

OFT on Performance evaluation of paddy var. RC Maniphou- 12 (PBG)

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
Rice	Low yield of rabi crops due to late planting	TO1: Var. RC Maniphou 12, Duration- 105-110 days, potential yield = 40 – 45q/ha TO2: Var. CAU R1 (check)- Duration 120-130 days, potential yield = 50 – 60q/ha)	6	1ha	Ningthoupham, Mayangkhang



Parameters on Assessment	Results/ observation on selected parameters		Net return (Rs/ha)	B:C Ratio (GR/GC)
	TO1	TO2		
1. Plant ht.	124.4cm	134.2	TO1-77247	TO1- 1.87:1
2.No. of tillers/plant	8.8	6.3		
3.No. of spikelets/panicle	276.5	184.3	TO2-45690	TO2-1.6:1
4. Yield of paddy	38.4 q/ha	41.5 q/ha		
5. Yield of rabi pulse (fieldpea)	15.24q/ha	11.86q/ha		

OFT on Performance evaluation of lentil var. . IPL 316 (PBG)

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
Lentil	Poor varietal diversification	TO1: Var. IPL 316 (Resistant to rust & moderately tolerant to wilt, potential yield= 16-18q/ha) TO2: var. L-4076 (check)	6	1ha	Sadu koireng, New Saikul



Parameters on Assessment	Result/ observation on selected parameters		Net return (Rs/ha)	B:C Ratio (GR/GC)
	TO1	TO2		
1.Plant height	45.6 cm	44.35cm	TO1- 22104	TO1- 1.73:1
2.No. of seeds/pod	2	2	TO2- 10322	TO2- 1.54:1
3.Yield	6.52 q/ha	5.43 q/ha		

OFT on Cultivation of tomato in Kharif & Rabi season by adjusting sowing time (Horticulture)

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
Tomato	Less availability & high price of tomato during offseason	TO1 = Summer planting (Feb/March) TO2 = Rabi planting (Sept)	6	1ha	Karong, Molhoi



Parameters on Assessment	Result/ observation on selected parameters		Net return (Rs/ha)	B:C Ratio (GR/GC)
	TO1	TO2		
1.Yield	260.5 q/ha	245.6 q/ha	TO1-268675	TO1-3.23:1
2.Plant height	87.3cm	82.6 cm		
3.No. of fruits per plant	63	45	TO2- 248560	TO2- 2.99:1

OFT on Growing of king chilli in micro- climate (poly house) (Horticulture)

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	No. of Unit	Villages
King chilli	Low yield and poor quality of king chilli in open condition	TO1: Rabi (Polyhouse) Spacing 50cm x 50 cm, FYM @ 5kg/2sq.m., NPK@ 3gm:2gm:2gm per plant at the time of transplanting TO2: Kharif – Normal open condition	6	6 (1 unit= 200 sq m.)	Taphou Phyamai, T. Khullen



Parameters on Assessment	Results/ observation on selected parameters		Net return (Rs/unit)	B:C Ratio (GR/GC)
	TO1	TO2		
i. Plant ht.	110 cm	96 cm	TO1-1220	TO1-2.37:1
ii.No. of fruits per plant	40-60 nos	35-50 nos	TO2-3040	TO2-1.69:1
iii.Fruit Size	5.3 cm (L), 2.2 cm (B)	5.00 cm (L), 1.8 cm (B)		
iv. Fresh Fruit weight	7.2 gm	6.8 gm		
v.Yield (Kg/units)	70.4 kg/unit	49.6 kg/unit		

OFT on IDM of dry foot rot in pea (Plant Protection)

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
Pea	Low yield due to dry foot rot	TO1: Seed treatment with slurry of trichoderma viride @5g/kg seed, Foliar application of carbendazim @ 0.05 % at an interval of 10 days on appearance of disease TO2: Prophylaxis application of carbendazim @ 1g/L water once randomly & applying wood ashes (Farmer practices)	4	1ha	Siangai Namdai, Nungang



Parameters on Assessment	Results/ observation on selected parameters		Net return (Rs/ha)	B:C Ratio (GR/GC)
	TO1	TO2		
i. Percent disease incidence	12.7%	23.6%	TO1-38860	TO1-1.83:1
ii. Yield	14.23q/ha	12.8q/ha	TO2-10600	TO2-1.3:1

OFT on IPM for root knot nematodes in king chilli (Plant Protection)

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
King chilli	Low yield due to Root Knot nematode	TO1: Summer ploughing, Application of carbofuran @0.3 g a.i /sq m. before sowing and root dip treatment of seedlings in 500 ppm (5g/l) carbofuran TO2: Application of wood ash and foliar application of cypermethrin@ 1ml/l water (Farmer practice)	4	1ha	Mapao Khunnou & Nungang



Parameters on Assessment	Results/ observation on selected parameters		Net return (Rs/ha)	B:C Ratio (GR/GC)
	TO1	TO2		
i. Percent pest incidence	13%	26 %	TO1-69542	TO1-2.67:1
ii. Yield	33.46 q/ha	21.56 q/ha	TO2-36530	TO2-2.1:1

OFT on Seed production of improved variety of Common carp (Amur carp) (Fishery)

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	No.of Units	Villages
Amur Carp	Unavailability of quality fish seed	Species: Amur carp, Hormone: Ovaprim/Ovatide Dose of hormone -female :0.3ml-0.5ml/kg body weight Male: 0.2-0.3ml/kg body weight Sex ratio (F:M)-1:2 on body wt. basis	4	4 (1kg F:2kg M)	Hengbung, Makhan



Parameters on Assessment	Results/ observation on selected parameters		Net return (Rs/unit)	B:C Ratio (GR/GC)
	Technology	Farmer practice		
i.Hatching percentage	70%	Natural breeding	14660	2.3:1
ii.Survival percentage	30%			
iii.Average egg produced per kg body weight	1lakh/kg body wt			

OFT on Integrated Fish-cum-Poultry-cum-horticulture farming (Fishery)

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
Carps , poultry and horticulture	Under utilization of available resources	Fish component : IMC and EC with stocking density 8000 nos./ha, Stocking ratio: 3:4:3 Livestock : poultry- Vanaraja layers 25 nos. Horticulture component : vegetables in the surrounding area, fruit trees banana on the dykes	4	0.4ha	Leilon, Wainem, Makhan



Parameters on Assessment	Results/ observation on selected parameters		Net return (Rs/unit)	B:C Ratio (GR/GC)
	TO1	TO2 (Farmer practice)		
i. Av. Fish yield	250kg/unit area (0.1 ha)	192kg/unit area (0.1ha)	TO1-32215	TO1-1.98:1
ii. Poultry yield	62.5 kg			
iii. Horticulture yield (Cabbage onion, garlic)	350 kg vegetables		TO2-9600	TO2-1.32:1

OFT on Introduction of Kamrupa poultry (Animal Science)

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	No. of units	Villages	Net return (Rs/Unit)	B:C Ratio (GR/GC)
Poultry	Less availability of local bird	TO1: Kamrupa birds (dual purpose, multicoloured) TO2: Local (Non descript)	10	10 (30 birds/unit)	Makuilongdi & Leilon	12570	1.87:1

Results of Parameters

Av. Live Body wt.(in gm)	Months	1	2	3	4	5	6
	TO1	615	725	945	1120	1215	1335
	TO2	395	525	765	885	1025	1135

Av. Egg production (Annual)	TO1	115eggs/yr
	TO2	74 eggs/yr



OFT on Introduction of Kadaknath birds (Animal Science)

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	No. of units	Villages	Net return (Rs/unit)	B:C Ratio (GR/GC)
Poultry	Non availability of poultry meat with high nutritional value	Kadaknath birds (low fat & cholesterol content, high protein)	10	10	Wainem and Molhoi village	13260	2.1:1

Results of Parameters

Av. Live Body wt.(in gm)	Months	1	2	3	4	5	6
	TO1		485	615	810	1025	1115



OFT on Impact study of CFLD of Rabi oilseeds (Agricultural Extension)

Crop	Technology/ methodology/ Social Concept	No. of respondents	Parameters on Assessment	Results on parameters
Oilseeds	Impact study of CFLD of Rabi oilseeds	30	Yield gap	Yield gap= 37%

OFT on Impact assessment of vermicomposting on winter vegetables production (Agricultural Extension)

Crop	Technology/ methodology/ Social Concept	No. of respondents	Parameters on Assessment	Results on parameters
Vegetables	Impact assessment of vermicomposting on winter vegetables production	20	Area covered	1.5 ha
			Cropping intensity	13%
			Income	9% increase in income