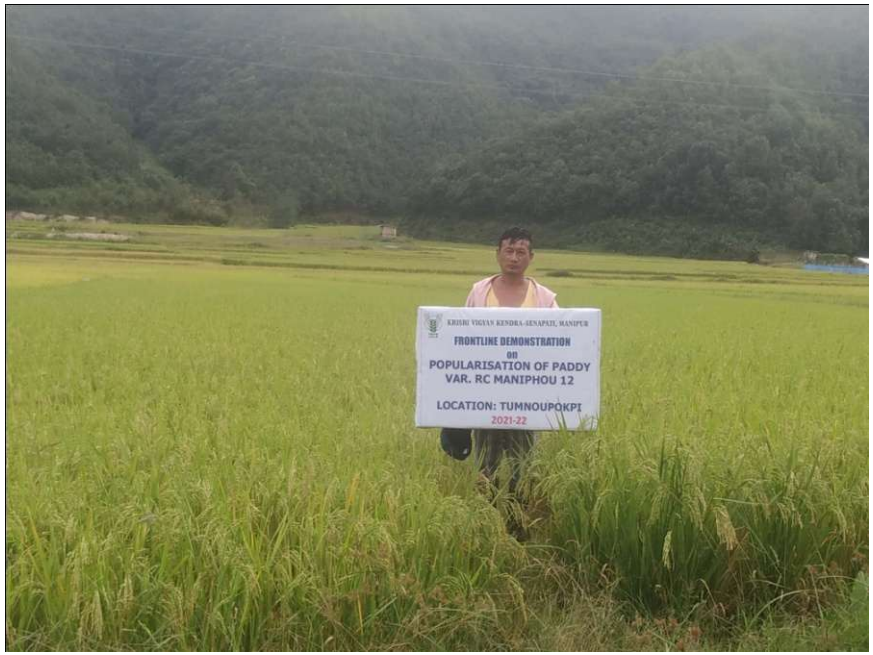
FLDs (Discipline–Wise Summary) for 2021-22

Discipline	Crop/enterprise	No. of Technology demonstrated	No. of demos		% of achievement
			Target	Achievement	
PBG	Paddy	1	12	12	100
	Paddy	1	12	12	100
	Maize	1	12	12	100
Fishery	Grass carp	1	10	10	100
	Lime	1	10	10	100
	Jayanti Rohu	1	10	10	100
Plant protection	Potato	1	4	4	100
	Maize	1	4	4	100
	Mushroom	1	5	5	100
Horticulture	Pea	1	6	6	100
	Pumpkin	1	6	6	100
	Cabbage	1	4	4	100
Animal science	Poultry	1	10	10	100
	Duckery	1	10	10	100
Agril Extension	STRY	1	50 respondents	50 respondents	100
Agro-forestry	Tree bean, citrus, hollock, Pulse crop	1	2	2	100
Home Science	Nutrition garden	1	10	10	100
	mushroom	1	10	10	100
Total		19	137and 50 respondents	137 and 50 respondents	

FLD on Popularisation of paddy var RC Maniphou 12 (PBG)- 2nd yr

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



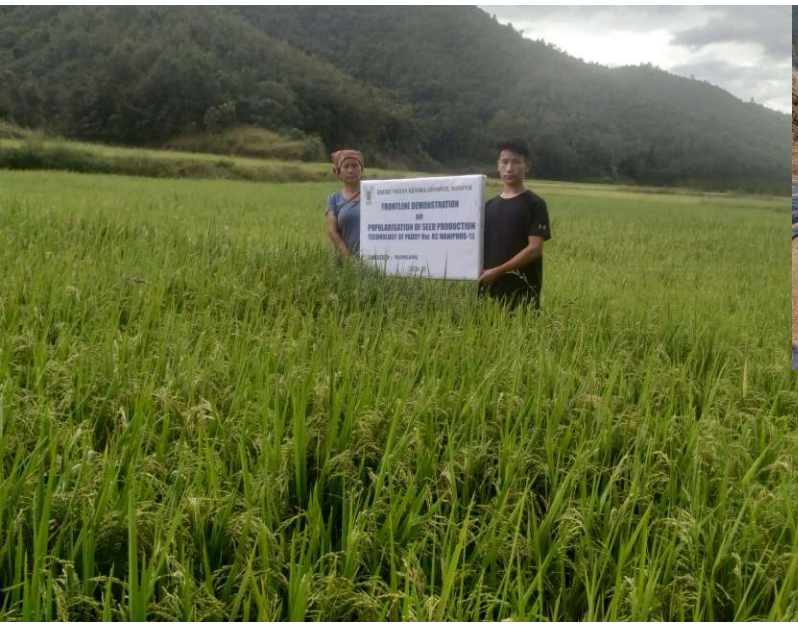
Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
42646	**78800**	**36154**	**1.84:1**

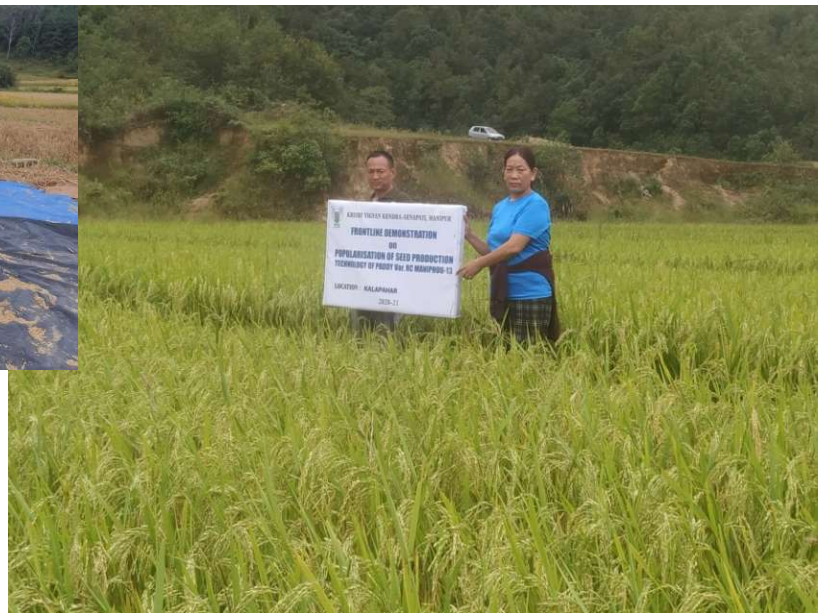
Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
37650	63200	25550	1.67:1

FLD on Popularisation of seed production technology Paddy var. RC Maniphou 13 (PBG)- 2nd yr

Area= 3 ha, No. of Demo.= 12. Village- Nungang, Kalapahar

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, Rouguing as per requirement (Tillering, flowering & before harvesting)	42.8	41.7	42.4	31.6	34.1





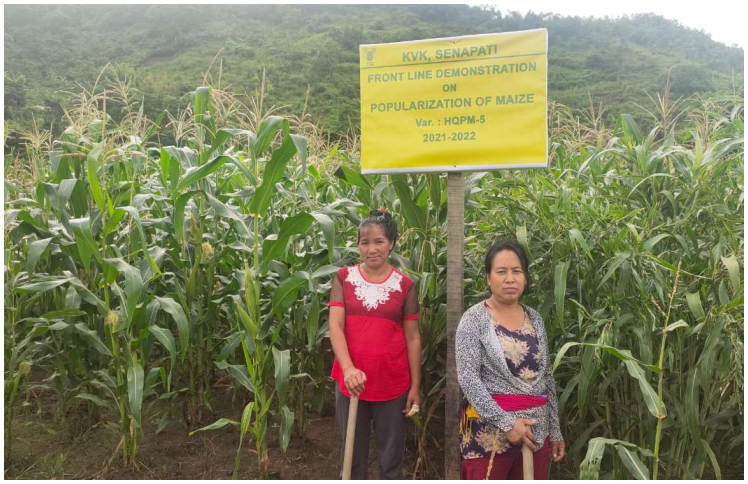
Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
43764	**84800**	**41036**	**1.93:1**

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)- 2nd yr

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

Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield
	H	L	A	q/ha)	%
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	47.3	45.8	46.4	35.6	30.3



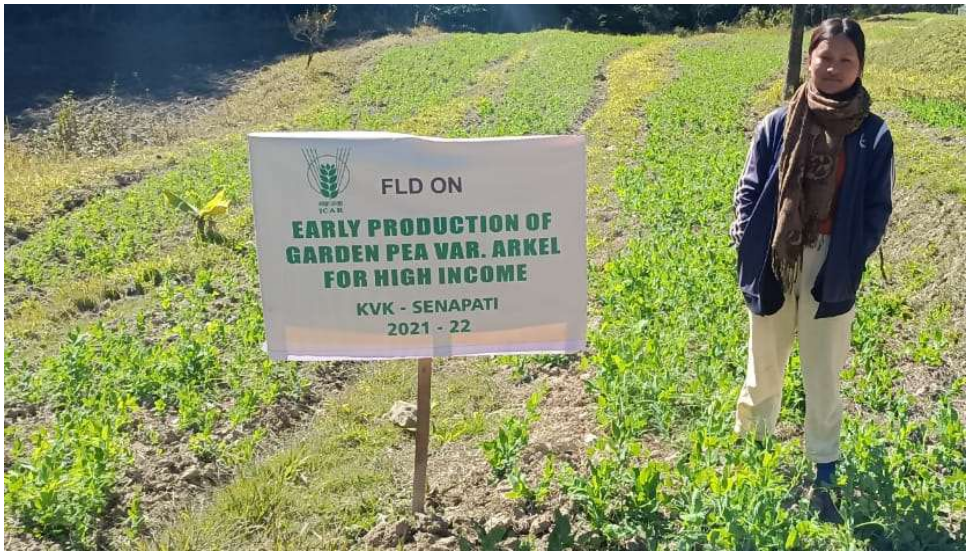
Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
42856	78880	36024	1.84:1

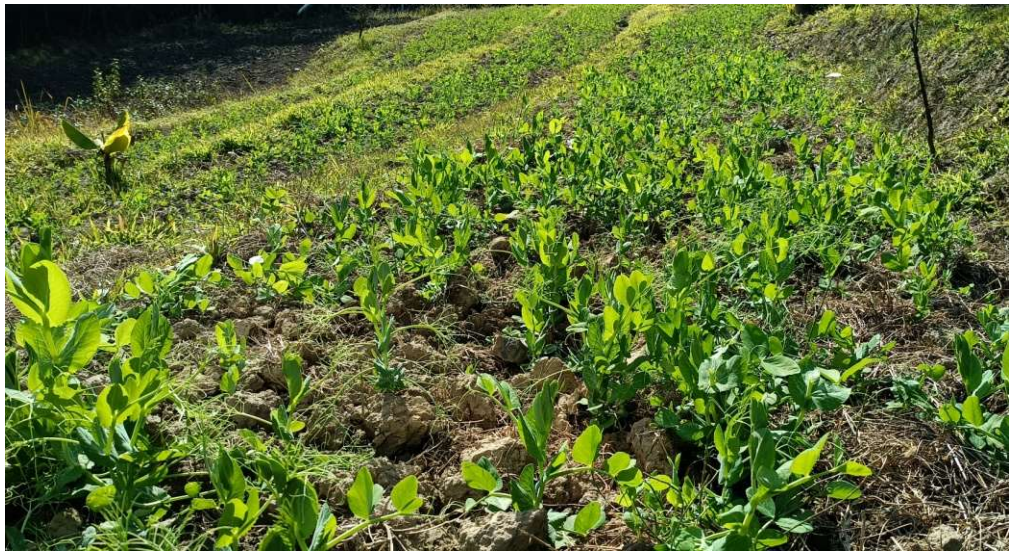
Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
35430	60520	25090	1.7:1

FLD on Early production of garden Pea Var. Arkel for higher income (Horticulture)-1st yr

Area= 1 ha, No. of Demo.= 6 , Village- Noonpani, Chawangkining

Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield
	H	L	A	q/ha)	%
Var. Arkel Early sowing at last week August Seed rate: 80 kg/ ha. Spacing: 30x 10 cm NPK-20:50:20 kg/ha	42.8	40.9	41.8	53.9	-22.4





Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
52850	200800	147950	3.8:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
49600	175600	126000	3.5:1

FLD on Popularisation of kharif pumpkin var. Arjuna (Horticulture)- 2nd 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 Seed rate 2kg/ha (2-4 seeds/hill), seed depth- 2.5 cm, FYM @ 5t/ha, NPK- 60:30:30	218.5	216.9	217.7	159.9	36.1

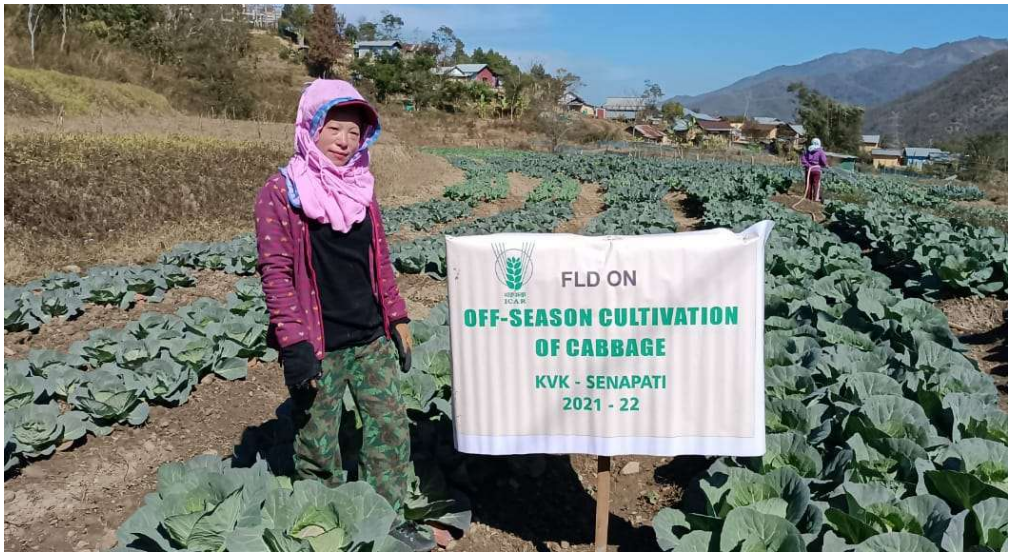
Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
55500	163275	107775	2.94:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
46000	119925	73925	2.60:1

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

Area= 1 ha, No. of Demo.= 4, Village- Karong, Mayangkhang

Technology demonstrated	Demonstration Yield (kg/unit)			Yield of local Check	% increase in yield
	H	L	A	(kg/unit)	%
Sowing during off season (May and June) Spacing: 45x45 cm FYM: @5 ton/ha. NPK:80:60:60 kg/ha	168.2	165.3	166.7	234.9	-29%



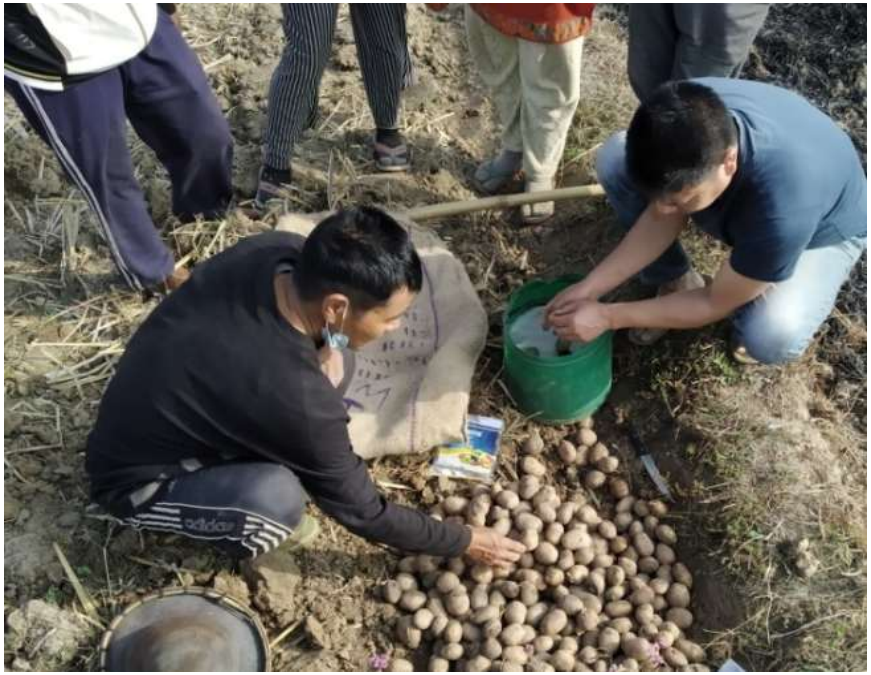
Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
61500	250050	188550	4.06:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
55800	189920	134120	3.40:1

FLD on IDM for Late blight of potato(Plant Protection)- 1st yr

Area= 1 ha, No. of Demo.= 4. Village- Siangai Namdai and Karong Vill.

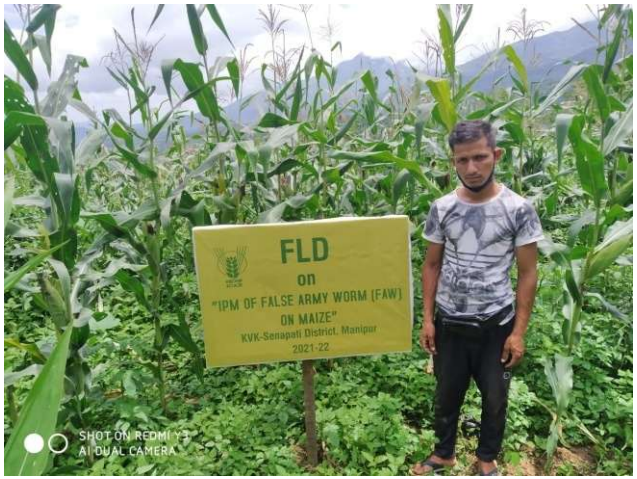
Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield	Percent pest incidence	
	H	L	A	q/ha)	%	Demo	Local
i}. Using resistant var. K. girdhari /K.Himsonaity ii}. Haulms cutting when disease Severity reaches 80% to reduce tuber infection iii}. Spray chlorothalonil 0.2% before disease Appearance followed by metalaxinl+mancozeb (0.25%)	171	163	166	142	16.9	23	74



FLD on IPM of FAW on Maize(Plant Protection)- 1st yr

Area= 1 ha, No. of Demo.= 4. Village- Taphou Phyamai , Tungjoy and Kalaphar

Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield	Percent pest incidence	
	H	L	A	q/ha)	%	Demo	Local
i. Seed treatment with Thiomethoxam @ 4ml/kg seed ii.Use of microbial pesticide *Metarhizium anisopliae* talc formulation @ 5g/l whorl application at 15-25 DAP, twice at 10 days interval iii. Application of Neem oil/ Azadirachtin 1500 ppm @ 15ml/l, or Chlorantraniliprole @ 0.4ml/l at early whorl to late whorl stage	58	48	54	34	58	12.6%	32%



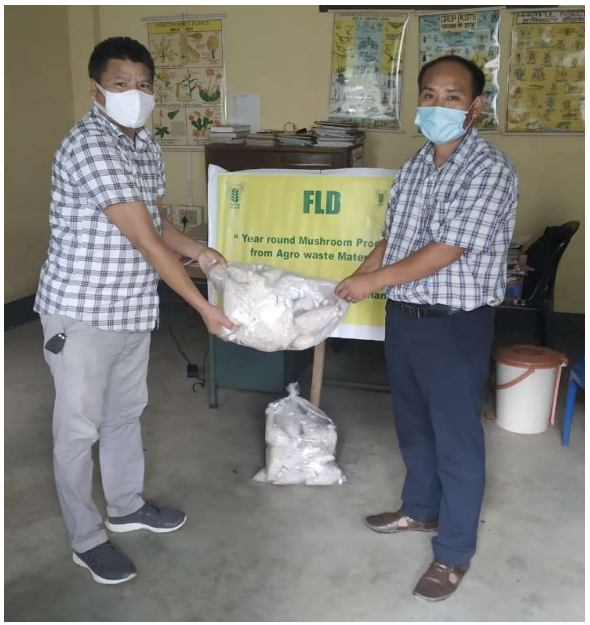
Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
35000	64800	29800	1.8:1

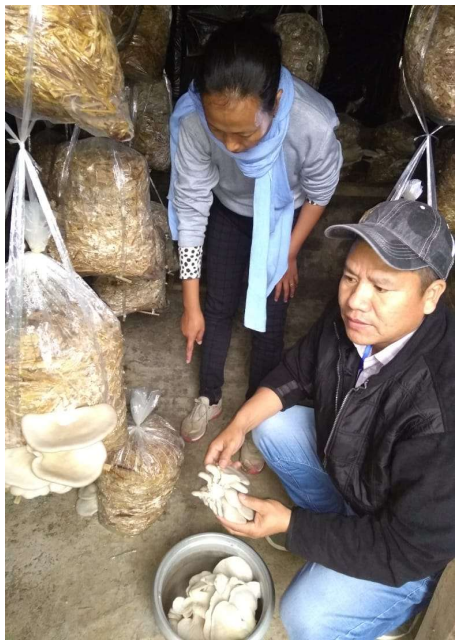
Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
22800	40800	18000	1.7:1

FLD on Year round Scientific oyster mushroom production technology (Plant Protection)- 2nd yr.

No. of Units.= 4, No. of demo= 8, Village- Toribari, Thonglanng, Khongnem, Karong

Technology demonstrated	Performance parameters/ indicators	Results on parameters
i. Chopped the paddy straw into 3-5 inches. ii. Soak the chopped paddy straw into hot water (85^{0}C) for 30-45 minutes. iii. Drain out the excess water and cool down by spreading on a sterile surface. iv.Spawning with 200 g spawn in 6kg of wet straw For spawn run bags are kept in dark room till spawn run is complete. v. Maintain Humidity 75-85% & 8-10 hrs of light during fruiting	**Yield/ unit (80 bags capacity unit)**	**118 kgs**





Economics of demonstration (Rs./unit)			
Gross Cost	**Gross Return**	**Net Return**	**B:C Ratio**
4700	17920	13220	3.8:1

FLD on Popularization of Backyard poultry rearing for empowering farm women (Animal Sc.) 2nd yr.

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

Technology demonstrated	Nos. of animals/poultry birds etc.	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% change
			Demo	Local	
Vanaraja Poultry	300 (30 birds/unit)	i. Av. Live b. wt. in Kg. (in 7 months) ii. Nos. Egg	2.185 kg 131 eggs/ hen/yr	1.121 kg 86 eggs/ hen/yr	51.30 % 34.35 %

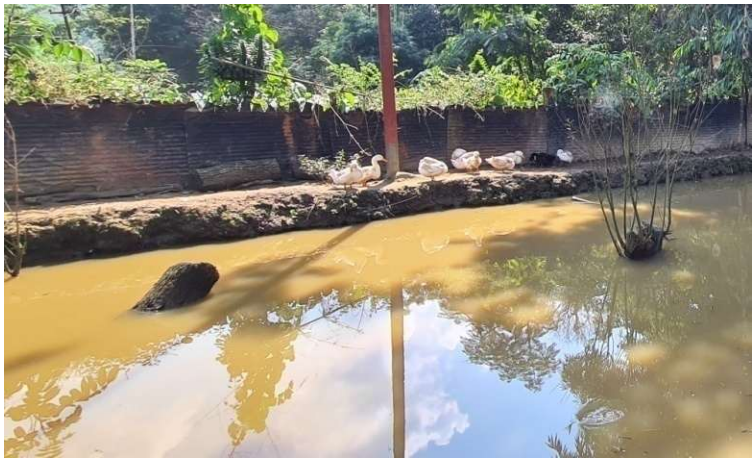
Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
7150	16387.50	9237.50	1 : 2.29

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
6650	8407.50	1757.50	1: 1.26

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	250 (25birds/unit)	i. Av. Live b. wt. in Kg. (in 3 months)	2.873 kg	1.542 kg	46.32%



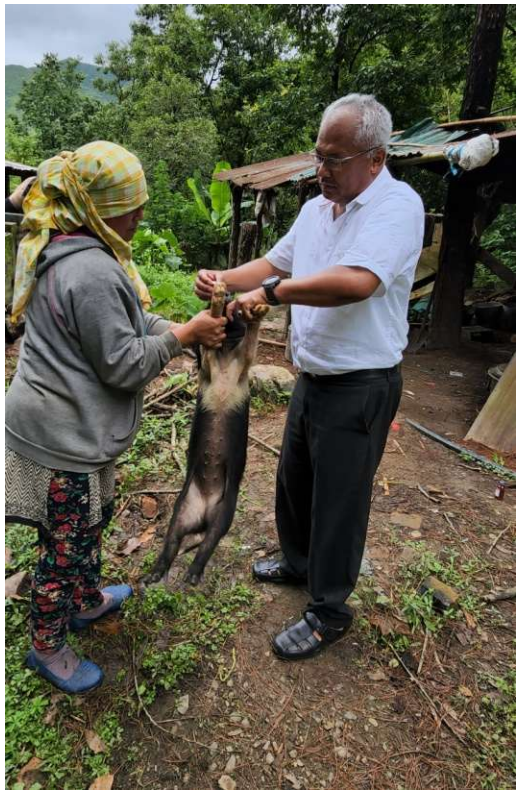
Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
8650	21547.50	12897.50	1: 2.49

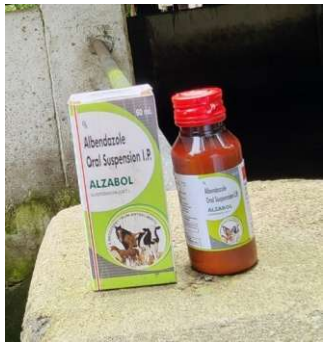
Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
8900	11565	2665	1:1.29

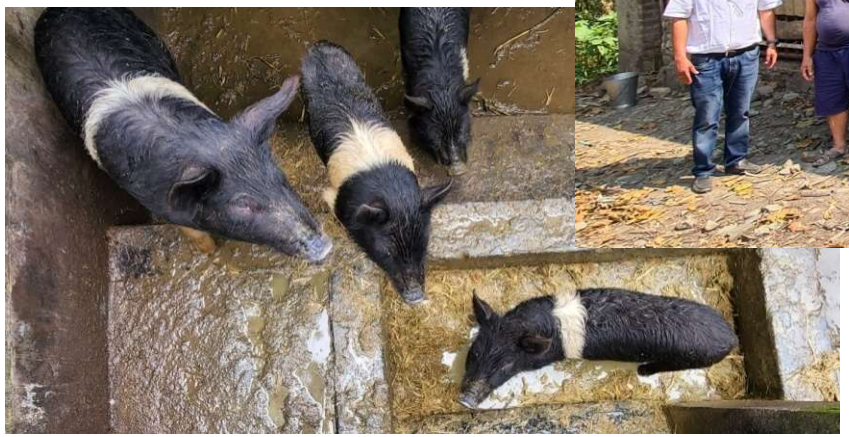
FLD on Deworming of pigs against gastro-intestinal parasites (Animal Sc.)- 2nd yr

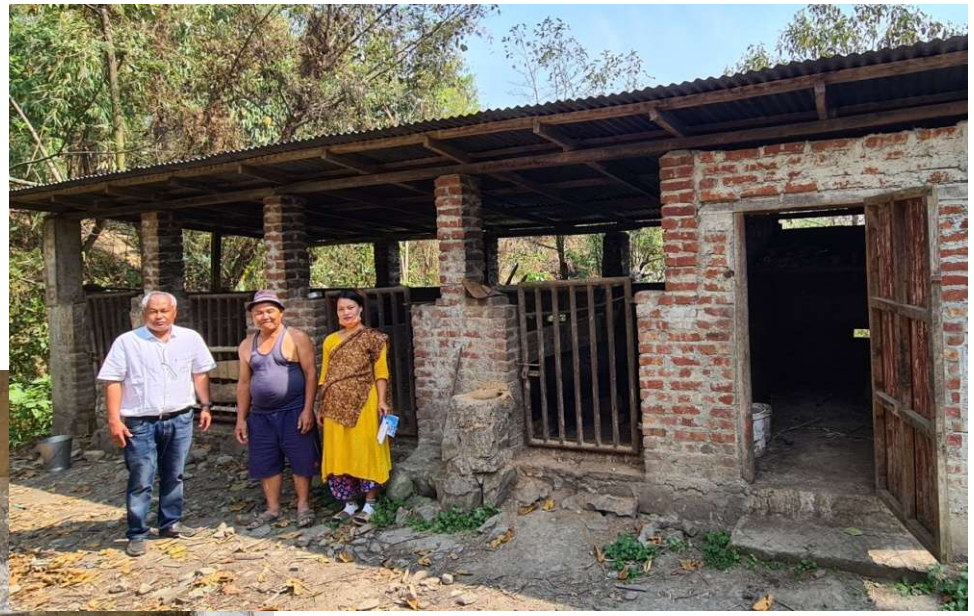
No. of Units= 20, No. of demo= 20, Village- Mapao Khullen village

Technology demonstrated	Nos. of animals/poultry birds etc.	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% change
			Demo	Local	
Albendazole @ (5 – 10 mg/ kg. b.wt. per oral)	(141 pigs covered) Unit size = 7.05 piglets per unit)	i. % mortality (in 4 months)	11.76 %	32.65%	-





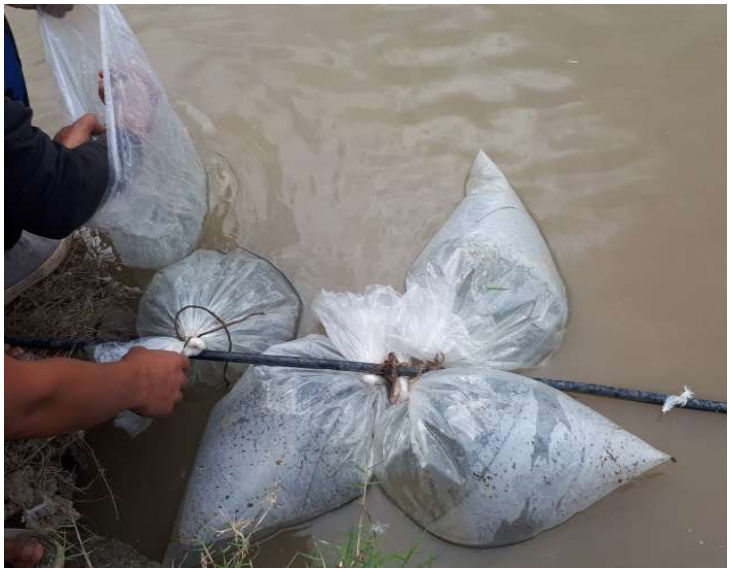


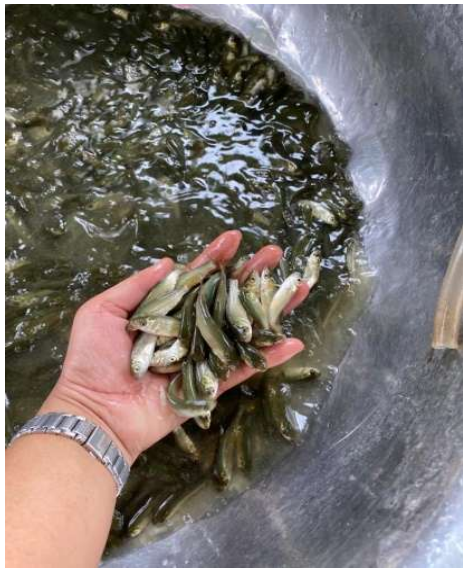


FLD on Nursery rearing of fish spawn for fish fingerling production (Fisheries)- 1st year

No. of units= 10, No. of demo= 10, Village- Leilon, Molhoi, Hengbung

Technology demonstrated	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated
Species: Grass carp Stocking density: 15 lakh spawn/ ha. Feeding: 5-10% body weight, twice a day	i.Survival percentage	40%
	i. Growth rate	Average weight at 2 months = 10 gm Average length at 2 months = 6.5 cm



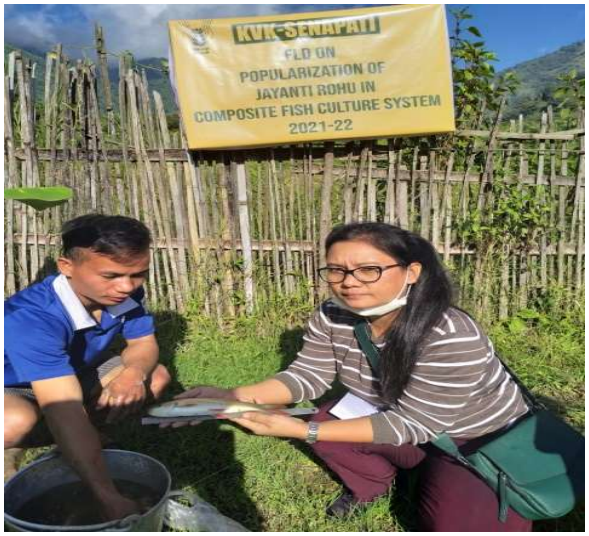


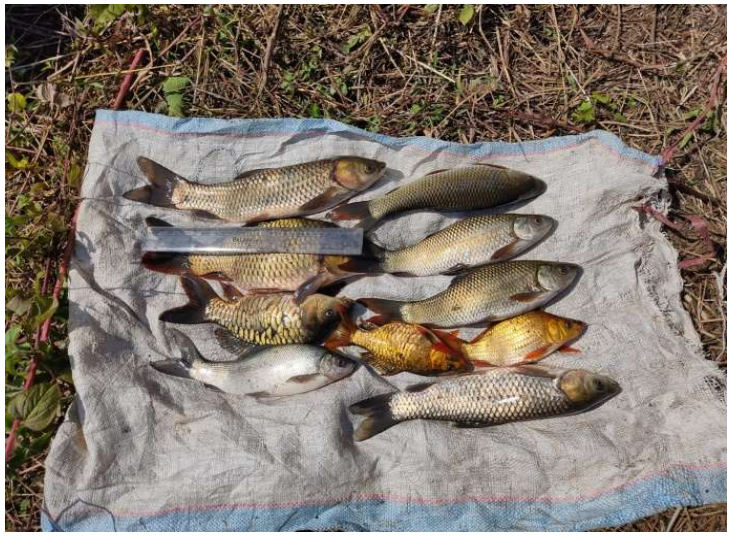
Economics of demonstration (Rs./ha)			
Gross Cost per unit	Gross Return per unit	Net Return	B:C Ratio
17,000	12,00000	10,30,000	7:1

FLD on Popularization of Jayanti Rohu in composite fish culture system (Fisheries)- 2nd year

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

Technology demonstrated	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% change
		Demo	Local	
Stocking density: Jayanti Rohu @5000 nos. /ha + 5000 nos. carp/ ha. **Culture period:** 7 months **Feeding:** @3 % body wt	i. Growth rate	Average length at 5 and 10 month= 14.6 cm and Average weight at 5 month= 390 gm and 820 gm Total Yield = 2560 kg/ha.	Average length at 5 months= 18.6 cm Average weight at 445 gm & 600 gm Total Yield = 1980 kg/ ha.	-





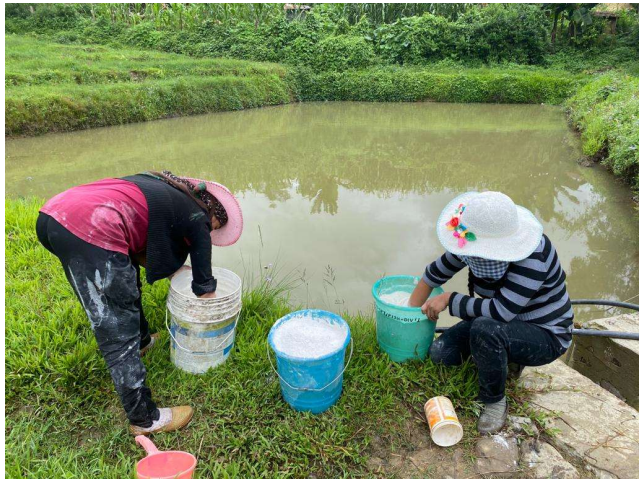
Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
220000	768000	549800	2.49:1

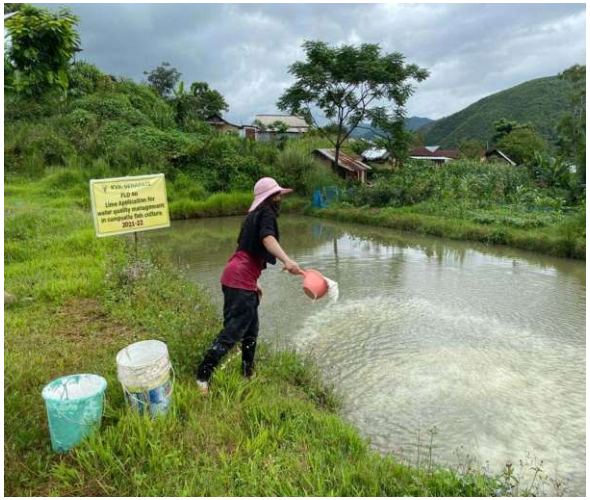
Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
220000	594000	374000	1.7:1

FLD on Lime application for water quality management in composite fish culture (Fisheries)- 2nd year

No. of Units.= 10., No. of demo= 10, Village- Leilon, Molhoi, Hengbung

Technology demonstrated	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% change
		Demo	Local	
Lime application: @300kg/ha. Fish stocking density: 8000/ha , 40% (Catla), 20 % (Rohu), 40%(C.carp)	i.Water pH	6.9	5.7	-
	i.Mortality due to diseases	Nil	30%	-
	ii. Yield	23000 kg/ha.	1500 kg/ha.	-





Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
181000	588000	407000	2.24

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
165000	165000	255000	1.5

FLD Impact assessment of STRY programs conducted by KVK-Senapati on employability of youth. (Agricultural Extension)

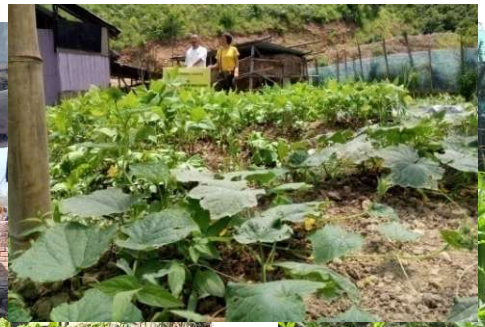
No. of respondents= 90, Type of respondents- STRY trainees

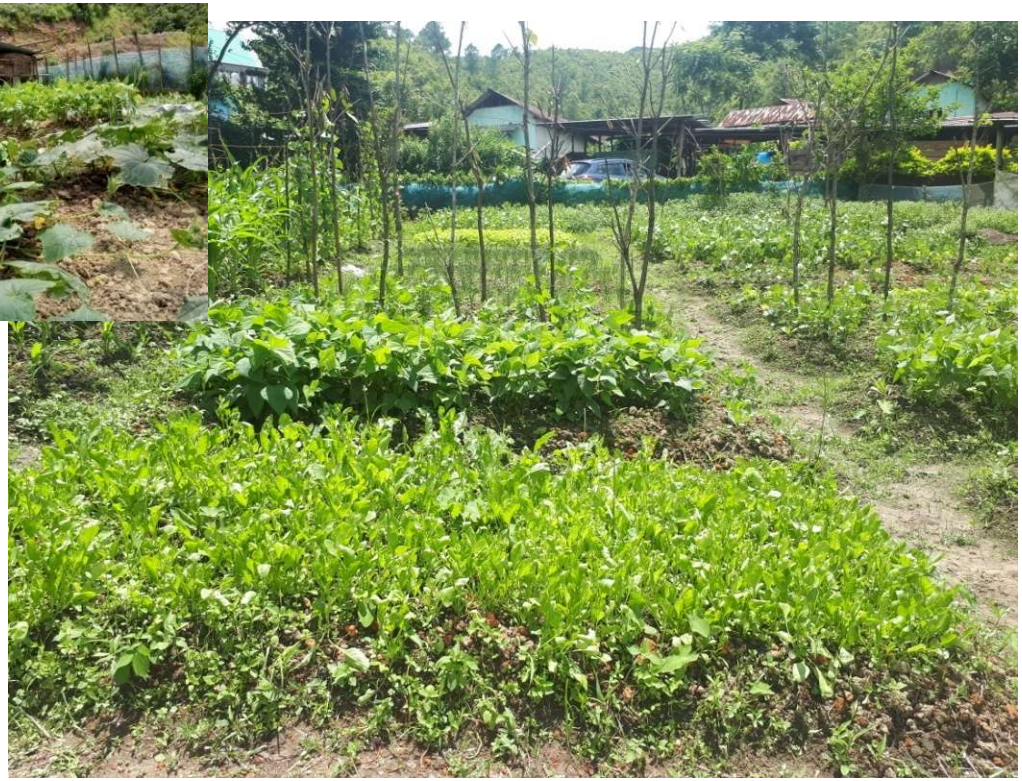
Technology	Performance parameters/ indicators	Result on parameters in relation to technology demonstrated	% Change	Remarks
Impact assessment of STRY programs conducted by KVK-Senapati on employability of youth.	i. Self employment (%) ii. Employed in other enterprise. iii. Level of skill gained iv. Unemployed	20% self employed	-	-

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	

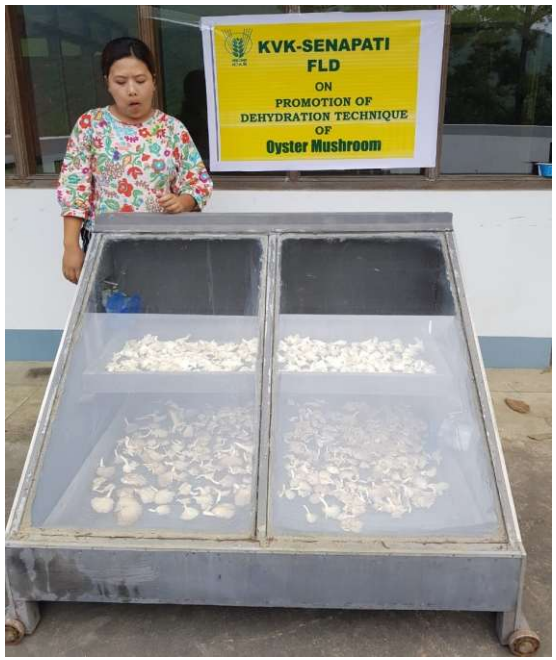




FLD on Promotion of dehydration technique of oyster mushroom
. (Home Science)- 1st yr.

No. of Units = 10, No. of demo= 10, Village- Goungaiphai, Chaonghang Veng

Technology demonstrated	Performance parameters/ indicators	Results on parameters		% change
		Demo	Local	
Blanching at 100ºC for 30 Sec and wash in cold water Dry in solar dryer for 4 days	Shelf Life	90 days	5 days	**95%**

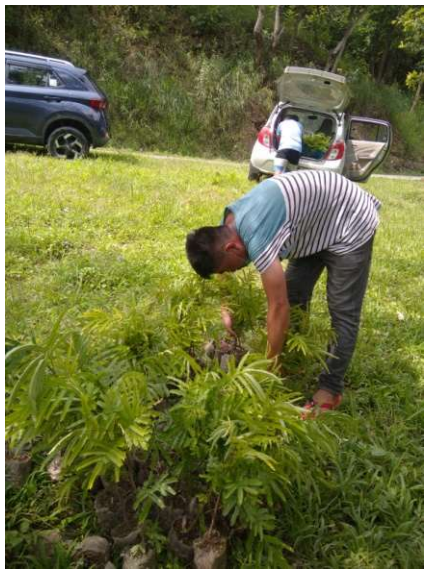


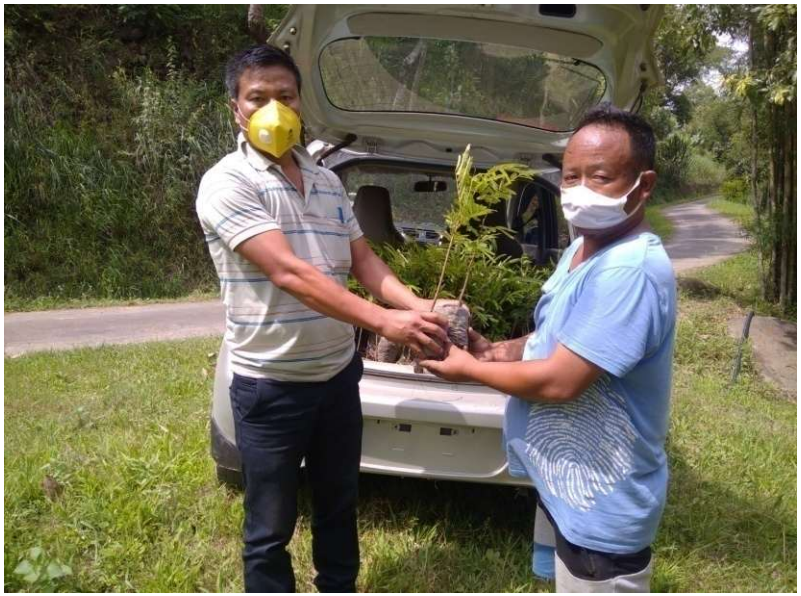
FLD on Popularization of Intercropping of MPTS with pulse crop (Agroforestry)- 2nd yr

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

Technology demonstrated	Performance parameters/ indicators	Results on parameters			
		Tree bean	Citrus	Terminalia	Blackgram
Tree bean – 8mx8m as main crop **Terminalia** as Boundary planting **Citrus** as filler crop **Pulse crop-** blackgram as interspaced crop	Tree height	**2-2.5ft**	**1-1.5ft**	**1.7-2.1ft**	**-**
	Crop yield (blackgram)	-	-	-	**6.42q/ha**

Economics of blackgram (Rs./ha)			
Gross Cost	**Gross Return**	**Net Return**	**B:C Ratio**
31160	44940	13780	1.44:1





FLD on Promotion of air layering technique for mass production of planting materials of plum. (Farm Mangement)- 1st yr.

No. of Units = 10, No. of demo= 10, Village- Mayangkhang,Purul

Technology demonstrated	Performance parameters/ indicators	Results on parameters		% change
		Demo	Local	
Selection of pencil size branches, making incision and removal of barks (3 mm size), application of rooting hormone (IBA) with sphagnum moss, wrapping of rooting media with polyethylene foil and tied with a thread, After rooting, transplanting in primary nursery bag	Survival Percentage			