

Action plan (2012-2013)

(April – 2012 TO March– 2013)

It is proposed to organize 83 batches of training programmes for farmers, farm women, rural youth and extension functionaries during period from April 2012 to March 2013.

A. Training Programmes :

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

Subject	Title of Training	Dura. Days	Tentative Date	No.of Parti.	Type of Parti.
1	2	3	4	5	6
I. Quarter : (1st April to 30th June, 2012)					
Crop Production	- Fertilizer management in cotton and groundnut	2	5/6/12	25	Farmers
Plant Protection	- Importance of seed treatment for the pest and diseases management.	2	31/5/12	25	Farmers & Farm Women
Animal Science	- Quality improvement of roughages by Urea treatment	2	20/4/12	25	Farmers
Horticulture	- Improved cultivation practices of cucurbitaceous vegetables during summer.	2	21/4/12	25	Farmers
Agril. Engg.	- Important technique of soil and water conservation in dry farming	2	15/5/12	25	Farmers
Home Science	- Squash making from fruits.	2	11/5/12	25	Farm Women
	- Preparation of milk products.	2	25/4/12	25	Farm Women
II. Quarter : (1st July to 30th September, 2012)					
Crop Production	- Role of intercropping under rainfed farming	2	21/7/12	25	Farmers
Plant Protection	- Integrated sucking pest management in Bt. cotton	2	23/8/12	25	Farmers
Animal Science	- Management of reproductive disorders in animal	2	12/7/12	25	Farmers
Horticulture	- Different propagation methods for fruit crops suitable for arid and semi arid region.	2	11/7/12	25	Farmers
Agril.Engg.	- Use of improved small farm implements in agriculture	2	25/7/12	25	Farmers
Home Science	- Use of sprouted pulses in preparation of low cost nutrition diet.	2	7/7/12	25	Farm women
III. Quarter : (1st October to 31st December, 2012)					
Crop Production	- Management of fertilizer in wheat and gram	2	4/10/12	25	Farmers
Plant Protection	- Pest & disease management in <i>Rabi</i> crops.	2	21/11/12	25	Farmers
Animal Science	- Minimizing the mortality of buffalo calves during winter season	2	19/10/12	25	Farmers
Horticulture	- Production technology of <i>rabi</i> vegetables.	2	3/12/12	25	Farmers
Agril. Engg.	- Efficient use of micro irrigation system	2	18/10/12	25	Farmers
Home Science	- Preparation of bakery products.	2	11/10/12	25	Farm women
IV. Quarter : (1st January to 31st March, 2013)					
Crop Production	- Production technologies for summer groundnut & sesamum	2	20/1/13	25	Farmers
Plant Protection	- Management of insect pests and diseases in summer crops.	2	10/1/13	25	Farmers
Animal Science	- Optimizing reproductive efficiency & to reduce age of 1st calving (AFC)	2	27/1/13	25	Farmers

Horticulture	- Improved cultivation practices of summer vegetables.	2	12/3/13	25	Farmers
Agril. Engg.	- Use of cotton stalk shredder, rotavator and mobile chopper for recycling of farm waste	2	24/1/13	25	Farmers
Home Science	- Home level processing of tomato	2	11/1/13	25	Farm women
	- Value addition in anola.	2	12/2/13	25	Farm women

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

Subject	Title of Training	Dura Days	Tentative Date	No. of parti.	Type of Parti.
1	2	3	4	5	6
I. Quarter : (1st April to 30th June, 2012)					
Crop Production	- Importance of soil sample and its methodology	1	27/4/12	25	Farmers
	- Importance of primary tillage.	1	7/5/12	25	Farmers
Plant Protection	- Rodent management for safe food storage	1	25/4/12	25	Farmers
	- Importance of seed treatment for insect pest & disease management.	1	11/6/12	25	Farmers
Animal Science	- Vaccination schedule against contagious diseases in animals and poultry.	1	25/4/12	25	Farmers
	- Use of mineral mixture in feeding for cattle and buffaloes	1	30/5/12	25	Farmers
Horticulture	- Planting materials prepared in green house..	1	18/4/12	25	Farmers
Agril. Engg.	- Selection and maintenance of farm machinery and implements	1	19/4/12	25	Farmers
	- Rain water harvesting and their efficient use for crop production	1	13/6/12	25	Farmers
Home Science	- Preparation of mango pickles & jam.	1	16/6/12	25	Farm women
	- Preparation of bakery products.	1	14/5/12	25	Farm women
II. Quarter : (1st July to 30th September, 2012)					
Crop Production	- Top dressing management in cotton	1	5/7/12	25	Farmers
	- Importance of organic farming	1	2/8/12	25	Farmers
Pl. Protection	- Emerging pest & disease of Bt.cotton & their management.	1	12/7/12	25	Farmers
	- Role of bio pesticides for the insect pest management	1	7/8/12	25	Farmers
Animal Science	- Importance of scientific breeding and feeding practices in animals	1	27/7/12	25	Farmers
	- Green fodder management round the year	1	17/9/12	25	Farmers
Horticulture	- Bahar treatment in lemon.	1	23/8/12	25	Farmers
Agril. Engg.	- In-situ moisture conservation practices under dry land agriculture	1	10/7/12	25	Farmers
	- Selection and maintenance of plant protection equipments	1	28/8/12	25	Farmers
	- Post harvest technology of different field crops	1	13/9/12	25	Farmers
Home Science	- Drudgery reducing devices for farm women	1	21/9/12	25	Farm women
	- Income generation through candle & shop making	1	29/9/12	25	Rural youth
III. Quarter : (1st October to 31st December, 2012)					
Crop Production	- Irrigation management in wheat and gram	1	8/10/12	25	Farmers
	- Top dressing management in Rabi crops	1	5/11/12	25	Farmers
Pl. Protection	- Ecofriendly management of insect pest & disease in vegetable crops.	1	30/10/12	25	Farmers
	- Biological control: modern concept in pest management.	1	21/11/12	25	Farmers
	- IPM and IDM in Rabi crops	1	22/11/12	25	Farmers

Animal Science	- Control of common diseases in livestock & vaccination scheduling	1	4/10/12	25	Farmers
	- Management and Feeding practices of Dairy Anim.	1	5/11/12	25	Farmers
Horticulture	- Cultivation practices for garlic.	1	4/12/12	25	Farmers
Agril. Engg.	- Installation and maintenance of micro irrigation system	1	20/11/12	25	Farmers
	- Use of plastic in farming practices	1	19/12/12	25	Farmers
Home Science	- Value addition in groundnut and sesamum	1	22/11/12	25	Farm women
	- Vaseline and bam making	1	15/12/12	25	Farm women
IV. Quarter : (1st January to 31st March, 2013)					
Crop Production	- Weed management in wheat and gram	1	4/1/13	25	Farmers
	- Climate change in agriculture	1	8/2/12	25	Farmers
Pl. Protection	- Manag.of insect pest & disease in summer crops.	1	16/2/13	25	Farmers
	- Identification nature of damage and management of store grain pests.	1	10/3/13	25	Farmers
Animal Science	- Veterinary first aid & control of infectious diseases	1	6/1/13	25	Farmers
	- Importance of Artificial Insemination in Cattle& Buffalo	1	21/2/13	25	Farmers
Horticulture	- Grading, sorting and pawing of fruits & vegetables.	1	3/2/13	25	Farmers
Agril. Engg.	- Small scale processing and value addition	1	11/1/13	25	Farmers
	- Importance of drip irrigation in horticulture crops	1	17/2/13	25	Farmers
	- Importance of non-conventional source of energy	1	15/3/13	25	Farmers
Home Science	- Preparation and preservation of fruits & vegetables	1	18/1/13	25	Farm Women
	- Different methods of tie and dye work	1	15/2/13	25	Farm Women

3. Vocational Training :

Sr. No.	Title of Training	Dura.Days	Tentative Date	No. of parti	Type of Parti.
1.	- Preservation of vegetables and fruits	2	20-21/2/13	25	Rural Girls
2.	- Fancy patch work and hand work stitches	2	29-30/5/12	25	Rural Girls
3.	- Repairing of farm implements	2	7-8/11/12	25	Rural youth

4. In service Training:

Sr. No.	Title of Training	Dura . Days	Tentative Date	No. of parti.	Type of Parti.
1.	- Soil and water conservation under dry land agriculture	1	17/1/13	25	Extension Workers Of GLDC
2.	- Care and Management during A.I.	1	20/7/12	25	A.I. Workers
3.	- Importance of IPM in different crops	1	22/8/12	25	Extension Workers

5. Sponsored/ Collaborative Training with Other Organizations:

Sr. No.	Title of Training	Dura. Days	Tentative Date	No. of parti.	Type of Parti.
1.	- Scientific Dairy management	1	31/10/12	25	Farmers
2.	- Control of common diseases in livestock & vaccination scheduling	1	25/11/12	25	Farmers
3.	- Efficient use of micro irrigation system	1	10/10/12	25	Farmers
4.	- Maintenance of greenhouse & poly house	1	10/11/12	25	Farmers

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	1	1	1	1	4	2	2	2	2	8	12
2.	Pl. Protection	1	1	1	1	4	2	2	3	2	8	13
3.	Animal Science	1	1	1	1	4	2	2	2	2	8	12
4.	Horticulture	1	1	1	1	4	1	1	1	1	4	8
5.	Agril. Engineering	1	1	1	1	4	2	3	2	3	10	14
6.	Home science	2	1	1	2	6	2	2	2	2	8	14
	Total	7	6	6	7	26	11	12	12	12	47	73

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

Summary of Training programme :

Sr. No.	Subject	On campus	Off campus	Total
1.	Crop Production	4	8	12
2.	Plant protection	4	9	13
3.	Animal Science	4	8	12
4.	Horticulture	4	4	8
5.	Agril. Engineering	4	10	14
6.	Home science	6	8	14
	Total	26	47	73
1.	Vocational training	2	1	3
2.	In service training	3	-	3
3.	Sponsored Training	4	-	4
	Grand Total	35	48	83

B. Front Line Demonstrations (Proposed)

Sr. No.	Crop	Variety	Objective	No. of Demons.	Area (ha)
Oilseed					
1	Groundnut	GG-31	To test yield potentiality of groundnut	10	4.0
2	Castor	GC-7	To test yield potentiality of castor	5	2.0
3	Sesamum	GT-3	To test yield potentiality of Sesamum	5	2.0
4	Groundnut	GG-20	Combine approach for management of insect pests and diseases of groundnut (As per DFRS, Targhadia recommendation Schedule -II year 2010)	5	2.0
FLD - Pulses					
1	Green gram	GM-4	Green gram as a inter crop for minimizing risk factor	5	2.0
2	Black gram	GU-1	Black gram as a inter crop for minimizing risk factor	5	2.0
3.	Gram	GG-3	To test yield potentiality of Gram	5	2.0

FLD Cereals					
1	Wheat	GW-366	To test yield potentiality of Wheat	10	4.0
Other Crops (Spices)					
1	Cumin	GC-4	To demonstrate the sowing method (line sowing)	10	4.0
FLD Other than crops					
1	Animals	Mineral mixture powder	To balance the deficiency of minerals in Animal feed	10	-
2	Fodder crop (Oat)	JHO-822	To introduce new fodder crop variety	20	2.0
3	Solar energy	Box solar cooker	To Introduce solar cooker in rural area	10	-
Total				100	26.0

C. Demonstrations of improved farm implement

Sr. No.	Implement	Title	No. of Demons.
1	Cotton stalk shredder	Use of cotton stalk shredder for recycling of farm waste –cotton, castor, sesame & pigeon pea stalk	5
2.	Rotavator	To maintain soil health and sustainability through incorporating of crop residues into soil by use of rotavator	5
3	Mobile chopper	To maintain soil health and sustainability through recycling of Cotton & castor stalk	5
4	Small grader machine	Value addition through grading and cleaning at village level	5
5	Manual drawn automatic seed drill	Farm mechanization for small land holders	5
6	Battery operated knapsack sprayer	Drudgery reduction for farming community through use of battery operated knapsack sprayer	5
7	Tractor mounted power sprayer	Plant protection measure carried out in efficient with large coverage	2

D. ON FARM TESTING (OFTs)

OFT-1

Title : Reduction in age at first calving (AFC) in heifers

Objective : To minimize the age at first caving in heifers

Treatments :

1. Farmer's practices
2. Heifers be fed with Deworming bolus + Mineral Mixture . (Recommended Practice)
3. Heifers be fed with Mineral bricks + Zycloze tablets + Horse gram @ 500 gm/day up to one week (Intervention)
4. T3+ Balanced concentrated diet.

OFT-2

Title : Low yield of cotton

Objective : To increase the yield by balance fertilization

Treatments:

- T₁. Farmer's practices
- T₂. Recommended dose of fertilizer (160-0-0) in four split in which second split in form of Ammonium Sulphate
- T₃. T₂ + 50 kg P₂O₅ ha⁻¹ through DAP + 50 kg K₂O ha⁻¹ through MOP as a basal dose.
- T₄. T₃ + 25 kg MgSO₄ ha⁻¹ + 10 kg ZnSO₄ as a basal dose.

OFT-3 (Modification in previous OFT)

Title : Management of sucking pests in cotton.

Objective: To minimize the sucking pest in cotton.

Old Treatments :

1. Continuous use of new insecticide (Farmers practice)
2. IPM : alternate spraying of chemical and bio pesticide and intercropping of maize / cow pea with cotton 1:10 Row (Recommended practice)
3. Use of new, old and bio pesticide.

Modified Treatments :

1. Continuous spraying of chemical pesticides. (Farmers practice)
2. IPM : alternate spraying of chemical and bio pesticide and intercropping of maize / cow pea with cotton 1:10 Row (Recommended practice)
3. Spraying of chemical pesticide @ half does of recommendation with bio pesticide i.e. Azadirachtin 1500 ppm or *verticillium lecanii* and growing of maize / cowpea as mix crop with cotton. (Intervention)

OFT- 4

Title : Low yield in groundnut due to improper tillage practice

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

Treatments :

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

OFT- 5

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 : 30 girls

Observations:

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

4. Extension Activities:

Sr. No.	Activity	Proposed No.
1	Kisan Mela	1
2	Field Day	5
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	4
8	Khedut shibir	10
9	Kisan mahila meeting	2
10	News paper Coverage	As and when require
11	Popular Articles	20
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
18	Night meeting	6