FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented during 2010-11

Sl.	Category	Farming Situation	Season and	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Are	a (ha)		o. of farme emonstrati		Reasons for shortfall in achievement
			Year						Proposed	Actual	SC/ST	Others	Total	
		-	-	-	-	-	-	-	-	-	-	-	-	-
1	Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
2	Pulses	-	-	-	-	-	-	-	-	-	-	-	-	-
	G 1	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Cereals	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
4	Millets	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	=	-	-	-	-	-	-	-	-
5	Vegetables	Irrigated	February 2011	Carrot	Early Nantes	-	Nematode management	Management of Carrot root knot nematode	2	1.2	-	2	2	-
		Irrigated	March 2011	Cauliflower	Snow mystique	Hybrid	Integrated pest management	Integrated Pest management in Cauliflower	1	0.8	1	2	3	-
		Irrigated and open cultivation	April 2011	Cabbage	Quisto	-	Crop management	Demonstration on Crop management in Cabbage	3	3	-	-	-	-
		Small scale	-	Crida Preservator	-	-	Post harvest management	Popularization of Crida preservator for Post harvest management of vegetables	3 Nos	3 Nos	-	5	5	-
		Small scale	-	Potato	-	-	Value addition	Demonstration on production of value added products form market rejected potatoes	3	3	-	5	5	-
6		Controlled condition	September 2010 to April 2011	Carnation	Eskimo	-	Disease management	Carnation – Fusarium wilt management.	8000m ²	5500m ²	-	8	8	Area reduced and no.of sprays have been
	Flowers													increased
		-	-	-	-	-	-	-	-	-	-	-	-	-
7	Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	=	-	-	-	-	-	-	-	-
8	Fruit	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-

Sl. No.	Category	Farming Situation	Season and	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Are	a (ha)		o. of farme emonstrati		Reasons for shortfall in achievement
			Year						Proposed	Actual	SC/ST	Others	Total	
9	Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
10	Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
11	Medicinal and aromatic	Open cultivation and Rainfed	January 2011	Rosemary	Ooty – 1 (Rosemarinus officinalis)	-	Introduction of new crop	Popularisation of Rosemary variety Ooty-1	0.4	0.4	-	1	1	-
	P. 11.													
12	Fodder													
13	Plantation	Rainfed Max.Tem: 28°C Min.Tem: 2°C	March 2011	Tea	B/6/61	Clonal	Dolomite application for soil amendments	Demonstration on application of Dolomite in tea for soil amendments	2	2	-	5	5	-
		Rainfed Max.Tem: 28°C Min.Tem: 5°C	March 2011	Tea	B/6/61	Clonal	Weed management	Demonstration on integrated weed management in young tea	2	2	-	3	3	-
		Rainfed Max.Tem: 26°C Min.Tem: 3°C	June 2010	Tea	B/6/61	Clonal	Shear harvesting in tea	Introduction of hand operated shears to harvest green leaf.	1	0.8	-	2	2	-
		Rainfed Max.Tem: 28°C Min.Tem: 2°C	May 2010	Tea	B/6/61	Clonal	Machine pruning in tea	Demonstration of Mechanical pruning in tea	20	9.3	-	7	-	Due to poor rainfall during the first season of pruning
		Rainfed Max.Tem: 28°C Min.Tem: 0°C	January 2010	Tea	B/6/61	Clonal	Machine harvesting in tea	Use of mechanical harvester in tea	1	0.8	-	2	2	-
		Rainfed Max.Tem: 28°C Min.Tem:	January 2009	Tea	TRF-1	Clonal	Soil conservation, additional income	Planting tea in raiser under vegetable	1	0.8	-	2	2	-

Sl. No.	Category	Farming Situation	Season and	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Are	a (ha)		o. of farme emonstrati		Reasons for shortfall in achievement
			Year						Proposed	Actual	SC/ST	Others	Total	
		0°C						cultivation to conserve soil and water						
14	Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
15	Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
16	Poultry	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
17	Rabbitry	Small scale	Feb 2011	Rabbit	New Zealand white	-	Rabbit rearing techniques	Popularisation of Rabbit rearing technology for rural youth to generate additional income	10 Units	3 units	-	3	3	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
18	Pigerry	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
19	Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
20	Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
21	Common	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
22	Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
23	Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
24	Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
25	Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area	a (ha)		o. of farme emonstration		Reasons for shortfall in achievement
			rear						Proposed	Actual	SC/ST	Others	Total	
		-	-	-	-	-	-	-	-	-	-	-	-	-
26	Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-			-	-	-	-
27	Sericulture	-	-	-	-	-	-	-			-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
28	Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
29	Implements	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
30	Others (specify)	Farm women	November 2009	Woolen knitting	-	-	Woolen knitting	Introduction of woolen knitting in villages	3	3	-	60	60	-

5.A. 1. Soil fertility status of FLDs plots during 2010-11

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	S	tatus of	soil	Previous crop grown	
									Ĭ	N	P	K		
1	Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	
2	Pulses	-	-	-	-	-	-	-	-	-	-	-	-	
	C1.	-	-	-	-	-	-	-	-	-	-	-	-	
3	Cereals	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	
4	Millets	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-			-	-	-	-	-	-	-	
5	Vegetables	Irrigated	February Carrot Early		Early nantes	-	Root knot Nematode control	Management of Carrot root knot nematode	February 2011	-	-	-	Carrot	
		Irrigated	March 2011	Cauliflower	Snow mistique	Hybrid	Integrated pest management	Integrated Pest management in Cauliflower	March 2011	-	-	-	Double Beans	
		Irrigated open cultivation	April 2011	Cabbage	Quisto	-	Crop management for higher yield	Demonstration on Crop management in Cabbage	April 2011	-	-	-	Carrot	
		Enterprise	-	-	-	-	Minimising the Post harvest loss	Popularization of Crida preservator for Post harvest management of vegetables	-			-		
		Farm women		-	Potato	-	-	Value addition of market rejected potatoes	Demonstration on production of value added products form market rejected potatoes	-			-	
6	Flowers	Contolled condition	Sept 2010 to April 2011	Carnation	Eskimo	-	Disease management	Carnation – Fusarium wilt management.	Sept 2010 to April 2011	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	
7	Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	
8	Fruit	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	_	_	-	-	-	-	-	-	†-	-	
9	Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	_	_	_	_	_	_	<u> </u>	_	-	-	
		_	<u> </u>		_	1 -	_	_	1 -	1 -	1 -	1 -	1 -	

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	S	tatus of	soil	Previous crop grown
									,	N	P	K	
10	Commercial	-	-	=	-	-	-	-	-	-	-	-	-
11	Medicinal and aromatic	-	-	Rosemary	Ooty – 1 (Rosemarinus officinalis)	-	-	Popularisation of Rosemary variety Ooty-1	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
12	Fodder	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
13	Plantation	Rainfed Max.Tem: 28°C Min.Tem: 2°C	March 2011	Tea	B/6/61	Clonal	Dolomite powder application for soil amendments	Demonstration on application of Dolomite in tea for soil amendments	March 2011	I	оН-3.92		Tea
		Rainfed Max.Tem: 28°C Min.Tem: 5°C	March 2011	Tea	B/6/61	Clonal	Weed management	Demonstration on integrated weed management in young tea	March 2011		рН-4.2		Tea
		Rainfed Max.Tem: 26°C Min.Tem: 3°C	June 2010	Tea	B/6/61	Clonal	Shear harvesting in tea	Introduction of hand operated shears to harvest green leaf.	June 2010	pH 4.5			Tea
		Rainfed Max.Tem: 28°C Min.Tem: 2°C	May 2010	Tea	B/6/61	Clonal	Machine pruning in tea	Demonstration of Mechanical pruning in tea	May 2010		pH 4.3		Tea
		Rainfed Max.Tem: 28°C Min.Tem: 0°C	January 2010	Tea	B/6/61	Clonal	Machine harvesting in tea	Use of mechanical harvester in tea	January 2009		pH 4.5		Tea
		Rainfed Max.Tem: 28°C Min.Tem: 0°C	January 2009	Tea	TRF-1	Clonal	Soil conservation, additional income	Planting tea in raiser under vegetable cultivation to conserve soil and water	January 2009	I	оН 5.05		-
14	Fibre	-	-	-	-	-	-	-	-	-	-	-	-
15	Enterprise	Farm women	November 2009	Woolen knitting	-	-	Introduction of machine knitting	Introduction of woolen knitting in villages	November 2009		•	-	

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	S	tatus of	soil	Previous crop grown
									-	N	P	K	
16	Animal husbandry	Small scale	February 2011	Rabbit rearing	New Zealand white	-	Rabbit rearing	Popularisation of Rabbit rearing technology for rural youth to generate additional income	February 2011			-	

5.B. Results of Frontline Demonstrations

5.B.1. Crops

	Name of the Farming Situation No. of Area Yield (q/ha)										1						*Economics of check				
Crop	Name of the technology	Variety	Hybrid	situation	No. of	Area		Yiel	d (q/ha)	T	%			onstration ((Rs./	ha)			
Сюр	demonstrated	variety	Tiyona		Demo.	(ha)		Demo C		Check	Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR		
							Н	L	A												
Oilseeds	-	-	-	-	-	-	-	-	-	-	-		-		-		-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Pulses	-	-	-	-	-	-	-	-	-	-	-		-		-		-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-		
Cereals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cereais	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Millets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Flowers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Fruit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Spices and																					
condiments	-	-	-	-	-	-	-	-	-	-	-	-	ı	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Medicinal and																					
aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-		
Fodder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Plantation	Demonstration on Mechanical harvester in Tea	B/6/61	Clonal	Rainfed Max.Tem: 28°C Min.Tem: 0°C	2	0.8	250	100	175	125	40	105000	175000	70000	1:1.7	100000	125000	25000	1:1.2		

Crop	Name of the technology	Variety	Hybrid	Farming situation	No. of	Area		Yiel	d (q/ha)		%	*Econo	mics of den	nonstration (Rs./ha)		*Economic (Rs./			
Сюр	demonstrated	Variety	Hybrid		Demo.	(ha)		Demo Cl		Check	Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
							Н	L	A											
	Mechanical pruning in tea	B/6/61	Clonal	Rainfed Max.Tem: 28°C Min.Tem: 0°C	7	8.8		FLD on Pruning is comp			npleted. Mach	nine pruning	; in tea reco	rded quicker	r recovery	of bushes t	of bushes than hand pruning.			
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Others																				
(pl.specify)	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-	-	

^{*} Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

H – Highest Yield, L – Lowest Yield A – Average Yield