

On Farm Testing (Discipline-Wise Summary)

Discipline	Crop / Enterprise	Number of technology/ Social Concept		No. of trials		% of achievement
		Assessed	Refined	Target	Achievement	
PBG	Rice	1	-	6	6	100
	Rapeseed	1	-	6	6	100
Horticulture	Pea	1	-	6	6	100
	Cabbage	1	-	6	6	100
Plant protection	Maize	1	-	4	4	100
	Onion	1		5	5	
Animal Sc.	Poultry	1	-	5	5	100
	Poultry	1	-	5	5	100
	Poultry	1	-	5	5	
Agri. Extn.	Pulses	1	-	25	25	100
	Tomato	1	-	50	50	100
Fisheries	Fish	1	-	5	5	100
	Fish	1		4	4	100
Total		13		53 & 75 respondents	53 & 75 respondents	

OFT on Performance of Jhum paddy (PBG)- 2nd year

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
Rice	Low yield of local cultivar	TO1: Var. CAU R2, (Duration- 95-100 days, Average yield = 25q/ha) TO2: Var. RC Maniphou 6 , (Duration- 125-130 days, Average yield = 48-54q/ha) TO3: Local Cultivar	6	1ha	New Selsi, G.Kholep



Parameters on Assessment	Results/ observation on selected parameters			Net return (Rs/ha)	B:C Ratio (GR/GC)
	TO1	TO2	TO3		
1. Plant ht. (cm)	86.4	121.3	126.5	TO1-19622	TO1- 1.47:1
2.No. of tillers/plant	7.5	8.2	6.4	TO2-22022	TO2-1.75:1
3.No. of spikelets/panicle	224.5	257.6	176.4	TO3-10654	TO3- 1.2:1
4. Yield	24.4 q/ha	27.2 q/ha	21.3q/ha		

OFT on Performance of late sown rapeseed variety TS- 67 in rice based cropping system (PBG)-1st year

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
Rapeseed	Low yield of rapeseed in rice based cropping system due to late sowing	TO1: Var. TS 67 (Duration – 90-95 days, Potential yield= 10-12q/ha, late sowing up to 1st week, Dec) TO2: var. M 27 (Duration – 90-95 days, Potential yield= 10-12 q/ha) TO3: (Farmers Practice) Local Yella	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	TO3		
1.Plant height	120.6cm	118.4cm	127.5cm	TO1:24118	TO1:1.84:1
2.No. of seeds/pod	71.5	68.8	60.4	TO2:19558	TO2:1.72:1
3.Yield	8.13q/ha	7.37q/ha	6q/ha	TO3: 13520	TO3: 1.61:1

OFT on Early production of garden pea var. Arkel for higher income (Horticulture)- 1st yr.

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
Garden pea	Low price during normal season	TO1: Early sowing at last week of August TO2: First week of October	6	1ha	Noon pani, Mayangkhang



Parameters on Assessment	Result/ observation on selected parameters		Net return (Rs/ha)	B:C Ratio (GR/GC)
	TO1	TO2		
i. Yield	42.3q/ha	54.2q/ha	TO1: 202440	TO1: 2.94:1
ii. Pod length	6.60cm	6.61cm	TO2: 167950	TO2: 2.43:1
iii.No. of seeds/pod	6-7	6-7		

OFT on Offseason cultivation of cabbage (Horticulture)- 1st yr.

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	Area	Villages
Cabbage	Low income from the normal season	TO1: Sowing during off season months (May & June) TO2: Sowing during Normal season (Oct- Nov)	6	1 ha	Makuilong di, Chawangking



Parameters on Assessment	Results/ observation on selected parameters		Net return (Rs/unit)	B:C Ratio (GR/GC)
	TO1	TO2		
i. Weight of head (gm)	1400 gm	2000gm	TO1: 190060	TO1: 3.24:1
ii. Yield	165.8 q/ha	234.2q/ha	TO2: 133560	TO2: 2.48:1

OFT on IPM of FAW on maize (Plant Protection)- 1st year

Crop	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
Maize	Low yield due to FAW	<p>TO1: Seed treatment with Thiomethoxam 19.8% @ 4ml/kg seed, Use of microbial pesticide Metarhizium anisopliae talc formulation @ 5g/l whorl application at 15-25 DAP, twice at 10 days interval, Application of Neem seed kernel oil/ Azadirachtin 1500 ppm @ 5ml/l, Chlorantraniliprole 18.5% @ 0.4ml/l at early whorl to late whorl stage</p> <p>TO2: Application of wood ash and hand picking of worm</p> <p>TO3: No application</p>	4	1ha	Toribari



Parameters on Assessment	Results/ observation on selected parameters			Net return (Rs/ha)	B:C Ratio (GR/GC)
	TO1	TO2	TO3		
i. Percent pest incidence	12.2%	42.5%	44.3%	TO1-39800	TO1-1.76:1
ii. Yield	45.4q/ha	34.3q/ha	33.1q/ha	TO2-20200	TO2-1.52:1
				TO3- 18450	TO3: 1.46:1

OFT on IPM of onion leaf miner (Plant Protection)- 1st yr.

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
Onion	Low yield due to Leaf miner	TO1: Application of parasitoid <i>Aphaeres minuta</i> @ 10g/l at 30 th DAP, Application of Imidachloprid @ 0.02% at initial stage of infestation TO2: Application of wood ash & cypermethrin @ 2ml/l water TO3: Application of Fipronil 80% WG	4	1ha	Siangai & Nungang



Parameters on Assessment	Results/ observation on selected parameters			Net return (Rs/ha)	B:C Ratio (GR/GC)
	TO1	TO2	TO3		
i. Percent pest incidence	11.2%	27.4%	28.3%	TO1: 119222	TO1: 2.3:1
ii. Yield	212q/ha	196q/ha	193.3q/ha	TO2: 93150 TO3: 91257	TO2: 1.8:1 TO3:1.76:1

OFT on Seed production of improved variety of Common carp (Amur carp) (Fishery)-2nd yr

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)	Taphou phyamai, 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	25740	2.7:1
ii.Survival percentage	30%			
iii.Average egg produced per kg body weight	1lakh/kg body wt			

OFT on Performance evaluation of Pengba fish in composite culture system (Fishery)- 1st yr

Enterprise	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
IMC, Exotic Carps and Pengba	Low diversification of culture fish sp.	TO1: Stocking of IMC, Exotic carp & pengba @ 8000 nos./ha, catla 10%, silver carp 10%, Rohu 30%, Pengba 10%, Mrigal 15%, C. carp 15% TO2: Stocking of IMC, Exotic carp @ 8000 nos./ha, catla 10%, silver carp 10%, Rohu 30%, Grass- 10%, Mrigal 10%, C. carp 20%	5	0.5ha	Leilon, T. Khullen, Molhoi



Parameters on Assessment	Results/ observation on selected parameters		Net return (Rs/unit)	B:C Ratio (GR/GC)
	TO1	TO2 (Farmer practice)		
i. Fish growth at monthly interval	Average weight at 2.5, 5 & 10 months = 102.5gm, 205gm & 410 gm Average length at 2.5, 5 & 10 months = 11.5cm, 18.3cm & 23cm		TO1:15,000 TO2: 12302	TO1: 2.15:1 TO2: 1.86:1
ii. Fish yield	Yield = 800kg/ ha	Yield=852kg/ha		

OFT on Introduction of Kamrupa poultry (Animal Science)- 1st yr

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 & high price of local bird	TO1: Kamrupa birds (dual purpose, multicoloured) TO2: Local (Non descript)	5	5 (25 birds/unit)	Toribari, Purul	13485	1.88:1

Results of Parameters

Av. Live Body wt.(in gm)	Months	1	2	3	4	5	6	Av. Egg production (Annual)	TO1	115eggs/yr
	TO1	187	627	952	1128	1219	1345		TO2	74 eggs/yr
	TO2	172	522	764	878	1016	1138			



OFT on Introduction of Kadaknath birds (Animal Science)- 1st yr

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 medicinal value	Kadaknath birds (low fat & cholesterol content, high protein)	5	5 (25 birds/unit)	Wainem, Rikhumei Taphou	17500	2.2:1

Results of Parameters							
Av. Live Body wt.(in gm)	Months	1	2	3	4	5	6
	TO1		192	610	814	1020	1120



OFT on Tick repellent of egg brooding in the nest by using Urikshibi (*Vitex negundo*) leaves (Animal Science)- 1st yr

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	No. of units	Villages	Results
Poultry	Tick infestation during brooding period	ITK- Leaves of Urikshibi are mixed with dry straw which is the bedding for natural brooding , Urikshibi is used as an insect repellent during the natural brooding	5	5	Hengbung	Marked decreased in tick infestation inside the brood.



OFT on Impact study of CFLD pulses on cropping intensity (Agricultural Extension)-1st yr

Crop	Technology/ methodology/ Social Concept	No. of respondents	Parameters on Assessment	Results on parameters
Pulses	Impact study of CFLD pulses on cropping intensity	25	Cropping intensity	28% increase in cropping intensity

OFT on Adoption gap analysis of recommended package of practices for production of tomato (Agricultural Extension)-1st yr

Crop	Technology/ methodology/ Social Concept	No. of respondents	Parameters on Assessment	Results on parameters
Tomato	Adoption gap analysis of recommended cultivation package of practices for tomato	50	Recommended practice	62% adoption gap