

ANNUAL REPORT – 2009-10

(01.04.2009 TO 31.03.2010)

KVK, NAU, Dediapada, Dist : Narmada

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, NAU, Parsi Tekra, Dediapada- 393 040, District: Narmada, Gujarat	(02649) 290599	-	kvk_narmada@yahoo.in

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

Address	Telephone		E mail
	Office	FAX	
Navsari Agricultural University, Eru Char Rasta, Navsari-396 450, Gujarat	(02637) 282771 to 75	-	vc_nau@yahoo.co.in deenaunvs@yahoo.co.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. J. J. Pastagia	09913652565	09879038539	aayoj2000@yahoo.com

1.4. Year of sanction: 2006

1.5. Staff Position (as on 31st March, 2010)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Programme Coordinator	Vacant	Programme Coordinator	--	12000-18300	--	--	--	--
2	Subject Matter Specialist	S. D. Kavad	SMS (Extension Education)	M. Sc. (Agri.)	8000-13500	8275	4.04.2008	Temporary	OBC
3	Subject Matter Specialist	Vacant	SMS (Plant Protection)	--	8000-13500	--	--	--	--
4	Subject Matter Specialist	Dr. V. K. Parmar	SMS (Horticulture)	Ph. D. Agri.(Horti.)	8000-13500	9375	4.04.2008	Temporary	SC
5	Subject Matter Specialist	Vacant	SMS (Agronomy)	--	8000-13500	--	--	--	--
6	Subject Matter Specialist	Vacant	SMS (Home Science)	-	8000-13500	--	--	--	--
7	Subject Matter Specialist	Dr. N. B. Patel	SMS (Animal Science)	M. V. Sc. (LPM)	8000-13500	8275	19.1.2009	Temporary	Other
8	Programme Assistant	Vacant	Programme Assistant	--	5500-9000	--	--	--	--
9	Computer	Vacant	Programme	--	5500-	--	--	--	--

	Programmer		Assistant (Computer)		9000				
10	Farm Manager	A. A. Patel	Farm Manager	M. Sc. (Agri.)	5500-9000	4500 fix	14.08.2008	Temporary	OBC
11	Accountant / Superintendent	Vacant	Office Superintendent cum Accountant	--	5500-9000	--	--	--	--
12	Stenographer	J. S. Mahera	Jr. Steno Grade-3	Steno.	4000-6000	3000 fix	22.08.2008	Temporary	OBC
13	Driver	D. G. Patel	Driver cum Mechanic		3050-4590	9340 +2400	1.11.2008	Temporary	ST
14	Driver	S. M. Sayaid	Driver cum Mechanic		3050-4590	2500 fix	23.08.2007	Temporary	Other
15	Supporting staff	D. M. Patel	Supporting staff		2550-3200	1500 fix	22.08.2007	Temporary	OBC
16	Supporting staff	-	Supporting staff		2550-3200	--	--	--	--

1.6. Total land with KVK (in ha) : 21.60

S. No.	Item	Area (ha)
1	Under Buildings	0.5
2.	Under Demonstration Units	1.0
3.	Under Crops	17.5
4.	Orchard/Agro-forestry	-
5.	Others (specify)	2.60
	Total	21.60

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	-	-	-	October 2008	550	Under construction
2.	Farmers Hostel	ICAR	-	-	-	April 2010	320	Under construction
3.	Staff Quarters (6)	ICAR	-	-	-	Jan. 2010	400	Under construction
4.	Demonstration Units (2)	ICAR	-	-	-	-	-	-
5	Fencing	ICAR	-	-	-	-	-	On completion stage
6	Rain Water harvesting system	ICAR	-	-	-	-	-	-
7	Threshing floor	ICAR	-	-	-	-	-	Under progress
8	Farm godown	ICAR	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep (Bolero)	2007	4,78,482	63272	Good
Tractor	2007	4,15,111	725 hr.	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Trailer	26.03.2007	80,000	Working
Cultivator	26.03.2007	15000	Working
Plough	22.10.2008	4300	Working
Electronic balance	20.08.2009	8000	Working
Scale balance	9.03.2009	6000	Working
Rotavator	2.03.2009	63,000	Working
Disc harrow	9.03.2009	57120	Working
Submersible pump	13.03.2009	41105	Working
Plough	18.03.2009	19000	Working
Leveler	18.03.2009	13500	Working
Pump sprayer	21.03.2009	20700	Working
Thresher	21.03.2009	105000	Working
Bund former	26.03.2009	12348	Working
Seed drill	26.03.2009	11500	Working
V ditcher	28.03.2009	20400	Working
Ridger	28.03.2009	15000	Working
Computer with accessories	28.03.2009	36735	Working
Submersible pump	30.03.2009	41075	Working
Honda Portable generator	31.03.2009	38000	Working
Digital camera	6.03.2010	25000	Working
Fax machine	20.3.2010	14900	Working
Digital Copier	29.03.2010	66600	Working
Multi crop thresher	26.03.2010	145000	Working
Castor Thresher	26.03.2010	15500	Working
Bag sewing machine	27.03.2010	5040	Working

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

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	13/3/2010	1 Dr. A.R. Pathak Vice Chancellor, Navsari Agricultural University, Navsari	1 Low cost technology should be popularized among small farmers. 2 Quality seed of main crops should be made available at KVK. 3 Develop the Demonstration units at KVK which is very important for farmers. 4 Training to women on Income generating activities	Suggestions will be implemented accordingly
		2 Dr. R.B. Patel Director of Extension Education, Navsari Agricultural University, Navsari		
		3 Dr. Y.V.Singh Zonal Project Director, Zone-VI, I.C.A.R., CAZRI Campus, Jodhpur, Rajasthan		
		4 Dr. Hanuman Prasad Singh Director of Extension Education, RAU, Bikaner		
		5 Dr. ShashiKumar DFO, Rajpipla (East)		
		6 Shri. K. S. Patel District Agriculture Officer, Narmada		

		District, Rajpipla		
	7	Shri. V. M. Patel Deputy Director of Horticulture , Dept. of Horticulture, Rajpipla		5 Recruitment for filling the vacant posts at the earliest.
	8	Dr. D. M. Dadhaniya Representative of Deputy Director of Animal Husbandry, District Panchayat, Rajpipal		6 Impart more training on Soil and water conservation.
	9	Shri. B.P. Vasava Representative of DFO, Social forestry, Rajpipla		7 Arrange the exposure visit of farmers to demonstration as it is very important for horizontal and vertical spreading of new technology.
	10	Shri. M.S. Purohit Representative of Assistant Director (Fisheries), Rajpipla		
	11	Shri. A. P. Patel Representative of Executive Engineer, Karjan Irri., Karjan Colony, Rajpipla		
	12	Shri. A. G. Manekar Lead Bank Manager, BOB, Bharuch		8 More emphasis should be given to Rainfed horticulture crops.
	13	Shri. M.Subramaniam District Development Manager, NABARD, Bharuch		
	14	Shri J.B. Patel Representative of Assistant Director, GLDC, Kevadia, Dist: Narmada		
	15	Representative Area Manager, AKRSP (I), Netrang, Dist : Bharuch		
	16	Shri. P. I. Patel Associate Research Scientist, Cotton Research Station, Achhalia, Ta: Zagadia Dist: Bharuch		
	17	Shri. Ramabhai J. Vasava Farmer Representative, AT : Nawagam, Ta : Dediapada, Dist : Narmada		
	18	Shri. Champakbhai Vasava Farmer Representative, AT : Kukadada, Ta : Dediapada, Dist : Narmada		
	19	Smt. Chandraben M. Vasava Farm Women Representative, At.Chikda, Ta.Dediapada, Dist. Narmada		
	20	Smt. Manjuben R. Vasava Farm Women Representative, At.Ninghat, Ta.Dediapada, Dist. Narmada		
	21	Dr. N. M. Chauhan Programme Coordinator, Krishi Vigyan Kendra, NAU, Dediapada		
	22	Shri. H.R. Chuadhary ANARDE Foundation, Rajpipla		
	23	Dr. Gaurang Bhatt Assistant Project Manager, J.K., Trust, Rajpipla		
	24	Nahedaben Sheikh Parivartan Radio Programme, At: Netrang, Ta : Valia, Dist : Bharuch		

	25	Smt. Ushaben Vasava Navjivan Mahila Manch AT & Ta: Sagbara, Dist : Narmada		
	26	Shri. Fulsingbhai Vasava AT : Boripitha, Ta : Dediapada Dist : Narmada		
	27	Shri. Satishbhai G. Patel AT : Kankhadi, Ta : Sagbara, Dist : Narmada		
	28	Shri. Sarjitsinh K. Chauhan At & Ta: Dediapada, Dist : Narmada		
	29	Shri. Maheshbhai K. Patel At & Ta: Dediapada Dist : Narmada		
	30	Smt. Emaben L.Vasava At : Sagbara, Dist : Narmada		
	31	Shri. Somabhai Hiriyabhai AT : Pansar, Ta : Dediapada, Dist : Narmada		
	32	Shri. Viththalbhai J. Vasava AT : Vadivav, Ta : Dediapada, Dist : Narmada		
	33	Shri Mansingbhai R. Vasava SSPA Vadodara- Representative		

*** Attach a copy of SAC proceedings along with list of participants**

2. DETAILS OF DISTRICT (2008-09)

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

S. No	Farming system/enterprise
1	Crop production
2	Crop production and Horticulture
3	Crop production and Livestock
4	Crop production, Horticulture and Livestock

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

S. No	Agro-climatic Zone	Characteristics
1	South Gujarat Zone-II, AES-I (Nandod, Dediapada and Sagbara Taluka)	Rainfall: 1000-1250 mm Type of Soil: Undulating, shallow to medium in depth, fine textured, highly erosive. Soil Characteristics: Low fertility land and hilly terrain with dense forest. Soil fertility: Nitrogen-poor, Phosphorus medium, Potash High.
2	Middle Gujarat Zone-III, AES-IX (Tilakwada Taluka)	Rainfall: Above 850 mm Type of Soil: Deep black soil. Soil Characteristics: Deep black soil with high rainfall. Soil fertility: Nitrogen-poor, Phosphorus medium, Potash High.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Undulating, shallow to medium in depth, fine textured, highly erosive	Low fertility land and hilly terrain with dense forest.	80 %
2	Deep black soil- Plain	Deep black soil with high rainfall- plain	20 %

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

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
Cereals				
1	Paddy (drilled)	14300	11800	8.26
2	Paddy (TP)	900	1900	20.33
3	Wheat (Irrigated)	1900	4800	25.03
4	Sorghum (Kharif)	6300	13100	20.71
5	Sorghum (Rabi)	3400	3000	8.61
6	Maize	5600	8100	14.39
Pulses				
1	Pigeon pea	21200	20900	9.81
2	Gram	800	800	10.08
3	Green gram	600	200	4.33
4	Urid	700	400	6.03
Oilseed				
1	Ground nut	2900	5300	18.28
2	Castor	800	1500	19.63
3	Soybean	4,681	69,270	14.80
Other				
1	Sugarcane	4700	32000	685
2	Cotton	40900	90400	3.76
3	Banana	4600	292900	639.00

2.5. Weather data; Not available

Average	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
Annual average	1250	40	9.3	--

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	4226	45,000 Tone/year milk	7.094 lit/day (milk)
<i>Indigenous</i>	136637		2.518 lit/day (milk)
Buffalo	58951		3.462 lit/day (milk)
Sheep	131	-	863 gm/year (wool)
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	-	-	-
Goats	71897	19843 kg meat/year	0.316 kg/year (meat)
Pigs	-	-	-
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	74	-	-
Rabbits	73	-	-
Poultry	-	-	-
Hens	-	-	-

<i>Desi</i>	138509	36,00,000 egg/year	0.2504 no. of egg/day
<i>Improved</i>	3887		0.6643 no. of egg/day
Ducks	913	-	-
Turkey and others	-	-	-

Category	Area	Production	Productivity
Fish	-	-	-
<i>Marine</i>	-	-	-
<i>Inland</i>	18.09	-	200 kg/ha
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

2.6 Details of Operational area / Villages (2009-10)

Sl. No	Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Nandod	Nandod	Khuta amba	Paddy, Pigeon pea, sorghum Gram	-Use of local variety, -Imbalance use of fertilizer, - Low irrigation facility -Low animal productivity	-Varietal replacement -Production technology of major crops, -Water conservation, -Arid horticulture, -Animal feeding and management,
			Wadi	Paddy, Pigeon pea, sorghum Gram, Cotton, wheat, Vegetable	Use of local variety, -Imbalance use of fertilizer, - Low irrigation facility -Low animal productivity -Insect pest problem in cotton - High use of input in cotton and vegetables	--Varietal replacement -Production technology of major crops, -Water conservation, -Arid horticulture, -Animal feeding and management, -Integrated pest management _Integrated Nutrient Management
2	Tilak-wada	Tilak-wada	Jesing-pura	Cotton, Paddy, Pigeon pea, maize Gram, Wheat Sorghum	-Insect pest problem in cotton - High use of input in cotton and vegetables Use of local variety, -Imbalance use of fertilizer, --Low animal productivity	-Integrated pest management _Integrated Nutrient Management Production technology of major crops, -Promotion of vegetable crops, -Animal feeding and management,

			Puchh-pura	Cotton, Paddy, Pigeon pea, maize Gram, Wheat Sorghum	Insect pest problem in cotton - High use of input in cotton and vegetables Use of local variety, -Imbalance use of fertilizer, --Low animal productivity	-Integrated pest management _Integrated Nutrient Management Production technology of major crops, -Promotion of vegetable crops, -Animal feeding and management,
3	Sagbara	Sagbara	Tawal	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	-Use of local variety, -Imbalance use of fertilizer, - Low irrigation facility -Low animal productivity -Insect pest problem in cotton - High use of input in cotton and vegetables	--Varietal replacement -Production technology of major crops, -Water conservation, -Arid horticulture, -Animal feeding and management, -Integrated pest management _Integrated Nutrient Management
			Nana dor amba	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	-Use of local variety, -Imbalance use of fertilizer, - Low irrigation facility -Low animal productivity -Insect pest problem in cotton - High use of input in cotton and vegetables	--Varietal replacement -Production technology of major crops, -Water conservation, -Arid horticulture, -Animal feeding and management, -Integrated pest management _Integrated Nutrient Management
4	Dedia- pada	Dedia- pada	Pansar	Paddy, Pigeon pea, sorghum Gram	-Use of local variety, -Imbalance use of fertilizer, - Low irrigation facility -Low animal productivity	-Varietal replacement -Production technology of major crops, -Water conservation, -Arid horticulture, -Animal feeding and management,

			Zarnawadi	Paddy, Pigeon pea, sorghum Gram, Cotton , Wheat	-Use of local variety, -Imbalance use of fertilizer, - Low irrigation facility -Low animal productivity -Insect pest problem in cotton - High use of input in cotton and vegetables	Varietal replacement -Production technology of major crops, -Water conservation, -Arid horticulture, -Animal feeding and management, -Integrated pest management _Integrated Nutrient Management
			Kukadada	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	-Use of local variety, -Imbalance use of fertilizer, - Low irrigation facility -Low animal productivity -Insect pest problem in cotton - High use of input in cotton and vegetables	--Varietal replacement -Production technology of major crops, -Water conservation, -Arid horticulture, -Animal feeding and management, -Integrated pest management _Integrated Nutrient Management
			Vadivav	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	-Use of local variety, -Imbalance use of fertilizer, - Low irrigation facility -Low animal productivity -Insect pest problem in cotton - High use of input in cotton and vegetables	--Varietal replacement -Production technology of major crops, -Water conservation, -Arid horticulture, -Animal feeding and management, -Integrated pest management _Integrated Nutrient Management

2.7 Priority/thrust areas

Crop/Enterprise	Thrust area
Paddy	Variety replacement, Seed treatment, use of bio-fertilizer
Cotton	Integrated Pest Management, Integrated Nutrient Management
Pigeon pea	Variety replacement, Integrated Insect pests and Disease management, Land configuration, Inter cropping
Sorghum	Variety replacement, production technology
Green gram	Variety replacement
Black gram	Variety replacement
Banana	Integrated Nutrient Management
Sugarcane	Integrated Nutrient Management, Integrated Disease management
Maize	Variety replacement, production technology

3. TECHNICAL ACHIEVEMENTS

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

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
2	2	15	15	267	222	267	222

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	64	56	1600	1528	176	201	5400	8038
Rural youth	4	0	100	0				
Extn. Functionaries	4	1	100	30				

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Crop-Target	Achievement	Target	Achievement
Cereals -Nil	21.55	--	--
Oilseed -NIL	13.28	--	--
Pulses-Nil	17.47	--	--
Total	52.30	--	--

3.B. Abstract of interventions undertaken

S. No	Thrust area	Crop/Enterprise	Identified Problem	Interventions					Supply of seeds, planting materials etc.
				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	
1	Increasing the production of major crops (Paddy, Pigeon pea, Wheat, Gram, Pulses and Cotton).	Paddy,	Use of local variety, Imbalance use of fertilizer	-	Replacement of variety by introducing GR-5	1.Cultivation practices of drilled paddy 2.SRI system of rice intensification 3. pests of paddy and its management 4. Weed management in kharif crops 5. Cultivation practices of Kharif crops	--	1.Field day 2.Field visits 3.Diagnostic visit 4.Kisan gosthi 5.Crop symposium-Kharif and Rabi 6. Exhibition 7. Literature publication and distribution	Seeds
		Pigeon pea	Use of local variety, Imbalance use of fertilizer, Wilt problem	-	Replacement of variety by introducing Vaishali variety, Management of wilt through Trichoderma, Integrated management of <i>Helicoverpa</i>	1. Pest and diseases of pigeon pea and IPM.	--	1. Khedut sibir 2.Field visits 3.Diagnostic visit 4.Kisan gosthi 5.Crop symposium-Kharif and Rabi 6. Exhibition 7. Literature publication and distribution	seeds, Trichoderma, NPV
		Wheat	Use of local variety, Imbalance use of fertilizer	-	Replacement of variety by introducing GW-366		--	1. Khedut sibir 2.Field visits 3.Diagnostic visit 4.Kisan gosthi 5.Crop symposium-Kharif and Rabi 6. Exhibition 7. Literature publication and distribution	Seed

		Gram	Use of local variety, Imbalance use of fertilizer	-	Replacement of variety by introducing GG-2	1. Scientific cultivation of gram	--	1.Field day 2.Field visits 3.Diagnostic visit 4.Kisan gosthi 5.Crop symposium-Kharif and Rabi 6. Exhibition 7. Literature publication and distribution 8. Khedut sibir	Seeds
		Other Pulses	Use of local variety, Imbalance use of fertilizer	-	--	1.Weed management in pulses 2. Use of bio-fertilizer in oilseed and pulses	--	1. Khedut sibir 2.Field visits 3.Kisan gosthi 4.Crop symposium-Kharif and Rabi 5. Exhibition 6. Literature publication and distribution	
		Cotton	High input (pesticides and fertilizer)use	-	IPM	1.Efficient use of fertilizer 2. Scientific cultivation of cotton 3.IPM in cotton	--	1. Khedut sibir 2.Field visits 3.Diagnostic visit 4.Kisan gosthi 5.Crop symposium-Kharif and Rabi 6. Exhibition 7. Literature publication and distribution	Pesticides, Pheromone traps
2	Arid horticultural in Rainfed area.	--	No fruit trees in farm/backyard	--	--	1. Care and Management of mango orchard 2. Kltchen gardening	--	1.Khedut sibir	Seedlings of Alma and custard apples were provided in each of the adopted village. (200 plants in each villages -Six villages)

3	Fruit and vegetables in irrigated area	Brinjal Chilli Tomato	High input use Narrow spacing in Chilli Insect pest and Disease problems	Refinement of crop spacing in Chilli	Integrated Nutrient Management in Brinjal, Chilli and Tomato	1. Nursery raising in <i>Rabi</i> vegetables) 2. Scientific cultivation of tomato 3. Pests of vegetable and its management 4. IPM in vegetable crops 5. Scientific cultivation of brinjal and Chilli 6. Nursery raising in Low cost green house 6. pests of brinjal 7. Low cost green house	--	1. Khedut sibir 2. Field visits 3. Diagnostic visit 4. Kisan gosthi 5. Crop symposium- Kharif and Rabi 6. Exhibition 7. Literature publication and distribution 8. Demonstration unit on kitchen gardening	Seeds, Fertilizer
4	Creating awareness about Conservation of soil and water resources.	--	--	--	--	1. Drip irrigation in vegetable crops.	--	1. Exhibition 2. Literature publication and distribution	--
5	Income generation by imparting skill training.	--	--	--	--	--	--	--	--
6	Women empowerment.	--	--	--	--	1. Value addition in fruit crops	--	1. Mahila Gosthi 2. Mahila Shibir on Group formation and income generating activities 2. Demonstrations on preservation of fruit and vegetable	--

7	Improved livestock management practices.	Animal Husbandry	-Poor housing - poor feeding - No use of mineral mixture and concentrate - Large population of non-descript breeds -Low milk productivity	Effect of supplementing mineral mixture and concentrate on Body growth performance in calves	Supplementation of mineral mixture	1. Importance of mineral mixture in animal feed. 2.Urea treatment to paddy straw 3. Care and management of new borne calf 4. Care of milking animal 5. Importance of vaccination in dairy animal	Storage and preservation of semen for AI	1.Animal health camp 2.Khedut Shibir 3. Literature publication and distribution 4.Kisan gosthi 5.Diagnostic visit	Mineral mixture and Concentrate
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B. Details of each On Farm Trial to be furnished in the following format

A. Technology Assessment

Trial 1

1. Title : Refinement of crop spacing in Chilli
2. Problem diagnose/defined : The sowing distance of this crop adopted by farmer is so closer resulted in poor crop growth and yield.
3. Details of technologies selected for assessment /refinement : T1 : 30 x30 cm (farmer's practices)
T2 : 60 x60 cm (Recommended spacing)
T3 : 45 x30 cm (refinement)
4. Source of technology : GAU, Navsari
5. Production system/
thematic area : Rainfed / Sowing distance
6. Thematic area : Sowing distance
7. Performance of the
Technology with
performance indicators : On going
8. Final recommendation for
micro level situation : On going
9. Constraints identified and
feedback for research : ---
10. Process of farmers
participation and
their reaction : Farmers participation in planning, execution and monitoring.

11). Results of On Farm Trials

Crop/enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Chilli	Rainfed	The sowing distance is very closer	Refinement of crop spacing in Chilli	5	T1 : 30 x30 cm (farmer's practices)	1. Plant Height cm at harvest	84.6	The treatment no. three gave higher fruit yield of chilli during first year	Treatment no three is good.
						2. No. fruit/plant	134.6		
						3.Length of fruit cm	8.21		
						4.Yield Q/ha	114.6		
					T2 : 60 x60 cm (Recommended spacing)	1. Plant Height cm at harvest	88.8		
						2. No. fruit/plant	142.6		
						3.Length of fruit cm	8.77		
						4.Yield Q/ha	124.0		
					T3 : 45 x30 cm (refinement)	1. Plant Height cm at harvest	86.2		
						2. No. fruit/plant	138.2		
						3.Length of fruit cm	8.50		
						4.Yield Q/ha	129.4		

Technology Assessed	*Production per unit (kg/ha)	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
T1 : 30 x30 cm (farmer's practices)	11460	89600	1:3.58
T2 : 60 x60 cm (Recommended spacing)	12400	99000	1:3.96
T3 : 45 x30 cm (refinement)	12940	104400	1:4.76

**Field crops – kg/ha, * for horticultural crops -= kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermi compost kg/unit area.*

Trial 2

- 1) Title : Effect of supplementing mineral mixture and concentrate on Body growth performance in calves
- 2) Problem diagnose/defined: Poor body growth performance in calves
- 3) Details of technologies selected for assessment /refinement :
 - T1: Traditional Practice
 - T2: Feeding of 15 gm mineral mixture + Deworming
 - T3: T2 + Concentrate feeding @ 1% of body wt.
- 4) Source of technology : Nutrition department, AAU, Anand.
- 5) Production system thematic area : Nutrition Management
- 6) Thematic area : Nutrition Management
- 7) Performance of the Technology with performance indicators : On going
- 8) Final recommendation for micro level situation : On going
- 9) Constraints identified and feedback for research : -
- 10) Process of farmers participation and their reaction : Farmers participation in planning, execution and monitoring.

11). Results of On Farm Trials

Crop/enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Live stock	Rain fed	Poor body growth performance in calves	Effect of supplementing mineral mixture and concentrate on Body growth performance in calves	12	T1: Traditional Practice	Body wt at birth, 1st, 3rd, 6th and 12th month of age	Body wt at 1st : 25.5 kg 3rd : 34.3 kg	<i>Study continue</i>	
					T2: Feeding of 15 gm mineral mixture + Deworming		Body wt at 1st : 28.5 kg, 3rd : 40.3 kg		
					T3: T2 + Concentrate feeding @ 1% of body wt		Body wt at 1st : 30.5 kg, 3rd : 45.4 kg		

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
T1: Traditional Practice	<i>Study continue</i>		
T2: Feeding of 15 gm mineral mixture + Deworming			
T3: T2 + Concentrate feeding @ 1% of body wt			

* ***Study continued as this is a long term experiment.***

B. Technology Refinement

-- Nil --

3.2 Achievements of Frontline Demonstrations

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2009-10 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Paddy	Varietal Evaluation	Drilled Variety GR-5	Demonstration Seed supply	25	250	100
2	Pigeon pea	Varietal Evaluation	New variety Vaishali	Demonstration Field day	100	850	350

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

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	
A	Oil seed : Nil									
B	Pulses									
1	Gram	Varietal Evaluation	Variety	Rabi 2009-10	10	10	43	--	43	--
C	Other									
1	Paddy	Varietal Evaluation	New variety	Kharif'09	10	10	30	--	30	--
2	Wheat	Varietal Evaluation	New variety	Rabi 2009-10	10	10	46	--	46	--
3	Brinjal	Integrated Nutrient Management	INM	Kharif'09	2.0	2.0	16	--	16	--
4	Chilli	Integrated Nutrient Management	INM	Kharif'09	2.0	2.0	20	--	20	--
5	Tomato		INM	Rabi 2009-10	2.0	2.0	5	--	5	--
D	Use of bio-agent									
1	Cotton (IPM)	Integrated Pest Management	IPM	Kharif'09	5.0	5.00	7	6	13	--
2	pigeon pea (Trichoderma)	Integrated Disease Management	Use of bio-agent (Trichoderma)	Kharif'09	2.0	2	5	--	5	--
3	pigeon pea (NPV)	Integrated Pest Management	NPV	Kharif'09	--	5	12		12	--
4	Gram (Trichoderma)	Integrated Disease Management	Use of bio-agent (Trichoderma)	Rabi 2009-10	5.0	5	12		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					
Oil seed : Nil											
Pulses											
Gram	Rabi 2009-10	Rainfed / Irrigated		--	--	--	Paddy	12.11.2009 to 15.12.2009	20.2.2010 to 15.03.2010	1260	52
Other											
Paddy	Kharif'09	Rainfed		--	--	--	Gram	05.07.2009 to 25.07.2009	7.11.2009 to 30.11.2009	1260	52
Wheat	Rabi 2009-10	Irrigated		--	--	--	Paddy	7.11.2009 to 05.12.2009	10.3.2010 to 15.04.2010	1260	52
Brinjal	Kharif'09	Irrigated		--	--	--	Groundnut /sorghum	12.07.2009 to 18.08.2009	6.01.2010 to 18.02.2010	1260	52
Chilli	Kharif'09	Irrigated		--	--	--	Groundnut/paddy/tomato	29.06.2009 to 18.07.2010	20.12.2009 to 9.01.2010	1260	52
Tomato	Rabi 2009-10	Irrigated		--	--	--	Paddy	5.9.2009 to 7.09.2009	20.2.2010 to 24.02.2010	1260	52
Use of bio-agent											
Cotton (IPM)	Kharif'09	Rainfed / Irrigated		--	--	--	Cotton	30.06.09 to 15.7,2010	8.03.2010 to 22.03.2010	1260	52
pigeon pea (Trichoderma)	Kharif'09	Rainfed		--	--	--	Pigeon pea	2.07.09 to 27.7,2010	6.02.2010 to 20.02.2010	1260	52
pigeon pea (NPV)	Kharif'09	Rainfed		--	--	--	Pigeon pea	2.07.09 to 27.7,2010	6.02.2010 to 20.02.2010	1260	52
Gram (Trichoderma)	Rabi 2009-10	Rainfed / Irrigated		--	--	--	Paddy	12.11.2009 to 15.12.2009	20.2.2010 to 15.03.2010	1260	52

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	
						H	L	A			Demo	Local
1	2	3	4	5	6	7	8	9	10	11	12	13
A	Oil seed : Nil											
B	Pulses											
1	Gram	Variety	GG-2	43	10	18.10	15.50	16.83	14.46	16.4	24-30 pods/plant 45-52 g test weight	35-40 pods/plant 15-18 g test weight
C	Other											
1	Paddy	New variety	GR-5	30	10	27	20	23.6	19.4	21.6	Panicle length: 28-37 cm No. of grain /panicle: 120-140	Panicle length: 22-30 cm No. of grain /panicle: 105-114
2	Wheat	New variety	GW-322	46	10	44.50	34	40.67	34.50	17.88	Ear length : 8-11 cm Grain/ear : 32-40	Ear length : 7-9 cm Grain/ear : 26-32
3	Brinjal	Variety	--	16	2.0	242	225	231.4	209.2	10.61	No. fruit/plant : 14-18	No. fruit/plant : 10-14
4	Chilli	Variety	--	20	2.0	93	80	84.6	71.3	18.7	No. fruit/plant : 140-162	No. fruit/plant : 130-141
5	Tomato	INM	--	5	2	301	295	297.4	249	19.4	No. fruit/plant : 24-28	No. fruit/plant : 18-23
D	Use of bio-agent											
1	Cotton (IPM)	IPM	--	13	5	20.75	15.75	18.13	14.73	23.08	Jassids/3 leaf: 2-3	Jassids / 3 leaf: 5-13
2	pigeon pea (Trichoderma)	Use of bio-agent (Trichoderma)	--	5	2	17.00	13.00	14.75	12.66	16.51	No. of wilted plants : < 1%	No. of wilted plants : < 10-12%
3	pigeon pea (NPV)	NPV	--	12	5	17.25	13.75	15.18	12.28	23.62	Helicoverpa larva/20plant: 3-5-	Helicoverpa larva/20plant: 8-14-
4	Gram (Trichoderma)	Use of bio-agent (Trichoderma)	-	12	5	12.75	10.25	11.40	9.40	21.28	Diseased plant : < 2%	Diseased plant : < 10-15%

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	
Gram	8800	8000	53856	46272	45056	38272	1: 6.12	1:5.78
Paddy	5200	4500	23600	19400	18400	14900	1:4.54	1:4.31
Wheat	10500	10000	48804	41400	38304	31400	1:3.65	1:3.14
Brinjal	35000	37000	115700	104600	80700	67600	1: 3.30	1:2.83
Chilli	25000	26000	84600	71300	59600	45300	1:3.38	1:2.74
Tomato	28000	29000	118960	99600	90960	70600	1: 4.25	1: 3.43
Cotton	18000	22000	54390	44190	36390	22190	1:3.02	1:2.01
Pigeon pea	11000	11000	59000	50640	48000	46900	1:5.36	1: 4.60
Pigeon pea	11000	12000	60720	49120	49720	37120	1:5.52	1:4.09
Gram	8000	8000	36480	30080	28480	22080	1:4.56	1:3.76

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
Oil seed : Nil						
Pulses						
Gram	Rabi 2009-10	1. Seed/Variety	Rainfed / Irrigated	16.83	14.46	16.4
Other						
Paddy	Kharif'09	1. Seed/Variety	Rainfed	23.6	19.4	21.6
Wheat	Rabi 2009-10	5. Combination of components (Variety and Fertilizer)	Irrigated	40.67	34.50	17.88
Brinjal	Kharif'09	3. Fertilizer management	Irrigated	231.4	209.2	10.61
Chilli	Kharif'09	3. Fertilizer management	Irrigated	84.6	71.3	18.7
Tomato	Rabi 2009-10		Irrigated	297.4	249	19.4
Use of bio-agent						
Cotton (IPM)	Kharif'09	4. Plant Protection	Rainfed / Irrigated	18.13	14.73	23.08
pigeon pea (Trichoderma)	Kharif'09	4. Plant Protection	Rainfed	14.75	12.66	16.51
pigeon pea (NPV)	Kharif'09	4. Plant Protection	Rainfed	15.18	12.28	23.62
Gram (Trichoderma)	Rabi 2009-10	4. Plant Protection	Rainfed / Irrigated	11.40	9.40	21.28

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1 Paddy	Requirement of fine grain variety
2. Wheat	Development of variety for less number of chilling days

Farmers' reactions on specific technologies

S. No	Crop	Variety	Feed Back
1	Gram	GG-2	- High yielding variety - Bold seeded
2	Paddy (GR-5)	GR-5	- Good performance in water logging condition - Good grain quality
3	Wheat	GW322	- Good tillering - Long ear - High yielding variety - Resistance against Rust
4	Chilli	--	-INM decrease the use of fertilizers -Improve soil condition - Better fruit quality
5	Brinjal	--	-INM decrease the use of fertilizers -Improve soil condition - Better fruit quality
6	Tomato	--	-INM decrease the use of fertilizers -Improve soil condition - Better fruit quality

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	2	14.09.2009 30.01.2010	12 12	
2	Farmers Training	5	6.05.2009 26.05.2009 10.09.2009 11.11.2009 16.11.2009	23 28 18 16 24	
3	Media coverage	2	--	--	--
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		

* Field efficiency, labour saving etc.

machinery and implements										
WTO and IPR issues	--	--	--	--	--	--	--	--	--	--
Management in farm animals	1	0	0	0	30	0	30	30	0	30
Livestock feed and fodder production	--	--	--	--	--	--	--	--	--	--
Household food security	--	--	--	--	--	--	--	--	--	--
Women and Child care	--	--	--	--	--	--	--	--	--	--
Low cost and nutrient efficient diet designing	--	--	--	--	--	--	--	--	--	--
Production and use of organic inputs	--	--	--	--	--	--	--	--	--	--
Gender mainstreaming through SHGs	--	--	--	--	--	--	--	--	--	--
TOTAL	1	0	0	0	30	0	30	30	0	30

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	2	0	0	0	66	0	66	66	0	66
Mobilization of social capital	--	--	--	--	--	--	--	--	--	--
Entrepreneurial development of farmers/youths	--	--	--	--	--	--	--	--	--	--
WTO and IPR issues	--	--	--	--	--	--	--	--	--	--
XI Agro-forestry										
Production technologies	--	--	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--	--	--
Integrated Farming Systems	--	--	--	--	--	--	--	--	--	--
TOTAL	43	29	26	55	774	300	1074	803	326	1129

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	2	0	0	0	66	0	66	66	0	66
Mobilization of social capital	--	--	--	--	--	--	--	--	--	--
Entrepreneurial development of farmers/youths	--	--	--	--	--	--	--	--	--	--
WTO and IPR issues	--	--	--	--	--	--	--	--	--	--
XI Agro-forestry										
Production technologies	--	--	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--	--	--
Integrated Farming Systems	--	--	--	--	--	--	--	--	--	--
TOTAL	56	29	26	55	1084	389	1473	1113	415	1528

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	1	0	0	0	30	0	30	30	0	30
Livestock feed and fodder production	--	--	--	--	--	--	--	--	--	--
Household food security	--	--	--	--	--	--	--	--	--	--
Women and Child care	--	--	--	--	--	--	--	--	--	--
Low cost and nutrient efficient diet designing	--	--	--	--	--	--	--	--	--	--
Production and use of organic inputs	--	--	--	--	--	--	--	--	--	--
Gender mainstreaming through SHGs	--	--	--	--	--	--	--	--	--	--
TOTAL	1	0	0	0	30	0	30	30	0	30

Note: Please furnish the details of above training programmes as Annexure in the proforma given below

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
6/5/09	Farmers	Cultivation Practices and Production techniques in drilled Paddy	Crop production	Integrated crop management	1	Off Campus	0	0	0	23	0	23	23	0	23
6/5/09	Farmers	Importance of Fruit crops	Horticulture	Cultivation of fruit	1	Off Campus	0	0	0	15	3	18	15	3	18
6/5/09	Farmers	IPM of Cotton Pest	Plant protection	Integrated pest management	1	Off Campus	0	0	0	20	0	20	20	0	20
26/5/09	Farmers	IPM of Cotton pest	Plant protection	Integrated pest management	1	Off Campus	27	0	27	1	0	1	28	0	28
26/5/09	Farm women	Deworming and vaccination in milch animal	Animal husbandry	Disease management	1	Off Campus	0	25	25	0	1	1	0	26	26
4/6/09	Farmers	SRI (system of Rice Intensification)	Crop production	Resource conservation technology	1	On Campus	0	0	0	24	0	24	24	0	24
9/6/09	Farmers	Weed management in Kharif crops	Crop production	Weed management	1	Off Campus	0	0	0	35	0	35	35	0	35
9/6/09	Farmers	Nursery raising in vegetable crops	Horticulture	Nursery raising	1	Off Campus	0	0	0	21	0	21	21	0	21
9/6/09	Farmers	Deworming and vaccination in milch animal	Animal husbandry	Disease management	1	Off Campus	0	0	0	15	7	22	15	7	22
10/6/09	Farm women	Deworming and vaccination in milch animal	Animal husbandry	Disease management	1	Off Campus	0	0	0	0	19	19	0	19	19
10/6/09	Farmers	Scientific cultivation of Cotton	Crop production	Integrated crop management	1	Off Campus	0	0	0	19	2	21	19	2	21
10/6/09	Farmers	Nursery raising in vegetable crops	Horticulture	Nursery raising	1	Off Campus	1	0	1	15	0	15	16	0	16
1/7/09	Farmers	Pest of Paddy and its management	Plant protection	Integrated pest management	1	Off Campus	0	0	0	20	2	22	20	2	22
1/7/09	Farmers	SRI (system of Rice Intensification)	Crop production	Resource conservation technology	1	On Campus	0	0	0	40	0	40	40	0	40
1/7/09	Farmers	Nursery raising in vegetable crops	Horticulture	Nursery raising	1	Off Campus	0	0	0	12	8	20	12	8	20
2/7/09	Farm women	Kitchen garden	Horticulture	Other	1	On Campus	0	0	0	0	34	34	0	34	34

2/7/09	Farmers	Pest & discuss of Paddy and its control measures	Plant protection	Integrated pest management	1	On Campus	0	0	0	34	0	34	34	0	34
3/7/09	Farmers	IPM of Cotton pest	Plant protection	Integrated pest management	1	On Campus	0	0	0	26	0	26	26	0	26
14/7/09	Farm women	Criteria for selection of high milk animal	Animal husbandry	Dairy management	1	Off Campus	0	0	0	0	52	52	0	52	52
1/9/09	Farmers and Farm women	Care & Management of newly born calf	Animal husbandry	Dairy management	1	On Campus	0	0	0	10	17	27	10	17	27
2/9/09	Farmers	Nursery Management	Horticulture	Nursery raising	1	On Campus	0	0	0	28	4	32	28	4	32
10/9/09	Farmers	Cultivation practices of chilly & Brinjal	Horticulture	Other	1	Off Campus	1	1	2	16	0	16	17	1	18
10/9/09	Farmers	IPM in cotton	Plant protection	Integrated pest management	1	Off Campus	0	0	0	22	0	22	22	0	22
14/9/09		Care and management of new born calf	Animal husbandry	Dairy management	1	Off Campus	0	0	0	26	0	26	26	0	26
13/10/09	Farmers	Nursery raising of rabi vegetable crops	Horticulture	Nursery raising	1	On Campus	0	0	0	31	0	31	31	0	31
14/10/09	Farmers	Scientific management of new born calf	Animal husbandry	Dairy management	1	Off Campus	0	0	0	24	11	35	24	11	35
26/10/09	In-service Personnel (AI workers)	Storage and preservation of semen for AI	Animal husbandry	Management in farm animals	1	On Campus	0	0	0	30	0	30	30	0	30
4/11/09	Farmers	Urea treatment to paddy straw	Animal husbandry	Feed management	1	Off Campus	0	0	0	25	0	25	25	0	25
4/11/09	Farmers	Use of bio-fertilizers in oilseeds and pulses	Crop production	Resource conservation technology	1	Off Campus	0	0	0	21	4	25	21	4	25
4/11/09	Farmers	Nursery raising of rabi vegetable	Horticulture	Nursery raising	1	Off Campus	0	0	0	19	2	21	19	2	21
5/11/09	Farmers	Efficient use of fertilizer	Crop production	Integrated crop management	1	On Campus	0	0	0	44	0	44	44	0	44
7/11/09	Farm women	Criteria for selection of high yield milch animal	Animal husbandry	Dairy management	1	Off Campus	0	0	0	11	15	26	11	15	26
7/11/09	Farmers	Importance of group formation	Extension Education	Formation and management of SHGs	1	Off Campus	0	0	0	24	0	24	24	0	24
11/11/09	Farmers	Scientific cultivation of tomato	Horticulture	Other	1	Off Campus	0	0	0	16	0	16	16	0	16
16/11/09	Farmers	Scientific cultivation of Gram	Crop production	Integrated crop management	1	Off Campus	0	0	0	24	0	24	24	0	24

(E) Sponsored Training Programmes

Sl.No	Date	Title	Discipline	Thematic area	Duration (days)	Client (PF/RV/EF)	No. of courses	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
								Others			SC/ST			Total				
								Male	Female	Total	Male	Female	Total	Male	Female	Total		
1.	3.07.2009	Kitchen gardening	Horticulture	Other	One	PF	One	--	--	--	0	30	30	0	30	30	NGO:AKRSP (I), Dediapada	Expenditure borne by sponsoring agency
2.	3.07.2009	Improve the quality of fodder by urea treatment	Animal husbandry	Dairy management	One	PF	One	--	--	--	0	15	15	0	15	15	NGO:AKRSP (I), Dediapada	Expenditure borne by sponsoring agency
3	23.07.2009	SRI method of rice cultivation	Crop production	Resourse conservation technology	One	PF	One	--	--	--	25	10	35	25	10	35	NGO: Missionaries	Expenditure borne by sponsoring agency
4.	29.07.2009	Cultivation practices of kharif crops	Crop production	Integrated crop management	One	PF	One	--	--	--	43	0	43	43	0	43	NGO: Missionaries	Expenditure borne by sponsoring agency
5.	30.07.2009	Cultivation practices of Kharif paddy	Crop production	Integrated crop management	One	PF	One	--	--	--	15	7	22	15	7	22	NGO: Missionaries	Expenditure borne by sponsoring agency
6.	11.08.2009	Cultivation practices of kharif crop and IPM	Crop production	Integrated crop management	One	PF	One	--	--	--	24	7	31	24	7	31	NGO: Missionaries	Expenditure borne by sponsoring agency
7.	13.08.2009	Low cost green house	Horticulture	Protective cultivation	One	PF	One	--	--	--	16	6	22	16	6	22	NGO: Missionaries	Expenditure borne by sponsoring agency
8.	14.10.2009	Low cost green house	Horticulture	Protective cultivation	One	PF	One	--	--	--	26	0	26	26	0	26	NGO: Missionaries	Expenditure borne by sponsoring agency
9.	8.01.2010	Scientific cultivation of vegetables	Horticulture	Others	One	PF	One	--	--	--	25	6	31	25	6	31	NGO: Missionaries	Expenditure borne by sponsoring agency
Total	--	--	--	--	--	--	--	--	--	--	174	81	255	174	81	255	--	--

3.4. Extension Activities (including activities of FLD programmes)

Sl. No.	Nature of Extension Activity	Purpose/ topic and Date	No. of activities	Participants											
				Farmers (Others) (I)			SC/ST (Farmers) (II)			Extension Officials (III)			Grand Total (I+II+III)		
				Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1.	Field Day	Paddy 14.09.2009	1	0	0	0	12	0	12	--	--	--	12	0	12
	Field Day	Gram 30.01.2010	1	0	0	0	12	0	12	--	--	--	12	0	12
		Total	2	0	0	0	24	0	24	--	--	--	24	0	24
2.	Kisan Mela	24.02.2010	1	75	50	125	900	1050	1950	15	--	15	990	1100	2090
3.	Kisan gosthi	6/5/2009	1	0	0	0	14	0	14	0	0	0	14	0	14
		9/6/2009	1	0	0	0	18	8	26	0	0	0	18	8	26
		10/6/2009	1	0	0	0	25	0	25	0	0	0	25	0	25
		11/6/2009	1	0	0	0	17	0	17	0	0	0	17	0	17
		17/6/09	1	0	0	0	15	0	15	0	0	0	15	0	15
		19/6/09	1	0	0	0	17	0	17	0	0	0	17	0	17
		20/6/09	1	0	0	0	19	0	19	0	0	0	19	0	19
		1/10/2009	1	0	0	0	20	0	20	0	0	0	20	0	20
		1/10/2009	1	0	0	0	12	0	12	0	0	0	12	0	12
		1/10/2009	1	0	0	0	20	0	20	0	0	0	20	0	20
		2/10/2009	1	0	0	0	10	0	10	0	0	0	10	0	10
		2/10/2009	1	0	0	0	12	0	12	0	0	0	12	0	12
		2/10/2009	1	0	0	0	14	0	14	0	0	0	14	0	14
		27/10/09	1	0	0	0	10	0	10	0	0	0	10	0	10
		27/10/09	1	0	0	0	9	0	9	0	0	0	9	0	9
		11/11/2009	1	0	0	0	13	0	13	0	0	0	13	0	13
		11/11/2009	1	0	0	0	12	0	12	0	0	0	12	0	12
		18/11/09	1	0	0	0	23	0	23	0	0	0	23	0	23
		30/1/10	1	0	0	0	19	0	19	0	0	0	19	0	19
		30/1/10	1	0	0	0	18	0	18	0	0	0	18	0	18
		30/1/10	1	0	0	0	20	3	23	0	0	0	20	3	23
	2/2/2010	1	0	0	0	12	0	12	0	0	0	12	0	12	
	5/2/2010	1	0	0	0	13	0	13	0	0	0	13	0	13	
	9/2/2010	1	0	0	0	12	0	12	0	0	0	12	0	12	
	Total	24	0	0	0	374	11	385	0	0	0	374	11	385	
4.	Exhibition	20-21/5/09	1	92	25	117	129	80	209	5	0	5	226	105	331
		22-23/5/09	1	21	10	31	84	40	124	5	0	5	110	50	160
		28-29/5/09	1	25	8	33	176	110	286	7	0	7	208	118	326
		30-31/5/09	1	0	0	0	70	167	237	8	0	8	78	167	245
		25/11/09	1	0	0	0	55	25	80	5	0	5	60	25	85
		26/11/09	1	0	0	0	120	30	150	6	0	6	126	30	156
		Total	6	138	43	181	634	452	1086	36	0	36	808	495	1303
5.	Film Show	9.12.2009	1	0	0	0	0	20	20	0	0	0	0	20	20
6.	Method Demonstrations	3/12/2009	1	0	0	0	2	10	12	0	0	0	2	10	12
		4/12/2009	1	0	0	0	10	2	12	0	0	0	10	2	12
		5/12/2009	1	0	0	0	15	0	15	0	0	0	15	0	15
		13/1/09	1	0	0	0	10	5	15	0	0	0	10	5	15
		8/2/2010	1	0	0	0	6	14	20	0	0	0	6	14	20
	Total	5	0	0	0	43	31	74	0	0	0	43	31	74	
7.	Farmers Seminar (Shibir)	6/1/2010	1	0	0	0	85	45	130	0	0	0	85	45	130

	(Participation)														
		12/1/2010	1	0	0	0	72	35	107	0	0	0	72	35	107
		20/1/10	1	0	0	0	60	150	210	0	0	0	60	150	210
		Total	3	0	0	0	217	230	447	0	0	0	217	230	447
8.	Workshop	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9.	Group meetings	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10.	Lectures delivered as resource persons	28/5/09	1	0	0	0	310	90	400	0	0	0	310	90	400
		29/5/09	1	0	0	0	120	80	200	0	0	0	120	80	200
		30/5/09	1	0	0	0	200	300	500	0	0	0	200	300	500
		31/5/09	1	0	0	0	70	40	110	0	0	0	70	40	110
		19/7/09	1	0	0	0	100	0	100	0	0	0	100	0	100
		10/9/2009	1	0	0	0	0	18	18	0	0	0	0	18	18
		17/9/09	1	0	0	0	19	0	19	0	0	0	19	0	19
		27/10/09	1	0	0	0	15	0	15	0	0	0	15	0	15
		7/11/2009	1	0	0	0	0	25	25	0	0	0	0	25	25
		24/11/09	1	0	0	0	0	25	25	0	0	0	0	25	25
		2/12/2009	1	0	0	0	120	30	150	0	0	0	120	30	150
		2/12/2009	1	0	0	0	30	18	48	0	0	0	30	18	48
		31/12/09	1	110	15	125	80	45	125	0	0	0	190	60	250
		21/1/10	1	0	0	0	30	0	30	0	0	0	30	0	30
		21/1/10	1	0	0	0	30	0	30	0	0	0	30	0	30
		3/2/2010	1	0	0	0	75	25	100	0	0	0	75	25	100
		3/2/2010	1	0	0	0	75	25	100	0	0	0	75	25	100
		5/2/2010	1	0	0	0	60	150	210	0	0	0	60	150	210
		26/2/2010	1	0	0	0	40	35	75	0	0	0	40	35	75
	10/3/2010	1	0	0	0	45	35	80	0	0	0	45	35	80	
	Total	20	110	15	125	1419	941	2360	0	0	0	1529	956	2485	
11.	Newspaper coverage	5	5	Mass media											
12.	Radio talks	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13.	TV talks	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14.	Popular articles	2	2	Mass media											
15.	Extension Literature	39	39	Mass media											
16.	Advisory Services (Telephonic)		14	0	0	0	14	0	14	0	0	0	14	0	14
17.	Scientific visit to farmers field	39	39	0	0	0	118	21	139	0	0	0	118	21	139
18.	Farmers visit to KVK	--	23	0	0	0	252	51	303	0	0	0	252	51	303
19.	Diagnostic visits	1.07.2009	1	0	0	0	1	0	1	0	0	0	1	0	1
		17.12.2009	1	0	0	0	1	0	1	0	0	0	1	0	1
	Total	2	0	0	0	2	0	2	0	0	0	0	2	0	2

20.	Exposure visits	2.06.2009	1	0	0	0	7	0	7	0	0	0	7	0	7
		--	1	0	0	0	21	0	21	0	0	0	21	0	21
		Total	2	0	0	0	28	0	28	0	0	0	28	0	28
21.	Ex-trainees Sammelan	--	--	--	--	--	--	--	--	--	--	--	--	--	--
22.	Soil health Camp	--	--	--	--	--	--	--	--	--	--	--	--	--	--
23.	Animal Health Camp Participation	21/11/09	1	0	0	0	100	30	130	0	0	0	100	30	130
		22/12/09	1	0	0	0	100	30	130	0	0	0	100	30	130
		10/3/2010	1	0	0	0	35	14	49	0	0	0	35	14	49
		Total	3	0	0	235	74	309	0	0	0	235	74	309	
24.	Agri mobile clinic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
25.	Soil test campaigns	--	--	--	--	--	--	--	--	--	--	--	--	--	--
26.	Farm Science Club Conveners meet (formation)	--	1	0	0	0	11	0	11	0	0	0	11	0	11
27.	Self Help Group Conveners meetings	--	--	--	--	--	--	--	--	--	--	--	--	--	--
28.	Mahila Mandals Conveners meetings	--	--	--	--	--	--	--	--	--	--	--	--	--	--
29.	Celebration of important days (Technology week)	23-27. 11.2009	1 (5 days)	0	0	0	315	115	430	0	0	0	315	115	430
30.	Fruit plant distribution	21/7/09	1	0	0	0	50	26	76	0	0	0	50	26	76
		23/7/09	1	0	0	0	70	26	96	0	0	0	70	26	96
		24/7/09	1	0	0	0	32	15	47	0	0	0	32	15	47
		29/7/09	1	0	0	0	55	30	85	0	0	0	55	30	85
		14/9/09	1	0	0	0	30	26	56	0	0	0	30	26	56
		14/9/09	1	0	0	0	33	10	43	0	0	0	33	10	43
		Total		6	0	0	270	133	403	0	0	0	270	133	403
31.	RAWE	20-21.8.09	2	44	4	48	2	0	2	0	0	0	46	4	50
		Grand total	201	367	112	479	4858	3129	7987	51	0	51	4909	3129	8038

3.5 Production and supply of Technological products

SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS					
	Rice	GR-5	21.55	44945	105
OILSEEDS					
	Groundnut*	GG-6	11.70	51090	12 (Through ATMA)
	Niger	GN-1	1.58	9480	60
PULSES					
	Pigeon pea	Vaishali	14.00	1,12,000	300
	Moong	GM-4	1.25	8750	23
	Udad	GU-1	2.22	15540	47

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	CEREALS	21.55	44945	105
2	OILSEEDS	13.28	60570	72
3	PULSES	17.47	136290	370
	TOTAL	52.30	241805	547

PLANTING MATERIALS: NIL

Sl. No.	Major group/class	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS	--	--	--
2	VEGETABLES	--	--	--
3	SPICES	--	--	--
4	FOREST SPECIES	--	--	--
5	ORNAMENTAL CROPS	--	--	--
6	PLANTATION CROPS	--	--	--
7	OTHERS	--	--	--
	TOTAL	--	--	--

BIO PRODUCTS

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
	--	--	--	--	--	--
BIOAGENTS	--	--	--	--	--	--
	--	--	--	--	--	--
BIOFERTILIZERS	--	--	--	--	--	--
1	--	--	--	--	--	--
2	--	--	--	--	--	--
BIO PESTICIDES	--	--	--	--	--	--
1	--	--	--	--	--	--
2	--	--	--	--	--	--

SUMMARY

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

LIVESTOCK

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

SUMMARY

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

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

Book 1. **Title: NARMADA JILLA NA SARVANGI KRUSHI VIKAS MATE NI MARGDARSIKA**
Author: Dr. N.M. Chauhan, Dr. V.K.Parmar, S.D. Kavad, Dr. N.B. Patel and A.A. Patel
Pages:180
Copy: 500

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

(B) Literature developed/published

Item	Title	Authors name	Number of copies
Research papers			
--			
Popular articles			
	1. Safal Pashupalan ne Chavio(Gujarati)	Dr. N. B. Patel	Published in Ghou Darshan Guide 05/12/09
	2. Drip and sprinkler irrigation in potato Sh. S. D. Kavad	S.D.Kavad	Published in Jal jivan December- 2009 to Jan-2010
	3. Rabbit farming	Dr. N. B. Patel	Gujarat Samachar 09.09.2009
Leaflets/folders			
1	Profitable cultivation of okra	Dr. V.K. Parmar and Dr. N.M. Chauhan	1000
2	Goat Farming	Dr. N.B. Patel and Dr. N.M. Chauhan	1000
3	Fruit Preservation and different Products	Dr. V.K. Parmar and Dr. N.M. Chauhan	1000
4	Scientific cultivation of Brinjal	Dr. V.K. Parmar and Dr. N.M. Chauhan	1000
5	Scientific cultivation of Chilli	Dr. V.K. Parmar and Dr. N.M. Chauhan	1000
6	Scientific cultivation of Cauliflower	Dr. V.K. Parmar and Dr. N.M. Chauhan	1000
7	Scientific cultivation of Creepers	Dr. V.K. Parmar and Dr. N.M. Chauhan	1000
8	Arid Horticultural	Dr. V.K. Parmar and Dr. N.M. Chauhan	1000
9	Package of practices of summer - Groundnut	S. D. Kavad and Dr. N.M. Chauhan	1000
10	Higher Production through organic farming	Dr. N.M. Chauhan	1000
11	Value addition in Agricultural	Dr. N.M. Chauhan	1000
12	Ten Points to make an Agriculture as an industry	Dr. N.M. Chauhan	1000
13	Modern Farming & Highly modern women	Dr. N.M. Chauhan	1000
14	Importance of Mineral mixer in animal health. Milk Production and Reproduction	Dr. N.B. Patel and Dr. N.M. Chauhan	1000
15	Silage of Green Fodder	Dr. N.B. Patel and Dr. N.M. Chauhan	1000

16	Vegetable Nursery - A Profitable Business	Dr. V.K. Parmar and Dr. N.M. Chauhan	1000
17	Selection Criteria for purchasing high yield Dairy animal	Dr. N.B. Patel and Dr. N.M. Chauhan	1000
18	Why Fruit Plantation ?	Dr. V.K. Parmar and Dr. N.M. Chauhan	1000
19	Scientific cultivation of Tomato	Dr. V.K. Parmar and Dr. N.M. Chauhan	1000
20	How to make an Agriculture a profitable Business	S.D. Kavad and Dr. N.M. Chauhan	1000
21	Importance of Organic manures and its preparation	S.D. Kavad and Dr. N.M. Chauhan	1000
22	Scientific Package of Practices of Chickpea	A. A.Patel, and Dr. N.M. Chauhan	1000
23	SRI method of Paddy	S.D. Kavad and Dr. N.M. Chauhan	1000
24	Post Harvest Technology in Vegetable	Dr. V.K. Parmar and Dr. N.M. Chauhan	1000
25	Today's calf Tomorrow's Cow	Dr. N.B. Patel and Dr. N.M. Chauhan	1000
26	Clean milk Production	Dr. N.B. Patel and Dr. N.M. Chauhan	1000
27	Sustainable Agriculture	Dr. N.M. Chauhan	1000
28	An Ideal Paddy Nursery	A. A.Patel and Dr. N.M. Chauhan	1000
29	Kitchen Gardening	Dr. V.K. Parmar and Dr. N.M. Chauhan	1000
30	IPM in Paddy	H.M. Patel and Dr. N.M. Chauhan	1000
31	IPM in Cotton	H.M.Patel, and Dr. N.M. Chauhan	1000
32	Golden Proverbs for Ideal Animal Husbandry	Dr. N.B. Patel and Dr. N.M. Chauhan	1000
33	Why Vegetable Farming ?	Dr. V.K. Parmar and Dr. N.M. Chauhan	1000
34	Scientific cultivation of Pigeon pea	A. A.Patel and Dr. N.M. Chauhan	1000
35	Scientific cultivation of Paddy	A. A.Patel and Dr. N.M. Chauhan	1000
36	KVK, Dediapada- An Introduction	---	1500
37	Low cost Technologies in agriculture	S.D. Kavad and Dr. N.M. Chauhan	1000
38	Dry farming	S.D. Kavad and Dr. N.M. Chauhan	1000
39	Urea Treatment to paddy straw for enrichment	Dr. N.B. Patel and Dr. N.M. Chauhan	1000

N.B. Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

(C) Details of Electronic Media Produced :NIL

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

3.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs);

NIL

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

NIL

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)

NIL

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
--	--	--	--

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

- Identification of courses for farmers/farm women: PRA/ group discussion
- Rural Youth: PRA/ Group discussion
- In-service personnel: Discussion with higher authority

3.11 Field activities

- i. Number of villages adopted -10
- ii. No. of farm families selected - NIL
- iii. No. of survey/PRA conducted- 08

3.12. Activities of Soil and Water Testing Laboratory : Not yet established

Status of establishment of Lab :--

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

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

- 3. Details of samples analyzed so far :

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

4.0 IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period); As this is a new KVK impact study not made.

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

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

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

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1.Line Departments of Government of Gujarat Agriculture/ Horticulture/ Animal Husbandry/ Fishery / Forest department	Khedut sibir, Animal health camp, Sponsored training. In-service trainings and other extension activities, technical support, Participation in meeting
2. AKRSP (I), NGO, Dediapada	Sponsored training, Mahila sibir, technical support
3. J. K. Trust, Rajpipla	Animal Health Camp, In-service training programme
4. Parivartan Radio programme, Netrang	Radio talk
5. Main Water Management Research Unit, NAU, Navsari	Collaboration-FLD on Low Cost Greenhouse
6. Research Stations, NAU	Participation-Farmers day, Seed-FLDs, etc.
7. FTC, Rajpipla	Experts lectures
8. Govt. of Gujarat	Collaboration – Krishi Mahotsav, ATMA, RKVY, etc.
9. Missionary - NGO	Sponsored training programme, extension activities
10. ANARDE Foundation	Extension activities

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

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

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/R/Y/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total
--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--

6.5 Utilization of hostel facilities: Nil (as no hostel facility is available)

Accommodation available (No. of beds) :

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With KVK	State Bank Of India	Dediapada	30140660644
Revolving fund	State Bank Of India	Dediapada	30140661150

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2009
	Kharif 2009-10	Rabi 2009-10	Kharif 2009-10	Rabi 2009-10	
Inputs	--	--	--	--	--
Extension activities	--	--	--	--	--
TA/DA/POL etc.	--	--	--	--	--
TOTAL	--	--	--	--	--

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2010
	Kharif 2009-10	Rabi 2009-10	Kharif 2009-10	Rabi 2009-10	
Inputs	--	--	--	--	--
Extension activities	--	--	--	--	--
TA/DA/POL etc.	--	--	--	--	--
TOTAL	--	--	--	--	--

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

Item	Released by ICAR	Expenditure	Unspent balance as on 1 st April 2010
	Kharif 2009-10	Kharif 2009-10	
Inputs	--	--	--
Extension activities	--	--	--
TA/DA/POL etc.	--	--	--
TOTAL	--	--	--

7.5 Utilization of KVK funds during the year 2008-09 (in Rs.)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	24,00,000	2219000 +	11,55,224
2	Traveling allowances	75,000	740615	59,107
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	1,25,000		95343
B	POL, repair of vehicles, tractor and equipments	75,000		62258
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	60,000		15630
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	65,000		29219
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	95,000		94155
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	50,000		--
G	Training of extension functionaries	35,000		--
H	Maintenance of buildings	15,000		--
I	Establishment of Soil, Plant & Water Testing Laboratory	---		--
J	Library	---		--
TOTAL (A)		29,95,000	29,59,615	15,06,936
B. Non-Recurring Contingencies				
1	Works	40,78,000	40,78,000	40,78,000
2	Equipments including SWTL & Furniture	---		---
3	Vehicle (Four wheeler/Two wheeler, please specify)	--		--
4	Library (Purchase of assets like books & journals)	--		--
TOTAL (B)		40,78,000	40,78,000	40,78,000
C. REVOLVING FUND		---	--	--
GRAND TOTAL (A+B+C)		70,73,000	70,37,615	55,84,936

7.5 Utilization of KVK funds during the year 2009-2010

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	28,00,000	1912000+	19,64,229
2	Traveling allowances	1,00,000	1452679	66,810
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	1,25,000		1,24,990
B	POL, repair of vehicles, tractor and equipments	75,000		74,985
C	Meals/refreshment for trainees (ceiling up to Rs.40/day/trainee be maintained)	70,000		69,971
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	70,000		69,981
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	75,000		74,980
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	50,000		49,990
G	Training of extension functionaries	35,000		34,990
H	Maintenance of buildings	0		0
I	Establishment of Soil, Plant & Water Testing Laboratory	0		0
J	Library	0		0
TOTAL (A)		34,00,000	33,64,679	25,12,926
B. Non-Recurring Contingencies				
1	Works	23,00,000	23,00,000	23,00,000
2	Equipments including SWTL & Furniture	4,10,000	4,10,000	407500
3	Vehicle (Four wheeler/Two wheeler, please specify)	0	0	0
4	Library (Purchase of assets like books & journals)	10,000	10,000	600
TOTAL (B)		27,20,000	27,20,000	27,08,100
C. REVOLVING FUND		0		
GRAND TOTAL (A+B+C)		61,20,000	6084679	52,21,026

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2007 to March 2008	1.00	0.11710	1.05131	0.06579
April 2008 to March 2009	0.06579	1.04504	0.61160	0.49923
April 2009 to March 2010	0.49923	0.95162	0.77890	0.67198

8.0 Please include information which has not been reflected above (write in detail).**8.1 Constraints**

- (a) Administrative; Posts of SMS Agronomy, Programme Assistant, Computer programmer, Office superintendent and supporting staff are vacant
- (b) Financial: Unavailability of grant for oilseed and pulses demonstrations
Fund requirement for Compound wall, farm roads, security office, training hall furniture, Furniture for farmers' hostel *etc.*
Vehicle minibus for bringing trainees to the centre.
- (c) Technical: Establishment of Soil testing lab
Plant health clinic

Annexure-I**Proceeding of First Scientific Advisory Committee Meeting of Krishi Vigyan
Kendra, N.A.U., Dediapada held on 13/03/2010 at 2:00 pm at Dediapada*** **List of the members remained present in the meeting :**

Sr. No	Name	Member/ Invitee	Designation
1	Dr. A.R. Pathak	Chairman	Vice Chancellor, Navsari Agricultural University, Navsari
2	Dr. R.B. Patel	Member	Director of Extension Education, Navsari Agricultural University, Navsari
3	Dr. Y. V. Singh	Member	Zonal Project Director, Zone-VI, I.C.A.R., CAZRI Campus, Jodhpur, Rajasthan
4	Dr. Hanuman Prasad Singh	Invitee	Director of Extension Education, RAU, Bikaner
5	Dr. Shashi Kumar	Member	DFO, Rajpipla (East)
6	Shri. K. S. Patel	Member	District Agriculture Officer, Narmada District, Rajpipla
7	Shri. V. M. Patel	Member	Deputy Director of Horticulture , Dept. of Horticulture, Rajpipla
8	Dr. D. M. Dadhaniya	Member	Representative of Deputy Director of Animal Husbandry, District Panchayat, Rajpipal
9	Shri. B.P. Vasava	Member	Representative of DFO, Social forestry, Rajpipla
10	Shri. M.S. Purohit	Member	Representative of Assistant Director (Fisheries), Rajpipla
11	Shri. A. P. Patel	Member	Representative of Executive Engineer, Karjan Irri., Karjan Colony, Rajpipla
12	Shri. A. G. Manekar	Member	Lead Bank Manager, BOB, Bharuch
13	Shri. M.Subramanium	Member	District Development Manager, NABARD, Bharuch
14	Shri J.B. Patel	Member	Representative of Assistant Director, GLDC, Kevadia, Dist: Narmada
15	Representative	Member	Area Manager, AKRSP (I), Netrang, Dist : Bharuch
16	Shri. P. I. Patel	Member	Associate Research Scientist, Cotton

			Research Station, Achhalia, Ta: Zagadia Dist: Bharuch
17	Shri. Ramabhai J. Vasava	Member	Farmer Representative, AT : Nawagam, Ta : Dediapada, Dist : Narmada
18	Shri. Champakbhai Vasava	Member	Farmer Representative, AT : Kukadada, Ta : Dediapada, Dist : Narmada
19	Smt. Chandraben M. Vasava	Member	Farm Women Representative, At.Chikda, Ta.Dediapada, Dist. Narmada
20	Smt. Manjuben R. Vasava	Member	Farm Women Representative, At.Ninghat, Ta.Dediapada, Dist. Narmada
21	Dr. N.M.Chauhan	Member Secretary	Programme Coordinator, Krishi Vigyan Kendra, NAU, Dediapada
22	Shri. H.R. Chuadhary	Invitee	ANARDE Foundation, Rajpipla
23	Dr. Gaurang Bhatt	Invitee	Assistant Project Manager, J.K., Trust, Rajpipla
24	Nahedaben Sheikh	Invitee	Parivartan Radio Programme, At: Netrang, Ta : Valia, Dist : Bharuch
25	Smt. Ushaben Vasava	Invitee	Navjivan Mahila Manch AT & Ta: Sagbara, Dist : Narmada
26	Shri. Fulsingbhai Vasava	Invitee	AT : Boripitha, Ta : Dediapada Dist : Narmada
27	Shri. Satishbhai G. Patel	Invitee	AT : Kankhadi, Ta : Sagbara, Dist : Narmada
28	Shri. Sarjitsinh K. Chauhan	Invitee	At & Ta: Dediapada, Dist : Narmada
29	Shri. Maheshbhai K. Patel	Invitee	At & Ta: Dediapada Dist : Narmada
30	Smt. Emaben L.Vasava	Invitee	At : Sagbara, Dist : Narmada
31	Shri. Somabhai Hiriyabhai	Invitee	AT : Pansar, Ta : Dediapada, Dist : Narmada
32	Shri. Viththalbhai J. Vasava	Invitee	AT : Vadivav, Ta : Dediapada, Dist : Narmada
33.	Shri Mansingbhai R. Vasava	Invitee	SSPA Vadodara- Representative

All Subject Matter Specialist of KVK, Dediapada also remained present

* **List of members who could not remain present in the meeting :**

Sr. No.	Designation	Member/ Invitee
1	Director of Research, NAU, Navsari	Member
2	Deputy Director of Agriculture (Extension), FTC, Rajpipla	Member
3	Project Administrator, TSP, Rajpipla	Member
4	Director, District Rural Development Agency, Rajpipla	Member
5	Deputy Director of Agriculture (Training), FTC, Rajpipla	Member
6	Executive Engineer, Sardar Sarovar Project, Kevadia, Dist : Narmada	Member
7	Social Welfare Officer, Jilla Seva Sadan, Rajpipla	Member
8	Joint Director of Agriculture, Model farm, Vadodara	Member
9	Officer In-charge, AIR, Vadodara	Member
10	Information Officer, Dept. of Information, Rajpipla	Member
11	General Manager, DIC, Jilla Seva Sadan, Rajpipla	Member
12	Chairman, Narmada Sugar, Dharikheda, Ta : Nandod, dist: Narmada	Member
13	Chairman, Dudhdhara dairy, Bharuch	Member
14	Chairman, APMC, Dediapada, Dist : Narmada	Member
15	Principal, Nutan Gram Vidyapith, At : Thava, Dist : Bharuch	Member
16	Smt. Rupaben Gohil, District Coordinator, (Sakhi Mandal), District Panchayat, Rajpipla	Invitee
17	Principal, Agril. Engineering Polytechnic, NAU, Dediapada	Member

The first Scientific Advisory Committee meeting of Krishi Vigyan Kendra, NAU, Dediapada was organized to review the progress made by KVK during October 2007 to February 2010 and to discuss the action plan for the year 2009-10. The SAC meeting was held at KVK, Dediapada on 13th March, 2010. The meeting was inaugurated by Dr. A. R. Pathak, Hon. Vice Chancellor, NAU, Navsari. Dr. N. M. Chauhan, Programme Coordinator, KVK, Dediapada welcomed dignitaries, Committee members, farmers and invitees.

Report of activities carried out during the year 2007-08 to still the date was presented by Dr. N. M. Chauhan, Programme Coordinator, KVK, Dediapada and suggestion invited from the members to make it more effective.

Director of Extension Education, Navsari Agricultural University explained the aim of Scientific Advisory Committee and made clear the role of members to perform. In addition to this he mentioned the members to take part in discussion and to make valuable suggestions for improvement of KVK, functioning in the district.

Zonal Project Director, head of KVKs of Gujarat and Rajasthan, Dr. Y.V. Singh appreciated the activities done by KVK in scares condition. He emphasized the importance of co-ordination among different departments in the district for better development of tribal farmers with the activities of soil and water conservation, Animal husbandry etc. He argued to take maximum benefit of the KVK for their betterment.

Chairman of SAC and Hon. Vice Chancellor of NAU Dr. A. R. Pathak emphasized the need to adopt scientific package of practices by even small farmers increasing their production. He emphasized on good TOT works by KVK in the district. Hon. Vice Chancellor has appreciated the work done by KVK within limited staff and physical facilities. He also promised for his whole hearted efforts for upliftment of this KVK.

He also advised to increase the use of organic matter for more yield and better soil health, as well as for sustainable Agriculture Department.

In the meeting, head of different departments in the District and NGOs were remained present. The activities done by KVK were appreciated by all and gave assurance for their cooperation in future programme of KVK.

Representative farmers and farm women also remained present and give their feed back about benefits gained by them through the activities of KVK.

The thorough discussions made during the meet were really unique culminating into a number of remarkable suggestions and feedback which can be utilized for future betterment of the KVK. Vote of thanks was presented by Shri. S. D. Kavad, Subject Matter Specialist (Extension Education), KVK, Dediapada.

1.1 Progress made during October 2007 to February 2010

Programme Coordinator, KVK, Dediapada Dr. N. M. Chauhan presented the report on progress made by KVK, Dediapada during the period of October, 2007 to February 2010. Following suggestions were made by the house.

- 1.1.1 Low cost technology should be popularized among small farmers.
- 1.1.2 Quality seed of main crops should be made available at KVK.
- 1.1.3 To develop the Demonstration units at KVK which is very important for farmers

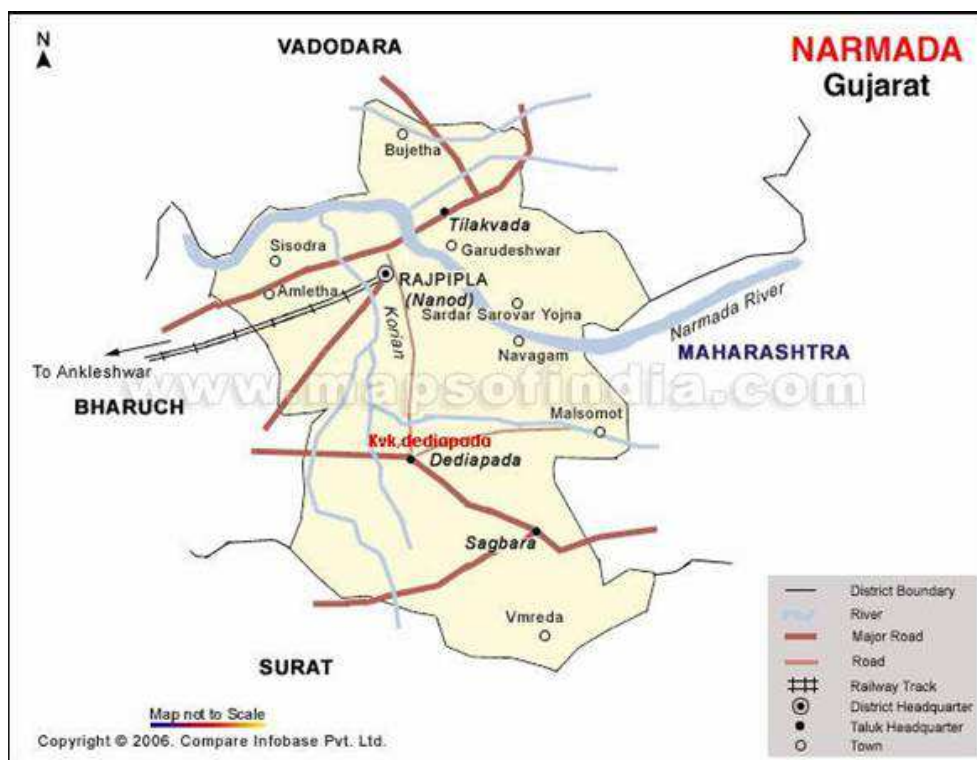
1.2 Action plan for the period of October 2009 to September 2010.

The Action Plan for the period of October 2009 to September 2010 was presented by Programme Coordinator, KVK, Dediapada which was thoroughly discussed and approved with following suggestions.

- 1.2.1 Training to women on Income generating activities should be imparted.
- 1.2.2 Recruitment for filling the vacant posts at the earliest.
- 1.2.3 Impart more training on Soil and water conservation.
- 1.2.4 Arrange the exposure visit of farmers to demonstration as it is very important for horizontal and vertical spreading of new technology.
- 1.2.5 More emphasis should be given to Rainfed horticulture crops.

ANNUAL REPORT

(1/4/2009 to 31/03/2010)



KRISHI VIGYAN KENDRA
NAVSARI AGRICULTURAL UNIVERSITY
DEDIAPADA, DIST: NARMADA, GUJARAT

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