KVK-SENAPATI

Hengbung, Senapati District, Manipur

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

Estd: 2002

Annual Action Plan for 2020-21

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

Staff Position (contd.)

Sl. No.	Name	Designation
11.	Kshetrimayum Ranjit Singh	Superintendent-cum- Accountant
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 2020-21

Discipline	Crop/enterprise	No. of Technology/ Social Concept/ methodology to be		No. of trials proposed	
		Assessed	Refined	Assessment	Refinement
Horticulture	Pea	1	-	6	-
	Cabbage	1	-	4	-
PBG	Rice	1	-	6	-
	Rapeseed	1	-	6	-
Fishery	fish	1	-	4	-
	IFS	1	-	6	-
Plant Protection	Maize	1	-	4	-
	Onion	1	-	4	-
Animal Science	Poultry	1	-	5	-
	Poultry	1	-	5	-
	Piggery	1	-	3	
Agri. extension	Pulses	1	-	20	-
	Tomato	1	-	10	
Total		**13**		**83**	

On Farm Testing for 2020-21 (Discipline: Horticulture)

Crop / Enterprise	Problem diagnosis (with extent/ severity of problem)	Details of Technology/ Social Concept/ methodology to be		Source and year of release (if any)	No. of trials proposed to be		Parameters of assessment/refinement
		Assessed	R		A	R	
Pea (**Early production of garden pea var. Arkel for higher income**)	Low price during normal season (70%)	**TO1:** Early sowing at last week of August **TO2:** 1st week of September **TO3:** First week of October Seed rate 80kg/ha Spacing- 30x 10 cm NPK- 20:50:20 kg/ha		CAU, Imphal, 2015	**6**		**New Technology** i. Yield ii. Pod length iii. No. of seeds/pod iv. B.C ratio **Farmer practices** Same as above
Cabbage (**Offseason cultivation of cabbage).**	High price of cabbage during off season (72%)	**TO1:** Sowing during off season months (May & June) -Spacing 45X45 cm -FYM @ 5t/ha, NPK @ 80:60:60 kg/ha **TO2:** Sowing during Normal season (Oct-Nov)		IIHR, Bangalore, 2013	4		**New Technology** i. Plant height (cm) ii. Weight of head (gm) iii. Yield iv. B.C ratio **Farmer practices** Same as above

On Farm Testing for 2020-21 (Discipline: PBG)

Crop / Enterprise	Problem diagnosis (with extent/ severity of problem)	Details of Technology/ Social Concept/ methodology to be		Source and year of release (if any)	No. of trials proposed to be		Parameters of assessment/refinement
		Assessed	Refined		Assess	Refine	
Rice (**Varietal evaluation Jhum paddy**)	Low yield of local cultivar (68%)	**TO1:** Var. CAU R2, (Duration- 95-100 days, Average yield = 25q/ha) **TO2:** Var. RC Maniphou 6 , (Duration- 100-105 days, Average yield = 48-54q/ha) **TO3:** Local check	-	CAU, Imphal, 2016 ICAR, Manipur Centre, 2000	6	-	**<u>New technology</u>** 1. Plant ht. 2. No. of tillers/plant 3. No. of spikelets/panicle 4. Yield **Farmers practice** 1. Same as above
Rapeseed (**Varietal performance of late sown rapeseed variety TS- 67)**	Low yield of rapeseed in rice based cropping system due to non availabilty of late sown var. (70%)	**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	6	-	**<u>New technology</u>** 1. Plant height 2. No. of pods/plant 3. No. of seeds/pod 4. Yield **Farmers practice** 1. Same as above

On Farm Testing for 2020-21 (Discipline: Fishery)

Crop / Enterprise	Problem diagnosis (with extent/ severity of problem)	Details of Technology/ Social Concept/ methodology to be		Source of techno and year release of (if any)	No. of trials proposed to be		Parameters of assessment/refinement
		Assessed	Refined		Assessed	Refined	
Amur Carp **(Seed production of improved variety of Common carp (Amur carp)**	Unavailability of quality fish seed (75%)	**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	-	ICAR RC for NEH Region, Barapani, 2014	4	-	**<u>New technology</u>** i.Hatching percentage ii.Average egg produce per kg body weight iii.Water temperature iv.Water pH **Farmers practice** 1. Natural breeding

On Farm Testing for 2020-21 (Discipline: Fishery)

Crop / Enterprise	Problem diagnosis (with extent/ severity of problem)	Details of Technology/ Social Concept/ methodology to be		Source of techno and year release of (if any)	No. of trials proposed to be		Parameters of assessment/refinement
		Assessed	Refined		Assessed	Refined	
IMC, Exotic Carps and Pengba (**Performance evaluation of Pengba fish in composite culture system)**	Low diversification of culture fish sp. (67%)	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	-	**<u>New technology</u>** i. Fish growth at monthly interval ii. Fish yield iii. Income **Farmers practice** i. Same as above

On Farm Testing for 2020-21 (Discipline: Plant Protection)

Crop / Enterprise	Problem diagnosis (with extent/ severity of problem)	Details of Technology/ Social Concept/ methodology to be		Source of techno and year release of (if any)	No. of trials proposed to be		Parameters of assessment/refinement
		Assessed	Refined		Assess	Refine	
Maize **(IPM of FAW on maize**)	FAW (78%)	i. Seed treatment with Thiomethoxam 19.8% @ 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 seed kernel oil/ Azadirachtin 1500 ppm @ 5ml/l, Chloran traniliprole 18.5% @ 0.4ml/l at early whorl to late whorl stage		ICAR, Manipur Centre, 2019	4		**<u>New technology</u>** i.Percent pest infestation ii.Yield **Farmers practice** i. Same as above

On Farm Testing for 2020-21 (Discipline: Plant Protection)

Crop / Enterprise	Problem diagnosis (with extent/ severity of problem)	Details of Technology/ Social Concept/ methodology to be		Source of techno and year release of (if any)	No. of trials proposed to be		Parameters of assessment/refinement
		Assessed	Refined		Assess	Refine	
Onion (**IPM of onion leaf miner)**	leaf miner (62%)	i. Application of parasitoid Trybliographa rapae or Aphaeres minuta ii. Application of Imidachloprid @ 0.02% at initial stage of infestation		CAU, Imphal, 2015	4		**<u>New technology</u>** i.Percent pest infestation ii.Yield **Farmers practice** i. Same as above

On Farm Testing for 2020-21 (Discipline: Animal Science)

Crop / Enterprise	Problem diagnosis (with extent/ severity of problem)	Details of Technology/ Social Concept/ methodology to be		Source of techno and year release of (if any)	No. of trials proposed to be		Parameters of assessment/refinement
		A	R		A	R	
Poultry	Less availability of local bird (65%)	Kamrupa birds (dual purpose, multicoloured)		AAU, khanapara 2014	5units (150 birds)		**New technology** i. Live body weight gain in Kg. (monthly) ii. Egg production **Farmer practice** i. Same as technology
Poultry	Non availability of chicken meat with high medicinal value (72%)	Kadaknath birds,		Nanaji Deshmukh Veterinary Science University, Jabalpur, MP, 2017	5units (150 birds)		**New technology** i. Live body weight gain in Kg. (monthly) ii. Egg production **Farmer practice** i. Same as technology

On Farm Testing for 2020-21 (Discipline: Animal Science)

Crop / Enterprise	Problem diagnosis (with extent/ severity of problem)	Details of Technology / Social Concept/ methodology to be		Source of techno and year release of (if any)		No. of trials proposed to be		Parameters of assessment/refinement
		A	R			A	R	
Piggery	Poor growth rate of local pigs (70%)	Lumsnia ng		ICAR, Barapani, 2017		3 units (6 pigs)		**New technology** i. Live body weight gain in Kg. (monthly) **Farmer practice** i. Same as technology

On Farm Testing for 2020-21 (Discipline: Agri. extension)

Crop / Enterprise	Problem with severity	Technology/ Social Concept/ methodology to be		Source of techno and year release of (if any)	No. of trials proposed to be		Parameters of assessment/refinement
		Assessed	Refined		Assess	Refined	
Pulses	-	Impact study of CFLD pulses	-	-	20		i. Income ii. Cropping intensity
Tomato	-	Technology gap analysis of recommended package of practices for production of tomato and farmers practice	-	-	10		i. Yield ii. Income

FLDs (Discipline–Wise Summary) for 2020-21

Discipline	Crop/enterprise	No. of Technology/ Social Concept/ methodology	No. of demos proposed	Area (ha) to be covered/ no. of items/ activity	No. of participants/farmers to be covered
PBG	Paddy	1	12	3 ha	12
	Paddy	1	12	3 ha	12
	Maize	1	12	3 ha	12
Fishery	Fish cum duck	1	10	1 ha	10
	Fish cum paddy	1	10	1 ha	10
	Amur carp	1	10	1 ha	10
Plant protection	Pea	1	4	1 ha	4
	Paddy	1	4	2 ha	4
	Mushroom	1	5	5 units	5
Horticulture	King chilli	1	4	4 units	4
	Pumpkin	1	6	1 ha	6
	French Bean	1	8	1 ha	8

FLDs (Discipline–Wise Summary) for 2020-21

Discipline	Crop/enterprise	No. of Technology / Social Concept	No. of demos proposed	Area (ha) to be covered/ no. of activity	No. of participants/farmers to be covered
Animal science	Poultry	1	10	10units	10
	Duckery	1	10	10units	10
	Duckery	1	10	10units	10
Agril Extension	Maize & Groundnut	1	40	40 units	40
	Crop production technology	1	40	40 units	40
Agro-forestry	Tree bean, citrus, hollock, Pulse crop	1	4	1 ha	4
Home Science	Nutrition garden	1	10	10 units	10
	Charcoal Briquette	1	10	10 units	10
Farm Manager	Gerbera	1	2	2 units	2
Total		**21**	**233**	**18ha &141 units**	**233**

FLD for 2020-21,Discipline: PBG

Crop / Enterprise	Details of Technology/ Social Concept/ methodology to be Demonstrated	Source and year of release (if any)	No. of demonstrations	Area (ha)/ No. of activity/ items to be covered	No. of farmers to be covered/ benefitted	Parameters selected for demonstration
Paddy (**Popularisation of paddy var RC Maniphou 12)**	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	3	12	1. Plant ht. 2. No. of tillers/plant 3. No. of spikelets/panicle 4. Yield
Paddy (**Popularisation of seed production technology Paddy var. RC Maniphou 13)**	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	3	12	1. Plant ht. 2. No. of tillers/plant 3. No. of spikelets/panicle 4. Yield

FLD for 2020-21,Discipline: PBG

Crop / Enterprise	Details of Technology/ Social Concept/ methodology to be Demonstrated	Source and year of release (if any)	No. of demonstrations	Area (ha)/ No. of activity/ items to be covered	No. of farmers to be covered/ benefitted	Parameters selected for demonstration
Maize (**Popularisation of maize var. HQPM 5)**	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	3	12	1. Plt ht 2. No. of cobs/plt 3. Yield

FLD for 2020-21,Discipline: Fishery

Crop / Enterprise	Details of Technology/ Social Concept/ methodology to be Demonstrated	Source and year of release (if any)	No. of demonstrations	Area (ha)/ No. of activity/ items to be covered	No. of farmers to be covered/ benefitted	Parameters selected for demonstration
Carps and Duck (**Demonstration on Duck cum Fish culture)**	**Fish species** : IMC **Stocking density :** 10000 nos./ha. **Duck var**,- khaki campbell /white pekin @300/ha	ICAR, Barapani, 2010	10	1ha	10	i. Fish growth at monthly interval ii. Live body weight gain in Kg. of duck at monthly interval

FLD for 2020-21,Discipline: Fishery

Crop / Enterprise	Details of Technology/ Social Concept/ methodology to be Demonstrated	Source and year of release (if any)	No. of demonstrations	Area (ha)/ No. of activity/ items to be covered	No. of farmers to be covered/ benefitted	Parameters selected for demonstration
Fish and Paddy (**Demonstration on Paddy cum fish culture**)	**Fish species**: Common carp **Stoking density**: 5000 nos./ha **Perimeter canal:** Width : 1m, depth: 0.75 m Paddy var. local	ICAR, Barapani, 2013	10	1ha	10	i. Yield record ii. B:C ratio
Amur carp **(Popularization of Jayanti Rohu in composite fish culture system**)	**Stocking density**: Jayanti Rohu @4500 nos. /ha + 6000 nos. carp/ ha. **Culture period:** 7 months **Feeding:** @3 % body wt.	CIFA, 2014	10	1ha	10	i. Growth rate ii. mortality

FLD for 2020-21,Discipline: Plant Protection

Crop / Enterprise	Details of Technology/ Social Concept/ methodology to be Demonstrated	Source and year of release (if any)	No. of demonstrations	Area (ha)/ No. of activity/ items to be covered	No. of farmers to be covered/ benefitted	Parameters selected for demonstration
Pea **(IDM for dry foot rot in pea)**	i. Seed treatment with T. viride @ 5g/kg seed ii. Foliar application of carbendazim @ 0.05% twice at 10 days intervals on appearance of disease	AAU, Jorhat, 2008	5	1	5	i. % disease infestation ii.Yield
Rice (**IPM of yellow stem borer)**	i. Balance application NPK @ 60:40:30 kg/ha ii.Use of Scirpo lure pheromone trap @ 8 traps/ha iii.Use of T. chilonis @ 50000/ha (adults) twice from 30 DAT	CAU, Imphal, 2013	8	2	8	i.% pest infestation ii.Yield

FLD for 2020-21,Discipline: Plant Protection

Crop / Enterprise	Details of Technology/ Social Concept/ methodology to be Demonstrated	Source and year of release (if any)	No. of demonstrations	Area (ha)/ No. of activity/ items to be covered	No. of farmers to be covered/ benefitted	Parameters selected for demonstration
Mushroom (**Year round mushroom cultivation for generating income from agro waste materials)**	Oyster mushroom 1.P. Sajor caju 2.P. ellum 3..P. flavelatus	IARI, New Delhi, 2010	5	5 units	5	i.Yield ii.income

FLD for 2020-21,Discipline: Horticulture

Crop / Enterprise	Details of Technology/ Social Concept/ methodology to be Demonstrated	Source and year of release (if any)	No. of demonstrations	Area (ha)/ No. of activity/ items to be covered	No. of farmers to be covered/ benefitted	Parameters selected for demonstration
King chilli (**Growing of king chilli in micro-climate (poly house**).	**Spacing** 50cm x 50 cm, FYM @ 5kg/2sq.m., **NPK @** 3gm:2gm:2gm per plant at the time of transplanting	CAU, Imphal, 2015	4	4 units	4	i. Plant height ii. No. of fruits per plant iii.Yield per plant iv.B.C ratio
Pumpkin (**Popularisation of kharif pumpkin var. Arjuna**)	var. Arjuna Seed rate 2kg/ha (2-4 seeds/hill), seed depth- 2.5 cm, FYM @ 5t/ha, NPK- 60:30:30	AAU, Jorhat, 2015	6	1 ha	6	1.Yield 2.No. of fruits per plant 3. BC ratio

FLD for 2020-21,Discipline: Horticulture

Crop / Enterprise	Details of Technology/ Social Concept/ methodology to be Demonstrated	Source and year of release (if any)	No. of demonstrations	Area (ha)/ No. of activity/ items to be covered	No. of farmers to be covered/ benefitted	Parameters selected for demonstration
Frenchbean (**Popularisation of frenchbean var. Arka Anoop**)	**Var**. Arka Anoop Yield potential of 20 t/ha. Duration of 70-75 days Combined resistance to rust and bacterial blight	IIHR, Bangalore, 2012	8	1 ha.	8	i.Plant height, ii.No. of fruits/plant iii.Yield iv.BC ratio

FLD for 2020-21,Discipline: Animal Science

Crop / Enterprise	Details of Technology/ Social Concept/ methodology to be Demonstrated	Source and year of release (if any)	No. of demonstrations	Area (ha)/ No. of activity/ items to be covered	No. of farmers to be covered/ benefitted	Parameters selected for demonstration
Poultry (**Backyard poultry rearing for empowering farm women)**	Vanaraja breed (Improved dual purpose)	DPR, Hyderabad, 2015	10	10 units (300 birds)	10	i.Live body weight gain in Kg. (monthly) ii.Egg production
Duckery (**Popularisation of white pekin duck for meat purpose**)	White Pekin Breed	ICAR, Nagaland, 2012	10	10 units (200 birds)	10	i.Live body weight gain in Kg. (monthly) ii.Egg production

FLD for 2020-21,Discipline: Animal Science

Crop / Enterprise	Details of Technology/ Social Concept/ methodology to be Demonstrated	Source and year of release (if any)	No. of demonstrations	Area (ha)/ No. of activity/ items to be covered	No. of farmers to be covered / benefitted	Parameters selected for demonstration
Duckery (**Rearing of Khaki Campbell for household nutritional security)**	Khaki Campbell breed	ICAR, Nagaland, 2012	10	10 units (200 birds)	10	i.Live body weight gain in Kg. (monthly) ii.Egg production

FLD for 2020-21,Discipline: Agricultural Extension

Crop / Enterprise	Details of Technology/ Social Concept/ methodology to be Demonstrated	Source and year of release (if any)	No. of demonstrations	Area (ha)/ No. of activity/ items to be covered	No. of farmers to be covered/ benefitted	Parameters selected for demonstration
Maize & Groundnut	Impact assessment of intercropping of maize & groundnut under rainfed condition	-	40	40 units	40	i. Area covered ii. Yield
-	Impact assessment on the FLDs on various crop production technology conducted by KVK-Senapati during last three years	-	40	40 units	40	i. Extent of adoption ii. Attitude of farmers towards production technology

FLD for 2020-21,Discipline: Agroforestry

Crop / Enterprise	Details of Technology/ Social Concept/ methodology to be Demonstrated	Source and year of release (if any)	No. of demonstrations	Area (ha)/ No. of activity/ items to be covered	No. of farmers to be covered/ benefitted	Parameters selected for demonstration
Treebean, citrus, hollock, pulse crop	Intercropping of MPTs with pulse crop (Blackgram, ricebean)	ICAR centre , Manipur	4	1	4	1. Tree height, girth, crop yield

FLD for 2020-21,Discipline: Home Science

Crop / Enterprise	Details of Technology/ Social Concept/ methodology to be Demonstrated	Source and year of release (if any)	No. of demonstrations	Area (ha)/ No. of activity/ items to be covered	No. of farmers to be covered/ benefitted	Parameters selected for demonstration
Vegetables (cabbage, amaranthus, Spinach, Coriander,chilly, onion, beans, tomato, broccoli)	Promotion of Nutritional garden for household nutritional security	ICAR, Barapani, 2012	10	10units	10	1. Nutritional diversity of food intake 2. Savings in food budget
Charcoal Briquette	Making of fuel cake with briquette , waste Charcoal & mud @ 2:1	ICAR, Imphal, 2008	10	10 units	10	1 . Efficiency of Briquette Made fuel cake

FLD for 2020-21,Discipline: Farm Management

Crop / Enterprise	Details of Technology/ Social Concept/ methodology to be Demonstrated	Source and year of release (if any)	No. of demonstrations	Area (ha)/ No. of activity/ items to be covered	No. of farmers to be covered/ benefitted	Parameters selected for demonstration
Flower (**Cultivation technology of gerbera under polyhouse**)	Var. Arka Ashwa (IIHR-3-34) Spacing- 37x30, FYM @ 8-9 kg/sq.m, NPK @ 12:15:20 gm/sq.m during first three months & 15:10:30 gm/sq.m from 4th months when flowering starts in 2 split doses @ 2 weeks interval	IIHR, Bangalore, 2014	3	3 units	3	1. Plant ht. 2.No. of flower/sq.m 3.Flower yield/sq.m

Training Programmes (for Farmers) for 2020-21

Discipline	No. of training prog and Course (No.)	Farmer Beneficiaries (Nos.)				
		On	Off	Spon.	Vocational	Total
PBG	3	50	25	-	-	75
Agro-forestry	4	-	100	-	-	100
Fishery	3	-	75	-	-	75
Horticulture	3	25	50	-	-	75
Animal science	3	25	50	-	-	75
Home Science	4	25	50	-	20	100
Plant Protection	3	-	75	-	-	75
Agril Extension	3	25	50	-	-	75
Farm Management	3	25	50	-	-	75
Total	**29**	**175**	**525**	**-**	**20**	**720**

Training Programmes (for Rural Youth) for2020-21

Discipline	No. of training prog. and Course (No.)	Rural Youth Beneficiaries (Nos.)				
		On	Off	Spon.	Voc.	Total
PBG	3	25	25	-	25	75
Fishery Science	3	25	25	-	25	75
Agro-forestry	3	50	25	-	-	75
Horticulture	3	25	25	-	25	75
Animal Science	3	25	25	-	25	75
Home Science	4	-	75	-	20	95
PP	3	25	25	-	25	75
Agril Extension	2	25	25	-	-	50
Farm Management	3	-	50	-	25	75
Total	**27**	**200**	**300**	-	**170**	**670**

Training Programmes(for Extension Personnel)for 2020-21

Discipline		Extension Functionaries (Nos.)			
	Course (No.)	On	Off	Spon.	Total
PBG	1	20	-	-	20
Fishery Science	1	15	-	-	15
Agro-forestry	1	25		-	25
Horticulture	1	25	-	-	25
Animal Science	1	20	-	-	20
Agrii. Extension	1	20	-	-	20
PP	1	25	-	-	25
Farm Management	1	25	-	-	25
Total	**8**	**175**	-	-	**175**

Extension Programmes/Activities for 2020-21

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	-	62
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 2020-21

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	5.00	Rs. 20/kg	70
Oilseeds	Soybean	Dsb 19	3.50	Rs. 30/kg	28
	Groundnut	ICGS-76	5.00	Rs. 80/kg	75
	Rapeseed	TS 38	4.00	Rs. 30/kg	100
Pulses	Blackgram	PU 31	0.5	Rs. 60/kg	6
	Fieldpea	Aman	0.5	Rs. 80/kg	7
Spices	Ginger	Nadia	2.5	Rs. 15/kg	10
	Turmeric	Lakkadong	15	Rs. 15/kg	25
		Total	**36**		**321**

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	Lime	Kachai lime	3500	Rs. 15/seedling	12
	Mandarin	Khasi mandarin	5000	Rs. 15/seedling	15
	Kiwifruit	Allison, , Monty, Hayward	2000	Rs. 80/seedling	10
Spices	Large cardamom	Golsay & Ramsay	10,000	Rs. 15/seedling	20
Forest Species	*Acacia mangium*	MPTS	2000	Rs.5/plant	6
	Terminalia myriocarpa	MPTS	4000	Rs.10/plant	10
	Jacaranda mimisifolia	MPTS	5000	Rs.10/plant	15
	Podocarpus neriifolius	MPTS	1000	Rs. 5/plant	5
	Zanthoxylum limonella	MPTS	2000	Rs.5/plant	10
	Terminalia chebula	MPTS	1000	Rs.5/plant	4

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	Rare ball	15000	Rs.2/plant	15
	Broccoli	Pushpa	7000	Rs.5/plant	10
	Tomato	Arka Rakshak	15000	Rs.2/plant	15
	King Chilli	Local improved	4000	Rs.5/plant	10
	Brinjal	Pusa purple long	5000	Rs.2/plant	8
	Tree tomato	Local improved	2000	Rs.3/plant	10
Flowers	Statice,petunia, hybrid marigold	-	5000	Rs.10/plant	10
Total			**88500**		**187**

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	4,00000	
	Piglet	Cross bred Hampshire	100	-
Mushroom	Spawn	oyster		1000
Total				**4020**

Soil & Water Sample Analysis / Soil Health Cards (SHCs) for 2020-21

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	1000	1000	20	-	1000
2.	Water sample	-	-	-	-	-
	Total	1000	1000	20	-	1000

Mobile Advisory for 2020-21

Message type sent	**Crop**		**Livestock**		**Weather**		**Marketing**		**Awareness**		**Other Enterprise**		**Total**	
	No. of Message	No. of Beneficiary	No. of Message	No. of Benef iciary	No. of Message	No. of Benef iciary	No. of Message	No. of Benefi ciary	No. of Message	No. of Benef iciary	No. of Message	No. of Benef iciary	No. of Message	No. of Beneficiary
Text only	150	480	90	230	20	50	40	120	20	110	20	70	340	1060
Voice only	120	320	30	160	200	90	40	120	10	110	10	60	410	860
Voice and Text both	-	-	-	-	-	-	-	-	--	-	-	-	-	-
Total	270	800	120	390	220	140	80	240	30	220	30	130	750	1920

Contingency Planning for 2020-21

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 2020-21**

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 2020-21

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 2020-21 (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)