

**Frontline Demonstrations (FLD)**  
**(2019-20)**

## FLDs Summary 2019

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	<b>Drought like situation</b>
Plant Protection	Chilli	1	8	8	100	
	Tomato	1	8	9	112.5	
	Sugarcane	1	10	10	100	
PBG	Rice(2)	2	20	20	100	
Home Sc.	Drudgery Reduction(B hindi Cutter)	1	10	8	80	
	Production of Jackfruit chips	1	10	8	80	
	<b>Total</b>	<b>8</b>	<b>76</b>	<b>67</b>		

# **Frontline Demonstrations Details**

# Discipline -Agronomy

## FLD 1. Popularization of Modified SRI 2<sup>nd</sup> Year

Crop	Technology demonstrated
Rice Var. Tampha phou	<ul style="list-style-type: none"> <li>•Seed rate:-7-10 kg/ha</li> <li>•Organic manure:10t/ha</li> <li>•NPK: 50% of recommended dose</li> <li>•Seedling age :18-20 days</li> <li>•No. of seedling/hill:1</li> <li>•Irrigation:imtermittent wetting &amp; drying</li> <li>•Weedmgmt.: Cono + HW 2times at 10 days interval</li> </ul>

Demonstration Yield(Qt/Ha)			Yield of local Check (q/ha)	% increase	Gross Cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio (GR/GC)
H	L	A						
7.8	6.1	7.2	4.3	40.27	67,000	1,44,000	77,000	2.14

Area:1.25 ha

No. of Demo: 5

Location

Hijam Khunou, Thoubal Okram, Wangjing, Wangoo(2)



## Discipline -PBG

## FLD 1. Participatory seed production of Rice Var. RC Maniphou-13 (2<sup>nd</sup> Year)

**Crop :**  
Rice Var.RC Maniphou 13

### Technology demonstrated

- 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

### Location

Wangoo, Lourembam,  
Chairen

Demonstration Yield(Qt/Ha)			Yield of local Check (q/ha)	% increase	Gross Cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio (GR/GC)
H	L	A						
60	45	5.2	4.9	12.2	71000	175500	104500	2.5



Visit for site selection at Chairen

No. of Demo:10

Area: 5 ha



Manual threshing for seed purpose



Inspection team at Chairen

Crop	Technology demonstrated
Rice Var.RC Maniphou 12	<ul style="list-style-type: none"> <li>• Seed rate: 45 kg/ha</li> <li>•N:P:K :60:40:30(N in three splits,K in two splits)</li> <li>•Rogueing as per need</li> <li>•PP : Seed treatment , as and when needed</li> <li>•Spacing:20cm x 15 cm</li> <li>•Weed control: 1 pre emergence &amp; 1 HW</li> </ul>

Demonstration Yield(Qt/Ha)			Yield of local Check (q/ha)	% increase	Gross Cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio (GR/GC)
H	L	A						
48	43	46	40	15	69000	128800	59800	1.87

No. of Demo.	Area
10	3 ha

**Location:**  
Wangoo,, Chairen, Sekmai jin



**View of crop Harvesting**



**View of Nursery plot**



**Early crop Stage**



**Mature crop stage**

Discipline: Plant protection

**FLD- 1.Demonstration-Popularisation on management of Thrips and Fruit Borer of chilli (1<sup>ST</sup> Year )**

Crop	Technology demonstrated
Chilli	Management of Thrips and Fruit Borer of chilli with Spinetroram 12%SC 60gm ai/ha.Three sprays at 15 days interval

Demonstration Yield(Qt/Ha)			Yield of local Check (q/ha)	% increase	Gross Cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio (GR/GC)
H	L	A						
49	42	44	40	10	62390	264000	202604	4.23

**No. of Demo. : 8      Area : 2 ha**

**Location:** Wangjing, Wangbal, Wangkhem(3), Elangkhangpokpi, Lamding, Keirak



## Discipline: Plant protection

### FLD-2. Mgmt. of Fusarium wilt in Tomato caused by F.Oxysporium (1<sup>ST</sup> Year )

Crop	Technology demonstrated
Tomato	Mgmt. of Fusarium wilt in Tomato caused by F.Oxysporium by spraying Tebuconazole 250 EC(Folicur)@400ml/ha



No. of Demo. : 8

Area : 2 ha

**Location:** Tentha khunou awing leikai, Elangkhanpokpi makha leikai, Langathel chingdong leikai, Sikhong, Heirok –II, Wabagai thingel leikai, Narengbam leikai wangjing, Wabagai

Demonstration Yield(Qt/Ha)			Yield of local Check (q/ha)	% increase	Gross Cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio (GR/GC)
H	L	A						
274	251	268	260	3.08	87230	536000	448770	6.14



## Discipline: Plant protection

### FLD-3.Demonstration on shoot borer and smut management in sugarcane(Rabi 2019)

Crop	Technology demonstrated
Sugarcane	Chlorpyrifos 20% @ 2.5 ml/litre + Propiconazole 25% @ 1 ml/litre water in sugarcane fields at knee high stage and at 20 days after first spray.



**No. of Demo. : 10**

**Area : 2.5 ha**

**Location:** Keirak mamang leikai, Kakching laipham lotnung, Kakching lamkhai, Paji leikai, Sumak leikai, Salungpham, Keirak

Demonstration Yield(Qt/Ha)			Yield of local Check (q/ha)	% increase	Gross Cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio (GR/GC)
H	L	A						
392	370	386	350	10.28	172000	480000	308000	2.79

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, Lourebam, Athokpam
			Shelf life	3 months	
			B.C ratio	2.8	



**Technology:** Ring cutter for bhindi –Length(mm)-140 Width(mm)-95Wt(kg)-0.15

Performance Parameters/indicator	Data on parameters in relation to technology demonstrated		% Change in the parameters	Remark
	Demo	Check		
<b>Production-kg/hr</b>	9.68	2	79.34	Reduces wrist pain,avoids itching & discomfort to skin thus reducing drudgery
<b>Heartbeat/min</b>	96.6	104		
<b>Work efficiency(time) in plucking 1 kg</b>	6.6 min	30 min		

No. of Units:8

No. of farmers:8

**Location:-**  
 Lourebam,  
 Khangabok,  
 Thoubal





**Popularization of Modified SRI**



**Popularization of Rice Var. RC Maniphou-12**



**Popularization of Ring cutter for bhindi Plucking**



**Popularisation on management of Thrips & Fruit Borer of chilli**