

II. ACTION PLAN (April-14 to March-15)

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	1	1	4	2	1	2	1	6	10
2.	Pl. Protection	1	1	1	1	4	2	2	2	2	8	12
3.	Home Science	1	1	1	1	4	1	1	1	1	4	08
4.	Agril. Extension	2	1	2	1	6	2	3	1	1	7	13
5.	Animal Science	1	1	2	1	5	2	2	2	2	8	13
6.	Seed Production	2	0	2	1	5	2	0	2	1	5	10
7.	Horticulture	1	1	0	0	2	0	2	0	1	3	05
8.	Agril. Engineering	1	2	1	1	5	2	0	0	1	3	08
9.	Soil Science	0	1	0	1	2	1	1	0	1	3	05
10	Fisheries	0	0	1	1	2	0	1	1	0	2	04
	Total	10	09	11	09	39	14	13	11	11	49	88

Summary of Training Programme

Sr. No.	Subject	On campus	Off campus	Total
1	Training for F, FW & RY			
1.	Crop Production	4	6	10
2.	Pl. Protection	4	8	12
3.	Home science	4	4	08
4.	Agril. Extension	6	7	13
5.	Animal Science	5	8	13
6.	Seed Production	5	5	10
7.	Horticulture	2	3	05
8.	Agril. Engineering	5	3	08
9.	Soil Science	2	3	05
10.	Fisheries	2	2	04
	Total A	39	49	88
2	Vocational training	05	00	05
3	In-service Training	03	02	05
4	Collaborative / Sponsored	10	10	20
5	ATIC	08	09	17
	GRAND TOTAL	65	70	135

On Campus Training Programme:

Subject	Title of Training	Dura Days	Probable date	No. of parti.	Type of Parti.
I. Quarter : (1st April to 30th June, 2014)					
Crop Production	• Improved cultivation practices for Cotton and Sesame	1	29/04/14	25	F
Pl. Protection	• Seed Treatment in Kharif crops	1	30/05/14	25	FW
Home science	• Detergent powder, soap making and phenyl making at household level	1	–	25	FW
Agril. Extension	• Farm Management	1	30/05/14	25	RY
	• Govt. subsidy schemes in agriculture	1	03/06/14	25	RY
Animal Science	• Care and management of livestock during summer	1	27/05/14	25	FW
Seed Production	• Seeds production technique in Groundnut	1	09/05/14	25	F
	• Seeds production technique in Sesamum	1	16/06/14	25	F
Horticulture	• Cultivation of Tomato in Poly house	1	10/04/14	25	F
Agril Engg	• Use of Laser land leveler & Rotavator	1	25/04/14	25	RY
II. Quarter : (1st July to 30th September, 2014)					
Crop Production	• Castor production technology	1	09/07/14	25	F
Pl. Protection	• Biological & Chemical Control measures for pest and disease of Cotton & Sesamum	1	05/07/14	25	F
Home sci.	• Solar Cooker: Uses & Advantages	1	–	25	FW
Agril. Extension	• Group dynamics	1	02/07/14	25	F
Animal Science	• Importance and use of green fodder in milk production	1	05/08/14	25	F
Horticulture	• Cultivation of Capsicum in Poly house	1	19/07/14	25	F
Soil Science	• Balance fertilization & INM in Cotton	1	06/07/14	25	F
Agril Engg	• Micro irrigation systems	1	12/07/14	25	RY
	• Soil moisture conservation practices	1	15/07/14	25	RY

III. Quarter : (1st October to 31st December, 2014)					
Crop Production	• Improved cultivation practices for wheat & Gram	1	17/10/14	25	F
Pl. Protection	• Control measures for pest and disease in Cumin	1	22/10/14	25	F
Home science	• Value addition in fruits and vegetables	1	--	25	RY
Agril. Extension	• Effect of global warming and climatic changes in Agriculture	1	15/10/14	25	F
	• Formation & Management of SHGs	1	02/12/14	25	RY
Animal Science	• Importance of Artificial Insemination	1	01/10/14	25	RY
	• Foot & Mouth disease and its control	1	26/12/14	25	F
Seed Production	• Seeds production technique in Cumin & Wheat	1	07/11/14	25	RY
	• Seeds production technique in Onion	1	10/11/14	25	RY
Agril Engg	• Use of improved farm implements	1	25/10/14	25	F
Fisheries	• Value addition in Fish	1	17/10/14	25	RY
IV. Quarter : (1st January to 31st March, 2015)					
Crop Production	• Improved cultivation practices for Summer groundnut and Sesame	1	21/01/15	25	F
Pl. Protection	• Precaution while handling pesticides.	1	06/01/15	25	F
Home Sci.	• Rural craft for income generation	1	--	25	FW
Agril. Extension	• Entrepreneurial developments of farmer through secondary agriculture	1	07/01/15	25	F
Animal Science	• Balanced feeding of pregnant animal	1	27/02/15	25	F
Seed Production	• Seeds production technique in Summer Groundnut	1	20/02/15	25	F
Agril Engg	• Introduction and use of Chaff-Cutter	1	20/02/15	25	RY
Fisheries	• Fresh water prawn farming	1	19/02/15	25	RY
Soil Science	• Preparation of enriched compost	1	11/03/15	25	RY

Off Campus training Programme:

Subject	Title of Training	Dura Days	Probable date	No. of parti.	Type Of Parti.
I. Quarter : (1st April to 30th June, 2014)					
Crop Production	• Crop Production technology in kharif pulses & Gum guar	1	05/05/14	25	F
	• Integrated Nutrient Management in Cotton	1	26/05/14	25	F
Pl. Protection	• IPM in Cotton	1	09/06/14	25	F
	• Management of pest and disease of Sesam	1	23/06/14	25	F
Home science	• Preparation of Mango pickles, potato and banana wafers	1	–	25	FW
Agril. Extension	• Govt. subsidy schemes in agriculture	1	03/06/14	25	RY
	• Enterpreneurial development of farmers	1	28/06/14	25	RY
Animal Science	• Hemorrhagic Septicemia and its control	1	02/06/14	25	F
	• Importance of colostrums feeding in new born calves	1	13/06/14	25	F
Seed Production	• Seeds production technique in Sesamum	1	04/06/14	25	F
	• Seeds production technique in Groundnut	1	11/06/14	25	F
Agril Engg	• Rain water harvesting technology	1	20/06/14	25	RY
	• Use of Laser land leveler & Rotavator	1	25/06/14	25	RY
Soil Science	• Soil Sampling procedure	1	21/04/14	25	F
II. Quarter : (1st July to 30th September, 2014)					
Crop Production	• Improved cultivation practices for Cumin & Fennel	1	30/09/14	25	F
Pl. Protection	• Management of pest & diseases of Vegetables	1	09/07/14	25	F
	• IPM in Castor	1	25/08/14	25	F
Home science	• Awareness about vaccination in children & Nutrition education	1	–	25	FW
Agril. Extension	• Income generation activities for farmers through secondary agri.	1	01/07/14	25	F

	• Leadership development	1	12/08/14	25	RY
	• WTO & IPR issues	1	13/09/14	25	F
Animal Science	• Awareness about control of Mastitis in animal by audio visual aid	1	02/07/14	25	F
	• Infertility of cow & buffalo by infectious disease & its prevention	1	13/08/14	25	F
Horticulture	• Cultivation of tomato & capsicum in poly house	1	19/07/14	25	F
	• Raising of Seedlings of Vegetable crops	1	01/08/14	25	FW
Fisheries	• Value addition in Fish	1	06/08/14	25	RY
Soil science	• Soil reclamation	1	01/07/14	25	RY

III. Quarter : (1st October to 31st December, 2014)

Crop Production	• Integrated weed management in major rabi field crops	1	01/11/14	25	F
	• Efficient water management in major rabi field crops	1	20/11/14	25	F
Pl. Protection	• Seeds treatment in Rabi crops	1	11/11/14	25	FW
	• Control measures for pest and disease in Rabi crops	1	06/12/14	25	F
Home science	• Use of sprouted pulses and protein rich diet for low cost nutrition as well as supplementation	1	–	25	FW
Agril. Extension	• Group dynamics & mobilization of social capitals	1	15/10/14	25	RY
Animal Science	• Clean milk production by proper milking, watering & washing	1	16/10/14	25	FW
	• Fodder crop production technology	1	22/12/14	25	F
Seed Production	• Seeds production technique in Cumin	1	01/11/14	25	F
	• Seeds production technique in Wheat	1	13/11/14	25	F
Fisheries	• Fresh water prawn farming	1	20/10/14	25	RY

IV. Quarter : (1st January to 31st March, 2015)

Crop Production	• Production technology of summer Gum guar	1	11/02/15	25	F
Pl. Protection	• Honey bee- Rearing techniques	1	20/01/15	25	F
	• Importance of Natural enemies	1	10/02/15	25	F

Home science	• Value addition in Anola & Preparation of different bakery items	1	--	25	FW
Agril. Extension	• Government subsidy schemes in agriculture	1	03/01/15	25	F
Animal Science	• Nutritive deficiency in Infertility problem of Cow & Buffalo	1	12/01/15	25	F
	• Zoonotic disease & its preventive measure	1	17/02/15	25	F
Seed Production	• Seeds production technique in summer Groundnut & summer sesame	1	05/02/15	25	F
Horticulture	• Protected Cultivation	1	26/01/15	25	F
Agril Engg	• Uses of Improved farm implements	1	07/01/15	25	F
Soil Science	• Preparation of vermi compost & vermi wash	1	09/03/15	25	RY

Vocational Training Programme:

Sr. No.	Discipline	Title of Training	Dura. Days	Type of parti
1	Animal Science	• Poultry Rearing	2	RY
		• Goat Rearing	2	RY
2	Agril. Ext. / Agril Engg.	• Repair & Maintenance of Improved Farm Implements	2	RY
3	Plant Protection	• Honey Bee Rearing	2	RY
4	Home Science	• Value addition in vegetables	2	RY

Training for Extension Functionaries (In-service):

Sr. No.	Title of Training	Dura. Days	No. of parti.	Type of parti.
1.	Protected cultivation	1	25	Ext Workers
2.	Pre-seasonal training on <i>Kharif</i> crops	1	25	Ext Workers
3.	Pre-seasonal training on <i>Rabi</i> crops	1	25	Ext Workers
4.	Preventive measure and first aid treatment of important disease in dairy animals	1	25	Ext Workers
5.	Cotton production technology	1	25	Ext Workers

Sponsored Trainings / Collaborative training:

Sr. No.	Sponsored agency	No. of training
1.	ATMA	12
2.	RKVY	02
3.	NABARD	03
4.	NGOs	01
5.	DRDA	02

Physical Targets of FLD's to be conducted during 2014-15

Particulars of the FLD	Season	Crop	Component	Area (in ha)	No. of Demo.
Oilseeds	<i>Kharif</i>	Groundnut	Latest variety	4	10
		Sesamum	Latest variety, IPM	4	10
Pulses	<i>Kharif</i>	Green gram	Latest variety	4	10
	<i>Rabi</i>	Gram	Latest variety, IPM	4	10
Other Crops	<i>Rabi</i>	Cumin	Latest variety, IPM, IDM	8	20
		Wheat	Latest variety	8	20
	<i>Kharif</i>	Cotton	Latest variety, IPM, INM	10	25
Other Demonstrations					
• Trichoderma culture	<i>Kharif</i>	Groundnut		4	10
TOTAL FLDs				46	115

Physical Targets of OFT's to be conducted during 2014-15:

1. Assessment of sulphur in cumin

Objective	To increase the yield by different sources of Sulphur
Reason for low yield of Cumin	1. Lack of knowledge of Sulphur application. 2. Sulphur deficient soil of district (60% Area) 3. Unbalance fertilization.
Technical Intervention	Management of sulphur application in Cumin
Treatments	1. Farmers practice (Control) 2. Recommended dose of fertilizer (30-15-0 NPK kg/ha) through DAP & Urea 3. T-2 + 15 kg Sulphur through Gypsum 4. Recommended dose of fertilizer (30-15-0 NPK kg/ha) through Ammonium Sulphate & Single Super Phosphate.

2. Management of Mealy bug infestation in Cotton.

Objective	To minimize the incidence of mealy bug in cotton.
Reason for low yield of Cotton	1. Lack of knowledge about the use of particular pesticides. 2. No adoption of recommended practices. 3. Farmers follows instruction given by the local pesticides retailer.
Technical Intervention	Management of mealy bug in cotton.
Treatments	1. Farmers practice (Use of conventional insecticides after infestation) 2. Recommended practices: pre-sowing application of Methyl parathion 2% Dust, application of insecticides at the time of infestation & Recommended cultural practices. 3. Dusting of Methyl parathion 2% dust as & when required, application of bio-pesticides (Beaveria spp. or Verticillium spp.)

3. Chelated & Area Specific Mineral mixture for dairy buffaloes

Objective	To increase milk yield & regularity of heat
Reason	1. Low milk production & infertility problems in dairy buffalo
Technical Intervention	Enhancement of milk production with improve reproductive efficiency
Treatments	<ol style="list-style-type: none"> 1. Farmers practices (Control) 2. Buffalo fed with 50 gms/day mineral mixture supplementation (Reco.) 3. Buffalo fed with 50 gms/day chelated mineral mixture supplementation (Intervention-1) 4. Buffalo fed with 50 gms/day area specific mineral mixture supplementation (Intervention-2)
Parameters	<ol style="list-style-type: none"> 1 Milk yield 2 Postpartum estrus 3 No. of insemination for conception

4. Assessment of sulphur in Sesamum

Objective	To increase the yield by different sources of Sulphur
Reason for low yield of Cumin	<ol style="list-style-type: none"> 1. Lack of knowledge of Sulphur application. 2. Sulphur deficient soil of district (60% Area) 3. Unbalance fertilization.
Technical Intervention	Management of sulphur application in Sesamum
Treatments	<ol style="list-style-type: none"> 1. Farmers practice (Control) 2. Recommended dose of fertilizer (50-25-40 NPK kg/ha) through DAP & Urea+ 20 kg Sulphur through Gypsum 3. Recommended dose of fertilizer (50-25-40 NPK kg/ha) through Ammonium Sulphate & Single Super Phosphate.

5. Supplementary feeding for improving production performance of

lactating goat (does)

Objective	To increase milk production & weight gain in pre-weaned kid
Reason	low milk yield , poor weight gain in pre-weaned kids
Source of technology	Central Institute for research on Goat (CIRG) , Makhdoom
Treatments	<ol style="list-style-type: none"> 1. Grazing for 8 hours -Farmers practices (Control) 2. T1 + Concentrate feed 150 gms/day for 3 months 3. T1+ T2 + mineral mixture 10 gm/day + vitamin A,D,E - 2 ml weekly for 2 weeks
Parameters	Milk yield (litre) Pre-weaned weight in kid (kg)

6. Management of sucking pests in Cotton.

Objective	To minimize the incidence of sucking pests in cotton.
Reason for low yield of Cotton	<ol style="list-style-type: none"> 1. Lack of knowledge about the use of particular pesticides. 2. No adoption of recommended practices. 3. Farmers follows instruction given by the local pesticides retailer.
Technical Intervention	Management of sucking pests in cotton.
Treatments	<ol style="list-style-type: none"> 1. Farmers practice (Use of conventional insecticides after infestation) 2. Recommended practices Application of the systemic insecticide will be start at pest infestation occurred. (Acetamiprid: 20 SP @ 2 ml/10 litre of water or Imidacloprid: 200 SL @ 4 ml/10 litre or Cartep hydrochloride 50% S.P. @ 10ml/10 Litre of water at the time of infestation.) 3. <i>Beauveria bassiana</i> 5 gm/lit as & when required, application of bio-pesticides + Sticker 0.5 ml/lit of water

7. Varietal assessment of Sesamum Guj Til-4 in Surendranagar district

Objective	To increase yield of Sesamum
Source of technology	Agricultural Research Station, JAU, Amreli
Treatments	<ol style="list-style-type: none"> 1. Variety: Guj Til-2 OR Local 2. Variety: Guj Til-4
Parameters	Yield

Other Extension activities

Particulars	No.	Particulars	No.
Kisan mela	01	Film shows	30
Field day	20	Exhibition	01
Kisan gosthi	10	News paper coverage	06
Radio / TV talk	04	Popular articles	10
Advisory services	25	Kisan Mahila Meeting	02
Animal treatment camp	06	Celebration of important days / Week	04
Extension literature		Diagnostic services	
Folder / pamphlets	20	1. Farmers visit to KVK	As & when Required
Night Meeting	15	2. Scientists visit to farmers field	As & when Required

Seeds Production & Planting materials to be produced:

Sr. No.	Name of crop	Variety	Area (ha)	Type of produce	Quantity to be produced (Kg)
1	Ground Nut	GJG-22, GJG-31, GJG-9	12	Breeder / TF	12000
2	Sesamum	GT-4,3,2	02	Breeder / TF	1200
3	Bajara	--	01	Breeder	1000
4	Cumin	GC-4	02	TF	1400
5	Fruit Crop	--	03	--	--
	Name of crop	Variety	Seedlings (No)		
6	Brinjal	GAO-1, GJB-3	25000		
7	Tomato	GJT-1,3	10000		
8	Chilly	Vadhwani	10000		

Infrastructure needed:

Sr. No.	Particulars	Estimates (Rs.)
1.	Fencing Wall	40,00,000
2.	Laser land leveler	3,00,000
3.	Bore with submersible pump	6,00,000
4.	New Jeep	7,00,000
5.	Mini bus cum demonstration van	12,00,000
6.	Water storage structure (cement concrete)	20,00,000
	TOTAL	88,00,000

Budget Requirement: 2014-15

S N	Items/Head	Grant to be required
	A RECURRING CONTIGENCY	
1	Pay & Allowances	80,00,000
2	Traveling Allowances	3,00,000
3	Contingencies	15,00,000
a.	Stationary, Telephone, Postage and other expenditure on office running	
b.	POL, repair of vehicles, tractor and equipments	
c.	Meals/refreshments of trainees	
d.	Training materials	
e.	Frontline demonstration except oilseeds and pulses	
f.	On farm testing	
g.	Training of extension functionaries	
h.	Maintenance of building	
	TOTAL-A	98,00,000
	B NON-RECURRING CONTIGENCY	
1		88,00,000
	TOTAL-B	
	GRAND TOTAL	1,58,00,000