

**Krishi Vigyan Kendra
Junagadh Agricultural University
Khapat- Porbandar**

Annual Action Plan : 2012 – 2013

**1. Training Programmes:
Quarter wise Summary of Trainings**

Discipline	On Campus				Total	Off campus				Total	Grand Total
	I	II	III	IV		I	II	III	IV		
Crop production	1	1	2	1	5	2	2	3	2	9	14
Horticulture	1	2	1	1	5	2	2	2	2	8	13
Plant protection	1	1	1	2	5	2	2	2	2	8	13
Ag. Eng.	2	1	2	1	6	2	2	2	3	9	15
Home Sci.	1	2	1	2	6	3	2	2	3	10	16
Fisheries	1	1	1	2	5	2	2	3	3	10	15
Animal Husbandry	-	-	1	-	1	-	-	1	-	1	2
All Discipline (For Ext. Func.)	1	-	2	-	3	-	-	-	-	-	3
Total	7	8	11	9	36	13	12	15	15	55	91

**A. On Campus Training Programs
For Farmers, Farm women and Rural youth**

Quarter-I (April to June-12)				
Subject	Title of Training	No. of Days	No. of Parti.	Type of Parti.
Crop Production	• Production Technologies & Seed production of major kharif crops	3	25	Farmers
Horticulture	• Protective cultivation (Green Houses, Shade Net etc.)	3	25	Farmers
Plan Protection	• Bio controls & its importance	3	25	Farmers
Agril. Engineering	• Ground water recharge techniques	3	25	Farmers
Home Science	• Culinary preparation from Mango	3	25	Farm Women
Fisheries	• Carp breeding and hatchery management	3	25	Fisherman
Quarter-II (July to September-12)				
Crop Production	• Integrated Farming system	3	25	Farmers
Horticulture	• Nursery management in vegetable crops	3	25	Farmers
Plant Protection	• IPDM in major Kharif crops	3	25	Farmers
Agril. Engineering	• Rain water Management	3	25	Farmers
Home Science	• Preparation of bakery products	3	25	Farm women
Fisheries	• Carp fry, fingerling and grow out rearing	3	25	Fisherman
Quarter-III (October to December-12)				
Crop Production	• Production Technology for Rabi crops	3	25	Farmers
Horticulture	• Off seasonal vegetables	3	25	Farmers
Plant Protection	• Aflatoxin & storage pest Management in groundnut	3	25	Farmers
Agril. Engineering	• Post harvest Technology and value addition	3	25	Farmers
Home Science	• Culinary preparation from groundnut	3	25	Farm women
Fisheries	• Hatchery management & cultivation of fresh water prawn	3	25	Fisherman
Animal Husbandry	• Hygienic milk production	1	25	Farmers

Quarter-IV (January to March-13)				
Crop Production	<ul style="list-style-type: none"> • Importance of soil analysis and soil sampling techniques 	3	25	Farmers
Horticulture	<ul style="list-style-type: none"> • Cultivation of fruit & vegetable crops 	3	25	Farmers
Plant Protection	<ul style="list-style-type: none"> • IPDM in vegetable crops 	3	25	Farmers
Agril. Engineering	<ul style="list-style-type: none"> • Installation and maintenance of micro irrigation systems 	3	25	Rural youth
Home Science	<ul style="list-style-type: none"> • Income generation activities for empowerment of rural Women 	3	25	Farm women
Fisheries	<ul style="list-style-type: none"> • Mericulture practices- Pen & cage cultures 	3	25	Fisherman

B. Off Campus Training Programs

For Farmers, Farm women and Rural youth

Quarter-I (April to June-12)				
Subject	Title of Training	No of Training	No. of Parti.	Type of Parti.
Crop Production	<ul style="list-style-type: none"> • Production technology for Kharif crops 	1	25	Farmers
	<ul style="list-style-type: none"> • Integrated nutrient management in kharif crops 	1	25	Farmers
Horticulture	<ul style="list-style-type: none"> • Layout and Management of Orchards 	1	25	Farmers
	<ul style="list-style-type: none"> • Importance of floriculture 	1	25	Farmers
Plan Protection	<ul style="list-style-type: none"> • Stem/collar rot management in groundnut 	1	25	Farmers
	<ul style="list-style-type: none"> • Seed treatment in major kharif crops 	1	25	Farmers
Agril. Engineering	<ul style="list-style-type: none"> • Irrigation water management 	1	25	Farmers
	<ul style="list-style-type: none"> • Ground water recharge techniques 	1	25	Farmers
Home Science	<ul style="list-style-type: none"> • Nutritional requirements for pregnant and lactating women 	1	25	RY
	<ul style="list-style-type: none"> • Preparation of traditional Indian embroidery 	1	25	RY
	<ul style="list-style-type: none"> • Value addition in Agriculture product 	1	25	RY
Fisheries	<ul style="list-style-type: none"> • Shrimp farming 	1	25	Fisherman
	<ul style="list-style-type: none"> • Culture of fresh water prawn- Scampi 	1	25	Fisherman

Quarter-II (July to Sept.-12)				
Crop Production	<ul style="list-style-type: none"> • Crop Diversification • Weed Management in major Kharif crops 	1	25	Farmers
		1	25	Farmers
Horticulture	<ul style="list-style-type: none"> • Advanced Technology for Vegetables • Nursery raising 	1	25	Farmers
		1	25	RY
Plant Protection	<ul style="list-style-type: none"> • Integrated pest & disease management in kharif crops 	2	50	Farmers
Agril. Engineering	<ul style="list-style-type: none"> • Farm mechanization • Renewable energy sources 	1	25	Farmers
		1	25	Farmers
Home Science	<ul style="list-style-type: none"> • Drudgery reducing technologies for farm women in agriculture • Use of sprouted pulses in preparation of low cost nutrition diet. 	1	25	FW
		1	25	FW
Fisheries	<ul style="list-style-type: none"> • Potable plastic carp hatchery • Integrated fish farming 	1	25	Fisherman
		1	25	Fisherman
Quarter-III (October to December-12)				
Crop Production	<ul style="list-style-type: none"> • Production Technology of rabi crops • Seed production Tech. of major rabi crops • INM in major rabi crops 	1	25	Farmers
		1	25	Farmers
		1	25	Farmers
Horticulture	<ul style="list-style-type: none"> • Nursery Management • Rejuvenation of old orchards 	1	25	RY
		1	25	Farmers
Plant Protection	<ul style="list-style-type: none"> • IPDM in major rabi crops • <i>Aflatoxin</i> & Storage pest management in groundnut 	1	25	Farmers
		1	25	Farmers
Agril. Engineering	<ul style="list-style-type: none"> • Renewable sources of energy for rural sector • Post Harvest Technology 	1	25	Farmers
		1	25	RY
Home Science	<ul style="list-style-type: none"> • Household food security by kitchen gardening and nutrition gardening • Value addition in aonla 	1	25	FW
		1	25	RY
Fisheries	<ul style="list-style-type: none"> • Shrimp farming-tiger shrimp • Seaweed cultivation • culture of freshwater prawn 	1	25	Fisherman
		1	25	RY
		1	25	Fisherman
Animal Husbandry	<ul style="list-style-type: none"> • Balanced nutrition in milch animals 	1	25	Farmers

Quarter-IV (January to March-13)					
Crop Production	• Micronutrient management	1	25	Farmers	
	• Soil sampling techniques	1	25	Farmers	
Horticulture	• Cultivation under controlled environment	1	25	Farmers	
	• Plant propagation techniques	1	25	Rural Youth	
Plant Protection	• Natural enemies of pest	1	25	Rural youth	
	• Integrated pest management in vegetables	1	25	Farmers	
Agril. Engineering	• Post harvest technology	1	25	Rural Youth	
	• Biomass recycling & industrial use	1	25	Farmers	
	• MIS-A boon for farmers	1	25	Farmers	
Home Science	• Consumer awareness	1	25	FW	
	• Different methods of cooking	1	25	FW	
	• Nutritional Education	1	25	FW	
Fisheries	• Shrimp hatchery management	1	25	Fisherman	
	• Fish processing & value addition	1	25	Fisherman	
	• Edible oyster farming	1	25	RY	

C. Vocational Training Programme:

Sr. No.	Title of Training	Duration Days	No. of Parti.	Type of Parti.	Schedule quarter
1	Small scale processing and value addition	3	25	Rural youth	III
2	Production of organic inputs	3	25	Rural youth	III
3	Self preparation of bio pesticides	3	25	Rural youth	IV
4	Plant propagation techniques	3	25	Rural youth	II
5	Preparation of bakery products	3	25	Rural youth	II
6	Preparation of handicrafts	3	25	Rural youth	III
7	Sea weed aquaculture	3	25	Rural youth	IV
8	Repair and maintenance of Agril. machineries	3	25	Rural youth	I

D Training Programme Extension Functionaries:

Sr. No.	Title of Training	Duration Days	No. of Parti.	Schedule quarter
1	Integrated crop management of major kharif crops	3	25	I
2	Integrated crop management of major rabi crops	3	25	III
3	Integrated pest & disease management in major crops	3	25	III

1. Front Line Demonstrations:

Physical targets of FLDs (Proposed)

Name of the crop/enterprise	Season	Name Technology to be demonstrated	Variety	Area in ha.).No. of units	No. of Demo.
Oilseeds	Kharif-2012	i INM in Groundnut ii Imp. Var. Castor	INM GCH-7/ GC-3	10 4	20 10
	Summer 2012	Sesame (Imp. Variety)	GT-3	4	10
Pulses	Rabi 2012-13	Gram (Imp. Variety)	GG-3	8	20
Cereals	Rabi 2012-13	INM in Wheat	GW-366/496	10	20
Seed spices	Rabi 2012-13	i. IDM in Cumin	GC-4	8	20
		ii. Coriander (Imp. Variety)	GC-2	4	10
Commercial crops	Kharif 2012	Cotton INM with full package	Bt. Variety	10	25
Bio-agents	Kharif 12	i. Groundnut (Trichoderma)	GG-20	4	10
	Rabi 12-13	ii. Gram (NPV)	GG-2/3	4	10
Livestock	-	Mineral mixture block	-	25	25
Fisheries	-	Seaweed cultivation using Bamboo Raft	Seaweed Spp.	10	10
Soil water conservation	-	Cumin	Broad Bed Furrow	4	8
Farm implements	-	-	Shredder	10	2
Home Science	-	-	Solar cooker	10	10
Any other (Pl. Specify	-	-	-	-	-

2. On-Farm Testing.

A. On going

OFT: 1 Management of Anemia in adolescent girls

Treatments:

1. Existing Dietary pattern (Control)
2. Iron & Folic acid tables from PHC
3. Dietary iron concentrate (Pulses)

OFT: 2 Integrated Management of sucking pest in Bt. cotton

Treatments:

1. **Farmer's practice** - Higher doses of new chemical pesticides
2. **Recommended practice** - Dimethioate 10ml/10 lit of water or Imidachloprid 7.5 ml/10 lit of water or Profenophos 16 ml/10 lit of water
3. **Intervention** - Alternate spraying of recommended pesticides + *Verticillium lecanii* @ 30 g/10 lit of water + Neem oil (1500 ppm) @ 30 ml/10 lit of water

OFT: 3 Effect of seed treatment on wilt in chickpea

Treatments:

1. **Farmer's practice** - No seed treatment
2. **Recommended practice** Seed treatment with Carbendazime @ 3g/kg seed
3. **Intervention** – Seed treatment with *Trichoderma* @ 8 g/kg seed + vitavax (Carboxin) @ 3g/kg seed

OFT: 4 Effect of Bio fertilizers on wheat yield.

Treatments:

1. **Farmer's practice** - Application of only DAP & Urea in different doses
2. **Recommended practice** - 120-60-0 NPK kg/ha
3. **Intervention** - Seed treatment with Azatobacter & PSB culture (250g/10kg seed) + 75% of RDF

OFT: 5 Effect of mulching in summer sesame

Treatments:

1. **Farmer's practice** - No mulch
Technology to be assessed
2. Black plastic mulch (30 micron)
3. organic mulching (wheat straw/groundnut shell)

OFT: 6 Effect of sulphur on onion production

Treatments:

1. **Farmer's practice** - No use of sulphur
2. **Recommended practice** – RDF + 20 kg sulphur/ha through gypsum at the time of sowing or elemental sulphur 20-25 DATP
3. **Intervention** – RDF + 20kg sulphur/ha (readily available in the market) at the time of sowing

4. Other Extension Activities:

Sr. No.	Activity	Proposed Number
1.	Kisan Mela	1
2	Field day	15
3.	Kisan Gosthi	30
4	Radio / TV Talks	10
5	TV Show	5
6	Film show	-
7.	Exhibition	5
8	News Paper Coverage	12
9	Popular Article	6
10	Extension Literature (No.)	
	i) Folders / Pamphlets	6
	ii) Slides	-
	iii) Video film show	5
11	Advisory Service	2
13.	Diagnostic service	
	i) Farmers visit to K.V.K	500
	ii) Scientist visit to farmers Field	400
14.	Communication media	
	i) Subscriber of <i>krushigovidhya</i> Magazine	200