ACTION PLAN
(2011-12)

OF

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NANA-KANDHASAR

To be presented on 6th Scientific Advisory Committee Meeting

At

Krishi Vigyan Kendra
Dry Farming Research Station
Junagadh Agricultural University,
Nana-Kandhasar

ON

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II. ACTION PLAN (April-11 to March-12)

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	2	1	1	1	5	2	2	2	2	8	13
2.	Pl. Protection	1	1	1	1	4	2	2	2	2	8	12
3.	Home science	1	1	2	1	5	3	3	3	2	11	16
4.	Agril. Extension	2	1	2	2	7	2	3	3	3	11	18
5.	Animal Science	2	2	1	1	6	2	2	2	2	8	14
6.	Seed Production	1	2	2	1	6	2	2	2	1	7	13
7.	Seed production (Seed Village Pro.)	1	1	1	1	4	1	1	1	1	4	8
	Total	10	9	10	8	37	14	15	15	13	57	94

Summary of Training Programme

Sr. No.	Subject	On campus	Off campus	Total
1	Training for F, FW & RY			
1.	Crop Production	5	8	13
2.	Pl. Protection	4	8	12
3.	Home science	5	11	16
4.	Agril. Extension	7	11	18
5.	Animal Science	6	8	14
6.	Seed Production	6	7	13
	Total A	33	53	86
2	Vocational training			
	Home science	--	2	2
	Agril. Extension	--	1	1
	Total B	--	3	3
3	In-service Training			
	Agril. Extension	2	1	3
	Total C	2	1	3
	TOTAL (A+B+C)			
	SEED VILLAGE PROGRAMME	4	4	8
	GRAND TOTAL	39	61	100

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, 2011)					
Crop Production	• Improved cultivation practices for Cotton and Sesamum	1	04/05/11	25	F
	• Proper use of weedicides in field crops	1	07/06/11	25	F
Pl. Protection	• IPM in Groundnut	1	08/05/11	25	F
Home science	• Detergent powder, soap making and phenyl making at household level	1	27/4/11	25	FW
Agril. Extension	• Effect of global warming and climatic changes in Agriculture	1	12/05/11	25	RY
	• Govt. subsidy schemes in agriculture	1	08/06/11	25	RY
Animal Science	• Use of mineral mixture for balance feeding	1	18/04/11	25	FW
	• Care and management of animal during summer	1	25/05/11	25	F
Seed Production	• Pure seeds production technique in Sesamum	1	28/06/11	25	F
II. Quarter : (1st July to 30th September, 2011)					
Crop Production	• Castor production technology	1	15/07/11	25	F
Pl. Protection	• Control measures for pest and disease of kharif Pulses	1	22/08/11	25	F
Home science	• Work simplification for farm women in household activities and agri. Activities	1	24/08/11	25	FW
Agril. Extension	• Effect of global warming and climatic changes in Agriculture	1	07/07/11	25	F
Animal Science	• Care and management of livestock during monsoon	1	19/07/11	25	F
	• Importance and use of green fodder in milk production	1	05/08/11	25	F
Seed Production	• Pure seeds production technique in Sesamum	1	15/07/11	25	F
	• Pure seeds production technique in Groundnut	1	08/09/11	25	F

III. Quarter : (1st October to 31st December, 2011)					
Crop Production	• Improved cultivation practices for wheat & cumin	1	13/10/11	25	F
Pl. Protection	• Plant protection measures for pest and disease in cumin	1	27/10/11	25	F
Home science	• Value addition in fruits and vegetables	2	17/10/11	25	RY
	• Deferent methods of cooking by demonstrating recipe and its nutritional advantages and disadvantages	1	15/12/11	25	FW
Agril. Extension	• Effect of global warming and climatic changes in Agriculture	1	10/10/11	25	F
	• Government subsidy schemes in agriculture	1	05/12/11	25	RY
Animal Science	• Foot & Mouth disease and its control		28/11/11	25	F
Seed Production	• Pure seeds production technique in Cumin	1	02/11/11	25	RY
	• Pure seeds production technique in Wheat	1	03/11/11	25	RY
IV. Quarter : (1st January to 31st March, 2012)					
Crop Production	• Preparation of enriched Compost	1	26/02/12	25	F
Pl. Protection	• Importance of IPM	1	27/02/12	25	F
Home science	• Rural craft for income generating activities	1	13/02/12	25	FW
Agril. Extension	• Effect of global warming and climatic changes in Agriculture	1	02/01/12	25	F
	• Improved Farm implements and their use	1	17/02/12	25	RY
Animal Science	• Importance of Artificial insemination in animals	1	09/02/12	25	F
Seed Production	• Pure seeds production technique in summer Groundnut	1	04/02/12	25	F

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, 2011)					
Crop Production	• Soil sampling methods	1	22/04/11	25	F
	• Integrated Nutrient Management in major Kharif field crops	1	11/05/11	25	F
Pl. Protection	• IPM in Cotton	1	10/05/11	25	F
	• Management of pest and disease of Sesame	1	14/06/11	25	F
Home science	• Use of solar cooker	1	04/05/11	25	FW
	• Preparation of Mango pickles	2	30/05/11	25	FW
	• Preparation of potato and banana wafers	1	16/06/11	25	FW
Agril. Extension	• Effect of global warming and climatic changes in Agriculture	1	21/04/11	25	RY
	• Govt. subsidy schemes in agriculture	1	02/05/11	25	RY
	• Uses of Improved Farm implements.	1	15/05/11	25	RY
Animal Science	• Increase nutritive value of low quality roughages for milch animals	1	28/04/11	25	F
	• Care & management of buffalo during summer	1	16/05/11	25	F
Seed Production	• Pure seeds production technique in Sesamum	1	18/06/11	25	F
	• Pure seeds production technique in Groundnut	1	24/06/11	25	F
II. Quarter : (1st July to 30th September, 2011)					
Crop Production	• Importance of Thinning, Gap filling & maintenance of Plant population in major Kharif crops	1	08/07/11	25	F
	• Improved cultivation practices for Mustard & Gram	1	27/09/11	25	F
Pl. Protection	• IPM in Vegetables	1	12/07/11	25	F
	• IPM in Castor	1	17/08/11	25	F
Home science	• Awareness about vaccination in children and pregnant women	1	13/07/11	25	FW
	• Income generation by making pot and different painting on glass and dresses	2	11/08/11	25	RY

	• Nutrition education	1	15/09/11	25	FW
Agril. Extension	• Effect of global warming and climatic changes in Agriculture	1	01/07/11	25	F
	• Government subsidy schemes in agriculture	1	03/08/11	25	RY
	• Uses of Improved Farm implements.	1	14/08/11	25	F
Animal Science	• Haemarrohagic septicemia and its control	1	07/07/11	25	F
	• Bloat and its control	1	12/08/11	25	F
Seed Production	• Pure seeds production technique in Sesamum	1	22/07/11	25	F
	• Pure seeds production technique in Groundnut	1	18/07/11	25	F
III. Quarter : (1st October to 31st December, 2011)					
Crop Production	• Integrated weed management in major rabi field crops	1	10/11/11	25	F
	• Efficient water management in major rabi field crops	1	28/11/11	25	F
Pl. Protection	• Plant protection measures in Castor & Mustard crops	1	04/11/11	25	F
	• Control measures for pest and disease in Cumin and Wheat	1	12/12/11	25	F
Home science	• Adulteration in food	1	12/10/11	25	FW
	• Importance of kitchen gardening	1	20/10/11	25	FW
	• Use of sprouted pulses and protein rich diet for low cost nutrition as well as supplementation	1	21/12/11	25	FW
Agril. Extension	• Effect of global warming and climatic changes in Agriculture	1	11/10/11	25	F
	• Government subsidy schemes in agriculture	1	20/10/11	25	RY
	• Improved Farm implements and their use	1	8/11/11	25	F
Animal Science	• Importance of colostrum in calves	1	14/11/11	25	F
	• Care & management of Animals during winter	1	26/12/11	25	F
Seed Production	• Pure seeds production technique in Cumin	1	16/11/11	25	F
	• Pure seeds production technique in Wheat	1	25/12/11	25	F

IV. Quarter : (1st January to 31st March, 2012)					
Crop Production	• Production technology of summer Sesame and Groundnut	1	16/01/12	25	F
	• Organic residue & farm waste Management	1	13/03/12	25	F
Pl. Protection	• Efficient use of chemical pesticides	1	11/01/12	25	F
	• Precautions while handling pesticides	1	10/02/12	25	F
Home science	• Value addition in anola	2	19/01/12	25	RY
	• Preparation of different bakery items	1	07/03/12	25	FW
Agril. Extension	• Effect of global warming and climatic changes in Agriculture	1	01/01/12	25	F
	• Government subsidy schemes in agriculture	1	16/01/12	25	RY
	• Improved Farm implements and their use	1	30/01/12	25	RY
Animal Science	• Use of mineral mixture for balance feeding	1	10/01/12	25	F
	• Preventive measure and first Aid treatment of IMP disease in dairy animals	1	16/02/12	25	F
Seed Production	• Pure seeds production technique in summer Groundnut	1	15/02/12	25	F

Vocational Training Programme:

Sr. No.	Discipline	Title of Training	Dura. Days	Type of parti
3	Home science	• Preparation of Mango pickles and preservation of mango pulp	2	RY
		• Rice, urad papad, Khakhra and vadi making	2	FW
4	Agril. Extension	• Repair & Maintenance of Improved Farm Implements	2	RY

Training for Extension Functionaries (In-service):

Sr. No.	Title of Training	Dura. Days	No. of parti.	Type of parti.
1.	Cotton production technology	1	25	Ext Workers
2.	Pre-seasonal training on *Kharif* crops	1	25	Ext Workers
3.	Pre-seasonal training on *Rabi* crops	1	25	Ext Workers
4.	Nutrition Education and recipe for child to Anganwadi Worker	1	25	Anganwadi worker

Physical Targets of FLD's to be conducted during 2011-12

Particulars of the FLD	Season	Crop	Area (in ha)	No. of Demo.
Oilseeds	*Kharif*	Groundnut	4	10
		Sesamum	4	10
	Rabi	Mustard	4	10
Pulses	*Kharif*	Green gram	4	10
	Rabi	Gram	4	10
Other Crops	*Rabi*	Cumin	8	20
		Wheat	8	20
Other Demonstrations				
• Trichoderma culture	*Kharif*	Groundnut	2	05
• Cotton Mini-mission	*Kharif*	Cotton	10	25
• Demonstration on Cotton + soyabean intercropping	*Kharif*	Cotton + soyabean	1.5	03
		TOTAL FLDs	49.5	123

Physical Targets of OFT's to be conducted during 2010-11:

1. Low yield of cotton

Objective	To increase the yield by balance fertilization
Reason for low yield of Cotton	1. Unbalance fertilization. 2. Problems of sucking pest. 3. Lack of knowledge of fertilazation. 4. Less use of organic manure in soil.
Technical Intervention	Balance fertilization.
Treatments	1. Farmers practice 2. Recommended dose of fertilizer (160-0-0 NPK kg/ha) in four split. 3. T-2 + 50 kg P2O5 /ha through DAP + 50 kg K2O/ha through MOP as a basal dose. 4. T-3 + 25 kg MgSo4/ha + 10 kg ZnSo4/ha as a basal dose.

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. Reduction of Inter-Calving Period in Buffalo

Objective	To decrease the inter-calving period in Buffalo
Reason of long inter-calving period	1. Imbalance feeding 2. Anestrous 3. Poor management
Possible solutions	1. Use of mineral mixture 2. Use of capsule like Bio-Heat 3. Use of Panacure tablets

Treatments	1. Farmer's Practice (Control) 2. Panacure (1.5 gm) + Vetcominforte (1 Kg) 3. Bio-heat (1 No.) + Vetcominforte (1 Kg) 4. Panacure (1.5 gm) + Bio-heat (1 No.)

4. **Feeding of protein and energy rich diet to children to cure protein energy malnutrition in rural area (Age group – 1 to 3 yrs)**

Objective	**To cure malnutrition in rural child of age group of 1-3 years**
Reason for protein energy deficiency	1. Lack of knowledge. 2. Poor economic condition. 3. Lack of nutritional management.
Possible solutions	1. Use of milk and different milk product. 2. Use of cereal, pulse and fat mixture. 3. Use of sprouted pulses, cereals and fat mixture.
Treatments	1. Control without any extra food (Control) 2. Use a mixture of cereals (30 gm) + pulses (10 gm) + Ghee (5 gm) for second group of children (Age group – 1 to 3 years) 3. Use a mixture of cereals (30 gm) + sprouted pulses (10 gm) + Ghee (5 gm) for first group of children (Age group – 1 to 3 years

Other Extension activities

Particulars	**No.**	**Particulars**	**No.**
Kisan mela	01	Film shows	10
Field day	15	Exhibition	01
Kisan gosthi	05	News paper coverage	06
Radio / TV talk	04	Popular articles	10
Advisory services	12	Kisan Mahila Meeting	02
Animal treatment camp	06	Celebration of important days / Week	04
Extension literature		**Diagnostic services**	
1. Folder / pamphlets	06	1. Farmers visit to KVK	As & when Required
		2. Scientists visit to farmers field	As & when Required