

On Farm Testing (Discipline–Wise Summary)

Discipline	Crop/ enterprise	No. of Technology/ Social Concept		No. of trials		% of achieveme nt
		Assessed	Refined	Target	Achievement	
Horti.	Garden pea	1	-	6	4	67
PBG	Soyabean	1	-	6	4	67
	Paddy	1	-	6	5	83
Fishery	Magur (Clarius batrachus)	1	-	5	5	100
	Periphyton	1	-	5	5	100
Plant Protection	Kingchilli	1	-	5	5	100
	Rice	1	-	5	5	100
Animal Science	Poultry	1	-	10	7	70
	Poultry	1		10	8	80
Agri. extension	Milletts	1	-	60 respondents	40 respondents	67
Total		10 (11)		58 trials & 60 respondents	48 trials & 40 respondents	

OFT Horticulture: Performance of Gardenpea var. Kashi Ageti- 1st yr.

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
Garden pea	Low yield of existing variety	<p>TO1: Var. Kashi Ageti, Duration- 95-100 days, Potential yield- 95-105 q/ha Seed rate – 60 kg/ha.Spacing – 30 cm x 15 cm, Seed treatment with Trichoderma @ 2gm/kg seed, NPK- 20:60:40 as basal dose, FYM- 5 tonnes/ ha.</p> <p>TO2 (Farmer Practice): Var.: Arkel, Duration- 90-100 days, Potential yield- 80-90 q/ha</p>	4	0.5ha	Moirangpan and Bungte chiru
SOT: IIVR, 2018					



Parameters on Assessment	Result/ observation on selected parameters		Net return (Rs/ha)	B:C Ratio (GR/GC)
	TO1	TO2		
i. Plant height (cm) at 30, 60 DAP	11-12, 19-20	9-10, 17-18	TO1: 246650 TO2: 177800	TO1: 4.09:1 TO2: 3.23:1
ii. Days of 1 st germination	8-10 days	8-10 days		
iii. No. of pods/plant	9-10	6-8		
iv.No. of seed/pod	8-9	5-6		
v. Days to 50 % flowering	41	45		
vi.Yield (q/ha)	72.5	57.2		

OFT PBG: Performance of Soyabean var. MACS 1460 -2nd year

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
Soybean	Low yield of existing variety	TO1: Var. : MACS 1460 Duration- 100 days, Potential yield = 20-25q/ha TO2 (Farmer Practice): Var.: JS-335, Duration- 100-110 days, Potential yield = 20 -22q/ha	4	1ha	Theiyong, Parengba Khunjao

SOT:
Agharkar Research Institute, Pune-2017



Parameters on Assessment	Results/ observation on selected parameters		Net return (Rs/ha)	B:C Ratio (GR/GC)
	TO1	TO2		
i. Plant height (cm)	46.8	56.24	TO1: 46800 TO2: 43760	TO1: 1.72:1 TO2: 1.66:1
ii. Days to 50% flowering	44.23	47.56		
iii. Days to maturity	110.5	111.7		
iv. No. of pods/plant	83.2	62.76		
v. No. of seeds/pod	2.4	2.2		
vi. Yield	16.63 q/ha	14.54 q/ha		

OFT PBG: Performance assessment of rice varieties-1st year

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
Rice	Low yield of existing variety	TO1: Var. : RC Maniphou 15, Duration- 125-130 days, Potential yield = 78q/ha TO2: Var.: RC Maniphou 16, Duration- 130-135 days, Potential yield = 73q/ha TO3: (Existing variety) Var. : RC Maniphou 13 Duration- 125-130 days, Potential yield =70- 80 q/ha	5	1ha	Wainem, Singai Namdai

SOT:
 ICAR- Manipur
 Centre- 2021



Parameters on Assessment	Result/ observation on selected parameters			Net return (Rs/ha)	B:C Ratio (GR/GC)
	TO1	TO2	TO3		
1.Plant height (cm)	102.4	126.2	118.8	TO1-44000	TO1-1.78:1
2.No. of effective tillers/sq.m	122	110	115	TO2-40280	TO2-1.64:1
3.No. of spikelets/panicle	236	234	232	TO3- 42680	TO3: 1.67:1
4.No. of filled grain/panicle	209	204	200		
5.Days to maturity	132	133	130		
6.Yield	42.2q/ha	41.2q/ha	41.7q/ha		

OFT PP: Management of blast disease in rice - 1st year

Crop	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
Rice	Blast	TO1: Application of Azoxystrobin + Difenconazole at 0.1% at tillering and boot stage. TO2 (Farmer Practice): Application of carbendazim @ 2 gm/lt	5	1ha	Tumnoupokpi, Pudunamai

SOT:
VPKAS, Almora
(2019)



Parameters on Assessment	Results/ observation on selected parameters		Net return (Rs/ha)	B:C Ratio (GR/GC)
	TO1	TO2		
i. Percent disease incidence	11.6	37.2	TO1-41570 TO2-37250	TO1-1.75:1 TO2-1.63:1
i. Yield	40.2 q/ha	38.1 q/ha		

OFT PP: Organic management module for insect transmitted virus (aphid/thrips/whitefly) in king chilli (CVMV & CMV)- 1st year

Crop	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
King Chilli	Viral diseases (CVMV & CMV)	TO1: i.) Yellow/ Blue band@ 10/acre ii.) Application. of Bioagent (BV) @ 5ml/l water three times at 10 days interval TO2: (Farmers practice) Application of wood ash	5	1	Tadubi, Sajouba

SOT:
VPKAS, Almora, 2019



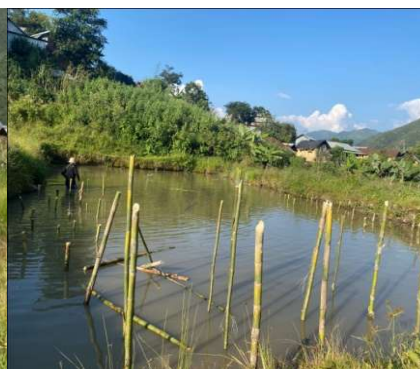
Parameters on Assessment	Results/ observation on selected parameters		Net return (Rs/ha)	B:C Ratio (GR/GC)
	TO1	TO2		
i.Percent pest incidence	14.2	38.4	T01: 320180	TO1: 3.2:1
ii.Av. pest controlled %	80.8	61.6	T02: 204800	TO2: 2.31:1
iii.Yield (q/ha)	42.2	32.5		

OFT Fisheries: Periphyton based fish farming – 1st yr

Crop / Enterprise	Major problem diagnosed	Technology details	No. of trials	Area	Villages
Fishery	Low growth rate in extensive culture system	<p>TO1: Substrate for periphyton : Bamboo pole Spacing of bamboo pole: 3x3 ft, Spreading of bamboo pole :1/3 of pond surface Stocking density: 10,000 fingerlings/ha (30:40:30) Culture period : 10-12 months</p> <p>TO2: Farmers Practice (without substrate of periphyton)</p>	5	0.5 ha	Purul Atongba, T.Khullen

SOT:
VPKAS, Almora
(2019)

Parameters on Assessment	Results/ observation on selected parameters		Net return (Rs/ha.)	B:C Ratio (GR/GC)
	TO1	TO2		
i. Survival %	80	78	-	-
ii. Avg. growth (gm)	<p>At Stocking: Length = 8cm, Weight= 10gm, At 4 months: Length= 20 cm, Weight= 212 gm, At 8 months: Length= 25 cm, Weight= 383 gm,</p>	<p>At Stocking: Length = 8cm, Weight= 10gm, At 4 month: Length= 18 cm, Weight= 190 gm, At 8months: Length= 22.4 cm, Weight= 352 gm,</p>	-	-
iii. Yield (kg)	-	-	-	-



OFT Fisheries: Introduction of grow-out monoculture of Magur (*Clarius batrachus*)

1st yr.

Enterprise	Major problem diagnosed	Technology details	No. of trials	Area (ha)	Villages
Fishery	Poor diversification of high value fish	Monoculture of Magur Stocking density:50,000/ ha , Feeding rate: 3-5% body weight, Feed : Pellet feed, Culture period : 10-12 months	5	0.5ha	Molhoi, Liyai Kalaphar

SOT:
ICAR-CIFA, 2016

Parameters on Assessment	Results/ observation on selected parameters	Net return (Rs/ha)	B:C Ratio (GR/GC)
i.Survival rate	79 % At Stocking : 10th July 2023	-	-
ii.Growth rate at different stage	Avg. Length= 3cm, Avg. weight= 5 gm At 4th months: Avg. Length= 14cm, Avg. weight= 20 gm At 8th months: Avg. Length= 19cm, Avg. weight= 68 gm		
iii.Yield	-		



OFT Animal Sc.: Performance of Srinidhi for Egg Production- 2nd 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	Low egg productivity of local check Vanaraja	TO1: Srinidhi poultry dual purpose ,140-150 eggs per year TO2 (Local Check): Vanaraja,110 eggs per year	7	7 (25 birds per unit)	Moirangpan and Joyland	TO1: 15600 TO2:12570	TO1: 2.3:1 TO2:1.85:1

Parameters	Result/ observation on selected parameters	
	TO1	TO2
Nos. of Egg production/year	136	108



OFT Animal Sc.: Performance of Kamrupa poultry under backyard poultry rearing system — 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	Low availability of local/desi birds	TO1: Kamrupa, a multi-coloured bird TO2: Local/Non descript breed	8	8 (25 birds per unit)	Mapao Khullen and Parengba	TO1 = 8160.00 TO2 = 7180.00	TO1 = 2.11:1 TO2 = 1.90:1

Parameters on Assessment	Result/ observation on selected parameters											
	TO1						TO2					
i. Average live.b.wt. (gm) at 30, 60, 90, 120, 150 & 180 days	30D	60D	90D	120D	150D	180D	30D	60D	90D	120D	150 D	180D
	280	570	855	1185	1278	1360	215	425	656	955	1142	1246



OFT Agri. Extn.: Farmer's knowledge and perception toward millets

Crop	Technology/ methodology/ Social Concept	No. of respond ents	Name of the village	Parameters on Assessment	Results on parameters
Millet	Interview method	100	Toribari, Saddim	Farmers knowledge and perception	i. Knowledge: 51 % of the respondents know about millet crops ii. Perception: 12% of the respondents perceived millet as climate resilient crop