ACTION PLAN
(April- 2013 to March-2014)
K.V.K., JAU, AMRELI

The KVK is a Innovative technological information centre for the development of farming community. The KVK carry out various activities as per objectives and mandates. i.e organizing on campus and off campus short and long term vocational training programmes in agriculture and allied vocational for the farmers, rural youth and farm women with emphasis on " Learning by doing". Organize training to update the extension personal with emerging advances in agricultural research. Gaps to generate production data and feedback will be conducting OFT for identification of specific location technologies. The above activities of KVKs will be organized in details for April, 2013 to March, 2014 is as narrated as under.

1. Training programmes:

The training programmes on various aspects related to Agricultural technology based on thrust areas will be organized during the quarter wise April, 2013 to March, 2014. Details of training programmes are as under.

A. On campus Training Courses:

Subject	Title of training	Durati-on (days)	No. of particip ants	Type of partici-pants
I Quarter April 2013 to June 2013				
Crop Production	Production technology of cotton	1	35	PF
Plant Protection	Biological controls in Kharif crops	1	35	PF
Home Science	Preparation of mango pulp	1	35	FW
	Preparation of Protein and Energy rich diet	1	35	FW
Horticulture	Production technology of chilly	1	35	PF
Extension Education	Update knowledge level of farmer on major Kharif crop	1	35	PF
	Organizing effective frontline Demonstration	1	35	PF
Agril Engineering	Installation and maintenance of Drip irrigation	1	35	PF
	Use of Plastics in Agriculture	1	35	PF
II. Quarter July 2013 to September 2013				
Crop Production	Production of castor	1	35	PF
Plant Protection	IPM and IDM in Vegetable crops	1	35	PF
Home Science	Different types of Painting on glass and clothes	1	35	FW
Horticulture	Post harvest technology of mango	1	35	PF
	Planning for kharif vegetable crops	1	35	PF

Extension Education	Update knowledge level of farmer on processing major Kharif crop	1	35	PF
Agriculture Engineering	Small scale processing and value addition	1	35	PF
III. Quarter October 2013 to December 2013				
Home Science	Preservation of pickles	1	35	FW
Horticulture	Production technology of spices crops	1	35	PF
	Organic farming	1	35	PF
Extension Education	Youth Development through update knowledge on major Rabi crop	1	35	PF
Agriculture Engineering	Training on rotavator and Cotton shredder	1	35	PF
IV. Quarter January 2014 to March 2014				
Home Science	Value addition in food grains	1	35	FW
	Preparation of different products from Aonla	1	35	FW
Horticulture	Net house technology	1	35	PF
Extension Education	Youth Development through update knowledge on major Summer crop	1	35	PF
	Organizing effective frontline Demonstration	1	35	PF
Agriculture Engineering	Bio compost of Farm waste	1	35	PF
	Efficient use of water in different irrigation system	1	35	PF

PF: Practicing farmer, FW: Farm women

B. ON/OFF Campus Training Programme for Rural youth

Subject	Title of training	Duration (days)	No. of particpants	Type of participants
Home Science	Preparation of different types of Bakery products	1	25	RG
Horticulture	Net house technology	1	25	RY
Extension Education	Bank loans for field crops/crop insurance	1	25	RY
Agril Engineering	Water shed management	1	25	RY
	Total	**4**	**100**	

RY: Rural Youth, RG: Rural Girl

C. OFF Campus Training Programme Courses

Subject	Title of training	Duration (days)	No. of partic-pants	Type of partici-pants
I. Quarter April 2013 to June 2013				
Crop production	Production technology of cotton	1	35	PF
Plant Protection	Plant protection in Cotton	1	35	PF
Home Science	Value addition in milk	1	35	FW
	Drudgery reduction technologies in household activities & agriculture	1	35	FW
Horticulture	Crops grown in net house in summer season	1	35	PF
	Nursery raising	1	35	PF
Extension Education	Bank loans for field crops/crop insurance	1	35	PF
	Income generation through Co-operative movement	1	35	PF
Agriculture Engineering	Use of Improved Farm Implements	1	35	PF
	Energy Conservation in Agriculture	1	35	PF
II. Quarter July-2013 to September- 2013				
Crop Production	Weed management	1	35	PF
Plant Protection	Plant protection in Groundnut	1	35	PF
Home Science	Minimization of nutrient loss in processing	1	35	FW
	Awareness about vaccination in children	1	35	FW
Horticulture	Newly varieties of vegetable crops	1	35	PF
	Arid fruit technology	1	35	PF
Extension Education	Income generation through Co-operative movement	1	35	PF
	Youth Development	1	35	PF
Agril Engineering	Rain Water Harvesting	1	35	PF
	Efficient use of water in different irrigation system	1	35	PF
III. Quarter October- 2013 to December- 2013				
Home Science	Nutrient requirement for pregnant & lactating women	1	35	FW
	Safe storage of food grains	1	35	FW
Horticulture	Production technology of spices crops	1	35	PF
	Production technology of onion and garlic	1	35	PF
Extension Education	FIG formation	1	35	PF
	Update knowledge level of farmer about major Rabi crop	1	35	PF

Agril Engg.	Installation and maintenance of Drip irrigation	1	35	PF
	Post Harvest Technology	1	35	PF
IV. Quarter January- 2014 to March -2014				
Home Science	Adulteration in food stuffs	1	35	FW
	Awareness about daily requirement of nutrients	1	35	FW
Horticulture	Production technology of summer vegetable crops	1	35	PF
	Net house technology	1	35	PF
Extension Education	Update knowledge level of farmer about major Summer crop	1	35	PF
	Update knowledge level of farmer about major Summer crop	1	35	PF
Agril. Engg	Use of Improved Farm Implements	1	35	PF
	Energy Conservation in Agriculture	1	35	PF

D. Training Programme (Quarter wise summary):

Sr. No	Subject	On campus					Off campus					G.T
		I	II	III	IV	T	I	II	III	IV	T	
1	Crop production	1	1	0	0	2	1	1	0	0	2	4
2	Plant Protection	1	1	0	0	2	1	1	0	0	2	4
3	Home Science	2	1	1	2	6	2	2	2	2	8	14
4	Horticulture	1	2	1	2	6	2	2	2	2	8	14
5	Extension Education	2	1	1	2	6	2	2	2	2	8	14
6	Agriculture Engineering	2	1	1	2	6	2	2	2	2	8	14
Total		**9**	**7**	**4**	**8**	**26**	**10**	**10**	**8**	**8**	**34**	**64**

E. Vocational Training:

Sr. No	Title of training	Duration (days)	No of Partici.	Type of Participant
1	Different bakery products	3	25	Rural girls
2	Solar drying of food production and packaging	1	25	Rural Youth

F. In Service Training:

Sr. No	Title of training	Duration (days)	No of Parti.	Type of Participant
1	Pre-seasonal Training on *Kharif* crops	3	25	Ext.workers
2	Pre-seasonal Training on *rabi* crops	3	25	Ext.workers
3.	Child care and their development	1	25	Ext. workers (Anganwadi)

G. Sponsored Training:

Sr. No	Title of training	Duration (days)	No of Parti.	Type of participant
1	Organizing effective FLDs	1	25	ATMA SMS
2	Balance use of fertilizers	1	25	Farmers
3	Greenhouse Technology	1	25	Benificery of Horti. dept.
4	Importance of training	1	25	ATMA SMS
5	Importance of Kitchen Gardening	1	25	FW/RG
6	Improved Farm Implements	1	25	PF
7	Package of practices in Vegetable crops	1	25	SRTT, A'bad
8	Integrated Pest Management	1	25	SRTT, A'bad
	Total	**8**	**200**	

The 8 training courses will be organizing with the 200 participant's by the collaboration with the different agency like NGO and Agro dealer in different subjects.

H. Summary of Training Programmes:

Sr. No	Subject	On campus	Off Campus	Total
1	Crop Production	2	2	4
2	Plant Protection	2	2	4
3	Home Science	6	8	14
4	Horticulture	6	8	14
5	Extension Education	6	8	14
6	Agriculture Engineering	6	8	14
7	Vocational training	1	1	2
8	In service Training	2	1	3
9	Sponsored Training	4	4	8
	Total	**37**	**44**	**81**

During the year 2013-14, 37 On campus and 44 Off campus training programmes will be organised in different subjects for the Farming community by the KVK, Amreli.

I. Extension activity:

Sr.No	Activity	Proposed No.
1	Field day	18
2	Kisan Gosthi	24
3	Radio talk	As & when required
4	TV show	As & when required
5	Khedut shibir	12
6	News paper coverage	As & when required
7	Diagnostic service	As & when required
8	Advisory service	As & when required
9	Popular articles	3
10	Extension Literature	4
11	Celebration of Important day	1

J. Front Line Demonstration (Proposed)

Sr No	Crop/Input	Variety/Technology	Title	No of Demons.	Area (ha)
Kharif-2013					
1	Brinjal	JBGR-1	Yield potentiality	5	2
2	Maize	HQPM1	Yield potentiality	10	4
3	Soyabean	GS-3	Yield potentiality	10	4
4	Cotton	INM	Yield potentiality	10	4
			Total	**35**	**14**
Rabi - 2013-14					
1	Wheat	INM	Yield potentiality	20	8
2	Cumin	GC-4	Yield potentiality	10	4
3	Gram	GG-3	Yield potentiality	10	4
			Total	**40**	**16**
Summer-2014					
1	Sesame	GT-3	Yield potentiality	20	8
2	Groundnut	GJG-31	Yield potentiality	10	4
			Total	**30**	**12**
Farm implements/Enterprises					
1	Renewable Energy applications	Box type Solar Cooker	Energy conservation	20	
2	Agri. Engineering (Farm Machinery)	Tractor operated Boom Sprayer	Farm Mechanization	10	4

3	Agriculture Engineering(Farm Machinery)	Tractor operated Air assisted Blast Sprayer	Farm Mechanization	10	4
4	Papaya/Watermelon	Plastic Mulch	Moisture Conservation	5	0.5
				45	**8.5**
			GT	**150**	**50.5**

During the year 2013-14, it will be organized 150 FLD in 50.5 hectare for the Farming community by the KVK, Amreli.

K. ON FARM TESTING

OFT : 1 – Home Science :
Title :- Use of solar Cooker for cooking of Nontraditional cooking items
Items:-

1. Murbba,
2. sweet potato,
3. sweet corn,
4. Roasted and salted groundnut

Objective:-

(1) To improve quality of Prepared items
(2) To reduce drudgery of farm women
(3) To reduce time and fuel consumption

Treatment: - Item no. 1	**Treatment: - Item no. 2-4**	**No. of Replications: - 4**
(1) Preparation by traditional method (2) preparation by sunlight heat (3) preparation by solar cooker	(1) Preparation by traditional method (2) Preparation by roasting (3) Preparation by solar cooker	**Observations:-** (1) Time consumption (2) Fuel consumption (3) Movement (4) Cost saving (5) Organo lactic test a. Sweetness b. Texture c. Consistency d. Overall acceptance

OFT -2 – Agronomy

Title of technology: Effect of Nitrogen & Phosphorus to Cotton

Problem Dignosed/Defined: Non efficient use of Nitrogenous & Phosphatic fertilizers

Details of technologies selected for assessment/ refinement:

T1:(Farmers' practices)	23 kg N/ha + 57 kg P_2O_5/ha as a Basal dose and 115 kg N/ha in three split dose.
T2 :(Recommended Practice)	40 kg N/ha as a Basal dose and 120 kg N/ha in three split dose.
T3: (Refined practice)	Application of 26 kg N/ha as a Basal dose in the form of A.S. and 133 kg N/ha in five splits each at 20 days interval in the form of Urea.

Annexure I: Details of District

1	Total geographical area	7,36,500 ha
2	Total cultivable area	5,83,800 ha
3	Total area under forest	44,200 ha
4	Total irrigated area	110,900 ha
5	Average annual rainfall	580 mm
6	Soil type	Medium black
7	Total no. of villages	615 (8 Urban areas)
9	Total population	15,13,614 (Rural: 11,27,808 Urban: 3,85,806)
10	(a) Male	7,70,651
	(b) Female	7,42,963
	Literacy percentage	74.49 %
11	(a) Male	81.82 %
	(b) Female	66.97 %
	No. of Talukas	11
12	Major crop grown	Cereals: Wheat, Sorghum and Pearl millet
13		Pulses: Green gram, Black gram, chickpea
		Oilseeds: Groundnut, Sesame, Castor, Mustard,
	Live stocks	Total : 665737
		Bullock & Cows : 235900
		Buffaloes : 148300
		Goat : 125700
		Sheep 131300
		Others(Camel, Pig, etc) : 8900
		Commercial Dairy farms : 3000
		Poultry : 12637

Source: Statistical report, Jilla Panchayat, Amreli