KVK, Thoubal

Department of Agriculture Govt. of Manipur

Front Line Demonstrations 2015-16

FLDs (Discipline-Wise Summary)

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for shortfall, if any
			Target	Achievement		
Fisheries	Fish(Grass carp + paddy)	1	7	7	100	
	Barb	1	7	7	100	
Home Sc.	Seed bin	1	3	3	100	
	Solar cooker	1	3	3	100	
PBG	Rice	2	15	15	100	
Total		15	90	87		

FLDs (Discipline-Wise Achievements)
Discipline/ Area: Agronomy

Crop Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase / change in avg. yield over local	Gross Cost (Rs/Ha)/ (Rs./ unit)	Gross Return (Rs/Ha) / (Rs./ unit)	Net Return (Rs/Ha) / (Rs./ Unit)	B:C Ratio (GR/GC)
		H	L	A	(Qt/Ha)	%				
Rice	Seed prodn. of rice through SRI (var. CAU- R1)	88.8	75	81.4	45.0	44.71	55,000	1,22,100	67,100	2.22
Maize	Cultivation of maize for green cob purpose(var. PAC-740)	88,000 nos. of green cobs	79200 nos. of green cobs	84480 nos. of green cobs	78000	7.67	31223	211200	179977	6.76
	Cultivation of maize for grain	23.7 qt. grains	19.3 qt. grains	22.5 qt. grains	17.8	20.88	31223	56250	25027	1.80

FLDs (Discipline-Wise Achievements)
Discipline/ Area: Agronomy

Crop Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase / change in avg. yield over local	Gross Cost (Rs/Ha)/ (Rs./ unit)	Gross Return (Rs/Ha) / (Rs./ unit)	Net Return (Rs/Ha) / (Rs./ Unit)	B:C Ratio (GR/GC)
		H	L	A	(Qt/Ha)	%				
Lentil	Zero tillage cultivation after harvesting of rice(var.HUL-57)	6.0	4.3	5.0	-	-	11800	30000	18200	2.54
Mustard	Zero tillage cultivation after harvesting of rice(var.NRCHB-101)	9.2	6.4	7.7	7.2	6.4	8000	19250	11250	2.4
Chickpea	Demonstration of chickpea cultivation(var. JG-16)	7.0	5.7	6.36	-	-	20750	38160	17410	1.83

FLDs (Discipline-Wise Achievements)
Discipline/ Area: Horticulture

Crop Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase/ change in avg. yield over local	Gross Cost (Rs/Ha)/ (Rs./ unit)	Gross Return (Rs/Ha) / (Rs./ unit)	Net Return (Rs/Ha) / (Rs./ Unit)	B:C Ratio (GR/GC)
		H	L	A	(Qt/Ha)	%				
Onion	Cultivation of Onion(Var. Bhima Shakti)	260	232	244	221	9.42	82118	366000	283882	4.4
Cauliflower	Cultivation of Cauliflower (Pusa Snowball KT-25)	295	258	285	255	10.5	87300	427500	340200	4.9

FLDs (Discipline-Wise Achievements)
Discipline/ Area: Plant protection

Crop Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase/ change in avg. yield over local	Gross Cost (Rs/Ha)/ (Rs./ unit)	Gross Return (Rs/Ha) / (Rs./ unit)	Net Return (Rs/Ha) / (Rs./ Unit)	B:C Ratio (GR/GC)
		H	L	A	(tons)	%				
Ladies finger	Insect pest mgmt. with Cyantraniliprole(HGW 8610% OD) at 90 gm a.i/ha	9.02	7.56	8.0	7.4	7.5	58,500	144.50	86000	2.47
Tomato	Insect pest mgmt. with Spiromesifen(white flies & mites)	2.51	1.93	2.17	2.01	7.96	77,230	434030	3,56,800	5.62

FLD (Discipline-Wise achievement)PBG

Crop/Enterprise	Technology	Demonstration yield (Q)			Local chek yield			% increased	Average cost of cultivation (Rs.)	Gross return (Rs.)	Net return	B:C
		H	L	A	H	L	A					
Rice Variety – RC Maniphou 12	Spring season Seed production under SRI 1. Date of sowing -12 February 2. Date of transplanting – 2nd March 3. Seed rate – 5 kg/ha 4. Fertilzer -No fertilizer in fish farm – N:P:K::60:40:30 in others 5. Weeding – Cono weeding two times + 1 hand weeding 6. Plant protection – Coragen for stem borer: Tricyclazole for blast	46	42	45	38	33	36	25	45000	99000	54000	2.2

FLD (Discipline-Wise achievement) PBG

Crop/Enterprise	Technology	Demonstration yield (Q)			Local chek yield			% increased	Average cost of cultivation (Rs.)	Gross return (Rs.)	Net return	B:C
		H	L	A	H	L	A					
Rice Variety – CAUR1	Seed production under SRI 1. Date of sowing -20 June 2. Date of transplanting – 30 June 3. Seed rate – 5 kg/ha 4. Fertilzer – NPK::60:40:30 5. Weeding – Cono weeding two times + 1 hand weeding 6. Plant protection – Coragen for stem borer: Tricyclazole for blast	82	78	79	55	52	54	46.3	55000	173800	118800	3.16

FLDs (Discipline-Wise Achievements)
Discipline/ Area: Livestock Enterprises

Enterprise	Breed	No. Of farmers	No. Of animals / poultry birds etc.	Performance parameters / indicators	Data on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
1 Broiler	Commercial strain	10	200	i. Body Weight at 6 wks (kg) ii. Feed conversion efficiency iii.Survibility iv. B.C Ratio	2.23 1.72 98 1.6	1.85 1.45 84 1.3	20.5 18 16.66 23.07	

FLDs (Discipline-Wise Achievements)
Discipline/ Area: Livestock Enterprises

Enterprise	Breed	No. Of farmers	No. of animals / poultry birds etc.	Performance parameters / indicators	Data on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
Geese	Local breed	10	70	i. Body weight at 8months ii. survibility% iii.Hatchability %	4.6 99 79	4.0 86 42	15 15.11 88.0	

FLDs (Discipline-Wise Achievements)
Discipline/ Area: Fisheries

Enterprise	Breed	No. Of farmers	No. Of animals/ poultry birds etc.	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
1. Fish + paddy	**Grass carp**	**7**	**14,00,000 spawn**	**i) Survivability of seed ii) Growth of seed iii) Yield of rice iv) B:C ratio**	**30-35% 246 mm wt -165 gm in 5 mths, 3.57 ton/ha 2.08**	**20-25% 245 mm wt -166 gm in 5 mths, 3.51 ton/ha 2.01**	**10 0.4 0.6 17 19.7**	**Grass carp seeds can be produced even in paddy fields to increase the availability if carp seeds in Thoubal district and to earn better benefit as integrated method**
2. Fish	Barb	7	**14,00,000 spawn**	**i) Survivability of seed ii) Growth of seed iii) B:C ratio**	**47% 101 mm wt -52 gm in 5 mths, 4.8**	**30% 100 mm wt - 50 gm in 5 mths, 4.01**	17 1 4 19.7	Availability of farm seed can be increased

FLDs (Discipline-Wise Achievements)
Discipline: H. Science

Enterprise	Technology	No. Of farmers/ Farm Women	No. Of Units / Item etc.	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
Seed storage	Silica gel used as indicator of moisture level inside the seed bin . indication - blue colour dryness (favorable condition) Pale/pink color-humid(unfavourable condition) Charcoal used as desicants,Polythene(0.07mm) guage layer	3	3	Germination Viability Storage duration Insect/pest infestation	Seed germination : 95% Seed viability for peas & beans : 8mths from harvesting till sowing season Insect/pest infestation -0	Seed viability for peas & beans : 3-4 months	Can store longer time	This technique,seed viabilities could be retained successfully upto next sowing season

FLDs (Discipline-Wise Achievements)

Discipline: H. Science

Enterprise	Technology	No. Of farmers / Farm Women	No. Of Units / Item etc.	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
Energy Saving device	Solar cooker	3	3	Amount of fuel consumption rate . Nutritive value	Time consumed in boiling 1 lt of water - 25 min Time consumed in cooking 1 kg of rice -45 min As cooking is done slowly it preserves the nutritive value of food.	Amt. of fuel consumed in boiling 1 lt.of water – 800g charcoal Time consumed in boiling 1 lt of water -15-20 min Amt. of fuel consumed in cooking 1 kg of rice-1 kg charcoal Time consumed in cooking 1 kg of rice -15 min		It does not need constant attention.So it saves time . Does not require any fuel except solar energy. So no fuel bills.