



ANNUAL ZONAL ACTION PLAN 2022 KRISHI VIGYAN KENDRA, IMPHAL EAST

Staff Position

SI No.	Name of the incumbent	Designation	Discipline
1		Sr. Scientist & Head	-
2	S. Molibala Devi	Subject Matter Specialist	Home Science
3	Md. Abdul Salam	Subject Matter Specialist	Fishery
4	Nandini Chongtham	Subject Matter Specialist	Agronomy
5	Gunajit Oinam	Subject Matter Specialist	Agri. Engg
6	Dr. H. Ramananda Singh	Subject Matter Specialist	Entomology
7	Dr. Priyadarshini Salam	Subject Matter Specialist	Horticulture
8	Dr. Th. Sushilkumar Singh	Programme Assistant	Veterinary
9	Smt. M. Bharti Devi	Programme Assistant	Computer Sc.
10	O. Singhajit Singh	Jr. Steno cum Comp. Operator	
11	Shri. H. Budhi Singh	Driver	NA
12	Shri. Sh. Jiten Singh	Driver	NA
13	Smt. Ch. Tilotama Devi	Supporting staff	NA
14	Shri. Ch. Bijen Singh	Supporting staff	NA
15		Farm Manager	_
16		Office Assistant	

Recommendations of 14th SAC Meeting held on 12th Jan 2022

_	Discipline	Suggestion	Action taken	
	1. OFT :			
	Fisheries	Specification on similarity of pond environment like pond depth should be given on all OFTs	Incorporated	
	Home Science	Addition of another treatment of blanching for 5 minutes- drenching- drying on OFT of Osmo dehydrated pineapple slices	Incorporated	
	Ag. Engg.	Mention the water volume on OFT of mini sprinkler in onion through treadle pump	Incorporated	
	2. FLDs:			
	Fisheries	Highest and lowest growth on FLD of mixed tilapia and carp culture should be added	Will be incorporated	
	Horticulture	Check soyabean variety for intercropping with ginger. The variety should be bushy and not spreading type.	Incorporated bushy type variety of soyabean	





Sl. No.	Title of the OFT (12 nos.)
1	Performance evaluation of Silver Barb (Barbonymus gonionotus) in monoculture system
2	Performance evaluation of Pabda (<i>Ompok bimaculatus</i>) in composite culture
3	Seed production of Anabas testudineus (Ukabi) and Clarius magur (Ngakra)
4	Performance of Osmo dehydrated Pineapple Slices
5	Extraction of fibre from Okra through optimum retting time
6	Nutri-Rich crop diversification in nutritional garden
7	Performance evaluation on Gravity Fed Drip Irrigation system in increasing Tomato Yield
8	Performance evaluation of mini sprinkler in onion through treadle pump: A low cost irrigation option for marginal Farmers
9	Management of Diamond Back Moth and Cabbage Butterfly in Cabbage for Higher Productivity
10	Management of Fall Armyworm
11	Organic Cultivation of King Chilli
12	Assessment of Onion variety- Arka Kirthiman and Arka Bheem



OFT-01



Enterpr se	i	Prioritized Problem	Details of technology	Sour	ce	Observations		Area	0.75
Fisherie	minor carp		Stocking density - 120000/ha (fry)CIFeeding rate - 3 % body weight20Feeding interval - twice a day20		,	 Survival rate after 120 days 		Replications	3
		farmers.	Feed : Floating feed (30-32 % Protein)		 Growth after 120 days 		Cost per Trial	Rs. 40000
		demand and	Culture period: 120 days T1 = 80000 fingerling/ha;			Net returnBCR		Total Cost	Rs. 120000/-
		the state.	T2 = 100000 fingerling/ha; T3 = 120000 fingerling/tank						
0	OFT-02 Performance evaluation of Pabda (<i>Ompol</i>			bimacu	latu	<i>ls</i>) in composite cul	tur	e	2 nd year
Enterp rise		Prioritized Problem	Details of technology	Source		Observations	Ar		0.75
Fisheries				OF,		Survival rate after	Re	plications	3
	d	istrict	Feeding interval – twice a day	018		120 days Growth after 120	Co	st per Trial	Rs. 40000
	р	roduction and	Feed : Floating feed (30-32 % Protein) Culture period: 6 months		\triangleright	days Net return BCR	То	tal Cost	Rs. 120000/-
			T1 = 8000 fingerling/ha; T2 = 10000 fingerling/ha;					Scienti	sts
			T3 = 12000 fingerling/tank					SMS- Fisl	neries



OFT-03

Seed production of *Anabas testudineus* (Ukabi) and *Clarius magur* (Ngakra)



Enterp	Prioritized	Details of technology	Source	Observations	Unit	3
rise	Problem				Cost per Trial	Rs. 20000
Fisheri es		Breeding season- May-August Brooder size: 100-180 gm	COF, 2020	Spawning rate	Total Cost	Rs. 60000
	Anabas and magur seed Ovatide- 0.5 ml per kg BW Oxytocin -40milli-International		Fertilization rateSurvival	Unit Scientis	sts	
		Units per kg BW (after 12 h)			SMS- Fish	neries

OFT-04

Performance of Osmo dehydrated Pineapple Slices

2nd year

Crop	Prioritized Problem	Details of technology	Source	Observation	Units	5
Pineapple	Limited value added	T ₁ : Soaking pineapple in normal	Navsari	1. Shelf life	Replications	5
		sugar syrup for overnight T ₂ : Soaking pineapple slices in	Agricultutre University,	5 8	Cost per Trial	Rs. 3000/-
	Need for more novel		2017		Total Cost	Rs. 15000/-
	pineapple products as	20 hours)				
	pineapple has been	T_3 : Pre treatment of KMS @ 1.5				
	identified as priotized	g/kg of pineapple for 8 hrs before				
	crop of the district.	osmosis followed by Blanching				
		for 5 minutes-drenching-drying				
		Scient	tists			

SMS- Home Science, Horticulture

	OFT-05	Extraction of fibre from Okra th	nrough opt	imum retting time	1 st y	ear
Crop	Prioritized Problem	Details of technology	Source	Observation	Units	5
Okra	Non exploration of fibre extraction from bio-	T_1 : Optimization of water retting time at 10 days	AAU	1. Fibre recovery/kg of	Replications	5
	degradable Okra stalks	time at 10 days	Jorhat, 2017	wet stalk 2. Fibre recovery/kg of dry retted fibre 3. Extent of fibre utilization for value addition	Cost per Trial	Rs. 7000/-
	C	T_2 : Optimization of water retting time at 15 days	2017		Total Cost	Rs. 35000/-
					Scien	tists
		Farmers practice : Water Retting at 07 days			SMS- Home Scier	nce, Horticulture

OFT-o6		Nutri-Rich crop diversificati	2 nd year			
Crop	Prioritized Problem	Details of technology	Source	Observation	Trial	3
Chia,	Limited nutri rich	 Incorporation of Chia in 80- 100 ag m area 	ATARI	1. Yield	Replications	3
Quinoa, seasonal	crops and vegetables in kitchen garden	100 sq.m area➢ Incorporation of Quinoa in 50-	Jabalpur 2019	2. Expected nutrient supplementation/100	Cost per Trial	Rs. 3000/-
vegetables		80 sq.m	2017	g	Total Cost	Rs. 9000/-
		 Cultivation of nutri rich seasonal fruits and vegetables 				
		Seasonal fruits and vegetables			Scier	ntists
	()				SMS- Home Scie	nce, Horticulture
	· · · · · · · · · · · · · · · · · · ·		·′			



Performance evaluation of mini sprinkler in onion through treadle pump: A low cost irrigation option for



marginal Farmers

Crop	Prioritized Problem	Details of technology		So	urce	Observations	Area	300 m²/unit
Onion	High volume requirement of water	Crop: Onion; Var.Arka Kirthima Spacing:20cm x 10 cm	an			Water use efficiency (WUE	Replications	3
	with flooding system of Area: 0.75ha University,		= Crop yield kg/water	Cost per Tria	l Rs. 20000/-			
	Inightion on onion and high cost of irrigationPump: Treadle Recommended overlaping:30%2015Con Fie Loc	consumption m ³), Field Capacity,	Total Cost	Rs. 60000/-				
		Irrigation Scheduling: Alternate day		ay		Labour requirement,	Scientists	
	Farmer's Practice Surface Irrigation (Manual)					Yield, BCR	SMS- Ag. Engg. Hort, PP	
OFT-o	8 Performance e	valuation on Gravity Fed Dri	<mark>p Irrig</mark>	<mark>ation s</mark>	ystem in	increasing Tomato	Yield 2	nd year
Crop	Prioritized Problem	Details of technology	Sou	irce	0	bservations	Area	0.75
Tomato	High volume	Crop: Tomato	Colle	C		se efficiency	Replications	3
	requirement of water with flooding system of	var. Arka Rakshak Spacing: 45cm x 45 cm	Agri. & P		kg/wate	= Crop yield r consumption	Cost per Trial	Rs. 20000/-
	irrigation on Tomato, low water use efficiency,	Area: 0.75 ha Irrigation Scheduling: Every	CAU	J (I),	index, L		Total Cost	Rs. 60000/-
	High weeding intensity.	three days	-			nent, Yield, BCR	Scientists	
		Farmer's practice Surface Irrigation					SMS- Ag. Engg. Hort, PP	



Management of Diamond Back Moth and Cabbage Butterfly in Cabbage for



Higher Productivity

Crop	Prioritized Problem	Details of technology	Source	Observation	Area	0.6 ha
Cabbage	Severe infestation with Diamond Back Moth and	Crop : Cabbage; Variety: Rareball➢ Spray of Neem Seed Kernal Extract	University of Horticulture	 % damage Yield of 	Replications	3
	Cabbage butterfly affecting yield of	0.03% @ 5ml/ha at 10 days interval starting from 20 DAT for 4 times	and Forestry, Solan 2015	the crop 3. B:C ratio	Cost per Trial	Rs.3500/-
	Cabbage	 Farmer Practice 	Solan 2015		Total Cost	Rs.10,500/-
OFT-10 Management of Fall Armyworm 2 nd year						

Crop	Prioritized Problem	Details of technology	Source	Observation	Area	0.75 ha
Maize	Severe infestation of fall army worm	Crop : Maize Treatment 1:	CAU (I)/DEE	 % damage Yield of 	Replications	3
	affecting growth and yield of maize	 Deep ploughing Application of sand or ash into plants 	– Advisor	the crop 3. B:C ratio	Cost per Trial	Rs. 4000/-
	 whorl of affected plants > Application of Bacillus thuringiensis @ 2g/lit 	y, 2020		Total Cost	Rs.12,000/-	
		Treatment 2: Farmer Practice			Scienti	sts
		SMS- PP, Horticult Agronomy	cure,			

	OFT-11		Organic Cultivation of King (Chilli				1 st yea	ur 😜
All 1993 of All	Prioritized Pr	oblem	Details of technology	S	ource	Ob	oservation		भाक्रुं अनुप ICAR
King Chilli	 Low yield und practice (Relia and not adopti method of cult Increased resis insect pest tow chemical meas 	ance on ITKs ing scientific tivation) stance of vards	 FYM @ 10 t per ha to be applied at final land preparation FYM should be applied @ 1 kg/pit. Application of enriched compost @ 10 t/ha or 5 t/ha + biofertilizer. The pits should be prepared 30 days ahead of transplanting. Apply Azotobacter @ 5 gm, PSB @ 5 gm and Biofor Pf @ 100 gm/pit within 7 days of transplanting. Sowing: Last week of Feb - 1st week March 	for O mana crops India ICAR Umia	- ATARI	2. 3.	Days to germination Plant height No. of branches No. of Fruits/plant Yield/plant BCR	Area Replicat Cost/Tr Total Co	ial Rs. 10000/-
	OFT-12	Asses	sment of Onion variety- Arka Kirthin	nan and	l Arka B	heer	n		t year
Crop	Prioritized Problem		Details of technology	Source	Observa	tion	I		
Onion	Low yield due to		var. Arka kirthiman (Potential yield: 45 t/ha,	IIHR	1. Bulb w	eight	Area		0.5 ha
	non-availability of suitable high		25 -130 days)	2010	(gm) 2. Bulb		Replicat	tions	3
	yielding variety of onion days, Suital		days, Suitable for both khaff and fabr season)		diameter (3. Bulb yi		Cost per	r Trial	Rs. 3000/-
		Nutrient requi	8 kg/ha; Spacing: 20X10 cm; Sowing time: October rement: 80:50:80 kg NPK / ha		(q/ha) 4. B C rati	io	Total Co	ost	Rs. 9000/-
		-	gement: Seed treatment with Trichoderma ent: Use of trap strips, Neem oil @ 5%					Scienti	sts
		> T3: local	variety (Nasik red/prema)				SMS	- Hortici	ulture, PP



Title of the FLD (16 nos.)



Sl. No.	Title of the FLD (16 nos.)
1	Performance evaluation of Anabas testudineus (Ukabi) in farm pond
2	Monoculture of Monosex tilapia
3	Popularization of Tractor drawn potato Digger
4	Popularization of rice harvesting brush cutter (Crop Reaper) suitable for small area and hilly region
5	Low Cost Pusa Concentric Onion Storage Structure
6	Popularization of Jackfruit chips for Sustained Income
7	Popularization of nutri rich millet products
8	Popularization of Solar Cabinet Dryer
9	Popularization of hermetic storage system (grain pro's super bags) for increasing quality of grains/seeds
10	Popularization of Integrated Pest Management in rice
11	Popularizing Year round Oyster Mushroom production
12	Popularization on the use of pheromone trap for management of fruit fly in cucurbits
13	Intercropping Of Ginger With Soybean
14	Popularisation of Turmeric variety Megha Turmeric-1
15	Popularization of improved crossbreed pig
16	Popularization of dual purpose poultry – Vanaraja
17	Popularization of improved Backyard Layer Poultry Grammapriya





Problem: Poor growth, low productivity of local Anabas leading to low net return

Technology details:	Source: CIFA, Bh	ubaneswar, 2018			
Stocking density-80000/ha Stocking time- May	Details of demonstration				
Feeding method – Broadcasting	No. of demonstration	Area (ha)			
Feed – Floating feed	03	0.75			
Feeding rate : 3-5 % BW	Cost of the demo-	= Rs. 150000/-			

FLD-02

FLD-01

Monoculture of Monosex tilapia

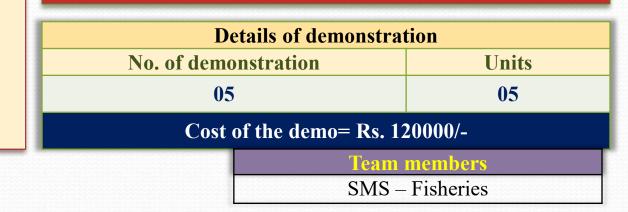
^{2nd} year

Problem: Poor growth low productivity of mixed tilapia and carp culture leading to low net return

Technology details:

Stocking density – 100000/ha Stocking time- May-June Feeding method - Broadcasting Feeding rate – 3-5% BW Feed- Floating

Source: CIFA, Bhubaneswar, 2013





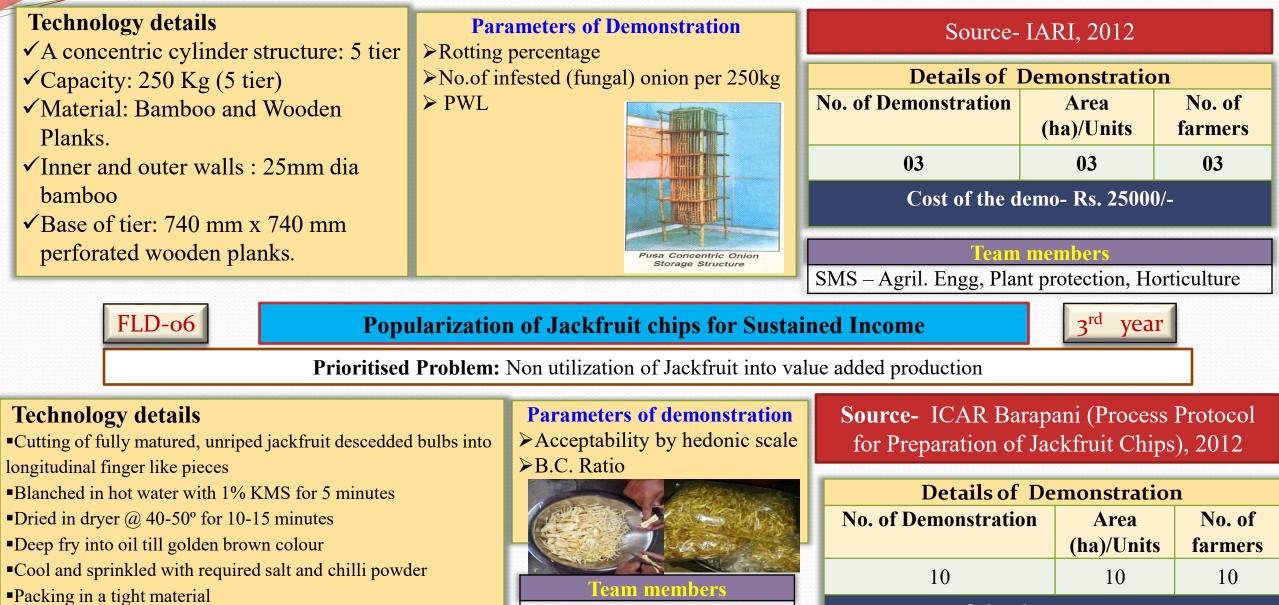


ніф'янці ІСАВ Prioritised Problem: High Cost of harvesting and more time consumption Source- CIAE, 2013 **Parameters: Technology Details** ➢ Field Capacity ≻Crop: Potato **Details of Demonstration** ≻Cost of Harvesting ≻Tractor Power:35HP No. of Area No. of Labour Requirement \succ Number of row : 2, Demonstration (ha)/Units farmers ≻Row spacing 24-26 inch, 03 1.5 03 **Farmers' Practice (Manual)** ≻Weight : 550Kg, Separation of potato: vibrating rod Cost of the demo- Rs. 25000/-**Feam members** chain (Conveyor) SMS-Agril. Engg, Hort. FLD-04 1st year **Popularization of rice harvesting brush cutter (Crop Reaper) suitable for small area and hilly region** Prioritised Problem: High cost of harvesting and more time consumption **Technology details Parameters:** Source- TNAU, 2015 ≻Crop: Paddy ➢ Field Capacity **Details of Demonstration** ≻Cost of Harvesting ≻power : 2hp, No. of Demonstration No. of Labour Requirement Area Engine type: 2-strock (ha)/Units farmers Colling system: Air cooled 03 1.5 03 ➤ Fuel Engine: Petrol Cost of the demo-Rs. 36000/-**Team members** SMS – Agril. Engg, Agronomy





Prioritised Problem: High rotting percentage and fungal infestation of onion under normal storage condition



SMS – Home Science

Cost of the demo- Rs. 30,000/-



Popularization of nutri rich millet products

1st year

4th year

Prioritised Problem: Non usage and limited use of millet as value added products

 \triangleright

pr

Technology to be demonstrated

- ✓ Millet based cake, cookies and bakery products
- Millet based namkeen snacks : spirals, bhujia, cullets

Parameters: Acceptability test by hedonic scale	Source : Indian Institute of Millet Research, Hyderabad, 2020						
Nutrient supplementation/ 100 g of the							
roduct	Details of Demonstration						
B:C ratio	No. ofUnitsNo. of farmeDemonstration						
Team members	10	10	5 SHG groups				
SMS – Home Science, Horticulture	No. of DemonstrationUnits UnitsNo. of farmer10105 SHG groups						

FLD-08

Popularization of Solar Cabinet Dryer

Prioritised Problem: Unhygienic and open state of long hours of sun drying of agricultural produce hindering income

Technology details:

The dryer with four main component that is flat plate collector, drying trays, exhaust fan and solar PV module

Specification: Dimension: 1500mm x 1000mm x 800 mm, 2 trays of 1400mm x 900mm at bottom and 900mm x 400mm at the centre, double wall black painted GI sheet filled with thermocol in between the wall attached with force convection with a capacity of 10-15 kg/batch with a drying time of 1-2 days

generation						
Parameters :	Source- COA,,CAU,Imphal 2014					
	Details of Demonstration					
	No. of Demonstration	Area (ha)/Units	No. of farmers			
	05	05	05			
	Cost of the de	mo- Rs.1,35	,000/-			



Popularization of hermetic storage system (grain pro's super bags) for increasing quality of grains/seeds



Prioritised Problem: High infestation rate of storage grain/seeds pest under uncontrolled storage condition

Technology details

- ✓ EVOH (ethylene-venyl alcohol) incorporated as a barrier structure with a 7 to 9 layers structures packing and storing material
- ✓ Reusable plastic sealing tapes at 2 (two) levels for each bag making it airtight



5 5	, - -	in soous post under une ond one storag	Se contantion					
ith		Parameters: ➤ Relative humidity (before	Source-Pest Control of India 2015					
	H	andafter storage)		ails of				
t		> Pest infestation (before and	Demonstration					
	H	after storage)incidence	No. of	Units	No. of			
Ŋ.	H	Germination percentage	Demonstration		farmers			
	F		10	10	10			
		Team members	Cost of the demo- Rs. 7000/-					
		SMS – Home Science, Horticulture,						
		Plant protection, Agronomy						

FLD-10

Popularization of Integrated Pest Management Practice in rice

3rd year

Problem: Injudicious use of chemicals and inorganic sources for pest management in rice

Technology details:

- 1. Remove seedling tips before transplanting to destroy the egg masses of yellow stem borer
- 2. Avoid excessive use of nitrogenous fertilizers
- 3. Use pheromone trap (Scripo Lure @ 4acre) for monitoring yellow stem borer
- 4. Need based spray of imidacloprid @ 1ml/3 litres of water against plant hoppers

Parameters:

- Time of incidence of major insect pest
- > Yield
- B:C ratio



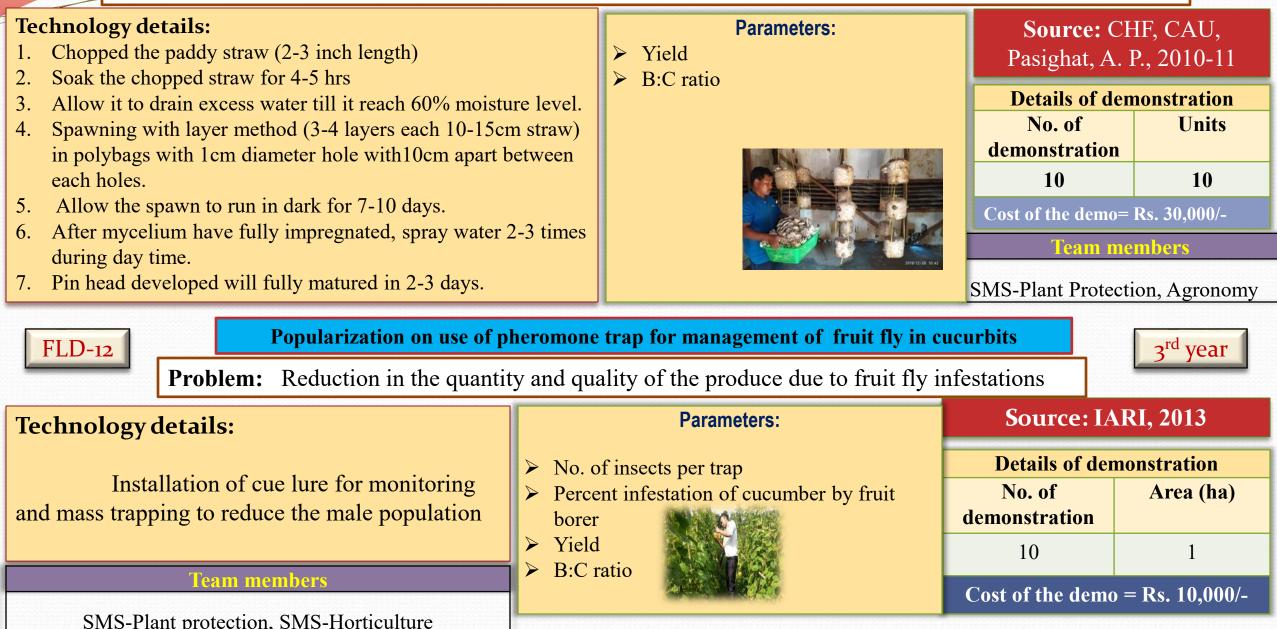
Source: IARI 2013

Details of demonstration						
No. of demonstration	Area (ha)					
06	2.5					
Cost of the demo =	Rs. 10,000/-					



3rd year

Problem: Wastage of paddy straws by burning causing environmental hazards





Intercropping of Ginger with Soybean

1st year



Prioritised Problem: ineffective utilization of land and resource, monocropping practice, growing of less renumerative

crops

Technology details: T1: Ginger var. Nadia (Plantation during	Parameters: i. Av. No. of tillers / hill	Source- ICAR	, Barapani, 20	12		
April/May)	ii. Av. No of leaves / plant	Details of Demonstration				
 Spacing : 30cm x 15 cm NPK: 100:90:90 	iii. Yield of ginger iv. Yield of Soybean	No. of Demonstration	Area (ha)	No. of farmers		
Sowing of soybean in between the rows of		03	01	04		
ginger in the month of June/July T2: Soybean var. DSB 19, DSB 32		Cost of the demo- Rs. 30,000/-				

Popularization of Turmeric variety Megha Turmeric-1

2nd year

Prioritised Problem: Unavailability of high yielding, high tolerance to disease (leaf spot and blotch), wider adaptability and processing variety of turmeric

Technology details:

FLD-14

FLD-13

- Variety: Megha Turmeric 1
- Spacing: 30 x 30 cm
- Planting time: April- May
- ≻ FYM: 20 t/ha
- ➢ NPK: 120:90:90 kg/ha

P	irai	met	ers:	
10	II al	met	UIS .	

Days to maturity

1.

- 2. Average yield of rhizome/clump (kg/plant)
- 3. Average yield/ha

Team members

SMS - Horticulture & Plant Protection

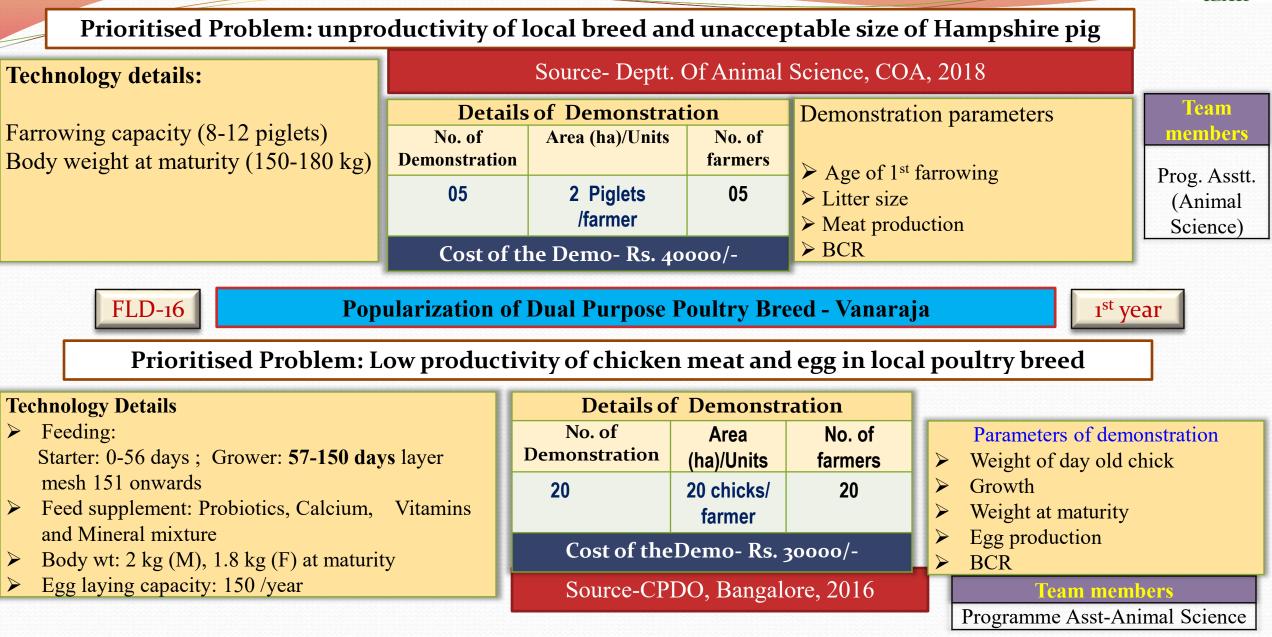
Source-ICAR (RC) for NEH Region, Umiam, Meghalaya,2013

Details of Demonstration								
No. of	Area (ha)	No. of						
Demonstration		farmers						
03	0.5	04						

Cost of the demo- Rs. 40,000/-











Prioritised Problem: Unproductivity of local breed

Source- Project Directorate of Poultry, Hyderabad, 2015

Demonstration parameters

- Body weight at 6 weeks
- ➢Body weight at maturity
- Egg Production (28-72 week)
- Egg production in nos. (160-180)
- ➤ BCR

Deta	ils of Demonstratior		
No. of Demonstration	Area (ha)/Units	No. of farmers	Team members
05	20 poultry birds /farmer	05	Prog. Asstt. (Animal Science)
Cost of	the Demo- Rs. 6000		

Other Demonstration

1. KSHAMTA:

- Establishment of vermicomposting units 03 nos.
 - 3 days training programme on cultivation of important fruit crops and insect pest and disease management
- Demonstration on improved crossbred pig for sustainable income generation
- Hands on practice on mushroom cultivation and its value chain management
- Popularisation of dual purpose poultry- Giriraja

2. NARI:

- Demonstration on Nutritional Garden
- Production of mushroom for enhanced nutrients intake
- Exhibition on Nutri Rich foods
- Training Programme on establishment of nutritional garden

Other Demonstration

3. One Crop One district :

- More pineapple suckers will be planted in an area of 2500 m2 during Aug- Sep in addition to pineapple suckers planted in an area of 5000 m2
- Hands on practice on plant protection measures and intercultural operations of pineapple
- > Training programme on value added pineapple products

Other Activities

Farmers Producer Organization (FPO)

No. of FPO formed : 01 Name of the FPO : Hingminashi FPO, Imphal East, Manipur Sponsored by: NABARD, Imphal Centre Total members : 200

Action Plan:

- Capacity building training programme for sustainable fish production based integrated farming commodities and its value chain management (2 nos.)
- Establishment of 2 Bio-floc Units
- Promotion of cage culture

Farmers Producer Organization (FPO)



No of FPO: 1 no Name of the FPO: Hingminnashi FPO, Imphal East, Manipur Sponsored by: NABARD, Imphal Centre Total members: 200 nos.











Training Programmes

		No. of trainings to be proposed													
Discipline	Farmer/FW		Rural Youth		Ex. Personnel		Sponsored		Vocational		Total				
	С	Р	С	Р	С	Р	С	Р	С	Р	С	Р			
Agril. Engg.	02	50	05	125	-	-	-	-	-	-	07	175			
Fisheries	04	100	06	150	-	-	03	60	01	20	14	330			
Home Science	02	50	04	100	2	50	-	-	-	-	18	200			
Horticulture	04	109	02	45	-	-	-	-	-	-	06	154			
Plant Protection	02	50	04	100	-	-	-	-	-	-	06	150			
Animal Science	08	200	04	100	-	-					12	300			
Total										53	1309				





1. Agril. Engineering

	NO. of							No. of	f Partici	ipants					
Торіс	days	Location	Category	Month	Month		SC		ST			Others			GT
	uuys				Μ	F	Т	Μ	F	Τ	Μ	F	Т		
Importance and scope of water harvesting and micro irrigation	03	OFF	PF	May, 2022	-	-	-	-	-	-	20	5	25	25	
Increased production and productivity through Farm mechanization (seed drill, paddy reaper, drum seeder etc.)	04	ON	RY	Jun 2022	20	5	25	-	-	-	-	-	-	25	
Construction of Low cost Vermicomposting and Mushroom House	04	OFF	RY	Jul 2022	-	-	-	-	-	-	20	5	25	25	
Use of small tools and implements for rabi crop for drudgery reduction with demonstration	04	OFF	RY	Aug 2022	-	-	-	-	-	-	20	5	25	25	





1. Agril. Engineering

	NO. of		Catagory Month		No. of Participants									
Торіс	days	Location	Category	Month	SC		ST			Others			GT	
					Μ	F	Т	Μ	F	Т	Μ	F	Т	
Increased productivity and production through Farm mechanization (seed drill, reaper, drum seeder etc.)	3	ON	PF	Nov.2022	-	-	_	_	-	-	20	5	25	25
Construction of vermicomposting structure with demonstration (pucca and pit method)	3	OFF	RY	Dec,2022	-	-	-	-	-	-	20	5	25	25
Importance and scope of water harvesting and micro irrigation	3	ON	RY	Jan,2023	20	5	25	-	-	-	-	-	-	25



2. Fisheries



	NO. of							No. of	f Partic	ipants				
Торіс	days	OFF/ON	Category	egory Month	SC		ST			Others			GT	
					Μ	F	Т	Μ	F	Т	Μ	F	Т	
Pond preparation and management of fish culture	03	OFF	RY	Apr. ,2022	-	-	-	-	-	-	20	5	25	25
Composite fish culture	03	OFF	PF	May, 2022	-	-	-	-	-	-	20	5	25	25
Bio floc culture system	03	ON	RY	June, 2022	20	5	25	-	-	-	-	-	-	25
Nursery and rearing pond management	03	OFF	RY	Jul y,2022	-	-	-	-	-	-	20	5	25	25
Paddy cum fish culture	03	OFF	RY	Aug., 2022	-	-	-	-	-	-	20	5	25	25
Pre and post stocking of intensive fish farming	03	ON	PF	Sept, 2022	20	5	25	-	-	-	-	-	-	25
Common fish disease management	03	OFF	RY	Oct, 2022	-	-	-	-	-	-	20	5	25	25
Common fish disease management	03	ON	PF	Nov, 2022	20	5	25	-	-	-	-	-	-	25
Integrated fish farming	03	ON	RY	Jan, 2023	-	-	-	20	5	25	-	-	-	25
Integrated fish farming	03	OFF	PF	Feb, 2023										



3. Home Science



							2222222222							
	NO. of			Category Month				No. of	f Partici	ipants				
Торіс	days	OFF/ON	Category	Month	Month SC		ST			Others			GT	
					Μ	F	Т	Μ	F	Т	Μ	F	Т	
Post harvest management and value addition of fruits and vegetables	4	OFF	RY	May, 212	-	-	-	-	-	-	10	15	25	25
Mushroom cultivation and its value chain management for enhance income generation	3	ON	PF/FW	June, 22	5	20	25	-	-	-	-	-	-	25
Preparation of value added jackfruit products for income generation	3	OFF	RY	July, 22	-	-	-	-	-	-	10	15	25	25
Utilization and value addition of soybean for nutritional and income generation purpose	4	ON	PF/FW	Aug, 22	5	20	25	-	-	-	-	-	-	25
Preparation of value added products of aromatic black rice	3	ON	RY	Sept., 22	-	-	-	-	-	-	-	25	25	25
Extraction of banana fibre and its utilization into value added products	4	ON	RY	Dec., 22	-	10	10	-	-	-	-	15	15	25





	NO. of			Catagony Month	No. of Participants									
Торіс	days	OFF/ON	Category	Month	SC		ST			Others			GT	
					Μ	F	Т	Μ	F	Т	Μ	F	Т	
Nursery management & techniques of Horticultural crops	3	ON	PF/FW	July, 22	11	6	17	-	-	-	5	3	8	25
Off season production technology of vegetable crops	3	OFF	PF/FW	Aug, 22	12	4	16	-	-	-	5	4	9	25
Scientific cultivation of high value low volume crops	4	OFF	RY	Aug., 22	8	2	10	-	-	-	6	4	10	20
Cultivation of important horticultural crops under protected condition	4	ON	RY	Sept., 22	16	3	19	-	-	-	6	-	6	25
Income generation through flower cultivation	3	OFF	PF/FW	Oct., 22	3	11	14	-	-	-	2	9	11	25
Production technology of bulbous vegetable crops (onion, garlic, chives)	4	OFF	PF/FW	Nov., 22	15	5	20	-	-	-	5	-	5	25



5. Plant Protection



	NO. of				No. of Participants									
Торіс	days	OFF/ON	Category	Month	SC		ST			Others			GT	
					Μ	F	Т	Μ	F	Т	Μ	F	Т	
Insect pest and disease management of French Bean	3	OFF	RY	May, 22	17	5	22	-	-	-	-	3	3	25
Scientific mushroom cultivation and its value chain management	4	OFF	RY	Aug, 22	15	3	18	-	-	-	5	2	7	25
Insect pest management in garlic and onion	3	ON	RY	Sept., 22	12	11	23	-	-	-	3	4	7	25
Insect pests and diseases of Potato and their management	3	ON	PF/FW	Oct., 22	14	5	19	-	-	-	6	-	6	25
Insect pest management of tomato and its management	3	ON	RY	Oct., 22	12	3	15	-	-	-	8	2	10	25
Integratedpestmanagement ok KingChillicultivation and itsvaluechain management	3	ON	PF/FW	Nov., 22	15	3	18	-	-	-	5	2	7	25



6. Animal Science



	NO. of	OFE/ON						No. of	f Partic	ipants				
Торіс	days	OFF/ON	Category	Month	SC		ST			Others			GT	
					Μ	F	Т	Μ	F	Т	Μ	F	Т	
Scientific rearing of dairy - cow		ON	PF	Jan., 22	20	5	25	-	-	-	-	-	-	25
Duck Farming as a resource of Income		ON	FW	Feb., 22	5	20	25	-	-	-	-	-	-	25
Schemes of National Livestock Mission, NABARD		OFF	RY	March., 22	-	-	-	-	-	-	20	5	25	25
Scientific Rearing of Goat		OFF	FW	April, 22	-	-	-	-	-	-	5	20	25	25
Disease Management of Poultry		ON	RY	May, 22	25	-	25	-	-	-	-	-	-	25
Feeding Management of Dairy Cow		OFF	PF	June, 22		-	-	-	-	-	25	-	25	25
Choice of Breed for Backyard poultry and its economics		ON	FW	July., 22	-	25	25	-	-	-	-	-	-	25



6. Animal Science



	NO. of							No. of	f Partici	ipants				
Торіс	days	OFF/ON	Category	Month	SC		ST			Others			GT	
					Μ	F	Т	Μ	F	Т	Μ	F	Т	
Scientific preparation of livestock and poultry feeds		OFF	RY	Aug., 22	-	-	-	-	-	-	13	12	25	25
Scientific rearing of commercial broiler farming		ON	PF	Sept., 22	20	5	25	-	-	-	-	-	-	25
Importance of Dual purpose of birds		OFF	PF	Oct., 22	-	-	-	-	-	-	13	12	25	25
Economic importance of oig breeding		ON	RY	Nov., 22	13	12	-	-	-	-	-	-	-	25
Cultivation of fodder and silage making		ON	PF	Dec., 22	13	12	25	-	-	-	-	-	-	25



Activities (Programmes : 1340 & Beneficiaries : 8840)



· Alternation and A						भाकुअनुप ICAR	
Activity/ programme	No. of activity/	Beneficiary (No.)	Activity/ programme	No. of activity/		Beneficiary (No.)	
	prog			prog			
Field trips	s and Visits		Publications				
1. Exposure Visits	06	180	1 Popular Articles		10		
2. Diagnostic Visit	300	400	2. Extension Literature		12		
3. Scientist Visit to Farmer's Field	300	700		Others	5		
Group	activities		1. Field Day		09	300	
1. Group Meeting	20	400	2. Method demonstration	n	30	480	
2. Ex-Trainee Meeting	10	200	3.Farmer's Seminar		01	50	
Mass outrea	ich program		4. Advisory Service		500	500	
1. Technology Week	01	100	5. TV Talk		05		
2. Jai Kishan Jai Bharat	01	120	6. Radio Talk		07		
3. Mera Goan Mera Gaurav	06	440	7. Resource Person		15	2150	
4. Kishan Gosthi	02		8. Proposed farmer's clu	ib to be	10		
		200	form			150	
5. Awareness Programme	06	600	9.Celebration of Importa	ant Days	08	250	
6. Interaction Programme	20	800	10.Newspaper coverage		20		
Camps and	l Campaigns		11.Film show		10		
1.Swatchata Bharat Campaign	05	160	12.Technology showcas	ing	06		
2. Soil Health Camp	05	220	13.Mass awareness04			400	
3. Agri Mobile Clinic	05	500					



Other Demonstrations



A Construction of the second s			भाकुअनुस् स्टिक्ष स		
Materials	Сгор	Variety	Quantity		
A. Seed materials (q)					
Cereals	Paddy	CAU-R1	100 qt		
Oilseeds	Rapeseed Mustard	TS-38; NRCH-101	10 qt; 10 qt		
Pulses	Greengram	IPM 2-3	10 qt		
	Blackgram	PU-31	20 qt		
B. Planting materials (No.)	•		•		
Spice	Onion	Bhima Dark Red/ Bhima Shakti	10000		
Vegetable	Cauliflower	White Treasure/white Excel	10000		
	Cabbage	Rareball	15000		
	Tomato	Arka Rakshak	12000		
	Peas	Makhyat mubi	80 kg		
	Strawberry	Winter dawn	1000		
	Coriander		10 kg		
Plantation crops/ forest	Tree beans	Local	500		
Bio-agents (Kg)	Earthworm	Eisenea foetida	10 kg		
Bio-fertilizers (kg)	Vermicompost		1000 kg		
Livestock strains/ fingerlings (No.)					
1.	Fish Spawn	Indian Major carp	1 million		
2.	Fish Fry	Indian Major carp	50000		
3.	Fish Fingerling	Indian Major carp	10000		
4.	Poultry chicks	Giriraja	600 chicks		
5.	Piglets	Cross Bred	60 piglets		
6.	Weaner kid	Local goat	60 kids		
7.	Native Poultry	Kadaknath	50 chicks		



Soil testing and SHCs

Sample	No. of samples to be tested	No. of SHCs proposed to be supplied to farmers
Soil sample	50	50
Water sample	200	200
Plant sample	-	-
Total	200	200





