

## Annual Progress Report 2008-09

### STAFF POSITION as on 30th Sept.'09

KVK	PC			SMS			PA			ADMN			AX			SUPP			TOTAL		
	S	F	V	S	F	V	S	F	V	S	F	V	S	F	V	S	F	V	S	F	V
	1	1	-	6	4	2	3	2	1	1	1	-	3	3	-	2	1	1	16	12	4

S- Sanctioned      F- Filled      V- Vacant

### REVOLVING FUND

KVK	Opening Balance on 1.4.08 (Rs. in lakhs)	Revenue Generated (Rs. in lakhs)	Closing Balance on 31.3.09 (Rs. in lakhs)
KVK , NARMADA	6,579	1,04,504	49,923

### SCIENTIFIC ADVISORY COMMITTEE

KVK	No. of meetings conducted	Date of meeting
-	-	-

### ACTIVITIES OF KVK

#### TECHNOLOGY ASSESSMENT AND REFINEMENT

Details of technologies assessed and refined

##### Technologies assessed\*\*

Sl.No.	Enterprise	Crop/Animal/Species	Name of the technology**	Thematic Area
1	Vegetables	Chilly	Showing Distance ( 60 x 60 cm)	Showing Distance

\*\* Any new technology, which may offer solution to a location specific problem but not tested earlier in a given micro situation.



III

Abstract on the number of technologies **refined** in respect of crops/ enterprises

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

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

Thematic areas	Cattle	Poultry	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds						
Nutrition Management						
Disease of Management						
Value Addition						
Production and Management						
Feed and Fodder						
Small Scale income generating enterprises						
<b>TOTAL</b>						

## IV

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

Thematic areas	Cattle	Poultry	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds						
Nutrition Management						
Disease of Management						
Value Addition						
Production and Management						
Feed and Fodder						
Small Scale income generating enterprises						
<b>TOTAL</b>						

### PERFORMANCE OF IMPORTANT TECHNOLOGIES

#### A. Technology Assessed

##### Trial 1

1. Title : Low yield of Chilly
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 x45 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.

i) Name of technology: Sowing distance (On going)

Technological Options*	No. of Trials	Performance on different parameters						Result and Recommendation	Acceptability in existing farming system
		Plant height (cm)		Plant canopy		No. of picking	Yield (q/ha)		
		60 DAT	120 DAT	60 DAT	120 DAT				
T1 : 30 x30 cm (farmer's practices)	3	■	■	■	■	■	■	-	-
T2 : 60 x60 cm (Recommended spacing)	3	■	■	■	■	■	■	-	-
T3 : 45 x45 cm (refinement)	3	■	■	■	■	■	■	-	-

\* Furnish details of technology **assessed** alongwith Farmers Practices.

DAT - Day after Transplanting

**B Technologies refined :** ---NIL---

### **FRONTLINE DEMONSTRATIONS**

Crop/enterprise	No. of demonstrations	Area (ha)
Oilseeds	19	10
Pulses	35	10
Cereals	52	15
Milletts	-	-
Cash crops	-	-
Fodder crops	-	-
Fruit crops	-	-
Vegetable crops	65	8.4
Plantation crops	-	-
Spices and condiments	-	-
Flowers and ornamental crops	-	-
Medicinal and aromatic plants	-	-
Bio- Agent / IPM	48	19
Fishery	-	-
<b>Total</b>		
		<b>Units (No.)</b>
Dairy		
Sheep and goat		
Poultry		
Piggery		
Rabbitary		
Apiculture		
Mushroom units		
Total		
<b>Grand total</b>		

**OILSEEDS**

Crop	Season	Name of technology	No. of farmers	Area (ha)	Performance of technology on different parameters*						Result **
					1		2		3		
					Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
					Pods / plant		Length of pod (cm)		Yield		
Soybean	Kharif 2008	JS-335	15	5.0	120 to 125	90 to 100	4.25 to 4.50	4.0 to 4.20	1492	1298	
					<b>Pods/ plant</b>		<b>Test wt (gm)</b>		<b>Yield (kg/ha)</b>		
Groundnut	Kharif 2008	GG-6	14	5.0	29 to 32	22 to 24	29 to 32	17 to 22	1491	1281	

\* Include the data on related observations and yield

\*\* Efficacy of technology demonstrated and its impact on yield

**PULSES**

Crop	Season	Name of technology	No. of farmers	Area (ha)	Performance of technology on different parameters*						Result **
					1		2		3		
					Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
					<b>Branches / plant</b>		<b>Pods/ plant</b>		<b>Yield (kg/ha)</b>		
Pigeon pea	Kharif 2008	Vaishali	14	5.0	8-11	6-9	215-250	170-205	1532	1241	
					Pods / plant		Length of pod (cm)		Yield		
Gram	Rabi 2008-09	G.G.2	21	5.0	23-28	35-40	43-48	14-18	1566	1262	

\* Include the data on related observations and yield

\*\* Efficacy of technology demonstrated and its impact on yield

**Cotton**

Crop	Season	Name of technology	No. of farmers	Area (ha)	Performance of technology on different parameters*						Result **
					1		2		3		
					Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	

\* Include the data on related observations and yield

\*\* Efficacy of technology demonstrated and its impact on yield

**CEREALS, HORTICULTURE AND OTHER CROPS**

Crop	Season	Name of technology	No. of farmers	Area (ha)	Performance of technology on different parameters*						Result **
					1		2		3		
					Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
							Diseased plant (%)		Yield (kg/ ha)		
Pigeon pea	Kharif-08	Bio-agent (Trichoderma)	5	2	-	-	< 1%	10 to 15 %	1474	1239	
					Heliopsis Pop. / 20 Plants		Pods fly damage pods / 20 pods		Yield (kg/ ha)		
Pigeon	Kharif-	Bio-agent	13	5	1 to 2 larvae	> 20	1 to 2	3 to 4	1501	1208	

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pea	08	(HNPV)				larvae						
					White fly / leaves		Heliothis/ 20 plant		Yield (kg/ ha)			
Cotton	Kharif-08	IPM	12	5	1 to 2	> 5	1 to 2	>15	1801	1469		
					White fly / leaves		Damaged marketable fruits		Yield (kg/ ha)			
Brinjal	Rabi-08	IPM	13	5	1 to 2	> 5	< 1 %	> 20 %	23770	19869		
							Diseased plant (%)		Yield (kg/ ha)			
Gram	Rabi-08	Bio-agent (Trichoderma)	5	2	-	-	< 1%	9 to 12 %	1108	936		
					Provide length (cm)		No's of grain / provide		Yield (kg/ ha)			
Paddy	Kharif 2008	Variety	17	5.0	28.37	22-30	120-140	105-114	2182	1772		
					Ear length (cm)		Grain / ear		Yield (kg/ ha)			
Wheat	Rabi-08-09	Variety	18	5.2	8-11	7-9	32-40	26-32	4113	3325		
Wheat	Rabi	ICM	17	4.8	8-12	6-9	35-42	26-35	4130	3308		
					No. of fruit per plant		Length of fruit (cm)		Yield (kg/ ha)			
Chilly	Kharif 2008	Variety	12	2	150-159	130-137	9 to10.3	8.2 to 9.8	6957	6112	Good	
					No. of fruit per plant		Weight of fruit (gm)		Yield (kg/ ha)			
Brinjal	Kharif 2008	Variety	12	2	13-17	10-13	108-117	102-109	2563	2103	Good	
					No. of fruit per plant		Weight of fruit (gm)		Yield (kg/ ha)			
Tomato	Rabi-08	Variety	20	2	24-28	19-22	23-28	18-22	25917	22306	Good	
					Bulb Weight (gm)		Volume of bulb (cm <sup>3</sup> )		Yield (kg/ ha)			
Onion					112-120	105-112	108-116	101-109	158	131	Good	

\* Include the data on related observations and yield

\*\* Efficacy of technology demonstrated and its impact on yield

VIII

**ENTERPRISES : NIL**

Enterprise	Name of technologies	No. of farmers	No. of Units	Performance of technology on different parameters *						Result**
				1		2		3		
				Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
Apiculture										
Bio-feed (Azolla)										
Dairying										
Duckery										
Mushroom										
Piggery										
Poultry										
Quail farming										
Sheep and Goat production										

\* Include the data on related observations and yield

\*\* Efficacy of technology demonstrated and its impact on yield

**Demonstrations on Hybrid varieties of different crops : NIL**

Crop	Season	Name of the Hybrid variety	No. of farmers	Area (ha)	Performance of technology on different parameters*						Result**
					1		2		3		
					Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	

\* Include the data on related observations and yield

\*\* Efficacy of technology demonstrated and its impact on yield



<b>Training (including Vocational, Sponsored and FLD training)</b>
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Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>(A) Farmers &amp; Farm Women</b>										
<b>I Crop Production</b>										
Weed Management	1	-	-	-	35	-	35	35	-	35
Resource Conservation Technologies	2	-	-	-	64	-	64	64	-	64
Cropping Systems										
Crop Diversification										
Integrated Farming										
Water management										
Seed production	1	-	-	-	16	4	20	16	4	20
Nursery management										
Integrated Crop Management	7	22	-	22	128	7	135	150	7	157
Fodder production										
Production of organic inputs										
<b>II Horticulture</b>										
<b>a) Vegetable Crops</b>										
Production of low volume and high value crops	1				-	34	34	-	34	34
Off-season vegetables										
Nursery raising	5	1	-	1	104	12	116	105	12	117
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)										
Other	3	1	1	2	52	4	56	53	5	58
<b>b) Fruits</b>										
Training and Pruning										
Layout and	1				29	-	29	29	-	29

















## XVII

**Sponsored Training Programmes**

Thematic Area	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
<b>On Campus</b>								
1. Integrated crop management	PF	4	187	-	187	187	-	187
2. Vegetable (wine crop) cultivation	PF	1	34	2	36	34	2	36
<b>Total</b>		<b>5</b>	<b>221</b>	<b>2</b>	<b>223</b>	<b>221</b>	<b>2</b>	<b>223</b>
<b>Off Campus</b>								
1. Kitchen garden	PF	1	-	30	30	-	30	30
2. Feed management	PF	1	-	15	15	-	15	15
3. Resource conservation technology	PF	1	25	10	35	25	10	35
4. Integrated crop management	PF	3	82	14	96	82	14	96
5. Protective cultivation	PF	1	16	6	22	16	6	22
<b>Total</b>		<b>7</b>	<b>123</b>	<b>75</b>	<b>198</b>	<b>123</b>	<b>75</b>	<b>198</b>
<b>Grand Total</b>		<b>12</b>	<b>344</b>	<b>77</b>	<b>421</b>	<b>344</b>	<b>77</b>	<b>421</b>

Extension activities
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Nature of Extension Activity	No. of activities	Participants											
		Farmers (Others)			SC/ST (Farmers)			Extension Officials			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	6				140	4	144				140	4	144
Kisan Mela	1	50	10	60	1240	900	2140				1290	910	2200
Kisan Ghosthi	13				229	8	237				229	8	237
Exhibition	10	208	58	266	1159	597	1756				1367	655	2022
Film Show	-	-	-	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	-	-	-	-	-	-	-	-	-	-	-	-	-
Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-	-	-	-
Group meetings	-	-	-	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	30				964	552	1516				964	552	1516
Newspaper coverage	-	-	-	-	-	-	-	-	-	-	-	-	-
Radio talks	-	-	-	-	-	-	-	-	-	-	-	-	-
TV talks	2												
Popular articles	2												
Extension Literature	3												
Advisory Services	12				12	-	12				12	-	12
Scientific visit to farmers field	92				159	22	181				159	22	181
Farmers visit to KVK		30	20	50	64	55	119				94	75	169
Diagnostic visits	10				17	-	17				17	-	17
Exposure visits	2				25	2	27				25	2	27
Ex-trainees Sammelan													
Soil health Camp													
Animal Health Camp													
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)													
Fruit plants distribution	6				270	133	403				270	133	403
RAWE students	2	50	-	50							50	-	50

<b>Total</b>	191	338	88	426	4279	2273	6552	0	0	0	4617	2361	6978
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<b>Production and supply of quality seed and planting material</b>
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**SEED MATERIALS**

Major group/class	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
<b>CEREALS</b>					
	Rice*	IET-14444	4	14000	15
	Rice*	BPT-343	5	15000	15
	Wheat*	Sahyadri	8	8000	20
<b>OILSEEDS</b>					
	Groundnut*	TCGS1	10	10000	25
<b>PULSES</b>					
<b>VEGETABLES</b>					
<b>FLOWER CROPS</b>					
<b>OTHERS (Specify)</b>					

\*An example for guidance only

**SUMMARY**

SI. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	CEREALS			
2	OILSEEDS			
3	PULSES			
4	VEGETABLES			
5	FLOWER CROPS			
6	OTHERS			
	<b>TOTAL</b>			

**PLANTING MATERIALS : NIL**

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
<b>FRUITS</b>					
<b>SPICES</b>					
<b>VEGETABLES</b>					
<b>FOREST SPECIES</b>					
<b>ORNAMENTAL CROPS</b>					
<b>PLANTATION CROPS</b>					
<b>Others (specify)</b>					

**SUMMARY**

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

**BIO PRODUCTS : NIL**

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
<b>BIOAGENTS</b>						
<b>BIOFERTILIZERS</b>						
1						
2						
3						
4						
<b>BIO PESTICIDES</b>						
1						

2						
3						
4						

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

**LIVESTOCK : NIL**

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

<b>SUMMARY</b>
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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					
	<b>TOTAL</b>					

### PUBLICATIONS

Type of Publication	No. of Items/topics	Number copies
News Letter		
Technical reports	1. Annual Progress Report 2. ZREAC report	
Technical bulletins		
Popular articles	1. <i>Saslapalan</i> (Gujarati) Dr. N. B. Patel	Published in Gujarat Samachar dated 09/09/09
Extension literature	1. Kitchen garden	1000
	2. Raising of seedling of vegetable crop	1000
	3. Krushi Vigyan Kendra-Activities	1000
Electronic media		

### CASE STUDIES : NIL

Title
Background
Interventions
Process
Technology
Impact
Horizontal Spread
Economic gains
Employment Generation

### SOIL AND WATER TESTING : NIL

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realised (Rs.)
Soil Samples				
Water Samples				

