KVK-SENAPATI

Hengbung, Senapati District, Manipur

Host Institute : Foundation for Environment and Economic Development Services(FEEDS)

Estd: 2002

Annual Action Plan for 2021-22

Staff Position

Sl. No.	Name	Designation	Discipline
1.	Dr. Nongmaithem Jyotsna	Senior Scientist and Head	Agronomy
2.	Khangembam Nodiyachand Singh	Subject Matter Specialist	Horticulture
3.	David Kamei	Subject Matter Specialist	Plant Protection
4.	Dr. Nongthombam Muhindro Singh	Subject Matter Specialist	Vety & A.H.
5.	Deepak Kumar	Subject Matter Specialist	Agri. Extn.
6.	Hoilenting	Subject Matter Specialist	Fisheries
7.	Dr. Telem Ratan Singh	Subject Matter Specialist	Plant Breeding & Genetics
8.	Athokpam Brojendro Singh	Programme Assistant	Agro-Forestry
9.	Nemnu Hangshing	Programme Assistant	Home Science
10.	Kangjam Homen Singh	Programme Assistant	Farm Manager
11.	Kshetrimayum Ranjit Singh	Office Assistant	-
12	Mutum Ronel Singh	Stenographer-cum-computer operator	-
13.	Pheiroijam Tomba Singh	Driver	-
14.	Thanginlal Chongloi	Driver cum Mechanic	-
15.	Chungkholam Chongloi	Supporting staff	-
16.	Kamminlal Kipgen	Supporting staff	-

On Farm Testing (Discipline–Wise Summary) for 2021-22

Discipline	Crop/enterprise	No. of Technology/ Social Concept/ methodology to be		No. of trials proposed	
		Assessed	Refined	Assessment	Refinement
Horticulture	Broccoli	1	-	6	-
	Broadbeans	1	-	6	-
PBG	Fieldpea	1	-	6	-
	Rapeseed	1	-	6	-
Fishery	Fish	1	-	4	-
	Fish	1	-	5	-
Plant Protection	Chilli	1	-	4	-
	Rice	1	-	4	-
Animal Science	Poultry	1	-	6	-
	Poultry	1	-	6	-
	Piggery	1	-	3	
Agri. extension	Pulses	1	-	50 respondents	-
Total		**12**		**56 trials & 50 respondents**	

Horticulture, OFT 1 (1st yr.trial)

Name of Technology: Performance evaluation of Broccoli Varieties

Crop	Problem diagnosis (with extent/ severity of problem)	Severity of problem(%)	Details of Technology	Source and year of release	No. of trials proposed to be
Broccoli	Low varietal diversification	80%	**TO1:** Var. KTS1 Duration- 60-70 days, Yield potential- 16.5t/ha **TO2:** Var.TSX 0788 Duration- 60-65 days Yield potential- 15-17t/ha **T03:** Var. Green magic Duration- 60-70 days, Yield potential- 11.5t/ha	IARI, New Delhi,2012 BCKV, West Bengal, 2012	**6**

Area (in Ha)	Location
1	Karong, Taphou Phyamai

Parameters of assessment	
New Technology	**Farmer practices**
i. Yield ii. Head size iii.B.C ratio	Same as technology

Horticulture, OFT 2 (1st yr.trial)

Name of Technology: Performance evaluation of broadbean var. PUSA Udit

Crop	Problem diagnosis (with extent/ severity of problem)	Severity of problem(%)	Details of Technology	Source and year of release	No. of trials proposed to be
Broad bean	Low yield of local Variety	81%	**TO1:** Var. Pusa Udit Duration- 150 days Yield – 17.5 t/ha **TO2: Local cultivar** **Duration-** 158-160 days Yield – 12-13 t/ha	IARI, New Delhi,2012	4

Area (in Ha)	Location
1	Chawangkining, J. Songtun

Parameters of assessment	
New Technology	**Farmer practices**
i. Plant height (cm) ii. No. of pods/plant iii.Yield iv.B.C ratio	Same as technology

PBG, OFT 1 (1st yr.trial)

Name of Technology: Varietal performance of Fieldpea Var. VL Matar 47

Crop	Problem diagnosis (with extent/ severity of problem)	Severity of problem(%)	Details of Technology	Source and year of release	No. of trials proposed to be
Field pea	Poor varietal diversification of fieldpea	82%	**TO1**: Var. : VL Matar 47 (Duration- 150-155 days, Potential yield = 14.12q/ha) **TO2**: Var.: Aman, (Duration- 120-125days, Potential yield = 20-22q/ha)	VPKAS-Almora, 2011 IIPR, Kanpur, 2009	6

Area (in Ha)	Location
1	Utonglok, New Saikul

Parameters of assessment	
New Technology	**Farmer practices**
i. Plant height (cm) ii. No. of pods/plant iii.Yield iv.B.C ratio	Same as technology

PBG, OFT 2 (2nd yr.trial)

Name of Technology: Varietal performance of late sown rapeseed variety TS- 67

Crop	Problem diagnosis (with extent/ severity of problem)	Severity of problem(%)	Details of Technology	Source and year of release	No. of trials proposed to be
Rapeseed	Non availabilty of late sown var. in rice based cropping sequence	79%	**TO1**: Var. TS 67 (Duration – 90 days, Potential yield= 7-10q/ha) **TO2**: TS 36 (Duration – 95-100 days, Potential yield= 12 q/ha)	RARS, AAU, Shillongani, 2012 RARS, AAU, Shillongani, 2009	6

Area (in Ha)	Location
1	Parsain, Toribari

Parameters of assessment	
New Technology	**Farmer practices**
1. Plant height 2. No. of pods/plant 3. No. of seeds/pod 4. Yield	Same as technology

Plant Protection, OFT 1 (1st yr.trial)

Name of Technology: IPM in chilli

Crop	Problem diagnosis (with extent/ severity of problem)	Severity of problem (%)	Details of Technology	Source and year of release	No. of trials proposed to be
Chilli	Insect pest (thrips, aphids and mites)	84%	**TO1**: i)Yellow or blue sticky trap(20 traps/acre), Beauvaria bassiana @ 2g/l on first appearance of pest, two times at 10 days interval, ii) Imidachlorprid @ 0.3ml/L or emamectin 0.3ml/L, **TO2**: Application of wood ashes & cypermethrin @ 2ml/L water	VPKAS, ICAR, 2019	5

Area (in Ha)	Location
0.5	Nungang , and Siangai

Parameters of assessment	
New Technology	**Farmer practices**
i.Per cent pest incidence ii.Yield	Same as technology

Plant Protection, OFT 2 (1st yr.trial)

Name of Technology: Management of rice gall midge in terrace cultivation

Crop	Problem diagnosis (with extent/ severity of problem)	Severity of problem(%)	Details of Technology	Source and year of release	No. of trials proposed to be
Rice	Rice gall midge	82%	**TO1**: i)Application of Selective pyrazole insecticide Fipronil 75g a.i,/ha., ii) Balanced nutrient application NPK @ 60:40:30 kg/ha **TO2**: Application of Super killer (Cypermethrin) @ 1ml/L water once.	CAU, 2013	5

Area (in Ha)	Location
0.5	Mayangkhang , and M.Thana Village

Parameters of assessment	
New Technology	**Farmer practices**
i.Percent pest infestation ii.Yield	Same as technology

Fisheries, OFT 1 (1st yr.trial)

Name of Technology: Performance assessment of monosex Tilapia under monoculture system

Enterprise	Problem diagnosis (with extent/ severity of problem)	Severity of problem(%)	Details of Technology	Source and year of release	No. of trials proposed to be
Tilapia	Low diversification of cultured fish species	83%	Stocking density:20,000/ ha Feeding rate: 3-5% body weight Feed : Pellet feed Culture period : 6 month	CIFA, 2015	5

Area (in Ha)	Location
0.5	Hengbung, T. Khullen

Parameters of assessment	
New Technology	**Farmer practices**
i.Growth rate at monthly days interval ii.Yield	Same as technology

Fisheries, OFT 2 (2nd yr.trial)

Name of Technology: Performance assessment of Pengba fish in composite culture

Enterprise	Problem diagnosis (with extent/ severity of problem)	Severity of problem(%)	Details of Technology	Source and year of release	No. of trials proposed to be
IMC, Exotic Carps and Pengba	Low diversification of cultured fish sp.	80%	Stocking of IMC, Exotic carp & pengba @ 8000 nos./ha, catla 20%, silver carp 10%, Rohu 30%, Pengba 10%, Mrigal 15%, C. carp 15%	COF, CAU, 2015	5

Area (in Ha)	Location
0.5	Leilon, T. Khullen

Parameters of assessment	
New Technology	**Farmer practices**
i. Fish growth at monthly interval ii. Fish yield	Same as technology

Animal Science, OFT 1 (2nd yr.trial)

Name of Technology: Introduction of Kamrupa poultry

Crop	Problem diagnosis (with extent/ severity of problem)	Severity of problem (%)	Details of Technology	Source and year of release	No. of trials proposed to be
Poultry	Less availability &high price of local bird	82%	**TO1:Kamrupa birds** **TO2:** Local (non descript)	AAU, khanapara 2014	6

No. of Units	Location
6	Toribari, Purul

Parameters of assessment	
New Technology	**Farmer practices**
i. Live body weight gain in Kg. (monthly)	Same as technology

Animal Science, OFT 2 (2nd yr.trial)

Name of Technology: performance of Srinidhi poultry for egg production

Crop	Problem diagnosis (with extent/ severity of problem)	Severity of problem (%)	Details of Technology	Source and year of release	No. of trials proposed to be
Poultry	Low egg productivity	85%	**TO1:**Srinidhi bird **TO2**: Vanaraja bird,	PDP, Hyderabad, 2014	6units

No. of units	Location
6	Wainem, Rikhumei taphou

Parameters of assessment	
New Technology	**Farmer practices**
i. Annual Egg production	Same as technology

Animal Science, OFT 3 (1st yr.trial)

Name of Technology: Introduction of new pig variety Lumsniang

Crop	Problem diagnosis (with extent/ severity of problem)	Severity of problem (%)	Details of Technology	Source and year of release	No. of trials proposed to be
Piggery	Poor growth rate of local breed	80%	**TO1:** Lumsniang (live body wt. of 90-100 kg at 12 months) **TO2:** Local (Non descript, Live body wt. of 75-80kg at 12 months)	ICAR, Barapani, 2017	3

No. of units	Location
3	Hengbung, Mayangkhang

Parameters of assessment	
New Technology	**Farmer practices**
i. Live body weight gain in Kg. (monthly)	Same as technology

Agri. extension, OFT 1 (1st yr. assessment)

Name of Technology: Study of extension gap in pulse production

Crop	Problem diagnosis (with extent/ severity of problem)	Severity of problem (%)	Details of Technology	Source and year of release	No. of trials proposed to be
Pulses	-	83%	Impact assessment of extension gap in pulse production	-	50

No. of units	Location
3	CFLD demo village

Parameters of assessment
New Technology
i. Area ii. Yield/income

FLDs (Discipline–Wise Summary) for 2021-22

Discipline	Crop/enterprise	No. of Technology	No. of demos proposed	Area (ha) to be covered/ no. of items/ activity	No. of Beneficiaries
PBG	Paddy	1	12	3 ha	12
	Paddy	1	12	3 ha	12
	Maize	1	12	3 ha	12
Fishery	Grass carp	1	10	1 ha	10
	Lime	1	10	1 ha	10
	Jayanti Rohu	1	10	1 ha	10
Plant protection	Potato	1	4	1 ha	4
	Maize	1	4	1 ha	4
	Mushroom	1	5	5 units	5
Horticulture	Pea	1	6	1ha	6
	Pumpkin	1	6	1 ha	6
	Cabbage	1	4	1 ha	4
Animal science	Poultry	1	10	10units	10
	Duckery	1	10	10units	10
	Piggery	1	50	20 units	20
Agril Extension	STRY	1	-	90 respondents	
	Cereals	1	-	100 respondents	
Agro-forestry	Tree bean, citrus, hollock, Pulse crop	1	2	1 ha	2
Home Science	Nutrition garden	1	10	10 units	10
	mushroom	1	10	10 units	10
Farm Manager	plum	1	3	3 units	3
Total		21	190	18ha, 68 units & 190 respondents	380

Horticulture, FLD-1 (1st Year Demo.)

Name of Technology: Early production of garden Pea Var. Arkel for higher income

Crop	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Pea	Early sowing at last week August Seed rate: 80 kg/ ha. Spacing: 30x 10 cm NPK-20:50:20 kg/ha	ICAR-Barapani, 2015	6	6

Area (ha.)	Location
1	Noonpani, Chawangkining

Parameters selected for demonstration
i. Pod Size ii.Yield iii.B.C ratio

Horticulture, FLD-2 (2nd Year Demo.)

Name of Technology: Popularisation of kharif pumpkin var. Arjuna

Crop	Details of Technology	Source and year of release	No. of demonst rations	No. of farmers to be covered/ benefitted
Pumpkin	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	AAU, Jorhat, 2015	6	6

Area (ha.)	Location
1	Wainem, Karong, Molhoi

Parameters selected for demonstration
1.Yield 2.No. of fruits per plant 3. BC ratio

Horticulture, FLD-3 (1st Year Demo.)

Name of Technology: Offseason cultivation of cabbage

Crop	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Cabbage	Sowing during off season (May and June) Spacing: 45x45 cm FYM: @5 ton/ha. NPK:80:60:60 kg/ha	ICAR-Barapani, 2013	4	4

Area (ha.)	Location
1	Karong, Mayangkhang

Parameters selected for demonstration
i.Head size ii.Yield iii.BC ratio

PBG, FLD-1 (2nd Year Demo.)

Name of Technology: Popularisation of paddy var RC Maniphou 12

Crop	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Paddy	Var. RC Maniphou 12, Duration- 105-110 days, potential yield = 4 - 4.5t/ha, Seed rate- 60kg/ha, NPK @ 60:40:30 kg/ha	ICAR-Manipur Center, 2010	12	12

Area (ha.)	Location
3	Tumnoupokpi, Ningthoupham

Parameters selected for demonstration
1.Plant ht. 2.No. of tillers/plant 3.No. of spikelets/panicle 4.Yield

PBG, FLD-2 (2nd Year Demo.)

Name of Technology: Popularisation of seed production technology paddy var. RC Maniphou 13

Crop	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Paddy	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	ICAR-Manipur Center, 2015	12	12

Area (ha.)	Location
3	Nungang, Kalapahar

Parameters selected for demonstration
1.Plant ht. 2.No. of tillers/plant 3.No. of spikelets/panicle 4.Yield

PBG, FLD-3 (2nd Year Demo.)

Name of Technology: Popularisation of maize var. HQPM 5

Crop	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Maize	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	IIMR,Punjab, 2011	12	12

Area (ha.)	Location
3	Karong, Makuilongdi

Parameters selected for demonstration
1. Plant height
2. No. of cobs/plant
3. Yield
4. BC ratio

Plant Protection,FLD-1 (1st Year Demo.)

Name of Technology: IDM for Late blight of potato

Crop	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Potato	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%)	VPKAS, ICAR, 2019	4	4

Area (ha.)	Location
1	Siangai Namdai and karong Vill.

Parameters selected for demonstration
i. % disease infestation ii.Yield

Plant Protection,FLD-2 (1st Year Demo.)

Name of Technology: IPM of FAW on Maize

Crop	Details of Technology	Source and year of release)	No. of demonstrations	No. of farmers to be covered/ benefitted
Maize	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	ICAR, Manipur, 2019	4	4

Area (ha.)	Location
1	Taphou Phyamai and tungjoy Kalaphar

Parameters selected for demonstration
i. % pest infestation ii.Yield

Plant Protection, FLD-3 (2nd Year Demo.)

Name of Technology: Year round mushroom cultivation for generating income from agro waste materials

Crop	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Mushroom	i. Chopped the paddy straw into 3-5 inches. ii. Soak the chopped paddy straw into hot water (85^0C) 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	ICAR Barapani, 2014	5	5

Unit (No.)	Location
5	Toribari, Thonglanng, Khongnem, Karong

Parameters selected for demonstration
i.Yield ii.income

Fishery, FLD-1 (1st Year Demo.)

Name of Technology: Nursery rearing of fish spawn for fish fingerling production

Crop	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Grass carp	Species: Grass carp Stocking density: 15 lakh spawn/ ha. Feeding: 5-10% body weight, twice a day	CAU, 2010	10	10

Area (ha.)	Location
1	Leilon, Molhoi, Hengbung

Parameters selected for demonstration
i. Survival percentage ii. Growth rate iii.B:C ratio

Fishery, FLD-2 (1st Year Demo.)

Name of Technology: Lime application for water quality management in composite fish culture

Enterprises	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Lime	Lime application: @300kg/ha. Fish stocking density: 80000/ha , 40% (Catla), 20 % (Rohu), 40%(C.carp)	ICAR, Barapani, 2013	10	10

Area (ha.)	Location
1	G. Kholep, T. Khullen, Yaikongpao

Parameters selected for demonstration
i. Water pH ii. Disease occurrence iii. Yield

Fishery, FLD-3 (2nd Year Demo.)

Name of Technology: Popularization of *Jayanti Rohu* in composite fish culture system

Enterprise	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Jayanti Rohu	Stocking density: Jayanti Rohu @4500 nos. /ha + 6000 nos. carp/ ha. Cultured period: 7 months Feeding: @3 % body wt.	CIFA, 2014	10	10

Area (ha.)	Location
1	Karong, Purul

Parameters selected for demonstration
i. Growth rate at monthly interval ii. Yield iii. B:C ratio

Animal Science, FLD-1 (2nd Year Demo.)

Name of Technology: Backyard poultry rearing for empowering farm women

Enterprise	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Poultry	**Gramapriya** (dual purpose bird)	ICAR-PDP, Hyderabad (2015)	10	10

Unit (No.)	Location
10	Toribari, Purul

Parameters selected for demonstration
i.Live body weight gain in Kg. (monthly) ii.Egg production

Animal Science FLD-2 (2nd Year Demo.)

Name of Technology: Popularisation of white pekin duck for meat purpose

Enterprise	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Duckery	Breed: White Pekin	Regional Centre of Central Avian Research Institute, Bhubaneshwar, 2012	10	10

Unit (No.)	Location
10	Wainem, Rikhumei taphou

Parameters selected for demonstration
i.Live body weight gain in Kg. (monthly) ii.Egg production

Animal Science FLD-3 (1st Year Demo.)

Name of Technology: Deworming of pigs against gastro-intestinal parasites

Enterprise	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Piggery	Albendazole @ 5-10 mg/Kg body wt. orally	ICAR-NEH , Barapani (2016)	20	20

Unit (No.)	Location
20	Hengbung, Mayangkhang

Parameters selected for demonstration
i. Percentage of mortality of piglets

Agricultural Extension FLD-1 (1st Year Demo.)

Name of Technology: Impact assessment of STRY programs conducted by KVK-Senapati on employability of youth.

Enterprise	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
STRY	Impact assessment of STRY programs conducted by KVK-Senapati on employability of youth.	-	90 respondents	90 respondents

Respondents (No.)	Type of respondnets
90	STRY trainees

Parameters selected for demonstration
i. iSelf employment (%) ii.Employed in other enterprise. iii.Level of skill gained iv.Unemployed

Agricultural Extension FLD-2 (1st Year Demo.)

Name of Technology: Study on diffusional impact of FLD (cereals) with reference to horizontal spread of technology

Enterprise	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Cereals	Study on diffusional impact of FLD (cereals) with reference to horizontal spread of technology	-	100 respondents	100 respondents

Respondents (No.)	Type of respondents
100	60 respondents of adopted village

Parameters selected for demonstration
i. Area covered ii.No. of farmers iii.Level of adoption

Agro forestry FLD-1 (2nd Year Demo.)

Name of Technology: Intercropping of MPTS with Pulses

Enterprise	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Treebean, citrus, Terminalia, pulse crop	**Tree bean** – 8mx8m as main crop **Terminalia** as Boundary planting **Citrus** as filler crop **Pulse crop-** ricebean/blackgram as interspaced crop	ICAR, Lamphel, 2009	2	2

Area (ha.)	Location
1	New Selsi

Parameters selected for demonstration
i. Tree height, girth, crop yield

Home Science FLD-1 (2nd Year Demo.)

Name of Technology: Promotion of year round Nutritional garden for household nutritional security

Crops	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Vegetables	Cabbage, amaranthus, Spinach, Coriander,chilly, onion,carrot beans, broccoli,tomato ,radish etc.	ICAR, Barapani, 2012	10 units	10 units

Unit (No.)	Location
10 units	Saikul, Hengbung

Parameters selected for demonstration
1.Nutritional diversity of food intake 2.Savings in food budget

Home Science FLD-2 (1st Year Demo.)

Name of Technology: Promotion of dehydration technique of oyster mushroom

Crops	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
mushroom	Blanching at 100ºC for 30 Sec and wash in cold water Dry in solar dryer for 4 days	DMR, Solan, Himachal Pradesh 2015	10 units	10 units

Unit (No.)	Location
10 units	Motbung, Kangpokpi

Parameters selected for demonstration
1. Shelf Life

Farm Management FLD-2 (1st Year Demo.)

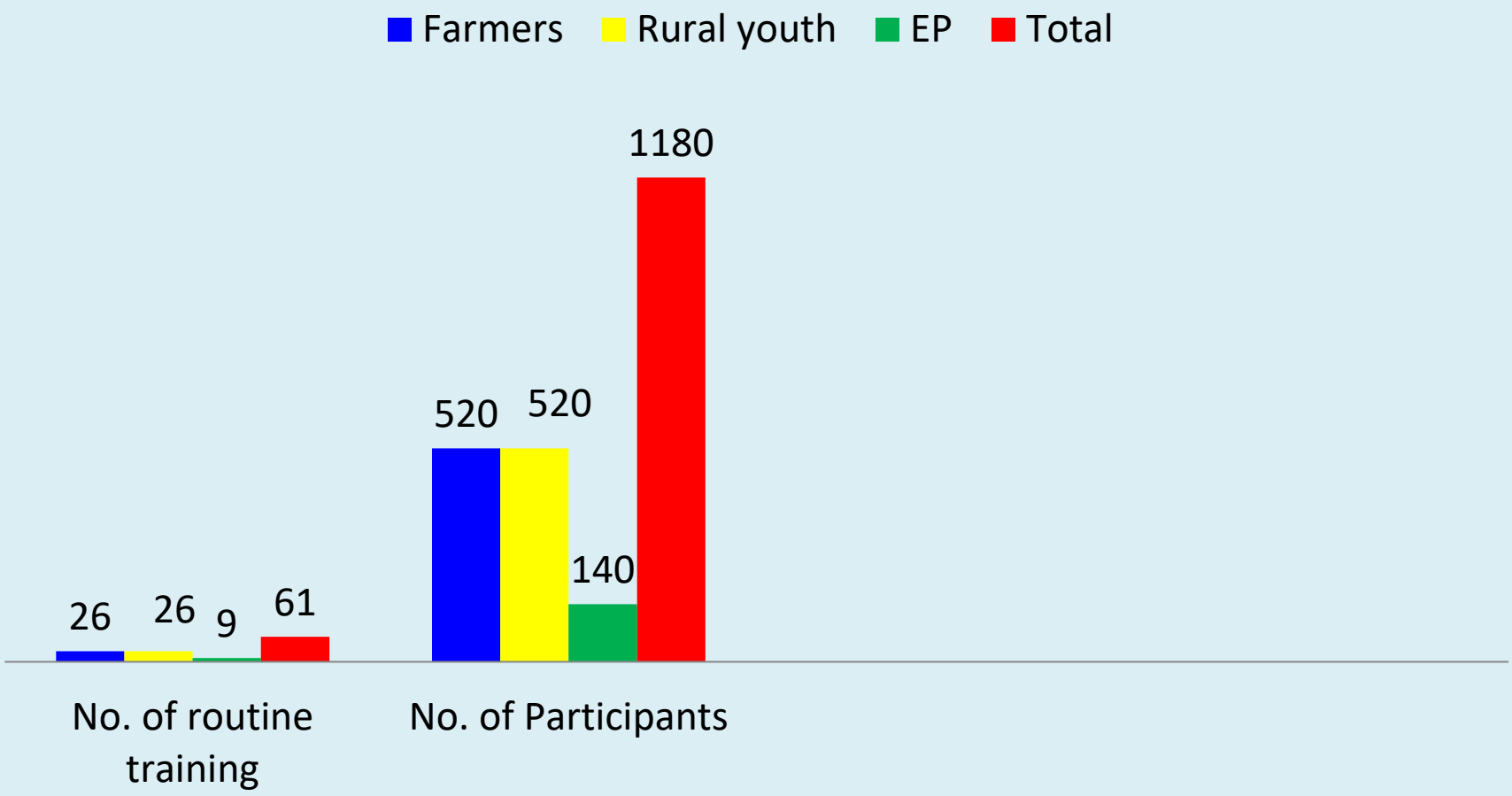
Name of Technology: Promotion of air layering technique for mass production of planting materials of plum

Crops	Details of Technology	Source and year of release	No. of demonstrations	No. of farmers to be covered/ benefitted
Plum	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	COHF, Pasighat 2016	3	3

Unit (No.)	Location
3 units	Mayangkhang, Purul

Parameters selected for demonstration
1.Survival percentage

Details of Training Programme



Extension Programmes/Activities for 2021-22

Sl. No.	Extension Programme/ Activity	Nos. Proposed	Beneficiaries (No.)				Total
			Farmers	Extn. Personnel	Rural Youth	Others	
A.	**Field trips and Visits**						
1	Diagnostic visit	245	350	-	120	-	470
2	Exposure visit	2	30	-	30	-	60
B.	**Group activities**						0
1	Celebration of important days	7	700	50	400	50	1207
2	Field day	5	160	5	50	10	230
3	Ex- trainees meet	15	200	-	10	-	225
4	Group meeting /discussion	10	150	-	50	-	210
5	PRA	5	90	-	60	-	155
6	Farmer Clubs' meeting	5	160	-	40	-	205
C.	**Mass outreach program**						0
1	Method demonstration	20	300	-	150	-	470
2	Film show	10	150	20	50	10	240
3	TV talk	5	-	-	-	-	5
4	Radio talk	10	-	-	-	-	10
5	Field publicity	20	600	20	300	30	970
7	Exhibition/mela	1	250	20	150	30	451
8	Advisory services/ telephone talk	120	-	-	-	-	120

Extension Programmes/Activities for 2021-22

Sl. No.	Extension Programme/ Activity	Nos. Proposed	Beneficiaries (No.)				Total
			Farmers	Extn. Personnel	Rural Youth	Others	
D.	**Camps and Campaigns**						
1	Soil health camp	2	100	10	60	30	202
2	Animal health camp	2	100	10	60	30	202
3	Awareness camp	5	250	-	50	50	355
E.	**Publications**						0
1	Extension literature (Leaflet/ folders/ Pamphlets)	16	600		350	50	1016
2	Extension / technical bulletin	5	100	50	100	50	305
3	News letter	1	300	50	100	50	501
4	Print media coverage	20	-	-	-	-	20
5	Research publications	2	-	-	-	-	2
6	Success stories/ Case studies	2	-	-	-	-	2
	Total	**290**	4240	235	2010	390	**7165**

Seed Materials

Seed Materials	Crop	Variety	Proposed quantity (ton) to be produced (both at KVK farm and farmers field)	Current Value (Rs.)	To be provided/supplied to (Expected No. of farmers)
Cereals	Rice	CAU-R1 (Tamphaphou)	6.5	Rs. 20/kg	108
Oilseeds	Soybean	Dsb 19	2.50	Rs. 30/kg	80
	Groundnut	ICGS-76	4.00	Rs. 80/kg	50
	Rapeseed	TS 38	3.00	Rs. 30/kg	190
Pulses	Blackgram	PU 31	0.5	Rs. 60/kg	25
	Fieldpea	Aman	0.5	Rs. 80/kg	5
Spices	Turmeric	Lakkadong	15	Rs. 15/kg	2
		Total	**32 ton**		**460**

Planting Materials

Planting Materials	Crop	Variety	Proposed quantity (Nos.) to be produced (both at KVK farm and farmers field)	Current Value (Rs.)	To be provided/supplied to (Expected No. of farmers)
Fruits	Pomegranate	Bedena	1000	Rs. 10/seedling	15
	Mandarin	Khasi mandarin	1000	Rs. 15/seedling	15
	Kiwifruit	Allison, , Monty, Hayward	1000	Rs. 80/seedling	10
	Lime	Kachai lemon	1000	Rs. 15/seedling	12
	Citrus	Aourintofolia	1000	Rs. 10/seedling	10
	Papaya	Honey dew	1500	Rs. 10/seedling	8
Forest Species	Mimusops elengii	Ornamental	1000	Rs. 10/plant	10
	Terminaliya myriocarpa	MPTS	1000	Rs. 10/plant	10
	Cassia javanica	Ornamental	1000	Rs. 10/plant	10
	Acacia glouca	MPTS	1000	Rs. 5/plant	10
	Citrus reticulata	orange	1000	Rs. 10/plant	10
	Tectona grandis	MPTS	1000	Rs. 10/plant	10
	Perkia roxbhurghii	MPTS	2000	Rs. 10/plant	20

Planting Materials (contd.)

Planting Materials	Crop	Variety	Proposed quantity (Nos.) to be produced (both at KVK farm and farmers field)	Current Value (Rs.)	To be provided/supplied to (Expected No. of farmers)
Vegetables	Cabbage	Rareball	1000	Rs.2/plant	15
	Broccoli	Green Magic	1000	Rs.5/plant	10
	Tomato	Arka Rakshak	1000	Rs.2/plant	15
	King Chilli	Local improved	1000	Rs.5/plant	10
	Tree tomato	Local improved	1000	Rs.3/plant	10
Flowers	Statice,petunia, hybrid marigold	-	1000	Rs.10/plant	10
Total			**20500**		**220**

Bio-products

Item	Product Name	Species	Proposed quantity to be produced (both at KVK farm and farmers field)	
			No.	Kg.
Bio-agents	Vermiworm	Eisenia foetida & Eudrillus eugenia	-	20
Bio-fertilizers	Vermicompost	-		3000
Livestock strains/ fingerlings	Fingerlings	Rohu & Grass carp,catla	50000	
	Piglet	Cross bred Hampshire	50	-
Mushroom	Spawn	oyster		1000
Total			**50050**	**4020**

Soil & Water Sample Analysis / Soil Health Cards (SHCs) for 2021-22

Sl. No.	Samples	Nos. of samples targeted	Target of Farmer beneficiaries	Village to be covered	Amount to be realised (Rs.)	Expected SHCs to be issued to farmers (Nos.)
1.	Soil sample	300	625	29	-	625
2.	Water sample	-	-	-	-	-
	Total	**300**	**625**	**29**	**-**	**625**

Mobile Advisory for 2021-22

Message type sent	Crop		Livestock		Weather		Marketing		Awareness		Other Enterprise		Total	
	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary
Text only	38	375	21	336	8	120	8	175	4	135	4	150	83	1291
Voice only	120	480	30	230	200	50	40	120	10	110	10	70	140	1060
Voice and Text both	-	-	-	-	-	-	-	-	--	-	-	-	-	-
Total	158	855	51	566	208	170	48	295	14	245	14	220	**223**	**2351**

Contingency Planning for 2021-22

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Hailstorm Any other please specify)	Proposed Measure	Proposed Area (In ha.) to be covered	Number of beneficiaries proposed to be covered		
			General	SC/ST	Total
Delayed monsoon	DSR	15	-	55	55
Early cessation of monsoon	Introduction of early varieties of winter pulse	10	-	42	55
Drought	Growing of blackgram & ricebean	10	-	35	35
Cold wave (frost injury)	Irrigation in late evening	10	-	38	38

b. Livestock based Contingency Planning for 2021-22

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Number of birds/ animals to be distributed	No. of programmes to be undertaken	No. of camps to be organized	Proposed number of animals/ birds to be covered through camps	Number of beneficiaries proposed to be covered		
					General	SC/ST	Total
In case of crop failure	500 birds	2	4	5000	-	110	110
	30 piglets	2	2	700	-	350	350

Functional linkages to be established with different organizations during 2021-22

Sl. No.	Name of organization	Nature of linkage
1	ICAR, Manipur Centre	Technical input & logistic support & discussion & meeting.
2	Central Agricultural University	Technical input & logistic support, Mela & join awareness camp, discussion & meeting.
3	Ministry of Science & Technology, GoI	Provision of Societal based scheme & projects.
4	IIHR, Bangalore	Technical support & guidance
5	CIH, GoI, Medziphema	Sponsored training & information sharing.
6	NABARD-Senapati	Training & information sharing, formation of farmer club & awareness programme on financial inclusion.
7	CRIDA, Hyderabad	Agro Metrological advisory & preparation of contingent crop plan.
8	State Line Dept.	Training, demonstration, diagnostic visit & field visit, review of SREP, information sharing & input & financial support, meeting & join soil & animal health campaign/camp.
9	SFAC, Manipur	Sponsored training & information sharing

Functional linkages to be established with different organizations during 2021-22 (contd.)

Sl. No.	Name of organization	Nature of linkage
10	DRDA, Senapati	Sponsored training, join discussion & meeting.
11	Planning Dept. Govt. of Manipur	Infrastructural support.
12	TD, Dept., Govt. of Manipur	Selection of beneficiaries & information sharing & consultancy.
13	Nehru Yuva Kendra	Join training programme, awareness camp, exposure visit, meeting & information sharing.
14	District Vety Office, Senapati	Participation in meeting and joint animal health care programme
15	NFDB, Hyderabad	Sponsored training, join discussion & meeting
16	DIC	Participation in meeting.
17	RCOF	Joint training & participation in meeting.
18	NGOs	Training & meeting.
19	ATMA, Senapati	Training , exposure visit, meeting & information sharing,

Thank You
(Thagatchari)