

## **On-Farm Testing (OFT) :**

The technologies which are in the pipeline or to be released for wide scale diffusion in the farmers' field need to be tested for adaptability without modifying its scalability and which a farmer can adopt under his micro and macro farming situations.

### **Title of On-Farm Testing (OFT) conducted during 2007-08**

1. Comparative performance of HYV *Geetanjali / Ketekijoha* and local scented rice var. Doodhe Tulsi
2. Performance of new variety of mustard (Ragini) over SS-1
3. Optimum time of sowing of mustard for better seed production
4. Organic management of rhizome rot of ginger by using GF3 botanicals
5. Silage making using HDP bags

### **Title of On-Farm Testing (OFT) to be conducted during 2008-09**

1. Optimizing the mustard yield under late sown
2. Furrow liming with *Rhizobium* in field pea
3. Performance of maize with different organic nutrient sources
4. Performance of Wheat crop under available soil moisture with minimum water use efficiency
5. Performance of TPS against the cut tubers
6. Relay cropping of rice bean/ french bean with maize
7. Silage making for animal feeding
8. Improving reproductive performance of cow through mineral mixture supplementation
9. Management of red ant in vegetables by using bio- pest
10. Soft rot disease management of ginger
11. Button Mushroom Cultivation
12. Performance of 4-row modified manual rice transplanter
13. Performance of early flowering var. of strawberry under protected condition
14. Nutritional garden for supplementing family nutrition & better income
15. Banana fibre extraction for preparing rural handicrafts
16. Effectiveness of method demonstration on SRI

## Front - Line Demonstrations (FLD):

The newly released production technologies which are sure for their superiority over the existing ones and can be adopted under the prevalent farming situations need to be demonstrated at farmers' field to exploit their maximum production potential and to generate production data and feedback information for further wide scale diffusion.

### Details of FLDs implemented during 2007-08

<b>Crop</b>	:	<b>Soybean</b>
Technology Demonstrated	:	Application of dolomite @ 250 kg/ha
Season and year	:	<i>Kharif '07</i>
Area (ha) Proposed	:	10
Actual	:	5
No. of farmers under demonstration	:	
SC/ST	:	40
Others	:	10
<b>Total</b>	:	<b>50</b>
<b>Crop</b>	:	<b>Blackgram</b>
Technology Demonstrated	:	Application of mustard cake @ 300 kg/ha
Season and year	:	<i>Kharif 07</i>
Area (ha) Proposed	:	10
Actual	:	5
No. of farmers under demonstration	:	
SC/ST	:	40
Others	:	10
<b>Total</b>	:	<b>50</b>
<b>Crop</b>	:	<b>Mustard</b>
Technology Demonstrated	:	Application of neem cake @ 500 kg/ha
Season and year	:	<i>Rabi '07-08</i>
Area (ha) Proposed	:	10
Actual	:	5
No. of farmers under demonstration	:	
SC/ST	:	40
Others	:	10
<b>Total</b>	:	<b>50</b>

<b>Crop</b>	:	<b>Pea</b>
Technology Demonstrated	:	Application of neem cake @ 500 kg/ha
Season and year	:	<i>Rabi '07-08</i>
Area (ha) Proposed	:	10
Actual	:	5
No. of farmers under demonstration		
SC/ST	:	40
Others	:	10
<b>Total</b>	:	<b>50</b>

<b>Crop</b>	:	<b>Paddy</b>
Technology Demonstrated	:	System of Rice Intensification (SRI)
Season and year	:	<i>Rabi '07-08</i>
Area (ha) Proposed	:	0.1
Actual	:	0.08
No. of farmers under demonstration		
SC/ST	:	-
Others	:	2
<b>Total</b>	:	<b>2</b>

<b>Crop</b>	:	<b>Ginger</b>
Technology Demonstrated	:	Introduction of variety Nadia vis-a vis Bhaise
Season and year	:	<i>Rabi '07-08</i>
Area (ha) Proposed	:	0.5
Actual	:	0.08
No. of farmers under demonstration		
SC/ST	:	1
Others	:	2
<b>Total</b>	:	<b>3</b>

## Details of proposed Frontline Demonstrations for the year 2008-09

<b>Title of FLDs</b>	<b>No. of farmers/demonstrations proposed</b>
Varietal performance of Urd	50
Cultivation of Field pea	50
Cultivation of Soybean	50
Cultivation of Mustard	50
Comparative performance of SRI with traditional system	10
Cultivation of Maize	15
Cultivation of Ginger	15
Cultivation of off –season vegetables	15
Backyard poultry	10
Machine Knitting	15
Mushroom production technologies	10

## Training Achievements During 2007-2008

### On Campus

#### Crop Production

Activities	No. of Courses		Male	Female	Total
		Total			
Cropping Systems	1	1	7	13	20
Nursery raising	1	1	8	14	22
Dairy Management	1	1	8	15	23
Poultry Management	1	1	6	11	17
<b>Total</b>	<b>4</b>	<b>4</b>	<b>29</b>	<b>53</b>	<b>82</b>

#### Home Science/Women empowerment

Activities	No. of Courses	Male	Female	Total
Minimization of nutrient loss in processing	1	0	12	12
Gender mainstreaming through SHGs	1	0	10	10
Income generation activities for empowerment of rural Women	1	0	15	15
Rural Crafts	1	0	15	15
Women and child care	1	0	13	13
<b>Total</b>	<b>5</b>	<b>0</b>	<b>65</b>	<b>65</b>

#### Plant Protection

Activities	No. of Courses	Male	Female	Total
Integrated Pest Management	1	15	21	36
<b>Total</b>	<b>1</b>	<b>15</b>	<b>21</b>	<b>36</b>
<b>Grand Total</b>	<b>10</b>	<b>44</b>	<b>139</b>	<b>183</b>

## Training Achievements During 2007-2008 Off Campus

### Crop Production

Thematic area	No. of Courses	Male	Female	Total
Weed Management	1	16	27	43
Nursery management	1	17	15	32
Fodder production	1	14	31	45
<b>Total</b>	<b>3</b>	<b>47</b>	<b>73</b>	<b>120</b>

### Horticulture

Thematic area	No. of Courses	Male	Female	Total
Off-season vegetables	2	19	35	54
Nursery raising	1	10	24	34
Cultivation of Fruit crops	1	11	23	34
<b>Total</b>	<b>4</b>	<b>40</b>	<b>82</b>	<b>122</b>

### Livestock Production and Management

Thematic area	No. of Courses	Male	Female	Total
Dairy Management	1	22	31	53
Piggery Management	1	22	27	49
Feed management	1	26	32	58
<b>Total</b>	<b>3</b>	<b>70</b>	<b>90</b>	<b>160</b>

## Home Science/Women empowerment

<b>Thematic area</b>	<b>No. of Cors.</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
Designing & Devel. for high nutrient efficiency diet	1	0	13	13
Gender mainstreaming through SHGs	1	0	13	13
Value addition	1	0	15	15
Income generation activities for empowerment of rural Women	1	0	16	16
Rural Crafts	1	0	20	20
Women and child care	1	0	13	13
<b>Total</b>	<b>6</b>	<b>0</b>	<b>90</b>	<b>90</b>

## Plant Protection

<b>Thematic area</b>	<b>No. of Courses</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
Integrated Pest Management.	1	18	28	46
Disease Management	1	19	24	43
Bio-control of pests and diseases	1	17	27	44
Production of bio control agents & bio pesticides	1	13	34	47
<b>Total</b>	<b>4</b>	<b>67</b>	<b>113</b>	<b>180</b>

## Capacity Building and Group Dynamics

<b>Thematic area</b>	<b>No. of Courses</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
Leadership development in villages	1	22	37	59
Managing Group dynamics	1	15	30	45
Formation and Mgt. of SHGs	1	17	37	54
Mobilization of social capital in vill.	1	22	42	64
Entrepreneurial development of farmers/youths	1	27	37	64
<b>Total</b>	<b>5</b>	<b>103</b>	<b>183</b>	<b>286</b>
<b>Off Campus Grand Total</b>	<b>25</b>	<b>327</b>	<b>631</b>	<b>958</b>

## DETAILS OF PROPOSED TRAINING PROGRAMMES (2008-09)

### On Campus

#### (A) FARMERS & FARM WOMEN

Thematic area	No. of Courses	Grand Total
Crop production	4	60
a) Vegetable Crops	7	140
b) Fruits	3	60
Soil Health and Fertility Mgt.	1	20
Livestock Prodn. and Mgt.	6	120
Home Science/Women empowerment	13	260
Plant Protection	7	140
Capacity Building and Group Dynamics	14	300
<b>Total</b>	<b>56</b>	<b>1100</b>

#### (B) RURAL YOUTH

Thematic area	No. of Courses	Grand Total
Mushroom Production	6	120
Seed production	1	20
Integrated Farming	2	40
Vermiculture	1	20
Value addition	4	80
Small scale processing	2	40
Post Harvest Technology	3	60
Tailoring and Stitching	1	20
Rural Crafts	2	40
<b>Total</b>	<b>22</b>	<b>440</b>

#### (C) EXTENSION PERSONNEL

Productivity enhancement in field crops	1	20
Integrated Pest Management	1	20
Management in farm animals	1	20
Women and Child care	1	20
Production and use of organic inputs	1	20
<b>Total</b>	<b>5</b>	<b>100</b>



## DETAILS OF PROPOSED TRAINING PROGRAMMES (2008-09)

### Off Campus

#### (A) FARMERS & FARM WOMEN

<b>Thematic area</b>	<b>Courses (No)</b>	<b>Grand Total</b>
Crop Production	15	300
Soil Health and Fertility Management	2	40
Livestock Production and Management	6	120
Home Science/Women empowerment	11	220
Plant Protection	8	160
Capacity Building and Group Dynamics	15	300
<b>TOTAL</b>	<b>57</b>	<b>1140</b>

#### (B) RURAL YOUTH

<b>Thematic area</b>	<b>Courses (No)</b>	<b>Grand Total</b>
Mushroom Production	3	60
Bee-keeping	1	20
Integrated farming	1	20
Production of organic inputs	1	20
Planting material production	1	20
Value addition	2	40
Poultry production	2	40
Post Harvest Technology	2	40
Tailoring and Stitching	1	20
<b>TOTAL</b>	<b>14</b>	<b>280</b>

## VOCATIONAL TRAINING PROGRAMMES FOR RURAL YOUTH (2008-09)

<b>Crop / Enterprise</b>	<b>Training title*</b>		<b>Duration (days)</b>	<b>Total</b>
Mushroom	Mushroom Production	4	180	
Bee	Bee-keeping	2	20	
Rice	Seed production	2	40	
Compost	Production of organic inputs	3	20	
Crop/Dairy/Goatery/ Piggery	Integrated Farming	3	60	
Vermiculture	Vermiculture	3	40	
Value addition	Value addition	2	120	
Dairy	Dairying	3	20	
Poultry	Poultry production	2	40	
Vegetable & spices	Small scale processing	2	40	
Fruits & vegetable	Post Harvest Technology	2	100	
Clothes	Tailoring and Stitching	2	40	
Rural Crafts	Rural Crafts	2	40	
	<b>Total</b>	<b>32</b>	<b>760</b>	

## SPONSORED TRAINING PROGRAMME PROPOSED (2008-09)

Title	:	Plant Protection in <i>Kharif &amp; Rabi</i> crops
No. of courses	:	2
Month	:	June, Dec
Duration (days)	:	5
Total	:	40
Sponsoring Agency	:	CIPM, Gangtok

## PROPOSED OTHER EXTENSION ACTIVITIES (2008-09)

Nature of Extension Activity	No. of activities	Farmers Total	Extension Officials	Rural Youth Total	Total
Field Day	5	400	20	100	520
Kisan Mela	2	400	40	200	640
Kisan Gosthi	10	200	20	50	270
Exhibition	2	400	40	200	640
Film Show	2	100	20	100	220
Method Demo.	10	100	-	100	200
Farmers Seminar	2	100	10	40	150
Workshop	2	100	10	40	150
Group meetings	10	200	20	100	320
Lectures delivered as resource persons	20	-	-	-	-
Newspaper coverage		4	-	-	-
Radio talks	6	-	-	-	-
TV talks	4	-	-	-	-
Popular articles	5	-	-	-	-
Extension Literature	10	300	20	200	520
Advisory Services	10	200	10	100	310
Scientific visit to farmers field	50	400	-	100	600
Farmers visit to KVK	10	200	20	100	320
Diagnostic visits	10	40	-	20	60
Exposure visits	2	60	-	40	100
Ex-trainees Sammelan	6	6	120	40	170
Soil health Camp	2	50	10	60	120
Animal Health Camp	2	80	10	40	130
Agri mobile clinic	1	60	-	40	100
Soil test campaigns	1	60	10	40	110
Farm Science Club	10	100	10	40	190
Conveners meet					
Self Help Group	10	200	20	100	320
Conveners meetings					
Mahila Mandals	3	60	5	30	95
Conveners meetings					
Celebration of important days	2	100	10	40	150
<b>Total</b>	<b>213</b>	<b>4030</b>	<b>315</b>	<b>1920</b>	<b>6405</b>