

# ***ACTION PLAN 2011-12***

**(APRIL – 2011 TO MARCH – 2012 )**

**TO BE PRESENTED AT  
ANNUAL ACTION PLAN WORKSHOP OF KVKs OF GUJARAT**

**ORGANIZED BY  
DIRECTOR, ATARI ZONE-VI, ICAR, JODHPUR**

**PREPARED/COMPILED By  
*Dr. K. P. Baraiya, Senior Scientist & Head  
Smt. A. K. Baraiya, Scientist***



**KRISHI VIGYAN KENDRA  
JUNAGADH AGRICULTURAL UNIVERSITY  
JAMNAGAR - 361 006  
GUJARAT**



## ACTION PLAN

(APRIL – 2011 TO MARCH – 2012 )

It is proposed to organize 82 batches of training programmes for farmers, farmwomen, rural youth and extension functionaries during period from April 2010 to September 2010.

### 1. Training Programmes :

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

Subject	Title of Training	Dura Days	No.of Parti.	Type of Parti.
<b>I. Quarter : (1st April to 30th June, 2011)</b>				
Crop Production	– Weed management in Kharif crops	1	25	Farmers
Soil science	– Soil fertility management in major kharif crops	1	25	Farmers
Plant Protection	– Integrated pest/disease in major kharif crops	1	25	Farmers
	– Bio control of pest/disease management in vegetable crops	1	25	Farmers
Fisheries	– Integrated fish farming	1	25	Fishermen
Extension	– Formation and management of SHGs	1	25	Farmers
Horticulture	– Protective cultivation (Green house, net house )	1	25	Farmers
Home Science	– Value addition	1	25	Rural Girls
Agril. Engg.	– Processing of cereals crops	1	25	Farmers
<b>II. Quarter : (1st July to 30th September, 2011)</b>				
Crop production	– Package of practices of castor crops	1	25	Farmers
	– Weed management in standing crops	1	25	Farmers
Soil science	– Nutrient management in Kharif crops	1	25	Farmers
Plant protection	– Integrated pest management kharif major crops (G'nut, cotton, castor, sesamum)	1	25	Farmers
	– Bio control of pest and disease	1	25	Farmers
Fishries	– Ornamental fish	1	25	Farmers
Extension	– Capacity building of SHGs	1	25	Rural youth
Home science	– Women and child care	1	25	Farm Women
Horticulture	– Post harvest of horticultural crops	1	25	Farmers
Ag. Engi.	– Processing of pulses	1	25	Farmers
<b>III. Quarter (1<sup>st</sup> Oct to 31<sup>st</sup> Dec, 2011)</b>				
Crop Prod.	– Crop production technology in rabi crops	1	25	Farmers

Soil science	– INM in major rabi crops (Wheat, Gram, Cumin, coriander etc.	1	25	Farmers
Plant Protection	– Interated pest management in castor	1	25	Farmers
Fisheries	– Ornamental fish culture	1	25	Fish farmers
Ext.Education	– Entrepreneurial development of farm youth	1	25	Farm youth
Horticulture	– Prouction and management of potato	1	25	Farmers
Home Science	– Women and child care	1	25	Rural women
Agril. Engg.	– Processing of fruits and vegetables	1	25	Farmers
<b>IV. Quarter (1<sup>st</sup> Jan to 31<sup>st</sup> March, 2012)</b>				
Crop production	– Water management in rabi crops	1	25	Farmers
Soil science	– Nutrient management in standing crops	1	25	Farmers
Plant protection	– Bio control of pest and diseases	1	25	Farmers
Fishries	– Integrated fish farming	1	25	Fish Farmers
Extension	– Capacity building SHGs	1	25	Rural youth
Home science	– Health and hygine through nutritive food	1	25	Rural women
Horticulture	– Management practices in Ber and Guava	1	25	Farmers
Ag. Engi.	– Processing of spices and medicinal crops	1	25	Farmers

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

Subject	Title of Training	Dura Days	No.of parti.	Type of Parti.
<b>I. Quarter : (1st April to 30th June, 2011)</b>				
Crop Production	– Tillage and its importance	1	25	Farmers
	– Importance of organic farming	1	25	Farmers
Soil Science	– Role of micro nutrient			
Pl. Protection	– Integrated pest and disease management in major crops	1	25	Farmers
Horticulture	– Production technology vegetable crops	1	25	Farmers
Animal Science	– Care and management of Gir cow	1	25	Farmers
Fisheries	– Prawn farming	1	25	Fish farmer
Home Science	– Use of solar cooker	1	25	Farm women
Agril. Engg.	– Post harvest technology and its importance		25	Farmers

		1		
<b>II. Quarter : (1st July to 30th September, 2011)</b>				
Crop Production	– Water management in kharif crops	1	25	Farmers
	– Production technology of cotton	1	25	Farmers
Soil Science	– Soil fertility management in major crops			
Pl. Protection	– Management of pest in Kharif crops	1	25	Farmers
	– Management of diseases in Kharif crops	1	25	Farmers
Extension	– Group dynamics	1	25	Farmers
	– Capacity building of SHGs	1	25	Farmers
Animal Science	– Care and management of Gir cow	1	25	Farmers
Horticulture	– Different propagation methods for fruit crops suitable for arid and semi arid region	1	25	Farmers
Home Science	– Formation of SHGs	1	25	Farm Women
	– Preparation of jam, jelly and sarbat	1	25	Farm Women
Fisheries	– Composite fish culture	1	25	Fish farmer
Agril. Engg.	– Rain water harvesting and their efficient use for crop production	1	25	Farmers
<b>III. Quarter (1<sup>st</sup> Oct to 31<sup>st</sup> Dec, 2011)</b>				
Crop Production	– Production technology of rabi crops i.e. wheat, cumin, gram etc	1	25	Farmers
		1	25	Farmers
Soil Science	– Soil fertility management in rabi crops	1	25	Farmers
Pl. Protection	– Disease and pest management in cumin and gram	1	25	Farmers
	– Management of pest in rabi crops	1	25	Farmers
Horticulture	– Production technology in vegetables crops	1	25	Farmers
Animal Science	– Care and management in Gir cows	1	25	Farm women
Extension Education	– Capacity building of SHGs.	1	25	Rural youth
Fisheries	– Prawn Farming	1	25	Fish Farmers
	– Sea weed fertilizer	1	25	Fish Farmers
Home Science	– Gender mainstreaming through SHGs	1	25	Farmers
Agril. Engg.	– Value addition through processing of crops	1	25	Farmers
<b>IV. Quarter (1<sup>st</sup> Jan to 31<sup>st</sup> March, 2012)</b>				
Crop Production	– Grading and storage of produce	1	25	Farmers
	– Harvesting of major crops	1	25	Farmers
Soil Science	– Recycling of farm waste	1	25	Farmers
Pl. Protection	– Integrated pest management in gram	1	25	Farmers

	- Integrated disease management in cumin	1	25	Farmers
Extension	- Capacity building of SHGs	1	25	Rural youth
Animal Science	- Dairy farming	1	25	Farmers
Horticulture	- Management of young plant in orchard	1	25	Farmers
Home Science	- Rural craft for income generating activities	1	25	Rural women
Fishries	- Shrimp culture	1	25	Fish farmers
	- Integrated fish farming	1	25	Fish farmers
Agril. Engg.	- Efficient use of farm implements	1	25	Farmers

**C. Vocational Training:**

Sr. No.	Title of Training	Dura.Days	No. of parti	Type of Parti.
1.	- Preservation of vegetables and fruits	1	25	Rural Girls
2.	- Preservation of mango pulp	1	25	Farm women
3	- Production of varmi compost	1	25	Farmers
4.	- Preparation of compost pit	1	25	Rural Youth
5.	- Recycling of farm waste in to compost	1	25	Farmers

**D. Extension Functionaries:**

Sr. No.	Title of Training	Dura. Days	No. of parti.	Type of Parti.
1.	- Pre-seasonal training on kharif crops	1	20	Extension workers
2.	- Integrated Disease management in Kharif crops	1	20	Extension Workers
3.	- Production technology in rabi crops	1	20	Extension workers

**E.Training Programme : Quarter wise Summary :**

Sr. No.	Subject	On-Campus					Off-Campus					GT
		I Quater	II Quater	III Quater	IV Quater	Total	I Quater	II Quater	III Quater	IV Quater	Total	
1	Crop production/S oil Science	2	3	2	2	9	3	3	3	3	12	21
2	Plant Protection	2	2	1	1	6	1	2	2	2	7	13
3	Fishery	1	1	1	1	4	1	1	2	2	6	10
4	Extension Edu.	1	1	1	1	4	0	2	1	1	4	8
5	Horticulture	1	1	1	1	4	1	1	1	1	4	8
6	Home Science	1	1	1	1	4	1	2	1	1	5	9
7	Agri engineering	0	1	0	1	2	1	1	0	0	2	4
	Total	8	10	7	8	33	8	12	10	10	40	73

**F. Summary of Training programme :**

Sr. No.	Subject	On Campus	Off campus	Grant Total
		Total	Total	
1	Crop production/Soil Science	9	12	21
2	Plant Protection	6	7	13
3	Fishery	4	6	10
4	Extension Education	4	4	8
5	Horticulture	4	4	8
6	Home Science	4	5	9
7	Agri engineering	2	2	4
	<b>Total</b>	<b>33</b>	<b>40</b>	<b>73</b>
1	Vocational Training	5		3
2	Extension Functionaries	1	2	3
3	Sponsored Training	0	10	3
	<b>Total</b>	<b>39</b>	<b>52</b>	<b>82</b>

**2. Front Line Demonstrations (Proposed)**

Sr. No.	Crop	Variety	Title	No. of Demons.	Area (ha)
<b>FLD - Pulses</b>					
1	Green gram	G-4	To test yield potentiality of green gram	10	4.0
2	Chick pea	GG-3	To test yield potentiality of gram	15	6.0
<b>Other Crops</b>					
1	Wheat	GW-366	To test yield potentiality	20	10
2	Cumin	Guj.Cumin-4	To test yield potentiality	10	4
3	Pearl millet	GHB-744	To test yield potentiality of pearl millet	20	8
4	Cotton	INM & IPM	-	25	10
<b>Component Demonstration</b>					
1.	Groundnut	Triechoderm a	-Reduce infestation of stem rot	5	2
2.	Groundnut	NPV	- Reduce pest attack	5	2
3.	Vermi composting	-	-	5	5
4.	Farm implement	-	-	5	5
5.	Rotavator	-	-	10	10
6.	Aeroblast sprayer	-	-	15	15
<b>Total</b>				<b>145</b>	<b>81.00</b>

---

### 3. ON FARM TESTING (OFTs)

#### OFT- 1

**Title :** Time of thinning in pearl millet

**Objective:** To increase yield potentiality

**Treatments :**

1. Control (No thinning)
2. 15 to 20 DAS
3. 25 to 30 DAS

#### OFT-2

**Title :** Application methods of Trichoderma against stem rot disease in groundnut

**Objective :** Application method of biological control agent Trichoderma for managing the disease problem in groundnut.

**Treatments :**

1. Mix Trichoderma @ 2.5 kg /ha with 50 kg fine sand or organic manure and soil application in side the groundnut row at 30 days after sowing in moist condition (General Recommendation- Farmers Methods)
2. Mixing Trichoderma @ 2.5 kg/ha with castor cake @ 500 kg/ha at the time of sowing with the help of multi purpose seed drill . (Recommended Practice by JAU).
3. Trichoderma @ 2.5 kg/ha along with compost or castor cake 50 kg/ha at the time of after Sowing

#### OFT-3

**Title :** Management of sucking pests in cotton.

**Objective:** To minimize the sucking pest in cotton.

**Treatments :**

1. New insecticide use (Farmers practice)
2. Use of new, old and bio control agent (Recommended practice)
3. Alternate treatment one and two

#### OFT- 4

**Title :** Management of Anemia in adolescent girls.

**Objective:** Improving the hemoglobin percentage in rural adolescent girls

**Treatments :**

1. Control: Existing dietary pattern
2. Iron rich nutritional diet (sprouted Bengal gram 50 gm/day per individual in 2 equal doses0 with existing dietary pattern
3. Iron rich nutritional diet (sprouted Bengal gram 50 gm/day per individual in 2 equal doses0 + 25 gram of jiggery) with existing dietary pattern

**No. of replications :** 10 girls

**4. Extension Activities:**

<b>Sr. No.</b>	<b>Activities</b>	<b>Proposed No.</b>
1	Kisan Mela	1
2	Field Day	15
3	Kisan Ghosthi	8
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	12
13	Advisory Service	As and when require
14	Ex-Trainee Sammelan	2
15	Others- Seminar	7
17	Exhibition	2