Off Campus	16	0	16	2	0	2
31/07/07	FW	Vaccination of mother and children	1	Off Campus	0	19	19	0	16	16
08/08/07	PF	Use of wind energy	1	Off Campus	16	0	16	2	0	2
10/08/07	PF	Control measure for pest and diseases of cotton	1	Off Campus	22	0	22	2	0	2
13/08/07	PF	Use of solar energy	1	Off Campus	20	0	20	1	0	1

14/08/07	FW	Preparation and preservation of lemon (pickle & squash)	1	Off Campus	0	20	20	0	2	2
14/08/07	FW	Food grain storage technique and preparation and preservation of lemon (pickle & squash)	1	Off Campus	0	37	37	0	30	30
15/08/07	PF	Introduction of effective and improved Agril equipments	1	Off Campus	21	0	21	2	0	2
16/08/07	PF	Cause, sign, treatment and control of bloat	1	Off Campus	28	0	28	3	0	3
17/08/07	PF	Control measure for pest and diseases of sesamum	1	Off Campus	27	0	27	2	0	2
22/08/07	PF	Introduction to new developed farm implements and their use	1	Off Campus	19	0	19	2	0	2
11/09/07	PF	Control of ecto and endoparasites in cattle	1	Off Campus	20	0	20	2	0	2
12/09/07	PF	Pure seed production technology in Cumin	1	Off Campus	17	0	17	0	0	0
18/09/07	PF	Improved cultivation practices for chickpea	1	Off Campus	21	0	21	6	0	6
19/09/07	PF	Waste land management practices	1	Off Campus	19	0	19	1	0	1
21/09/07	PF	Production technology of Arid fruit crop	1	Off Campus	22	0	22	2	0	2

D) Vocational training programmes for Rural Youth: NIL

E) Sponsored Training Programmes

Sr. No	Title	Thematic area	Month	Dura-tion (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	Importance of organic farming	Organic farming (Agronomy)	08/10/06	1	F	1	283	26	-	-	283	26	309	AKRSP, Sayla
2	Balance use of fertilizers	Soil science	07/11/06	1	F	1	111	19	-	-	111	19	130	GNFC, Surendranagar
3	Workshop on organic farming	Organic farming (Agronomy)	18/01/07	1	F	1	66	21	06	03	72	24	96	AKRSP, Sayla
4	How to enhance milk production	Animal science	16/05/07	1	F	1	233	17	-	-	233	17	250	GNFC, Surendranagar
5	District level seminar on improvement of vegetable	Horticulture	10/09/07	1	F	1	150	-	-	-	150	-	150	NHM, Surendranagar
Total				**5**	**-**	**5**	**843**	**83**	**6**	**3**	**849**	**86**	**935**	

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		M	F	T	M	F	T	M	F	T
Field Day	9	244	0	244	23	2	25	267	2	269
Kisan Mela	1	249	-	249	04	-	04	253	-	253
Kisan Ghosthi	7	435	86	521	15	2	17	450	88	538
Exhibition	1	231	10	241	04	--	04	235	10	345
Film Show	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	-	-	-	-	-	-	-	-	-	-
Farmers Seminar	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-
Group meetings	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	1	-	249	249	-	1	1	-	250	250
Newspaper coverage	5	-	-	-	-	-	-	-	-	-
Radio talks	2	-	-	-	1	1	2	1	1	2
TV talks	-	-	-	-	-	-	-	-	-	-
Popular articles	-	-	-	-	-	-	-	-	-	-
Extension Literature	6	-	-	-	05	01	06	05	01	06
Advisory Services	91	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	69	69	00	69	-	-	-	69	00	69
Farmers visit to KVK	385	908	172	1080				908	172	1080
Diagnostic visits	15									
Animal Health Camp	7	121	0	121	9	0	9	130	0	130
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)	-	-	-	-	-	-	-	-	-	-
Total										

3.5 Production and supply of Technological products

SEED MATERIALS: NIL

PLANTING MATERIALS: NIL

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

(A) KVK News Letter: nil

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers	Heterosis in Sesame *(Sesamum indicum L.)*	R.M. Javia; H.M. Pandya & H.L. Dhaduk	1
	Genetic diversify in macroni wheat *(Triticum durum Dest)*	K.H.Ribadia *et al*	1
	Combining ability through line x tester analysis in macroni wheat *(Triticum durum Dest)*	K.H.Ribadia *et al.*	1
Extension literature	Surendranagar jilla nu krushi mandir	Dr. R.M.Javia Dr.B.B.Kabariya	1000
	Kapas ma jivato tatha rogoni niyantran vyavastha	Mr.A.M.Bhradiya, Dr. R.M.Javia	1000
	Vadhu dudh utpadan kem medavaso?	Dr.M.M.Tajapara, Dr. R.M.Javia	1000
	Khedut mahilao mate poshan xamya aahar	Ms. B.M.Bhalala, Dr. R.M.Javia	1000
	Suki khetima vadhare pak utpadan kevi rite medavaso?	Mr.H.M.Bhuva, Dr. R.M.Javia	1000
	Jad sangrahni vividh paddhatio	Mr. G.V.Prajapati, Dr. R.M.Javia	1000
TOTAL	**6**		**6000**

(C) Details of Electronic Media Produced :

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

3.7. Success stories/Case studies,

1) Adaptation of new high yielding variety of wheat GW-322

1. Name of farmer : Ashokbhai Viramji Odedara
2. Name of village : Aaya (Sayala)
3. District : Surendranagar

Wheat is the staple food grain for Gujarat and most of the farmers of this area cultivated wheat as a Rabi crop. The average productivity of wheat is very low i.e. 2000-2200 kg/ha of district. Most of the farmer was using local variety for sowing. So the yield comes very low.

Shri Ashokbhai is a progressive farmer of the Aaya village, Talulka:Sayala. He has about 7 ha land on which he grows mostly wheat in Rabi season. Through Krishi Vigyan Kendra one FLD of wheat variety GW-322 was conducted on his field. The variety shows better yield against the local check (LOK-1). He told that approximately 15-20% yields were increased due to the adoption of GW-322 variety. The chapattis of this variety is very good in taste and appearance than LOK-1 variety. He said that for the forthcoming year he will definitely sow GW-322 variety due to its superior quality and yield over LOK-1.

2) Adaptation of disease resistance variety of cumin

1. Name of farmer : Amarsinhbhai Kuvarabhai Jogarajiya
2. Name of village : Lakhanka (Chotila)
3. District : Surendranagar

In Surendranagar district the area of cumin is increasing day by day due to the favorable climate and high remunerative price of cumin. For successful cultivation of cumin dry and cool climate is suitable. Cumin is winter season crop. The relative humidity remains higher during the growing season which favors the disease like Alternaria blight and Downy mildew. Recently Gujarat Cumin-4 variety has been found tolerant against wilt and therefore it has been recommended for the cultivation.

Shri Amarsinhbhai is a progressive farmer of a Lakhanka village. He is a regular cultivator of cumin. Mostly he used cumin local variety (Rajashani cumin) which is susceptible to wilt disease. During off campus training cumin cultivation technology, package and practices was taught to the farmers of Lakhanka village. And one FLD on Gujarat cumin-4 was allotted to him during Rabi 2006-07. This variety performed better and shows higher disease resistance as compared to local variety. Guj. Cumin-4 also gave higher yield than local one. He told that he will definitely sow this variety on higher land area because the varietal yield is higher, has more disease resistance capacity and ultimately give more profit.

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

1. Method of sowing (**Row sowing of cumin):**

Cumin is highly remunerative as compared to other spice crops. In Surendranagar district the area of cumin is increasing due to suitable climatic condition of the district. For successful cultivation of cumin dry and cool climate is most favorable, hence Surendranagar district is suited to its cultivation.

During PRA survey and various field diagnostic visits, it was found that most of the farmers were adopted broad casting method for sowing of cumin. After discussing with all the Subject Matter Specialists of the Krishi Vigyan Kendra under the chairmanship of Dr. R. M. Javia, Programme coordinator, a field experiment on cumin was conducted at the Krishi Vigyan Kendra. The plot is divided into two halves, one for farmer's practice and other for row sowing i.e. for improved practice. All the component of production technologies keeps same. During the initial stage of germination, the germination occurs very well in row sowing as compare to local check. The growth parameters were also good in improved practices than the check. It was found that heavy attack of powdery mildew occur in dense populated farmer's practices plot as compared to improved practices plot. The yield of the crop was also fluctuated. As a result we found that the row sowing method is more suitable for cumin sowing rather than broad casting method.

2. Use of *Tricoderma harzianum* against stem rot disease of groundnut.
3. Cotton Stalk Shredder
4. Cotton Stalk Puller
5. Tractor mounted spryer
6. Minimizing the Fertilizer and Maximizing organic manure in Cotton crop
7. IPM in Cotton

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

Sr. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Cotton	Cow urine + Dhatura + Desi Aakada boiled and their boiled extract sprays on cotton crop to control the sucking pest.	To control sucking pest.
2	Black gram	Uses of Mehandi powdar and Black gram for minimize the repeat breeder (Uthalo)	To minimize repeat breeder
3	Cattle	For the control of H.S. disease (Locally called Humaro), Kalthi pulse used in feeding	To control H.S. disease
4	Cotton	Boiled mixture of neem oil (500 gms), Aelovera (4 kg), tobacco (500 gms)& water (20 lit) used to control the heleothis, pink boll worm, semi looper	To control the heleothis, pink boll worm, semi looper
5	Wheat	Use of cactus leaves & fruits to control the termites	To control termites
6	Cumin	For the control of powdery mildew in cumin, boiled extract of 3 kg leaves of Piludi + 20 lit water spray on cumin	To control powdery mildew
7	Castor	Milk of cactus is used for the control of stem rot in castor	To control stem rot
8	Cotton	Fermented bajra floor (Bajra floor dig in heap of gobber for 10 days) used for the control of different larvae in Cotton	To control different larvae
9	Pulses	Ash powder is used to preserve the pulses.	For the storage
10	Grain	Neem leaves are used to store pulses as well as grains.	For the storage
11	Child care	To cure cough and cold in children, ajwain seed or nagarvel leaf should be used. Those are applying on chest and give hot towel treatment to child.	Child care
12	Child care	To cure dehydration, jaggery water is given to child	Child care

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

* Identification of courses for farmers/farm women:
  - Training for value addition in groundnut and pulse
* Rural Youth:
  - Care and maintenance of farm implements.
  - Safe use of agro chemicals.
  - Organic farming.
* Inservice personnel: Nil

3.11 Field activities

* Number of villages adopted : 14
* No. of farm families selected : 140
* No. of survey/PRA conducted : 1 PRA, 1 Bench Mark Survey

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Not Established

1. Year of establishment : Not Established
2. List of equipments purchased with amount : --

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

3. Details of samples analyzed so far :

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

4. IMPACT

4.1 Impact of KVK activities

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Use of Tricoderma in groundnut	80	65	11500	15000

4.2. Cases of large scale adoption: NIL

4.3 Details of impact analysis of KVK activities carried out during the reporting period: Only one year completed

5. LINKAGES

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
State department of Agriculture - Dy. Director of Agriculture (Extension) - Dy. Director of Horticulture - Dy. Director of Animal husbandry - Dy. Director of Soil Conservation - Dy. Director of Social Forestry	The head of all the organizations are members of Scientific Advisory Committee of KVK and have linkage with different activities of KVK viz., training programmes, farmers day, field days, etc.
Jilla Udyog Kendra	
Milk Co-operative Society	
State bank of Saurashtra	
Doordarshan Kendra	
All India Radio	
AKRSP, Sayala	
NHRDF	
Farmers Training Centre	

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.)
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5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district: No

Sr. No.	Programme	Nature of linkage	Remarks
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5.4 Give details of programmes implemented under National Horticultural Mission:

Sr. No.	Programme	Nature of linkage	Constraints if any
1	Seminar on Improved cultivation of vegetables	Participant & Provide lectures to farmers	No

5.5 Nature of linkage with National Fisheries Development Board:

Sr. No.	Programme	Nature of linkage	Remarks
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6. PERFORMANCE OF INFRASTRUCTURE IN KVK :

6.1 Performance of demonstration units (other than instructional farm) : Demonstration units are under construction

6.2 Performance of instructional farm (Crops) including seed production

	Name of crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs)	
					Variety	Type of produce	Quantity (Kg)	Cost of inputs	Gross income
1	Black gram	02-07-06	10-09-06	3.96	T-9	Certified	1418	18940	54765
2	Muth	03-07-06	02-10-06	1.04	G-2	General	34	2000	765
3	Wheat	08-11-06	01-03-07	0.40	GW-496	General	1140	1363	9690
4	Mustard	08-11-06	24-02-07	0.16	Guj-2	General	30	295	449
5	Cumin	15-11-06	21-02-07	0.76	Guj-4	General	107	2708	9603
6.	Sesamum	08-02-06	21-05-07	1.00	Guj-2	Breeder	25	1800	2500
7.	G'nut	05-06-07	-	0.20	GG-20	General	The crops are in current season so results are awaited.		
8.	G'nut	06-07-07	-	6.00	GG-2	Breeder			
9	Cotton	19-06-07	-	1.34	Bt.	General			
10	Sesamum	06-07-07	-	1.00	Guj-2	Breeder			
11	Sesamum	07-07-07	-	0.57	Guj-2	General			
12	Black gram	08-07-07	-	2.00	T-9	General			
13	Castor	14-08-07	-	0.15	JI-96	Nucleus			
14	Sorghum	01-08-07	-	0.45	Local	General			

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

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

6.5 Utilization of hostel facilities: Under construction

Accommodation available (No. of beds): Under construction

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

	Name of the Bank	Location	A/c Number
a. With Host. Institute	SBI	Junagadh	---
b. With KVK (2704 -18)	SBS	Chotila	66002464030
c. With KVK (2076- 22)	SBS	Chotila	66002438769

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

2006-07	Grant Sanctioned by ZC (ICAR),		Grant Released by host institute		Expenditure by KVK		Unspent Balance as on 1st april
	Kharif	Rabi	Kharif	Rabi	Kharif	Rabi	
Oil seed							
Inputs	24500	8750	24000		14991		15
Ext activities	3500	1250			--		
TA/DA/POL	3500	1250			8994		
5 % SAU/DEE	1750	625			--		
Total	***33250***	***11875***	***24000***		***23985***		***15***

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

2006-07	Grant Sanctioned by ZC (ICAR),		Grant Released by host institute		Expenditure by KVK		Unspent Balance as on 1st april
	Kharif	Rabi	Kharif	Rabi	Kharif	Rabi	
Pulses							
Inputs	18200	10850	9500		5670		18
Ext activities	2600	1550			920		
TA/DA/POL	2600	1550			2892		
5 % SAU/DEE	1300	775			--		
Total	***24700***	***14725***	***9500***		***9482***		***18***

7.4 Utilization of funds under FLD on Cotton (Rs. In Lakhs) : NIL {FUND NOT RELEASED}

7.5 Utilization of KVK funds during the year 2006 -07

	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	18,00,000	18,00,000	14,17,120
2	Traveling allowances	50,000	50,000	50,081
3	Contingencies	2,50,000	2,50,000	2,49,237
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	65,000	65,000	88,311
B	POL, repair of vehicles, tractor and equipments	40,000	40,000	76,691
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	50,000	50,000	7,858
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	25,000	25,000	37,439
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	30,000	30,000	2,020
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	25,000	25,000	36,153
G	Training of extension functionaries	15,000	15,000	765
H	Maintenance of buildings	--	--	--
I	Establishment of Soil, Plant & Water Testing Laboratory	--	--	--
J	Library	--	--	--
TOTAL (A)		21,00,000	21,00,000	17,16,438
B. Non-Recurring Contingencies				
1	Works	33,98,000	33,98,000	33,98,000
2	Equipments including SWTL & Furniture	1,25,000	1,25,000	99,784
3	Vehicle	--	--	--
4	Library	10,000	10,000	8,814
TOTAL (B)		35,33,000	35,33,000	35,06,598
(C) Rain water harvesting structure		9,88,000	9,88,000	7,43,411
GRAND TOTAL (A+B+C)		**66,21,000**	**66,21,000**	**59,66,447**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2004 to March 2005	--	--	--	--
April 2005 to March 2006	1,00,000	--	--	1,00,000
April 2006 to March 2007	1,00,000	73,778	15,709	1,58,069