

FLDs (Discipline-Wise Summary)

Discipline	Crop / Enterprise	Number of technology demonstrated	No. of demonstrations		% of achievement
			Target	Achievement	
PBG	Paddy	1	12	12	100
	Paddy	1	12	12	100
	Maize	1	12	12	100
Fishery	Fish cum duck	1	10	10	100
	Fish cum paddy	1	10	10	100
	Amur carp	1	10	10	100
Plant protection	Pea	1	5	5	100
	Paddy	1	8	8	100
	Mushroom	1	5	5	100
Horticulture	King chilli	1	4	4	100
	Pumpkin	1	6	6	100
	French Bean	1	6	6	100
Animal science	Poultry	1	10	10	100
	Duckery	1	10	10	100
	Duckery	1	10	10	100

FLDs (Discipline-Wise Summary)

Discipline	Crop / Enterprise	Number of technology demonstrated	No. of demonstrations		% of achievement
			Target	Achievement	
Agril Extn.	Maize & Groundnut	1	40 respondents	40 respondents	100
	Crop production technology	2	40 respondents	40 respondents	
Agro-forestry	Tree bean, citrus, hollock, Pulse crop	1	4	4	100
Home Science	Nutrition garden	1	10	10	100
	Charcoal Briquette	1	10	10	100
Farm Manager	Gerbera	1	3	3	100
	Total	21	157 & 80 respondents	157 & 80 respondents	

FLD on IPM on yellow stem borer in rice (Plant Protection)- 2nd yr

Area= 2 ha, No. of Demo.= 8. Village- Hengbung, Mayangkhang, Ningthoupham

Technology demonstrated

i. Early planting on June, ii. Balance and split application of Nitrogen fertilizer NPK@60:40:30kg/ha 30 kg N as basal 15 kg N at tillering and 15 kg at panicle initiation stage, iii. Use of pheromone trap @8 traps/ ha. iv. Release of trichogramma chilonis @70000 egg/ ha. twice from 30 DAT

Demonstration Yield (Qt/Ha)

Yield of local Check

% increase in yield

Percent pest incidence

H L A

q/ha)

%

Demo

Local

39.2

34.8

38

28.5

33

10%

38%



Economics of demonstration (Rs./ha)

Gross Cost	Gross Return	Net Return	B:C Ratio
43560	76000	32440	1.74:1

Economics of check (Rs./ha)

Gross Cost	Gross Return	Net Return	B:C Ratio
36220	57000	20780	1.57:1

FLD on IDM for dry foot rot in pea (Plant Protection)- 1st yr

Area= 1 ha, No. of Demo.= 5. Village- Chongphun & Makuilongdi

Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield	Percent pest incidence	
	H	L	A	q/ha)	%	Demo	Local
	Seed treatment with <i>T. viride</i> @ 5g/kg seed, Foliar application of carbendazim @ 0.05% twice at 10 days intervals on appearance of disease	16	14	13.5	10.5	36.4	12.3%



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
43216	94500	51284	2.18:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
39175	73500	34325	1.87:1

FLD on Popularisation of french bean var. Arka Anoop (Horticulture)-1st yr

Area= 2 ha, No. of Demo.= 16. Village- Oklong, Karong

Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield
	H	L	A	q/ha)	%
	Var. Arka Anoop Yield potential of 200 q/ha. Duration of 70-75 days Combined resistance to rust and bacterial blight	143.3	138.6	140.9	110.5



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
57600	169080	111480	2.93:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
51800	132600	80800	2.55:1

FLD on Popularisation of kharif pumpkin var. Arjuna (Horticulture)- 1st yr.

Area= 1 ha, No. of Demo.= 6. Village- Wainem, Karong, Molhoi

Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield
	H	L	A	q/ha)	%
	Var. -Arjuna , Duration: 120-140 days, potential yield- 300-320q/ha	217.6	215.3	216.4	158.5



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
50500	151480	100980	2.99:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
43000	110950	67950	2.58:1

FLD on Year round cultivation of king chilli in micro- climate (poly house) (Horticulture)- 1st yr

No. of Demo.= 4 units(1 unit= 400 sq. Ft.) Village- Taphou Phymai, T. Khullen

Technology demonstrated	Demonstration Yield (kg/unit)			Yield of local Check	% increase in yield
	H	L	A	(kg/unit)	%
	Spacing 50cm x 50 cm, FYM @ 5kg/2sq.m., NPK @ 3gm:2gm:2gm per plant at the time of transplanting	72.2	68.5	70.3	58.5



Economics of demonstration (Rs./ha)

Gross Cost	Gross Return	Net Return	B:C Ratio
9800	21090	11290	2.15:1

Economics of check (Rs./ha)

Gross Cost	Gross Return	Net Return	B:C Ratio
9400	16380	6980	1.74:1

FLD on Popularisation of paddy var RC Maniphou 12 (PBG)- 1st yr

Area= 3 ha, No. of Demo.= 12. Village- Makhán & Ningthoupham

Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield
	H	L	A	q/ha)	%
	Var. RC Maniphou 12, Seed rate- 60kg/ha, NPK @ 60:40:30 kg/ha , Duration : 90-105 day Potential yield: 4.5-5t/ha				
	42.3	38.7	39.4	31.6	24.7



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
42646	78800	36154	1.84:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
37650	63200	25550	1.67:1

FLD on Popularisation of seed production technology Paddy var. RC Maniphou 13 (PBG)- 1st yr

Area= 3 ha, No. of Demo.= 12. Village- Yaikhongpao, Karong

Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield
	H	L	A	q/ha)	%
	Var. RC Maniphou 13, Duration = 125-135 days, Potential yield=6.5-7.0t/ha , Seed rate @60 kg/ha, NPK @ 60:40:30 kg/ha , Isolation distance- 3m, Rouging as per requirement (Tillering, flowering & before harvesting)	42.8	41.7	42.4	31.6



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
43764	84800	41036	1.93:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
37650	63200	25550	1.67:1

FLD on Popularisation of maize var. HQPM 5 (PBG)- 1st yr

Area= 3 ha, No. of Demo.= 12. Village- Mayangkhang , Makuilongdi

Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield
Var. HQPM-5, Duration-88-90 days, potential yield-6t/ha, Seed rate 20 kg/ha, Seed treatment with Azotobacter @ 250 g/10kg seed, Spacing 60x 30 cm, NPK @ 100:60:40 kg/ha	H	L	A	q/ha)	%
	47.3	45.8	46.4	35.6	30.3



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
42856	78880	36024	1.84:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
35430	60520	25090	1.7:1

FLD on Popularisation of Backyard poultry rearing for empowering farm women (Animal Sc.)

No. of Units.= 10, No. of demo= 10, Village- Kangpokpi, Katomei

Technology demonstrated	Nos. of animals/poultry birds etc.	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% change
			Demo	Local	
Vanaraja breed	250 (25 birds/unit)	i. Av. Live b. wt. in Kg.	2.32kg (at 5 months)	1.32kg (at 5 months)	75%



Economics of demonstration (Rs./unit)			
Gross Cost	Gross Return	Net Return	B:C Ratio
8000	15660	7660	1.96:1

Economics of check (Rs./unit)			
Gross Cost	Gross Return	Net Return	B:C Ratio
7800	13200	5400	1.69:1

FLD on Popularisation of White pekin duck in the hills (Animal Sc.)- 2nd yr

No. of Units= 5, No. of demo= 5, Village- G. Kholep, Purul akutpa

Technology demonstrated	Nos. of animals/poultry birds etc.	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% change
			Demo	Local	
White pekin breed	125 (25birds/unit)	i. Av. Live b. wt. in Kg. (5 months)	2.38kg	1.72kg	55%



Economics of demonstration (Rs./unit)			
Gross Cost	Gross Return	Net Return	B:C Ratio
9500	17850	8350	1.88:1

Economics of check (Rs./unit)			
Gross Cost	Gross Return	Net Return	B:C Ratio
9200	12900	3700	1.4:1

FLD of Rearing of Khaki Campbell for household food nutrition (Animal Sc.)- 2nd yr

No. of Units.= 5., No. of demo= 5, Village- Pudunamei, Molhoi

Technology demonstrated	Nos. of animals/poultry birds etc.	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% change
			Demo	Local	
Khaki Campbell	125 (25 birds/unit)	i. Av. Live b. wt. in Kg.	2.1kg	1.74 kg	20.68%
		i. Egg production	178 eggs/ bird/yr	130eggs/ bird/yr	37%



Economics of demonstration (Rs./unit)			
Gross Cost	Gross Return	Net Return	B:C Ratio
14000	29550	15550	2.11:1

Economics of check (Rs./unit)			
Gross Cost	Gross Return	Net Return	B:C Ratio
12580	22386	9506	1.77:1

FLD on Popularisation of Paddy cum fish culture (Fisheries)- 2nd year

No. of Units.= 10, No. of demo= 10, Village- T.Khullen, Saddim, Karong

Technology demonstrated	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% change
		Demo	Local	
IFS (Fish species: Common carp Paddy var. local) Fish Stocking density: 5000 nos./ha of 7 cm in length Perimeter canal: Width : 1m, depth: 0.75 m	i. Fish Yield	488 kg/ ha	360 kg/ ha	35%
	i. Paddy yield	38q/ha	32q/ha	18.75 %



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
125000	255400	130400	2.04:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
119200	202000	82800	1.69:1

FLD on Popularization of Jayanti Rohu in composite fish culture system (Fisheries)- 1st year

No. of Units.= 10, No. of demo= 10, Village- Molhoi,P. Moulding, Karong

Technology demonstrated	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% change
		Demo	Local	
Stocking density: Jayanti Rohu @4500 nos. /ha + 6000 nos. carp/ ha. Culture period: 10 months Feeding: @3 % body wt.	i. Growth rate	Average length at 2.5, 5 & 10months= 14.5cm ,21.6cm & 28cm Average weight at 2.5, 5 & 10months= = 270gm,490gm & 920 gm Fish Yield= 700kg/ha	Average length at 2.5, 5 & 10months= = 11cm ,18.6 cm & 24 cm Average weight at 2.5, 5 & 10months= = 246gm ,445 gm & 600 gm Fish Yield= 500kg/ha	40%
	ii. Yield			



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
85000	210000	125000	2.4:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
78000	152300	74300	1.9:1

FLD on Popularization of Duck cum Fish culture (Fisheries)- 2nd year

No. of Units.= 10., No. of demo= 10, Village- G. Kholep, Mayangkhang, T. Khullen

Technology demonstrated	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% change
		Demo	Local	
Fish species : IMC Stoking density : 10000 nos (1000/unit) Duck breed,- white pekin @300 (30 birds/unit)	i. Growth rate & Fish Yield	Average length at 2.5, 5 & 10 months= 11.3 ,20 cm & 26.8 cm Average weight at 2.5 ,5 & 10 months = 250 gm, 440 gm & 680 gm Fish yield= 600kg/ha	Average length at 2.5, 5 & 10month= 10.4 cm, 18.4 cm & 25cm Average weight at 2.5,5 & 10 months= 223 gm,365 gm & 552.2 gm Fish yield= 480kg/ha	25%
	ii.Duck yield	642kg/ha	-	-



Economics of demonstration (Rs./ha)

Gross Cost	Gross Return	Net Return	B:C Ratio
155000	372600	217600	2.4:1

Economics of check (Rs./ha)

Gross Cost	Gross Return	Net Return	B:C Ratio
101000	189000	88000	1.8:1

FLD on Impact assessment of intercropping of maize & groundnut under rainfed condition (Agricultural Extension)

No. of respondents= 40, Village- Santolabari, Kalapahar

Technology	Performance parameters/ indicators	Result on parameters in relation to technology demonstrated	% Change	Remarks
Impact assessment of intercropping of maize with groundnut compare to sole cropping of maize	i. Income	Maize/ha= Rs.34500/- Maize+ groundnut= Rs. 48000/-	39%	-

FLD on Promotion of year round nutritional garden for household nutritional security. (Home Science)- 2nd yr.

No. of Units = 10, No. of demo= 10, Village- Saikul, Hengbung

Technology demonstrated	Performance parameters/ indicators	Results on parameters		% change
		Demo	Local	
Nutrition garden (Rabi season- Cabbage, pea, chilli, coriander, carrot, Amaranth Kharif Season- Onion, cucumber, beans, Spinach, tomato, pumpkin, coriander)	Saving in household food budget	64%	21%	43% increased saving in food budget
	Vegetable diversity in food intake	8-9	3-4	



FLD on Popularisation of Charcoal Briquette (Home Science)- 2nd yr.

No. of Units = 10, No. of demo= 10, Village- Motbung, Saparmeina

Technology demonstrated	Performance parameters/ indicators	Results on parameters	Remarks
Briquette (fuel cake): Charcoal is ground to a size less than 5 mm, and then, the mixture is mixed thoroughly with mud in a ratio of 75:25 by weight	Energy cost	Demo- Rs. 1450/month/ household	Stable & longer heat generation as compare to wood fuel thereby saving 42% in fuel cost
		Farmer practice- Rs. 2500/month/ household	



FLD on Popularization of Intercropping of MPTS with pulse crop (Agroforestry)- 2nd yr

Area= 1 ha, No. of demo= 4, Village- New selsi

Technology demonstrated	Performance parameters/ indicators	Results on parameters			
		Tree bean	Citrus	Hollock	Blackgram
Tree bean – 8mx8m as main crop Hollock as Boundary planting Citrus as filler crop Pulse crop- Blackgram as intercrop	Tree height	2-2.5ft	1-1.5ft	1.7-2.1ft	-
	Crop yield	-	-	-	6.5q/ha

Economics of blackgram (Rs./ha)

Gross Cost	Gross Return	Net Return	B:C Ratio
30050	45500	15450	1.51:1



FLD on Cultivation technology of gerbera under polyhouse (Farm Manager)- 1st yr

No. of Units.= 3 units (500m²/unit), No. of demo= 3, Village- Mayangkhang, Makhan

Technology demonstrated	Performance parameters/ indicators	Results on parameters
Var. Arka Ashwa (IIHR-3-34), Spacing- 37x30, FYM @ 5 kg/sq.m, NPK @ 12:15:20 gm/sq.m during first three months & 15:10:30 gm/sq.m from 4 th months when flowering starts in 2 split doses @ 2 weeks interval	Plant ht.	45 cm
	Flower yield/sq.m	240 flowers



Economics of demonstration (Rs./unit)			
Gross Cost	Gross Return	Net Return	B:C Ratio
55900	132000	76100	2.36:1

FLD on Year round Scientific oyster mushroom production technology (Plant Protection)- 1st yr.

No. of Units.= 4, No. of demo= 8, Village- Karong, Wainem, Mayangkhang

Technology demonstrated	Performance parameters/ indicators	Results on parameters
Oyster mushroom <i>P. flaveletus</i> , <i>P. ellum</i> , <i>P. PUK</i>	Yield/ unit (50 bags capacity unit)	72 kgs/cycle



Economics of demonstration (Rs./unit)			
Gross Cost	Gross Return	Net Return	B:C Ratio
15800	46080	30280	2.92:1