

Frontline Demonstrations (2019-20)

FLDs Summary 2019-2020

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for shortfall
			Target	Achiev.		
Agronomy	Rice	1	10	5	50	Drought like situation
Plant Protection	Chilli	1	8	8	100	
	Tomato	1	8	9	112.5	
PBG	Rice(2)	2	20	20	100	
	Mustard	1	10	9	90	1 failed due to rain
Home Sc.	Drudgery Reduction(Bhindi Cutter)	1	10	8	80	
	Production of Jackfruit chips	1	10	8	80	
	Total	8	76	67		

Frontline Demonstrations Details

Crop	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check (Qt/ha)	% increase	Gross Cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio (GR/GC)
		H	L	A						
Rice Var. Tampha phou	<ul style="list-style-type: none"> •Seed rate:-7-10 kg/ha •Organic manure:10t/ha •NPK: 50% of recommended dose •Seedling age :18-20 days •No. of seedling/hill:1 •Irrigation:intermittent wetting & drying •Weedmgmt.: Cono + HW 2times at 10 days interval 	7.8	6.1	7.2	4.3	40.27	67,000	1,44,000	77,000	2.14



No. of Demo.	Area	Location
5	1.25 ha	Hijam Khunou,Thoubal Okram,Wangjing,Wangoo(2)



Crop	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check (Qt/ha)	% increase	Gross Cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio (GR/GC)
		H	L	A						
Rice Var.RC Maniphou 13	<ul style="list-style-type: none"> • Seed rate: 45 kg/ha •N:P:K :60:40:30(N in three splits,K in two splits) •Rogueing as per need •PP : Seed treatment , as and when needed •Spacing:20cm x 15 cm •Weed control: 1 pre emergence weedicide & 1 HW 	60	45	5.2	4.9	12.2	71000	175500	104500	2.5

No. of Demo.	Area	Location
10	5 ha	Wangoo, Lourembam, Chairen



Visit for site selection at Chairen



Manual threshing for seed purpose



Inspection team at Chairen

Crop	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check (Qt/ha)	% increase	Gross Cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio (GR/GC)
		H	L	A						
Rice Var.RC Maniphou 12	<ul style="list-style-type: none"> • Seed rate: 45 kg/ha •N:P:K :60:40:30(N in three splits,K in two splits) •Rogueing as per need •PP : Seed treatment , as and when needed •Spacing:20cm x 15 cm •Weed control: 1 pre emergence & 1 HW 	48	43	46	40	15	69000	128800	59800	1.87



View of crop Harvesting

No. of Demo.	Area	Location
10	3 ha	Wangoo,, Chairen, Sekmaiijn



View of Nursery plot



Early crop Stage



Mature crop stage

FLD 3. Popularization of mustard var. DRMR-150-35 under Zero tillage

Crop	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check (Qt/ha)	% increase	Gross Cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio (GR/GC)
		H	L	A						
Mustard Var. DRMR-150-35	Zero tillage Fertilizer: Urea-80 kg/ha SSP-250 kg/ha MOP-40 kg/ha	Crop is in the fields								



Earlier Stage of crop



Flowering stage of crop

Discipline: Plant protection

FLD- 1.Demonstration-Popularisation on management of Thrips and Fruit Borer of chilli (1ST Year)

Crop	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	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	(Qt /Ha)	%				
Chilli	Management of Thrips and Fruit Borer of chilli with Spinetroram 12%SC 60gm ai/ha.Three sprays at 15 days interval	49	42	44	40	10	62390	264000	202604	4.23

No. of Demo.	Area	Location
8	2 ha	Wangjing, Wangbal, Wangkhem(3), Elangkhangpokpi, Lamding, Keirak



Discipline: Plant protection

FLD-2. Mgmt. of Fusarium wilt in Tomato caused by F.Oxysporium (1ST Year)

Crop	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						
Tomato	Mgmt. of Fusarium wilt in Tomato caused by F.Oxysporium by spraying Tebuconazole 250 EC(Folicur)@400ml/ha	274	251	268	260	3.08	87230	536000	448770	6.14



Technology demonstrated	No. of farmers /farm women	No of unit	Performance Parameters/indicator	Data on parameters in relation to technology demonstrated	Location
Popularization of Jackfruit chips Blanching in warm water with 1% KMS for 1 min-deep fried in cooking oil	8	8	Product Recovery/kg	700 gm	Salungpham, Lourembam, Athokpam
			Shelf life	3 months	
			B.C ratio	2.8	



Technology demonstrated	No. of farmers /farm women	No of unit	Performance Parameters/indicator	Data on parameters in relation to technology demonstrated		% Change in the parameters	Remark
				Demo	Check		
Ring cutter for bhindi – Length(mm)-140 Width(mm)-95 Wt(kg)-0.15	8	8	Production-kg/hr	9.68	2	79.34	Reduces wrist pain,avoids itching & discomfort to skin thus reducing drudgery
			Heartbeat/min	96.6	104		
			Work efficiency(time) in plucking 1 kg	6.6 min	30 min		

Location:- Lourembam,Khangabok,Thoubal

