Action plan (2009-2010)

ACTION PLAN (FROM OCTOBER – 2009 TO SEPTEMBER – 2010)

It is proposed to organize 83 batches of training programmes for farmers, farmwomen, rural youth and extension functionaries during period from October 2010 to September 2010.

A. Training Programmes :

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

Subject	*Title of Training*	*Dura Days*	*No.of Parti.*	*Type of Parti.*
I. Quarter : (1st October to 31st December, 2009)				
Crop Production	– Improved cultivation practices of major rabi crops	1	25	Farmers
Plant Protection	– Integrated insect-pest and disease management in Rabi crops	1	25	Farmers
Animal Science	– Clean milk Production – Important Cattle breeds, their characteristics & selection for Milk purpose	1 1	25 25	Farmers Farmers
Horticulture	- Nursery raising for fruits and vegetable crops	1	25	Farmers
Agril. Engg.	– Efficient utilization of irrigation water by improved irrigation techniques.	1	25	Farmers
Home Science	– Preparation and Preservation of Lemon – Use of sprouted Pulses in preparation of low cost nutritional Diet	1 1	25 25	Rural Women Rural Women
II. Quarter : (1st January to 31st March, 2010)				
Crop Production	– Irrigation and weed management in summer g'nut	1	25	Farmers
Plant Protection	– Integrated insect pest and disease management in Summer crops	1	25	Farmers
Animal Science	– Role of Minerals & Vitamin in Animal ration	1	25	Farmers
Horticulture	– Cultivation of important medicinal and aromatic plant	1	25	Farmers
Home Science	- Soybean –its importance in human diet and different preparations for high nutrient efficiency diet	1 1	25 25	Rural Girls Farm Women
Agril.Engg.	– Use of improved agricultural implements for improving production and productivity of dry lands	1	25	Farmers
III. Quarter : (1st April to 30th June, 2010)				
Crop Production	– Importance of soil analysis and method of soil sampling	1	25	Farmers
Plant Protection	– Use of bio-pesticides for the management of insect - pest	1	25	Farmers
Animal Science	– Importance of Artificial Insemination – Care and Management of Pregnant farm Animals	1 1	25 25	Farmers Farmers
Horticulture	– High-tech production technology of major arid fruit crops	1	25	Farmers
Home Science	– Use of solar cooker	1	25	Rural Girls
Agril. Engg.	– Efficient use of micro irrigation system	1	25	Farmers
IV. Quarter : (1st July to 30th September, 2010)				
Crop Production	– Fertilizer management in kharif crops	1	25	Farmers

	– Irrigation management in kharif crops	1	25	Farmers
Plant Protection	– Identification and management of insect-pest and disease management in Kharif crops	1	25	Farmers
Animal Science	– Training on green fodder production round the year	1	25	Farmers
Horticulture	– Grading, sorting and packing of fruits and vegetables	1	25	Farmers
Agril. Engg.	– Important technique of soil and moisture conservation in dry land	1	25	Farmers
Home Science	– Training for " Beti Bachavo"	1	25	Farm women

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

Subject	*Title of Training*	*Dura Days*	*No.of parti.*	*Type of Parti.*
I. Quarter : (1st October to 31st December, 2009)				
Crop Production	– Use of bio-fertilizers in major rabi cereals	1	25	Farmers
	– Production technology of cumin	1	25	Farmers
Plant Protection	– Control measures of insect and diseases in Rabi crops	1	25	Farmers
Animal Science	– Use of locally available feeding materials for animals	1	25	Farmers
	– Repeat breeding in buffaloes & cross bred cows.	1	25	Farmers
Horticulture	– Protected cultivation of vegetable crops	1	25	Farmers
	– Seedling raising and transplanting of important Rabi vegetables	1	25	Farmers
Agril. Engg.	– Rain water management for improving productivity of dry lands.	1	25	Farmers
	– Processing and preservation of food grains and seeds	1	25	Farmers
Home Science	– Vegetable pickle making (different types)	1	25	Farm women
	- Preparation of different Bakery items	2	25	Rural Girls
II. Quarter : (1st January to 31st March, 2010)				
Crop Production	– Production technology of summer sesamum	1	25	Farmers
	– water management in summer groundnut	1	25	Farmers
Pl. Protection	– Management of insect pest & diseases in summer crops Pest management in stored products	1	25	Farmers
Animal Science	– Scientific Dairy farming	1	25	Farmers
	– Quality improvement of roughages by Urea treatment	1	25	Farmers
Horticulture	– Cultivation Practices of important flower crops	1	25	Farmers
	– Improved cultivation practices of fruit crops	1	25	Farmers
Agril. Engg.	– Importance of non-conventional sources of energy	1	25	Farmers
	– Selection and maintenance of plant protection equipments	1	25	Farmers
Home Science	– Income generation through candle and bag making	1	25	Farm women
	– Preparation of Milk Products	1	25	Farm women
III. Quarter : (1st April to 30th June, 2010)				
Crop Production	– -Importance of organic farming	1	25	Farmers
Pl. Protection	– Use of biopesticides for the management of insect - pest	1	25	Farmers
Horticulture	– Green house production of planting materials	1	25	Farmers
	– Package of practices for improved chili cultivation	1	25	Farmers
Animal Science	– Care and Management of Cow and Buffalo during heat and Breeding	1	25	Farmers
	– Reduction of Inter calving period in buffalos	1	25	Farmers
Home Science	– Preparation of mango pickles and jam	1	25	Farm women
	– Drudgery reducing devices for farm women	1	25	Farm women
Agril. Engg.	– Rain water harvesting and their efficient use for crop production	1	25	Farmers
		1	25	Farmers

	– Selection, repair & maintenance of agricultural implements.			
IV. Quarter : (1st July to 30th September, 2010)				
Crop Production	– Production technology of cotton	1	25	Farmers
Pl. Protection	– Management of pest in Kharif crops – Management of diseases in Kharif crops	1 1	25 25	Farmers Farmers
Animal Science	– Control of Ecto & Endo parasite in Animals – Deworming castration and dehorning in the calves	1 1	25 25	Farmers Farmers
Horticulture	– Different propagation methods for fruit crops suitable for arid and semi arid region	1	25	Farmers
Home Science	– Preparation of SHG – Supplementary nutrition for child and pregnant women	1 1	25 25	Farm Women Farm Women
Agril. Engg.	– Dry land technology for increasing crop production – Selection & use of interculturing operational tools	1 1	25 25	Farmers Farmers

3. Vocational Training :

Sr. No.	*Title of Training*	*Dura.Days*	*No. of parti*	*Type of Parti.*
1.	-Preservation of vegetables and fruits	6	30	Rural Girls

4. I service Training:

Sr. No.	*Title of Training*	*Dura. Days*	*No. of parti.*	*Type of Parti.*
1.	– Scientific Dairy Farming	1	25	Extension Workers
2.	– Nutritional management of children & role of Anganwadi Workers	1	20	Anganwadi workers
3.	– Importance of micro nutrients in cotton	1	25	Extension Workers
4.	– Integrated Insect Pest management in Cotton	1	25	Extension Workers
5.	– Integrated Disease management in Cumin	1	25	Extension Workers

5. Sponsored/ Collaborative Training with Other Organizations :

Sr. No.	**Title of Training**	*Dura. Days*	*No. of parti.*	*Type of Parti.*
1.	– Breed Improvement of Cattle and Buffalo through A.I./ Natural services	1	25	Farmers
2.	– Loans/Subsidies for Dairy farm animals	1	25	Farmers
4.	– Vaccination in mothers and children	1	25	Farm Women
5.	– Post harvest management of groundnut	1	25	Farmers
6.	– Protected cultivation of vegetable crops	1	25	Farmers

A.Training Programme : Quarter wise Summary :

Sr. No.	*Subject*	*On Campus*					*Off Campus*					*G.T.*
		*1	2	3	4	T	1	2	3	4	T	
1.	Crop Production/ Soil Science	1	1	1	2	**5**	2	2	1	1	**6**	**11**
2.	Horticulture	1	1	1	1	**4**	2	2	2	1	**7**	**11**
3.	Pl. Protection	1	1	1	1	**4**	1	1	2	2	**6**	**10**
4.	Animal Science	2	1	2	1	**6**	2	2	2	2	**8**	**14**

5	Home science	2	1	1	1	**5**	2	2	2	2	**8**	**13**
6.	Agril. Engineering	1	1	1	1	**4**	2	2	2	2	**8**	**12**
	Total	**8**	**6**	**7**	**7**	**28**	**11**	**11**	**11**	**10**	**43**	**71**

T = Total , G.T. = Grand Total , * 1, 2, 3,4 = Quarter

A. *Summary of Training programme :*

Sr. No.	***Subject***	***On campus***	***Off campus***	***Total***
1.	Crop Production	5	6	11
2.	Horticulture	4	7	11
3.	Plant protection	4	6	10
4.	Animal Science	6	8	14
5.	Home science	5	8	13
6.	Agril. Engineering	4	8	12
	Total	**28**	**43**	**71**
1.	Vocational training	-	1	1
2.	In service training	4	1	5
3.	Sponsored Training	-	6	6
	Total	**32**	**51**	**83**

2. Front Line Demonstrations (Proposed)

Sr. No.	**Crop**	**Variety**	**Title**	**No. of Demons.**	**Area (ha)**
Oilseed					
1	Groundnut	GG-5	To test yield potentiality of groundnut	20	8.0
2	Sesamum	GT-2/3	To test yield potentiality of Sesamum	5	2.0
3	Groundnut (*Trichoderma*)	GG-20	To suppress stem rot disease in groundnut	10	4.0
FLD - Pulses					
1	Mung	G-4	To test yield potentiality of Mung	10	4.0
2	Black gram	GU-1	To test yield potentiality of black gram	10	4.0
3.	Gram	GG-1	To test yield potentiality of Gram	10	4.0
FLD Cereals					
1	Wheat	GW-366	To test yield potentiality of Wheat	10	4.0
Other ***Crops (Spices)***					
1	Cumin	GC-4	To test yield potentiality of Cumin	15	6.0
Other ***Crops***					
1	B.T. cotton	BG-II	INM & IPM in Cotton	75	30.0
FLD Other than crops					
1	Seasonal vegetables	-	Kitchen gardening	5	0.5
2	Animals	Mineral mixture powder	To balance the deficiency of minerals in Animal feed	10	-
Total				**180**	66.5

3. ON FARM TESTING (OFTs)

OFT-1

Title : Low yield of cotton

Objective : To increase the yield by balance fertilization

Treatments:

T_1. Farmer's practices

T_2. Recommended dose of fertilizer (160-0-0) in four split in which second split in form of Ammonium Sulphate

T_3. T_2 + 50 kg P_2O_5 ha^{-1} through DAP + 50 kg K_2O ha^{-1} through MOP as a basal dose.

T_4. T_3 + 25 kg $MgSO_4$ ha^{-1} + 10 kg $ZnSO_4$ as a basal dose.

OFT-2

Title : Reduction of Inter – Calving Period in Buffalo

Objective : To decrease the inter-calving period in buffalo

Treatments :

1. One group of Animals be fed with Panacure tablets + Bio-Heat tablets.
2. Second group of Dairy Animals be fed with Mineral Mixture.
3. Third group of Dairy Animals be fed with Mineral Mixture + Panacure tablets + Bio-Heat tablets.
4. Fourth group of Dairy Animals under control (Farmers Practice)

OFT-3

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. Soil drenching of *Trichoderma* @ 50 gm/10 litter of water using spray pump without nozzle. (Intervention)
4. Trichoderma @ 2.5 kg/ha along with compost or castor cake 50 kg/ha at the time of after Sowing

OFT-4

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-5

Title: Management of leaf roller in sesamum.

Objective: To minimize the incidence of leaf roller in sesamum.

Treatments:

1. Farmer practices
2. Recommended practices
   Insecticidal spray at ETL of 5 larvae / 20 plants.
3. Alternate spray of Endosulfan 0.07 % and monocrotophos 0.04 % at 30 and 45 DAS

OFT- 6

Title : Low yield in groundnut due to proper tillage practice

Objective: Soil moisture conservation through deep plowing up to 20 cm depth

Treatments :

1. Shallow plowing with 7-8 inter culturing (Farmers method)
2. Deep plowing with 2-4 inter culturing (Recommended Practice)
3. Medium deep ploughing with 4-5 times inter culturing (Intervention)

OFT- 7

Title : Soil moisture conservation in summer groundnut cultivation

Objective: To conserve soil moisture by mulching

Treatments :

1. Control (No mulch)
2. Degradable Plastic mulch
3. Wheat straw mulch
4. Groundnut shell mulch

OFT- 8

Title : Management of Anemia in adolescent girls.

Objective: Improving the hemoglobin percentage in rural adolescent girls

Treatments :

1. Iron & Folic acid tables from PHC
2. Dietary iron concentrate
3. Control

No. of replications : 10 girls

Observations:

1. Body weight (Kg)
2. Hemoglobin (%)

4. Extension Activities :

Sr. No.	Activity	Proposed No.
1	Kisan Mela	1
2	Field Day	10
3	Kisan Ghosthi	12
4	Radio Talk	As and when require
5	TV Show	As and when require
6	Film Show	12
7	Animal Health Camp	5
8	Khedut shibir	12
9	Kisan mahila meeting	3
10	New paper Coverage	As and when require
11	Popular Articles	10
12	Extension Literature	9
13	Advisory Service	As and when require
14	Ex-Trainee Sammelan	1
15	Others- Seminar	3
16	Pashu Mela	1
17	Exhibition	2