

# KVK, Thoubal

Department of Agriculture Govt. of Manipur

## Front Line Demonstrations 2016-17

### 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		
Plant Protection	Sugarcane	1	8	8	100	
	Cowpea	1	8	8	100	
PBG	Rice	2	20	20	100	
Home Sc.	Tubular maize sheller	1	10	10	100	
	Fish salt curing	1	10	10	100	
	Spreading tools for grains	1	10	10	100	
Animal Science	Broiler	1	10	10	100	
	Sow (Pig)	1	10	10	100	
	Duck cum paddy	1	10	10	100	
<b>Total</b>						

## FLD: Agronomy

Crop Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check (Qt/Ha)	% 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						
Rice	Seed production of rice through SRI	99.2	86.4	92.8	60.0	35.3	58,000	185600	1,27,600	3.2
Rice	Wet sowing of rice using drum seeder	66.0	63.6	62.8	60.0	4.4	60,000	94,200	34,200	1.57
Field pea Chickpea Lentil	Pulse seed hub	Field Pea :- 20 q Harvesting of Chickpea & Lentil are continueing.The target prodn. of field pea could not be achieved due to 10 days continuous rain i.e from 24 <sup>th</sup> march to 3 <sup>rd</sup> april 2017 at the crop period of pod filling stage								
Maize	Cultivation of rabi maize	Continueing								
Rapeseed / mustard	Cluster FLD on oilseed	9.2	7.6	8.8	8.2	6.8	25,000	66,700	41,700	2.67

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		H	L	A						
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

## FLD: Horticulture

Crop Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check (Qt/Ha)	% 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						
Chilli	Introduction of Arka Meghana	230	200	212	170	19.8	91,610	5,30,000	4,38,390	5.78
Cabbage	Introduction of Pusa cabbage hybrid	202	158	189	177	6.3	86560	189000	102440	2.18
Garden pea	Introduction of Pusa Shree	61	54	56.4	51	9.5	87,776	225000	137824	2.57
tomato	Introduction of Arka Rakshak	270	255	263	250.8	4.6	92.966	394500	301534	4.2

## FLD: Plant protection

Crop / Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check (Qt /Ha)	Increase in yield %	Avg. Cost of Cultivn. (Rs/Ha)	Avg. Gross Return (Rs/Ha)	Avg. Net Return (Rs/Ha)	B:C Ratio
		H	L	A						
Sugarcane	Shoot borer & termite mgmt with Thiamethoxam 200ai/ha. & <i>Metarhizium anisopliae</i>	332	312	328	308	Technology : 6.4	65,290	2,41,573	1,76,283	3.7
						Farmers Practice	63000	2,25,000	1,62,000	3.57
Cowpea	Insect pest mgmt. of cowpea with Emamectin benzoate 5 SG @ 0.002%	78	67	74	68	Technology :- 8.8	58,100	2,98,000	2,39,900	5.1 : 1
						Farmers Practice	58,000	2,22400	162400	3.8

## FLD: PBG

Crop / Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check (Qt/Ha)	Increase in yield %	Gross Cost of Cultivn. (Rs/Ha)	Gross Return (Rs/Ha)	Net Return (Rs/Ha)	B:C Ratio
		H	L	A						
Rice	Seed production through SRI (variety RCMANIPHOU-12 Seedling age – 12 days Spacing -25x25 cm Fertilizer – NPK:: no fertilizer Isolation – 3m	47	42	45	41	8.8	55000	126000	71000	2.29
Rice	Seed production through SRI (var.Tampha) Seedling age – 12 days Spacing -25x25 cm Fertilizer – NPK:: 60:40:30 Isolation – 3m	74	71	72	55	23.6	55000	146000	91000	2.6

## FLDs (Animal Science)

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	Growth performance of broiler by feeding coriander sativum seed powder (2% of feed)	10	200	i)Body wt at 6 weeks ii)Survivability% iii)Feed conversion efficiency	2.7 98 1.74	2.3 95 1.42	17 3 22	

## FLDs (Animal Science)

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		
Sow	Treatment of Mastitis Metritis Agalactia complex syndrome in post partum estrus by using Benzathene Penicillin 48 lakh unit	10	10	Litter size at birth	12.8	13.7	-7.08	
				Litter weight at birth	450	418	7.6	
				Litter size at weaning	12.6	6.8	85.29	
				Litter weight at weaning	5000	4300	16.27	

## FLDs (Animal Science)

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		
Duck/paddy	Integrated Paddy cum duck farming(300 ducks/1 ha paddy)	10	300 ducks / ha paddy	i)Growth performance of duck at 6 months	2.2	1.8	22	
				ii)Effect on Weed population	96	92	4.3	
				iii)B.C Ratio	1.56	1.27	22.83	

## FLD Discipline: Home 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		
Maize	Tubular maize sheller	10	10	Shelling efficiency operating time for labour	30 kg/hr	5-8kg/hr	73.3	Since production is more by using tool. It saves labour and cost of operation
Fish	Fish salt curing	10	10	Shelf life-production %	6-8mths 70-80%	3mths 50%	62.5 37.5	Local Preservation done by only open air sun drying odour is not pleasant & has a shorter shelf life. Shelf life is increase by using this technology.

## FLD: Home 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		
Rice grain	Spreading tools for grains	10	10	Spreading efficiency kg/hr	80-1000kg	40-6kg	40	
				Drudgery reduction	Pulse rate beats/min 60-70	Pulse rate beats/min 80-90		Drudgery is reduced by using this tool.

