

# **PROGRESS REPORT**

(Sept - 2012 to March- 2013)

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# **ACTION PLAN**

(April-2013 to March –2014)

## **1<sup>st</sup> SCIENTIFIC ADVISORY COMMITTEE MEETING**

**6<sup>th</sup> April – 2013**



**PROGRAMME COORDINATOR  
KRISHI VIGYAN KENDRA  
JUNAGADH AGRICULTURAL UNIVERSITY  
PIPALIA (DHORAJI) -360 410**

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**PROGRESS REPORT-2012-13**

(SEPT 2012 TO MARCH-2013)

**KRISHI VIGYAN KENDRA  
JUNAGADH AGRICULTURAL UNIVERSITY, PIPALIA****1. GENERAL INFORMATION ABOUT THE KVK****1.1 Name and address of KVK with phone, fax and e-mail**

Address	Telephone		E mail	Web Address
Krishi Vigyan Kendra, Junagadh Agricultural University, Pipalia (Dhoraji) Dist: Rajkot, Gujarat-360410	-	-	kvkpipalia@jau.in	www.jau.in

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

Address	Telephone		E mail	Web Address
	Office	FAX		
Junagadh Agricultural University, Junagadh (Gujarat)	0285- 2672080	0285- 2672653	-	www.jau.in

**1.3 Name of the Programme Coordinator with phone & mobile no.**

Name	Telephone /Contact		
	Residence	Mobile	Email
Dr.N.B.Jadav (I/C)	"Dharmnandan" 50, City Bus Colony,Gandhigram Junagadh-362001	09924012649	nb_jadav@yahoo.com

**1.4 Year of sanction: 16, March-2012****1.5 Staff Position (as on March 2013)**

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Highest qualification	Pay Scale	Present basic	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Programme Coordinator	Dr. N.B. Jadav (I/C)	Prog.Co-ord.	Extension Education	Ph. D	15600-39100	18320	18-8-06	Temp	OBC
2	Subject Matter Specialist	Dr. N. B. Jadav	SMS	Extension Education	Ph.D.	15600-39100	18320	18-08-06	Temp.	OBC
3	Subject Matter Specialist	Dr.V.B.Bhalu	SMS	Agronomy	Ph.D.	15600-39100	21000	22-3-1995	Temp.	Other
4	Subject Matter Specialist	Vacant	SMS	Plant Protection	-	15600-39100	-	-	-	-
5	Subject Matter Specialist	Vacant	SMS	Animal Husbandry	-	15600-39100	-	-	-	-
6	Subject Matter Specialist	Vacant	SMS	Agril. Engineering	-	15600-39100	-	-	-	-

7	Subject Matter Specialist	Vacant	SMS	Home Science	-	15600-39100		-		-
8	Programme Assistant (Computer)	R.G.Panseriya	Prog. Asstt.	Computer Operator	B.C.A., P.T.C.	9300-34800	10000	01-01-13 Pool at IT)	Fix Pay	Other
9	Programme assistant	Vacant	Prog. Asstt.	-	-	9300-34800	-	-		
10	Farm Manager	Vacant	Prog. Asstt.	-	-	9300-34800	-	-	-	-
11	Accountant / Superintendent	Vacant	Sr. Clerk	-	-	9300-34800	-	-	-	-
12	Stenographer	K.R. Yadav	Sr.Clerk	Steno.	B.Com.	5200-20200	6000	6-2-2009	Fix Pay	OBC
13	Driver (Jeep)	Vacant	Driver	-	-	5200-20200	-	-	-	-
14	Driver (Tractor)	Vacant	Driver	-	-	5200-20200	-	-	-	-
15	Supporting staff	Vacant	Peon	-	-	5200-20200	-		--	-
16	Supporting staff	Vacant	Peon	-	-	5200-20200	-		-	-

**1.6. Total land with KVK (in ha) : 20.00 ha**

Sl. No.	Item	Area in hectare(s)*
1	Under Building and Road	-
2	Under Demonstration units	-
3	Under crops	-
4	Orchard	-
5	Agro-forestry	-
6	Others	20
<b>Total</b>		<b>20.00</b>

**1.7. Infrastructural Development:**

**A) Buildings**

Sl. No.	Name of building	Source of funding	Stage						
			Complete			Incomplete			
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction	
1.	Administrative Building	-	-	-	-	-	-	-	-
2.	Farmers Hostel	-	-	-	-	-	-	-	-
3.	Staff Quarters (6)	-	-	-	-	-	-	-	-
4.	Demonstration Units (2)	-	-	-	--	-	-	-	-
5	Fencing	-	-	-	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-	-

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Nil				

**C) Equipments & AV aids**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Mahindra Tractor	2013	565000	Working
Cultivator (9 tine)	2013	19000	Working
Blade Harrow	2013	11500	Working

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

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken
1.	06-04-2013	28		

**2. DETAILS OF DISTRICT****2.1 Major farming systems/enterprises (based on the analysis made by the KVK)**

Sr. No.	Farming system/enterprise
1	Groundnut-Wheat / Cumin, Garlic, Cotton-Summer Groundnut /Pulse crop
2	Live stock
3	Farm waste management specially cotton stalk
4	Fruit and vegetable preservation
5	Value addition in Groundnut and wheat

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

S. No	Agro-climatic Zone	Characteristics
Zone - VI	North Saurashtra	The influence area of North Saurashtra Agroclimatic Zone is spread among five districts (35.2 lakh Ha). Out of total area 73.40 per cent area falls under arid and semi-arid region. The soils of this zone are shallow to moderately deep. The soils of Rajkot district are medium black and low in their availability of nitrogen while medium phosphorus and high in available potash. Monsoon commences usually by the end of June and withdraws by middle of September. Average annual rainfall of districts is 1141.2 mm.
Zone-VII	South Saurashtra	The influence area of South Saurashtra Agroclimatic Zone is spread among four districts. (Part of Rajkot, Bhavnagar, Amreli and whole district of Junagadh). Type of soil is shallow medium black calcareous soils. Soil are medium to high in nitrogen content, phosphorus low and potash high. Average annual rainfall of the zone is 625-750 mm.

**Agro – Ecological situation in the District**

Sr. No.	Agro Ecological Situation	Characteristics	Taluka covered	Remarks
1	Situation No. 2	Medium Black Soil with 500-600 mm Rainfall	Gondal, Jamkandorna	North Saurashtra Zone, Zone-VI

2	Situation No.4	Shallow Black Soil with 500-600 mm Rainfall	Lodhika, sangani	Kotada	
3	-	Shallow medium black soil with 620-750 mm Rainfall	Jetpur, Upleta,	Dhoraji,	South Saurashtra Zone, Zone-VII

### 2.3 Soil type

Sr.No.	Soil type	Characteristics
1	Clay to clay loam	Medium black calcareous soil
2	Sandy clay loam to clayey	Well drained soil with rapid permeability
3	Sandy to sandy 10 cm calcareous	Well drained soils

### 2.4 Area, Production and Productivity of major crops cultivated in the district (Year-2011)

S. No	Crop	Area (ha)	Production (MT)	Productivity (Qtl /ha)
1	Groundnut	160995	59246	368
2	Sesamum	1470	607	413
3	Castor	5199	11178	2150
4	Cotton	155268	319387	2057
5	Wheat	70350	295470	4200
6	Pearlmillet	131	224	1708
7	Greengram	870	480	552
8	Coriender	137	193	1411
9	Cumin	6835	5270	771
10	Garlic	6590	33655	5107
11	Chickpea	3670	4518	1231

### 2.5 Production and population of live stock , poultry, fisheries etc.

Category	Population	Production	Productivity
Cow	172668	-	-
Buffalo	124671	-	-
Sheep	59962	-	-
Goat	48130	-	-
Pig	122	-	-
Rabbits	45	-	-

### 2.6 Details of operational area (Villages)

Sl. No	Taluka	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Dhoraji	Bhola, Parabadi, Fareni, Vadodar	Groundnut, Cotton, Sesamum,	Heavy infestation of sucking pest in cotton –Stem rot disease in groundnut- Sesamum wilt- Less area under horticultural crops	- IPM and INM in major crops - Motivate the farmers for horticulture crop - To create awareness for value addition - Populirization of MIS
2	Jetpur	Thana galol, Arab timbadi, Sardharpur, Sankali	Wheat, Cumin, Chickpea, Garlic and onion.		
3	Jamkador ana	Taravada, Hariyasan, Raidi, Baradiya	Enterprise are dairy business, vermi composting,		
4	Upleta	Mekha timbi, Ishara, Dhank, Varjag Zalia			

**2.7 Priority thrust areas**

Sl. No	Crop/ Enterprise	Thrust area
1.	Groundnut, Sesamum etc	Increasing the productivity of major crops by adopting recommended technologies and to create awareness of value addition
2.	Cotton	Motivating cotton growers to adopt IPM and INM practices for reducing the cost of production
3.	Farm waste	Recycling of farm waste through composting, vermicompost, green manuring, etc.
4.	Micro irrigation	Efficient use of water by micro irrigation system, water harvesting structure, and water conservation techniques
5.	Farm Women	Farm women empowerment by training in value addition, handi crafts, and small scale enterprises
6.	Horticulture	Value addition through grading, processing and marketing

**3. TECHNICAL ACHIEVEMENT****3.1 Achievement on technology assessed and refined**

OFT				
	Number of OFTs		Number of Farmers	
	Targets	Achievement	Targets	Achievement
	Nil	Nil	Nil	Nil

**3.2 Achievement on front line demonstration**

FLD	Area of FLD (ha)		Number of Farmers	
	Targets	Achievement	Targets	Achievement
	Nil	Nil	Nil	Nil

**3.3 ACHIEVEMENTS ON TRAINING****A. On Campus**

Thematic Area	No. of Courses	No. of Participants								
		Others			SC/ST			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Plant Protection	1	42	0	42	8	0	8	50	0	50
<b>Grand Total</b>	<b>1</b>	<b>42</b>	<b>0</b>	<b>42</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>50</b>	<b>0</b>	<b>50</b>

**B. Off Campus**

Thematic Area	Courses	No. of Participants								
		Others			SC/ST			Total		
		M	F	Total	M	F	Total	M	F	Total
Soil fertility Management	1	28	0	28	3	0	3	31	0	31
Water management	1	24	0	24	2	0	2	26	0	26
Weed Management	1	33	0	33	5	0	5	38	0	38
Integrated Pest Management	1	18	0	18	4	0	4	22	0	22
Micro Irrigation System	1	26	0	26	3	0	3	29	0	29
Protective Cultivation	1	22	0	22	2	0	2	24	0	24
<b>Grand Total</b>	<b>6</b>	<b>151</b>	<b>0</b>	<b>151</b>	<b>19</b>	<b>0</b>	<b>19</b>	<b>170</b>	<b>0</b>	<b>170</b>

**C. Consolidated table (On and OFF Campus)**

Thematic Area	Courses	No. of Participants								
		Others			SC/ST			Total		
		M	F	Total	M	F	Total	M	F	Total
Soil fertility Management	1	28	0	28	3	0	3	31	0	31
Water management	1	24	0	24	2	0	2	26	0	26
Weed Management	1	33	0	33	5	0	5	38	0	38
Integrated Pest Management	1	18	0	18	4	0	4	22	0	22
Micro Irrigation System	1	26	0	26	3	0	3	29	0	29
Protective Cultivation	1	22	0	22	2	0	2	24	0	24
Plant Protection	1	42	0	42	8	0	8	50	0	50
<b>Grand Total</b>	<b>7</b>	<b>193</b>	<b>0</b>	<b>193</b>	<b>27</b>	<b>0</b>	<b>27</b>	<b>220</b>	<b>0</b>	<b>220</b>

**3.4 Sponsored Training Programmes**

Nil

**3.5 Extension Programmes (including activities of FLD programmes)**

Nil

**4. Details of samples analyzed during reporting period**

Nil



**5. Utilization of KVK funds during the year 2012-2013 (Upto March 13)**

S. No.	Particulars	Sanctioned	Released	Expenditure
<b>A.</b>	<b>Recurring Contingencies</b>			
1	Pay & Allowances	600000	600000	599364
2	Traveling allowances	50000	50000	17461
3	Contingencies	500000	500000	358326
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	500000	500000	358326
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory	-	-	-
J	Library	-	-	-
	<b>TOTAL (A)</b>	<b>1150000</b>	<b>1150000</b>	<b>975151</b>
<b>B.</b>	<b>Non-Recurring Contingencies</b>			
1	Equipment and furniture	-	-	-
2	Tractor with farm implements etc	600000	600000	596000
3	Works	-	-	-
4	Library (Purchase of assets like books & journals)			
	<b>TOTAL (B)</b>	<b>600000</b>	<b>600000</b>	<b>596000</b>
<b>C.</b>	<b>REVOLVING FUND</b>	0	0	0
<b>GRAND TOTAL (A+B+C)</b>		<b>1750000</b>	<b>1750000</b>	<b>1571151</b>

**6. Status of revolving fund**

Year	Opening balance as on 1 <sup>st</sup> April	Income during the year	Expenditure during the year	Net balance in hand as on 1 <sup>st</sup> April of each year
Sept -12 to March-13	100000	10970	000	110970

**7.0 PLEASE INCLUDE INFORMATION, WHICH HAS NOT BEEN REFLECTED ABOVE (WRITE IN DETAIL).**

**7.1 Constraints**

(a) **Administrative** : Administrative post are vacanrt

(b) **Fianacial** : Grant released on time (FLDs)

(c) **Technical** : SMS post are vacant

## ACTION PLAN

**(APRIL – 2013 TO MARCH – 2014)**

It is proposed to organize 51 batches of training programmes for farmers, farmwomen, rural youth and extension functionaries during period from April 2013 to March 2014.

### 1. Training Programmes:

#### 1. On Campus training (For practicing farmers, farm women and rural youth):

<b>I. Quarter (1<sup>st</sup> April to 30<sup>th</sup> June, 2013)</b>				
Crop production	– Integrated Nutrient Management	1	25	Farmers
	– Seed Production	1	25	Farmers
Plant protection	– Integrated Pest Management	1	25	Farmers
<b>II. Quarter (1<sup>st</sup> July to 30<sup>th</sup> Sept, 2013)</b>				
Plant Protection	– Management of mealy bug in cotton	1	25	Farmers
Crop Production	– Integrated weed management	1	25	Farmers
<b>III. Quarter (1<sup>st</sup> Oct to 31<sup>st</sup> Dec, 2013)</b>				
Crop production	– Production technology of rabi crops	1	25	Farmers
Soil science	– Nutrient use efficiency	1	25	Farmers
<b>IV. Quarter (1<sup>st</sup> Jan to 31<sup>st</sup> March, 2014)</b>				
Crop production	– Recycling of farm waste	1	25	Farmers
Horticulture	– Protective cultivation	1	25	Farmers
Plant protection	– Disease management in spices	1	25	Farmers

#### 2. Off Campus training (For practicing farmers, farm women and rural youth):

<b>I. Quarter (1<sup>st</sup> April to 30<sup>th</sup> June, 2013)</b>				
Crop production	– Integrated Nutrient Management	1	25	Farmers
	– Seed Production	1	25	Farmers
Soil science	– Soil fertility Management	1	25	Farmers
Plant protection	– Integrated Pest Management	1	25	Farmers
<b>II. Quarter (1<sup>st</sup> July to 30<sup>th</sup> Sept, 2013)</b>				
Plant Protection	– Integrated pest management in major kharif crops	1	25	Farmers
	– Bio control of pest and disease of cotton	1	25	Farmers
Crop Production	– Water management in kharif crops	1	25	Farmers
	– Integrated weed management			
<b>III. Quarter (1<sup>st</sup> Oct to 31<sup>st</sup> Dec, 2013)</b>				
Crop production	– Water management through MIS	1	25	Farmers
Soil science	– Nutrient use efficiency	1	25	Farmers
Plant protection	– Integrated pest management in oil seed crops	1	25	Farmers
<b>IV. Quarter (1<sup>st</sup> Jan to 31<sup>st</sup> March, 2013)</b>				
Crop production	– Recycling of farm waste	1	25	Farmers
Horticulture	– Protected cultivation	1	25	Farmers
Plant protection	– Disease management in spices	1	25	Farmers

**3.Vocational Training**

Sr. No.	Title of Training	Dura.Days	No. of parti	Type of Parti.
1	Production of vermi compost	1	25	Rural Youth
2	Preparation of compost pit	1	25	Farmers
3	Recycling of farm waste in to compost	1	25	Farmers

**4.Extension Functionaries**

Sr. No.	Title of Training	Dura.Days	No. of parti
1	Pre-seasonal training on kharif crops	1	25
2	Production technology in rabi crops	1	25

**5.Summary of training programme**

Sr. No.	Training Name	No. of Training
1	On Campus	10
2	Off Campus	13
3	Vocational Training	3
4	Extension Functionaries	2
5	Sponsored Training	10
Total		43

**6. Front Line Demonstration (Proposed)**

Sr. No.	Crop	Variety	Title	No. of Demons.	Area (ha)
<b>Oil seed &amp; Pulses</b>					
1	Chick pea	GG-3	Yield potentiality	10	4.0
<b>Other Crops</b>					
1	Wheat	GW-366	Yield potentiality	10	5
2	Cumin	Guj.Cumin-4	Yield potentiality	10	4
3	Cotton	Bt	-INM	10	4
<b>Component Demonstration</b>					
1.	Groundnut	Trichoderma	-Reduce infestation of stem rot	10	4
<b>Total</b>				<b>50</b>	<b>21.00</b>

**7. OFT**

Nil..

**8. Extension Activities:**

Sr. No.	Activities	Proposed No.
1	Kisan Mela	1
2	Field Day	5
3	Kisan Ghosthi	2
4	Radio Talk	As and when require
5	TV Show	As and when require
6	Film Show	5
8	Khedut shibir	15
9	Kisan mahila meeting	2
10	New paper Coverage	As and when require
11	Popular Articles	2
12	Extension Literature	8
13	Advisory Service	As and when require
14	Ex-Trainee Sammelan	2
15	Others- Seminar	4
17	Exhibition	2