Annual Progress Report (2020-21)







STAFF POSITION as on March, 2021 (Filled post = 13 & Vacant Post = 2)

Sl. No.	Name	Designation	Date of Joining	Discipline
1.	NIL	Sr. Scientist and Head		
2.	Smt. S. Molibala Devi	Subject Matter Specialist	20.06.2007	Home Science
3.	Mr. M. A. Salam	Subject Matter Specialist	11.06.2008	Fisheries
4.	Smt. Nandini Chongtham	Subject Matter Specialist	25.08.2008	Agronomy
5.	Er. Gunajit Oinam	Subject Matter Specialist	24.05.2012	Agril. Enggineering
6.	Dr. H. Ramananda Singh	Subject Matter Specialist	09.07.2018	Plant Protection
7.	Dr. Priyadarshini Salam	Subject Matter Specialist	09.07.2018	Horticulture
8.	Dr. Th. Sushilkumar Singh	Programme Assistant	04.10.2007	Animal Science
9.	Smt. M. Bharati Devi	Programme Assistant	03.10.2007	Computer Science
10.	NIL	Farm Manager		
11.	Mr. O. Singhajit Singh	Jr. Stenographer cum Computer Operator	22.07.2012	Education
12.	Mr. H. Budhi Singh	Driver cum Mechanic	09.10.2007	NA
13.	Mr. Sh. Jiten Singh	Driver cum Mechanic	10.10.2007	NA
14.	Mr. Ch. Bijen Singh	Multi Tasking Staff	10.10.2007	NA
15.	Smt. Ch. Tilotama Chanu	Multi Tasking Staff	03.10.2007	NA
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INFRA STRUCTURE FACILITIES/VEHICLES as on March, 2021

Sl. No.	Infra-structure facility	Pres	sent Status		Remarks (including quantity and quality at
		Existing/ Completed	On-going	New proposal	present)
1.	Administrative building	Completed	-	-	-
2.	Staff Quarters	-	-	-	-
3.	Farmers' hostel	-	-	-	-
4.	Demonstration Units	Completed			Piggery unit(1), Goatery Unit(1), Poultry Unit(2), Duckery (1), Low Cost Mushroom (1), Low Cost Vermicompost (4), Water reed cum fishery (1) Cattle unit (1)
5.	Fencing/boundary wall	Completed	-	-	-
6.	Vehicle-				
	a. Four Wheeler			Covered 1.35,123 km till date Requires frequent servicing and repairing, needs replacement	
	a. Tractor				
	a. Power Tiller	√ Running/ Condemned/ Not available			
i.	Any other (Pl. specify)				Poly house (2), Shade net (1), Automatic Weather Station (1)





Rainfall Data 2020-2021

Month	Rainfall Received (mm)
January, 2020	65.8
February, 2020	13.3
March, 2020	12.1
April, 2020	102.8
May, 2020	148.6
June, 2020	307.4
July, 2020	270.8
August, 2020	205.7
September, 2020	229.9
October, 2020	165.8
November, 2020	104.9
December, 2020	Nil
Total:	1627.1





SIGNIFICANT ACHIEVEMENTS (2020)

Sl No	Award	Awarded to	Awarded by	
01	Pandit Deen Dayal Upadhyay Rashtriya Krishi Vigyan Protshahan Puraskar 2019	KVK, Imphal East	ICAR, New Delhi	
02	Best Poster Presentation Award of the International Web Conference	SMS, Agril. Engg	ANRCM, Lucknow	
03	Scientist of the Year Award 2019-20	SMS, Agril. Engg	Society of Krishi Vigyan	
04	Best KVK Scientist Award 2020	SMS, Fisheries	Society of Krishi Vigyan	
05	1 st Prize in Poster presentation	SMS, Fisheries	Soil Conservation of Society of India, New Delhi	
06	1 st Prize in poster presentation	SMS, Plant Protection	ICAR (NBAIR) Bengaluru	
07	Best Fish Farmers Award during 20 th National Fish Farmers Day	Progressive Farmer Imphal East	CAU, Imphal	















List of technologies identified/recommended for large scale adoption during last 2 years

Sl. No.	Details of technologies	Source and year of release	Area coverage (ha)/ extent of adoption (%) in the district
1	Eight Row Paddy Drum Seeder	TNAU, 2010	24 ha
2.	Cultivation of Field Pea var. Aman	IIPR, Kanpur, 2012	90 ha
3.	Cultivation of Blackgram var. PU-31	Recommended by AICRP, CAU, Imphal ,2015	35 ha
4.	Cultivation of maize var. HQPM-1	Anand Agricultural University, Gujarat, 2011	22 ha
5.	Popularization of Guava Cheese	Horticulture Division ICAR Research Complex for NEH Region Umiam, 2014	3 units for commercialization
6.	Value Added products of Mushroom	Directorate of Mushroom Research Solan, HP 2016	Commercialization and expansion upto 5 units





ON FARM TRIAL (OFTs)

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UMMARY OF OFTs	Achievement: 15 numbers
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Sl. No.	Title of OFTs
1	Utilisation of Squash for preparation of Wadi
2	Performance Evaluation of Low Cost Pusa Concentric Onion Storage Structure
3	Performance of hand crank rice transplanter for hilly area and small plot area
4	Performance of short duration, high yielding field pea variety TRCP- 9
5	Performance Evaluation of Toria var. TRC T-1-1-5-1 (Tripura Toria) under zero tillage cultivation
6	Management of Early blight and late blight of potato
7	Management of Diamond Back Moth and Cabbage Butterfly in Cabbage for Higher Productivity
8	Performance evaluation of Papaya Var. RCTP1 (Tripura papita)
9	Performance evaluation of new variety of French Bean Var. MZFB 48
10	Performance evaluation of Onion variety Bhima Shakti
11	Fish fingerling production through cage system
12	Periphyton based fish farming
13	Monoculture of air breathing fish (Anabas)
14	Paddy cum fish culture using silver barb
15	Water reed cum fish culture using silver barb
OTURAL III	



Target: 18 numbers



Title of OFT: Utilisation of Squash for preparation of Wadi

Prioritised Problem: Under utilisation and non usage of squash as novel or value addition purpose

Technology details:

- Treated squash (40 %) mixed with KMS @ 1.5g/kg
- ➤ Whisking of blackgram paste @ 60 %
- ➤ Addition of spice mixture
- ➤ Mixing of squash, blackgram paste and spices
- ➤ Division into small ball spread over oil smeared tray
- ➤Dry in hot air oven or sun drying for 14-16 hrs

No.

of trials

|=05

Source: College of Community Science, CAU, Tura. 2017

Parameters on Assessment	Results on selected Parameters		
Technology / methodology	Technology: Blackgram- Squash-Bori	Farmer Practice : Blackgram Bori	
1. Recovering %	98%	88%	
2. Acceptability (Hedonic scale)	Like a lot with a hedonic scale of 5	Like a lot with a hedonic scale of 5	
3. B.C Ratio	2.85	2.65	





Remark

The 10% increase in the recovery percentage of the product over the check is observed. The added nutritional value of the squash is an additional property in the characteristic of the value added product. There is a need for popularization through commercialization of the product.





Title of OFT: Performance Evaluation of Low Cost Pusa Concentric Onion Storage Structure

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

Technology details:

- ✓ A concentric cylinder structure: 5 tier
- ✓ Capacity: 250 Kg (5 tier)
- ✓ Material: Bamboo and Wooden Planks.
- ✓ Inner and outer walls : 25mm dia bamboo
- ✓ Base of tier: 740 mm x 740 mm perforated wooden planks.

Performance parameters/	Data on parameters demo	% Change	
indicators	Demo	Demo Local (Open Storage)	
Rotting percentage	9%	20%	
No.of infested (fungal) onion	112	250	122% (Rotting percentage)
PLW (Physiological	6%	15%	

Team members

SMS –
Agricultural
Engineering
/Horticulture

Source: IARI, 2012

Details of Demonstration No. of Area No. of Cha)/un farmer it s O3 O3 O3 6



loss in Weight)













Title of OFT: Performance Evaluation of Hand Crank Rice Transplanter for hilly area and small plot area

Prioritised Problem-High cost of manual transplanting and non maintenance of spacing

Crop: Paddy

Var. CAU-R3

No. of Row: 2

Spacing: R-R 20 cm

Hill to Hill Distance: 10 cm

Farmer's practice-Surface irrigation

Source: BSKKV, Dapoli 2012

Team members

SMS – Agri Engg SMS-Agronomy

Parameters on Assessment

- 1. Field capacity
- 2. Days to crop establishment
- 3. Cost of operation
- 4. Labour requirement
- 5. Field efficiency
- 6. Yield
- 7.BCR

Results/ observation

- 1.Need for refinement as the plural pickup forks doesn't pick up the seedling from the seedling tray while operating.
- 2.Discussed with College of Agri. Engg, COA, CAU, Imphal for further refinement.









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Title of OFT- Performance of short duration, high yielding field pea variety TRCP-9

Prioritised Problem- Low yield of long duration field pea varieties due to moisture stresss under rainfed condition of the region

Details of technology:

Seed rate: 80 kg/ha

Fertilizer: 20:40:30 kg NPK/ha

Spacing : 30 cm x 10 cm

Seed treatment: Rhizobium 10ml/kg seed

TRCP-9 is suitable for both rainfed and irrigated situation of rabi season, Resistant to powdery mildew and rust, good tolerance to pod borer and stem fly, Short duration 93-95 days and yield potential is 17-18 qt/ha

ICAR Research Complex for NEH Region, Tripura Centre, 2018

Team members

SMS – Agronomy, SMS-Plant Protection







	Parameters on Assessment	Results/ observation on selected parameters				
	Technology	Technology	Farmers practice (var. Prakash)			
	Plant height	53.28 cm	59.85			
	No. of pods per plant	8.57	8.85			
	No. of seeds per pod	7.37	6.91			
	Duration in days	113 days	103 days			
l	Yield/ ha	6.25 q/ha	6.17 q/ha			
	BCR	1.56	1.54			





Title of OFT- Performance Evaluation of Toria var. TRC T-1-1-5-1 (Tripura Toria) under zero tillage cultivation

Prioritised Problem- Lack of high yielding short duration Toria varieties suitable under rainfed condition

Details of technology:

Seed rate: 14 kg/ha (Mixed with sand 1:1 and

broadcast)

Fertilizer rate: 40:20:20 kg NPK/ha

Sailent features of TRC T-1-1-5-1 (Tripura Toria)

Short Duration: 86 days

Resistant to lodging, perform well under residual moisture after kharif rice, alsoi as *utera_crop*.

Oil content 42.6% under rainfed condition.

Potential yield: 9qt/ha

ICAR Research Complex for NEH Region, Tripura Centre, 2018

Team members

SMS – Agronomy, SMS-Plant Protection



BCR

Parameters on Assessment





Results/ observation on selected parameters

Technology	Technology	Farmers practice (var. M-27)
Plant height	52.8 cm	60.58
No, of siliqua per plant	239	245
No. of seed per siliqua	22.4	21.8
Duration	105 days	98
Yield/ ha	5.60 q/ha	5.89

1.45



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1.52

Title of OFT: Management of Early blight and late blight of potato

Prioritised Problem- High incidence of Early Blight and Late Blight affecting growth and yield of Potato

Technology details:

- 1.Protective spraying of Mencozeb 75% & Zineb 75% WP @ 2gm/litre alternatively 4 times at 20 days interval from 20 DAT.
- 2.Trichoderma Harzianum @ 2.5kg + 100kg of FYM at 10-15 days before sowing + Foliar application of Trichoderma Harzianum and Pseudomonas Florescens @ 5ml each at 10 days interval 3 times from 20 DAT
- 3. Farmer Practice

Source: TNAU, August 2015 & State Biological Control Laboratory, Shillong 2008









Sl. No	Parameters	Results/Observations of parameters		Cost of		No.4		
		Treated	FP	% increased in yield over FP per ha	Cost of cultivation per ha	Gross income per ha	Net income per ha	B:C ratio
1	% Damage	5-6	10-15	-	1,54,000	11,000kg x Rs.30	1,76,000	2.14
2	Yield of the crop	11 tons	8.5 tons	22.23		1 54 111111	=3,30,000	1,70,000

Details of	Demonstr	ation
No. of Demonstration	Area (ha)	No. of farmers
03	0.125	03





Source: University

of Horticulture and

Forestry, Solan 2015

Title of OFT: Management of Diamond Back Moth and Cabbage Butterfly in Cabbage for Higher

Prioritised Problem- Severe Infestation with Diamomd Back Moth and Cabbage Butterfl affecting Cabbage Yield

Technology details:

Crop : Cabbage Variety: Rareball

Treatment 1: Spray of Neem Seed Kernal Extract 0.03% @ 5ml/ha at 10 days interval starting from 20 DAT for 4 times

Farmer Practice

0.03% @ 5ml/na at 10 days interval starting from 20 DA1 for 4 times







Details of Demonstration			
No. of Demonstration	Area (ha)	No. of farmers	
03	0.125	03	

		Results/Observations of parameters						
Sl. No	Parameters	Treated	FP	% increased in yield over FP per ha	Cost of cultivation per ha	Gross income per ha	Net income per ha	B:C ratio
1	% Damage	≥ 2%	8-12%	17.86	80000	27000 x Rs.10	190000	3.38
2	Yield of the crop	27tons	23tons	17.00	80000	=2,70,000	190000	3.36





Title of OFT- Performance evaluation of Papaya Var. RCTP1 (TripuraPapita)

Prioritised Problem- Low yield, Susceptible to PRSV (Papaya Ring Spot Virus), Small size fruit of local cultivars

Details of technology:

Tripura Papita

var. RCTP1

Spacing: $1.8 \times 1.8 \text{ m}$

Planting: May-June

Seed rate: 500 g/ha

Farmers practice

Papaya (local):

Days to maturity = 152.65 days

No. of fruits/plant = 16.56

Avg wt (g) = 0.78

ICAR Research Complex for NEH Region, Lembucherra, Tripura Centre, 2014

Team members

SMS – Agronomy, SMS-Plant Protection, SMS-Horticulture

	Parameters on Assessment	Results/ observation on selected parameters
	Days to Maturity	141.4
	No. of fruits /plant	25.6
	Av. Wt. of fruit (kg)	1.87
	Days to Maturity	141.4
1	No. of fruits /plant	25.6
	Farmers and consumers preference.	Farmers preferred variety RCTP1 over local variety owing to high yield and more no. of fruits of RCTP1











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Title of OFT- Performance evaluation of new variety of French Bean Var. MZFB 48

Prioritised Problem- Lack of awareness of availability of high yielding pigmented French bean varieties (specially released by known and reputed institution)

Details of technology:

Seed rate: 25-30 kg/ha

Spacing: 60-65 cm x 10-12 cm

Period: Sep- Feb







Team members

SMS – Agronomy, SMS-Plant Protection, SMS-Horticulture

Parameters on Assessment	Results/ observation on selected parameters
No. of pods/plant	75.6
Length of pods	23.4
Yield/ ha	4.16
BCR	2.54













Title of OFT- Performance evaluation of Onion variety Bhima Shakti

Prioritised Problem- Non availability of high yielding variety

Details of technology	•
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Seed rate: 3 kg/ha **Spacing:** 15x10 cm **Period:** Late Kharif

Directorate of Onion and Garlic Research, Pune 2011

Team members

SMS-Plant Protection & SMS-Horticulture

Parameters on Assessment	Results/ observation on selected parameters
Technology	Farmers practice (prema)

Bulb weight (g) = 78.35 Bulb weight = 73.45 g

Bulb Yield (t/ha) = 23.78 Bulb yield = 22.65 t/ha

Days to maturity = 127.29 (after transplanting)

B: C ratio : 2.42 B: C ratio = 2.38







Days to maturity = 122.3 days





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Title of OFT- Fish fingerling production through cage system

Prioritised Problem- Low survivability of fish seed in open pond

Details of technology

Cage size -12x6x5 ft

Fish seed – Tilapia

Stocking density – 2000 fry/cage

Feeding – Pallet (3% BW)

Rearing period -35 days

Parameters on Assessment	Fammer practice	Results/ observation
Survival (%)	47 %	72 %
Average growth (gm)	13.35 – 15.62 gm	18.18 - 22.50 gm







Source: CIFA, 2016

No. of Trials - 03

Team members

SMS, Fisheries







Title of OFT- Periphyton based fish farming

Prioritised Problem- Low fish growth in extensive culture system

Details of technology

Stocking density – 8000fingerling/ha Fish Species - IMC Feeding – MOC & RB + pallet (2:1) Culture period– 6 months

Source: CIFA, 2016

1 [4	PSIDI Venuo	ON FRANCES FISH FARMING	
		Pond Area Date of Sig	Yambem (mphai Ea 3000 lingarilings 0.10 he 27.08.2020	
		1		
	PF.			
4				



Parameters on Assessment

Survival (%)

Absolute growth (g)

Total yield (Kg/ha)

Net return (Rs./ha)



82 620.32 2189.71 3.2 lakhs

With Substrate

Results/ observation

Without Substrate

64

496.10

1714.44

2.52 lakhs

Team members

No. of Trials - 03

SMS, Fisheries



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Title of OFT- Monoculture of air breathing fish (Anabas)

Prioritised Problem- Low fish growth in extensive culture system

Details of technology:

Stocking density – 1000 fry/ha Fish Species – Anabas Feeding –Pallet feed (3% BW) Culture period– 4 months

Parameters on Assessment	Results/ observation
Survival (%)	62
Absolute growth (g)	89.4
Total yield (Kg/ha)	55.4 kg
Net return (Rs./ha)	22171
BC	2.1





Source: CIFA, 2016

No. of Trials - 03

Team members

SMS, Fisheries







Title of OFT- Paddy cum fish culture using silver barb

Prioritised Problem- Unaware of the importance of minor carps

Details of technology:

Stocking density – 10000 fry/ 0.25ha
Fish Species – Silver barb
Feeding –Pallet feed (3% BW)
Culture period– 5 months
Paddy var.-Local var. Drum

Danamatana an Aggagamant	Results/ observation		
Parameters on Assessment	Paddy monocrop	Paddy-fish	
Survival (%)	-	65	
Total yield of fish (kg/0.25)	-	108.30	
Yield of paddy (kg/0.25)	1860	1710	
Net return (Rs./0.25)	21200	39020	





Source: CIFA, 2018

No. of Trials - 02

Team members

SMS, Fisheries & SMS Agronomy





Title of OFT- Water reed cum fish culture using silver barb

Prioritised Problem- Unaware the importance of minor carps

Details of technology:

Stocking density – 20000 fry/0.25ha Fish Species – Silver barb Feeding –MOC + RB (3% BW) Culture period—6 months Water reed – 4200 plants

Parameters on Assessment	Results/ observation
Survival (%)	76
Total yield of fish (kg/0.25)	216.20
Yield of water reed (kg/0.25)	2865
Net return (Rs./0.25)	87523
BC	3.7







Source: Innovation

No. of Trials - 01

Team members

SMS, Fisheries











FRONT LINE DEMONSTRATION (FLDs)

Target: 17 numbers		SUMMARY OF FLD	Achievement: 17 numbers		
		Title of FLDs			
	Popularization of Jackfruit ch	ips as value added product			
	Popularization of portable veg	etable preservator for increasing shelf life of vegetables			
	Popularization of hermetic sto	rage system (grain pro's super bags) for maintaining qualit	cy of grains/seeds		
	Popularization of cabinet solar	dryer for drying of perishable, semi perishable and wet for	od materials		
	Popularization of Guava Chees	se as value added products and income generation			
	Popularization of Manually op	erated vegetable transplanter			
	Popularization of all the year	round Production of Mushroom Cultivation			
	Popularization of Integrated Pest Management in Rice				
	Popularization on Use of Phero	omone trap for the management of fruit fly in cucurbits			
	Popularisation of Tomato varie	ety Arka Rakshak and Arka Samrat for higher production a	and productivity		
	Popularization of Broccoli Va	r. Green Magic			
	Popularization of Culture of improv	red common carp (var. Amur carp)			
	Popularization of Monoculture of M	lonosex Tilapia			
	Popularization of Wheat Cultivation	for increasing cropping intensity			
	Popularization of Quality protein r	naize cultivation for higher yield			
	Popularization of Scientific Rearing of Cross Breed Pig for higher production				
	Popularization of Scientific Rearing of Backyard Goatary				
		Krishi Vigyan Kendra, Imphal East		H	
		Directorate of Extension Education			
		Central Agricultural University, Imphal, Manipur		भाकुंअन् ICA	



Sl. No.



Popularization of Jackfruit chips as Value added product

Source: ICAR, Barapani, 2012 (Process protocol for preparation of jackfruit chips.)

Technology details:

Cutting of fully matured, unripe jackfruit deseeded bulbs into longitudinal finger like pieces

- ■Blanched in hot water with 1% KMS for 5 minutes
- ■Dried in dryer @ 40-50° for 10-15 minutes
- ■Deep fry into oil till golden brown colour
- •Cool and sprinkled with required salt and chilli powder
- ■Packing in a tight material

Performance parameters/	Data on par relation to t demons	echnology	Remarks
indicators	Demo	Local	
Acceptability by Hedonic scale	Like a lot with a hedonic scale of 5	New Introduction	Product well accepted, needs to popularize through commercialization of
BC ratio	2.37		the product

Details	οf	Demonstration
Details	OI	Demonstration

No. of Demonstr ation	Units	No. of farmers
10	10	10















Popularisation of Portable Vegetable Preservator for increasing shelf life of vegetables

Source: CRIDA, Hyderabad, 2013

Technology details:

- 1. Fibre reinforce plastic comprising of two compartment with circular holes in the periphery
- 2. Kept offset by inch to accommodate pine grass mat dripped with water
- 3. The circular tank thus kept the basket temperature 8-10 °C less then the room temperature with 80-85% humidity

Data on parameters in relation to tech Performance demonstrated			Remarks
parameters/ indicators	Demo	Local (Normal without any preservator)	
Inside outside	Inside temperatue : 10° C winter	6°C winter	
temperature	Outside temperature : 16°C	16°C	
Extend of RH maitenance	RH: 81%	72%	The equipment has to be made
	Shelf life of brinjal: 8 days	4 days	available for more popularization.
Shelf life of vegetable in number of days	Cabbage: 6 days	3 days	
	Cauliflower: 6 days	3 days	
	Carrot: 8 days	5 days	

Details of Demonstration		
No. of	Units	No. of
Demonstration		farmers















Popularization of Hermetic Storage System (grain pro's super bags) for maintaining quality of grains/seeds

Source: Pest Control of India, 2015

Technol	ogy	details:
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EVOH (ethylene-venyl alcohol) incorporated as a barrier structure with a 7 to 9 layers structures packing and storing material

Details of Demonstration		
No. of Demonstration	Units	No. of farmers
10	10	10

		Remarks		
Demo (Hermatic Storage)		Demo (Hermatic Storage)	Local (Gunny Bag)	
	> I	Relative humidity: Before: 70-72 %, After: 80-85% Pest infestation: Before: No neidence till now and still ongoing Germination percentage: Result will be validated before sowing during <i>kharif</i> season.	70-72% 72-74% No incidence and still ongoing	Well accepted and implemented through Village Seed Bank and Individual Farmer's too.







No. of Demonstration No. of Demonstratio Units n No. of farmers



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Popularization of Cabinet Solar Dryer for drying of perishable, semi perishable and wet food materials

Source: College of Agriculture, CAU, 2014

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

Data on parameters in relation to techn	% Change	Ren	narks	
Demo	Local			
Chilli (2 days)	4 days in open condition	200	The techno	-
Amla, wood apple (2 days)	4 days	200	being well because or	-
Mushroom (1 day)	3 days	300	reduce dry	•
Fermented soybean (2 days)	3 days	150	with safe and hygienic characteristic	
Processed fruits – uniform and well dehydrated and refined product obtained	Non uniform products	-	properties	
and refined product obtained		Details o	f Demonst	ration
		No. of	Units	No. of
Fermented soybean – good and well	Unhygienic and uncertain	Demonstrati	ion	farmers
dehydrated and hygienic product free from flies, infestation and contamination obtained	products	03	03	45 from 3 SHGs









Popularization of Guava Cheese as value added product and income generation

Source: Horticulture Division, ICAR, Umiam, 2014

Technology details:

- 1.1 kg firm, ripe guava pulp cooked to a thick paste.
- 2. Addition of 1.25 to 1.5 kg sugar
- 3. Addition of citric acid @ 1.5gm and butter @ 56 gm
- 4. Hot cheese spread on tray and set to cool down and cut into desire shape

Details of Demonstration		
No. of Demonstration	Units	No. of farmers
05	05	05

Parameters on Assessment/Refined (Pl. mention)	Results on selected Parameters	% increase/ Change in parameters (Remark)
Technology / methodology	Technology / methodology	Product has been accepted well and liked because of the novelness .
1. Recovering %	125 recovered	Farmers and SHGs are giving the need for more trials and training on
2. Acceptability (Hedonic scale of 5)	Scale of 6 on the hedonic scale giving a well accepted product	the preparation process. The product is being popularised through process of branding and commercialization
3. B.C Ratio	1.84	
Farmer Practice		New Introduction and hence no such practice













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Popularization of Manually operated Vegetable Transplanter

Source: CIAE, Bhopal, 2017

Technology details:

- ✓ Crop- Tomato Var. Arka Rakshak
- ✓ Spacing: 60cm x 45 cm
- ✓ Depth: 3cm
- ✓ Working style- Upright position reducing drudgery
- ✓ Field capacity- 6000 seedlings/day (1500 plants/hr)
- ✓ Weight-2 kg,1 mt long,2" diameter





Details of Demonstration					
No. of Demonstration	Area (ha)	No. of farmers			
03	0.75	03			

Performance parameters/	Data on parame	ters in relation to	%	Remark
indicators	technology	demonstrated	Chang	
	Demo	Local	e	
1. Labour requirement	3 mandays/ha	12 mandays/ha	300%	Felt calf, thigh, back pain
2. Labour cost	 Rs.900/ha	Rs.3600/ha	300%	greatly reduced due to non
(transplanting)	Ks.700/11a	NS.3000/11a	30070	squarting position during
				transplanting.
				Veg, transplanter : Avg. heart
				rate during operation 76 BPM
3. Field Capacity	1500 plants/ha	480 plants/hr	462%	(Beat per min)
				Manual transplanter : Avg.
				hear rate during operation 87
				BPM (Beat per min)













Popularization of all the year round Production of Oyester Mushroom

Source: CAU, Pasighat, Arunachal Pradesh, 2010-11

Technology details:

- Chopped the paddy straw (2-3 inch length)
- Soak the chopped straw for 4-5 hrs
- Allow it to drain excess water till it reach 60% moisture level.
- ➤ Spawning with layer method (3-4 layers each 10-15cm straw) in polybags with 1cm diameter hole with10cm apart between each holes.
- Allow the spawn to run in dark for 7-10 days.
- After mycelium have fully impregnated, spray water 2-3 times during day time.
- ➤ Pin head developed will fully matured in 2-3 days.

Summer Variety: Pleurotus flabellatus, P. eous, P. Sajor Caju, P.

Sapidus

Winter variety: Pleurotus ostreatus/elm



Seasons	Parameters	Results/Observations of parameters			Cost of	Gross	Net Income	B:C ratio
		Treated Per 100 bags (Kg)	FP Per 100 bags (Kg)	% increased in yield over FP per ha	cultivation for 100 bags (Rs.)	income (Rs.)	(Rs.)	
Summer	Yield	185	150	18.92	6000	25900	19900	3.32
Winter	Yield	225	195	13.33	6000	31500	25500	4.25





Popularization of Integrated Pest Management in Rice

Source: IARI, 2013

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 of pheromone trap (Scripo Lure @ 10/ha) for monitoring yellow stem borer
- 4. Need based spray of imodacloprid @ 1ml/3lit of water against plant hoppers

Details of Demonstration			
No. of Demonstration	Area (ha)	No. of farmers	
6	1.5	6	











Sl.	Parameters	Results/O	bservations	of parameters	Net Return of Net Return of					B:C ratio	
No		Treated	FP	% increased in yield over FP per ha	treatment over FP in hectare	treatment over FP in hectare — Treatment cost	cost/ha (Traps + labour charges)	In relation to treatment cost			
1	% DH	3-5%	15-20%	-							
1	% WEH	2-3%	10-15%	<u>-</u>	34,000	28,000	7132	3.93			
2	Yield	6.0 ton	4.3 ton	28.33%							





Popularization of Use of Pheromone trap for Management of Fruit fly in Cucurbits

Source: IARI, 2013

Technology details:

Installation of Cue lure for monitoring and mass trapping of fruit fly to reduce male population

Details of Demonstration				
No. of Demonstration	Area (ha)	No. of farmers		
03	0.125	03		











		Results/Observations of parameters			Net Return of	Net Return of treatment	Treatment	B:C ratio
Sl. No	Parameters	Treated	FP	% increased in yield over FP per ha	treatment over FP in hectare	over FP in hectare – Treatment cost	cost/ha (Traps + labour charge)	In relation to treatment cost
1	No. of flies per trap	25-45	-	-				
2	%Infested fruits	< 2%	> 20 %	-	36,000	26,000	7,260	3.58
3	Unaffected fruit Yield per hectare	9.00 ton	7.80 ton	13.33%	23,000	23,000	.,200	2.50





Popularisation of Tomato variety Arka Rakshak and Arka Samrat for higher production and productivity

Source: IIHR, Bengaluru, 2010

Technology details:

Seed rate: 300-400g/ha

Spacing: 60 x 45 cm

FYM: 500 kg/ha

NPK:120:60:60 kg/ha

Period: Aug- Dec

	Performance parameters/ indicators	Data on parameters in Arka Rakshak	relation to technology Arka Samrat	Remark	
\prod	1. Days to germination	5.8	5.62	5.2	Arka Rakshak had firm fruits with
	2. Days to maturity	142	138.75	147	
	3. Fruits no/plant	98.5	121.36	64.62	thicker skin which prolongs the
[4. Avg yield in Kg/plant	6.73	8.54	4.55	shelf life easing transportation and
	5. B:C ratio	2.72	2.86	2.57	marketing of farmers/sellers





Details of Demonstration					
No. of Demonstration Area (ha)		No. of farmers			
03	0.75	03			









Krishi Vigyan Kendra, Imphal East
Directorate of Extension Education
Central Agricultural University, Imphal, Manipur



Popularization of Broccoli Var. Green Magic

Source: ICAR, Manipur centre, 2010

Technology details:

Seed rate: 300-400 g/ha

Spacing: 45 x 45 cm

FYM: 500 kg/ha

NPK: 50:25:25 kg/ha

Period: Oct- Jan

Performance parameters/	Data on parar	neters in relation	%	Remark
indicators	to technolog	y demonstrated	Change	
	Demo	Local		
1. Days to maturity	69.56	-		
2. Weight of Crown (g)	404.02	-		
3. Yield (q/ha)	273.46	-		
4. B.C ratio	3.12	-		





Details of Demonstration					
No. of Demonstration	Area (ha)	No. of farmers			
03	0.75	03			











Popularization of Culture of improved common carp (var. Amur carp)

Source – FRC, Bangalore, 2015

Technology details:

Fish species – Amur carp Stocking density: 4000 fingerling/ha Feeding – Pallet (3% BW) Culture duration – 6 months

Details of Demonstration				
No. of Demonstration Area (ha) No. of farmers				
03	0.75	3		



Survival %	Average growth (gm)
76	720

Gross Cost	Net Return	B:C Ratio
(Rs/0.25)/	(Rs/0.25)	(GR/GC)
150000	125000	1.8













Popularization of Monoculture of Monosex Tilapia

Source – CIFA, 2010

Technology details:

Fish species – Monosex Tilapia Stocking density: 30000 fry/0.25ha Feeding – Pallet (3% BW) Culture duration – 4 months

Details of Demonstration				
No. of Demonstration Area (ha) No. of farmers				
03	0.30	3		



Survival %	Average growth (gm)
82	166.4

Gross Cost (Rs/ha)/	Net Return (Rs/ha)	B:C Ratio
950000	985000	2.48













Popularization of Wheat Cultivation for increasing cropping intensity

Source – IARI, 2011

Technology details:

Variety: HD-2967 Salient Features

Double dwarf variety with an avg. plant height of 101cm,p rofuse tillering, grains are amber, medium bold, hard and lustrous. Moderately resistant to yellow rust ,less susceptible to Karnal bunt and loose smut diseases.

Potential yield- 52 qt/ha

Seed rate:80kg/ha

Fertilizer: 80:40:25 kg NPK/ha

Details of Demonstration				
No. of Demonstration Area (ha) No. of farme				
03	3.5	10		





Demons	stration Yield(Qt/Ha)	Yield of local Check	% increase/ change in avg. yield over local
Н	L	A	(Qt/ha)	%
32	13	21.5	Not grown	-

Gross Cost	Gross Return (Rs/ha)	Net Return	B:C Ratio
(Rs/ha)/		(Rs/ha)	(GR/GC)
30500	52875	22375	1.73











Popularization of Quality protein maize cultivation for higher yield

Source – Anand Agricultural University, Gujarat, 2011

Technology details:

Variety: HQPM-1

Salient Features: Yellow flint grain single cross hybrid with high

lysine and tryptophan than normal maize

Resistant to Maydis Leaf Blight and Common Rust, tolerance to

Frost/cold, borer and responsive to high fertility

Potential yield- 60-65 qt / ha/ha

Seed rate:20 kg/ha;Duration:88-90 days (medium maturing)

Spacing: 60cm x 20 cm (70,000-80,000 plants/ha)

Fertilizer:120: 80:60 kg NPK/ha

Demonstration Yield(Qt/Ha)		Yield of Local check(qt/ha)	% increase/ change in avg. yield over local	
Н	L	A	(Qt/ha)	%
67	42.5	52.4	38.5	36.1

Gross Cost	Gross Return	Net Return	B:C Ratio
(Rs/ha)/	(Rs/ha)	(Rs/ha)	(GR/GC)
83,000	3,24,000	2,41,000	3.90

Details of	Demonstration	

No. of Demonstration	Area (ha)	No. of farmers
03	4	12



















Popularization of Scientific Rearing of Cross Breed Pig for higher production

Source: NRC Pig, Guwahati, 2016

Technology details:

Backyard Piggery

Rani crossbreed

Deta	Details of Demonstration							
No. of Demonstration	No. of animals/ poultry birds	No. of farmers						
10	20 piglets 2 piglets/farmer (1M & 1F)	10						



Data on parameters in relation t	% Change	
Demo		
 Litter size: 10-12 piglets/ farrowing Body weight: 80-100kg/pig 	 6-7 piglets/farrowing 56-70 kg/pig 	1. 71% 2. 42.5%





Popularization of Scientific Rearing of Backyard Goatary

Source: NRC Goat, Guwahati, 2015

Technology details:

Backyard Goatary

Black bengal

_	11 0 5						
Deta	Details of Demonstration						
No. of	No. of animals/	No. of					
Demonstration	poultry birds	farmers					
72020	12 weaner goats	7					
	2 weaner						
	goat/farmer (1M &						
	1F)						





Data on parameters in relation t	9/ Changa	
Demo	% Change	
 Kidding potency: 2-3 kids/kidding Worm infestation: Low 	 1. 1 kid/kidding 2. High 	1. 200% 2





Achievements for CFLD PULSES (Area-11 ha; No. of Demo-22)

		A					`		/	
Crop Enterprise	Variety	Demon (Qt/Ha	stration `	Yield	Yield of local Check	% increase/ change in avg. yield over local	Gross Cost (Rs/ha) / (Rs./	Gross Return (Rs/ha) / (Rs./ unit)	Net Return (Rs/ha) / (Rs./	B:C Ratio (GR/G C)
		Н	L	A	Qt/ha)	%	unit)		Unit)	
Blackgram	PU-31 (6 ha)	8.95	4.2	7.87	5.86	34.3	22200	39350	17150	1.75
Greengram	IPM 2-3 (5 ha)	7.85	3.64	6.35	Not grown	-	24500	55650	31150	2.27



Performance of Blackgram Var. PU-31













Achievements for CFLD (PULSES)







Performance of Greengram Var. IPM 2-3













Achievements for CFLD OILSEEDS (Area-30 ha; No. of Demo-44)

Crop Enterprise	Variety	Dem	onstration (Qt/Ha)		Yield of local Check	% increase/ in avg. yield over local	Gross Cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha) /	B:C Ratio (GR/G C)
		H	L	A	Qt/ha)	%			(Rs./ Unit)	
Rapeseed	TS-38 (15 ha)	9.2	5.1	7.8	6.5	20	21230	35100	13870	1.65
Mustard	NRCHB- 101 (15 ha)	7.85	3.64	6.35	Not grown	-	24500	55650	31150	2.27



Performance of TS-38 and NRCHB-101











Achievements for CFLD OILSEEDS







Performance of TS-38 and NRCHB-101













Training Programme

Training Programmes

Total no of Training programme – 49 nos

l'o1	tal	В	en	efic	iary	y—]	110	U	nos

			\mathbf{F}	armers bene	efitted (No	os.)		
Category	No. of Training	SC/S	ST	Others		Total		Grand Total
	wg	M	F	M	F	M	F	
1/2 days Farmers and Farm Women	28	44	115	236	199	280	314	594
3 days Farmers and Farm Women	8	13	74	23	66	36	140	176
4 days Farmers and Farm Women	6	33	47	22	64	55	111	166
1/2 days Rural youth	4	5	17	48	14	53	31	84
3 days Rural youth	2	-	20	30	-	30	20	50
Extension Personnel	1	-	-	-	30	-	30	30
Total	49	95	273	359	373	454	646	1100

















Extension Activities

Extension Activities (KVK)

Extension		Activity		Beneficiaries			
Activity	Target (No.)	Achievement (Nos.)	% achievement	Target (Nos.)	Achievement (Nos.)	% achievement	
Field day	10	5	50.00	200	80	40.00	
Diagnostic visit	300	275	91.67	350	557	159.14	
Scientist visit to farmer's field	500	285	57.00	600	714	119.00	
Farmer visit to KVK farm	200	142	71.00	300	568	189.33	
Method demonstration	30	68	226.67	600	527	87.83	
Exhibition	5	3	60.00	250	122	48.80	
Group Discussion	20	16	80.00	400	322	80.50	
Exposure visit	6	02	33.33	120	40	33.33	
Advisory/helpline	1800	1427	79.28	1800	1775	98.61	
Lecture delivered	25	16	64.00	500	862	172.40	
Mass awareness	10	2	20.00	1000	221	22.10	
Farmer Scientist Interaction	20	11	55.00	600	220	36.67	
Agri Mobile Clinic	10	4	40.00	500	173	34.60	











Extension Activities (KVK)

Extension Activity		Activity			Beneficiarie	es
	Target (No.)	Achievement (Nos.)	% achievement	Target (Nos.)	Achievement (Nos.)	% achievement
Technology showcasing	6	9	150.00	300	391	130.33
TV Talk	5	6	120.00	-	-	
Popular article	10	5	50.00	-	-	
Newspaper coverage	10	16	160.00	-	-	
Soil Health Camp	15	5	33.33	100	125	125.00
Vaccination Camp	10	1	10.00		280	
Film Show	5	1	20.00	25	30	120.00
Rabi Campaign	5	2	40.00		221	





Extension Activities (KVK)

Extension Activity	No of Activity	No of Beneficiaries		
World Soil Day	1	25		
Swachhta Pakwada	On g	going		
Awareness Programme	18	395		
National Fish Farmer Day	1	20		
Kisan Mahila Diwas	3	140		
Pooshan Maah	1	60		
World Food Day	1	30		
World Environment Day	1	30		
Parthenium awareness Week	10	150		





















World Soil Day



National Fish Farmer Day

World Environmental Day

Poshan Maah

World Food Day

National Unity Day















DIAGNOSTIC/FIELD VISITS















SIGNIFICANT ACTIVITIES DURING PANDEMIC COVID 19

Sl.No.	Disciplines	No. of Advisories
A. A	Advisories	
1	Advisories on Crop	82 nos
2	Advisories on Mushroom crop	15 nos
3	Advisory on Fishery	61 nos
4	Advisories on Plant Protection	57 nos including 8 ITKs
5	Advisories on Horticulture Crops (6 nos)	76 nos
6	Advisories for Farm Women (13 nos)	43 nos
7	Advisories for Agricultural Engg. (10 nos)	17 nos
В. Г	Development of Best Farm Practice for comba	ting COVID 19
1.	Safe Seed Storage through Hermetic Bag	
2.	Processing of Mushroom produced by Mushroom Growers	
3.	Post Harvest Management of Chives	

















SIGNIFICANT ACTIVITIES DURING COVID 19 PANDEMIC

	C. For Farmers and Stakeholders	
1.	Dissemination of ICAR approved State Agricultural Advisory including awareness of COVID 19	545
2.	Information circulation related to COVID 19 hygienic practices.	545
3.	Awareness and installation of Aarogya Setu App	294
4.	Awareness programme on safety and precautionary measures to be taken up during lockdown	24 location
5.	Door to door delivery of inputs	36 houses
6.	Nutritional garden to be strengthened and developed for ensuring adequate vegetable supplies during lock down	42
7.	Sanitisation of public places, common centres etc.	Huikap, Andro Bazar Andro Club, KVK office
8.	Coordination with district administration for marketing of farm produce and linkage created with NERAMAC and RED Shopper	07 no.





















SIGNIFICANT ACTIVITIES DURING COVID 19 PANDEMIC

	D. Seeds and Inputs	distributed	1 Carry Street		16.	French Bean	5000 gm
1.	Paddy	CAU-R1: 1080 kg;			17.	Long Bean	1000 gm
2.	Tomato	CAU-R3: 80 kg 200 gm			18.	Ridge gourd	500 gm
3.	Papaya	100 gm			19.	Sponge gourd	250 gm
4.	Mushroom spawn	48 kg			20.	Coriander	2000 gm
5.	Neem Cake	60 kg			21.	Fish Medicine	2000 ml
6.	Hermetic storage bag	60 nos			21.	Tish Medicine	2000 mi
7.	Mustard Oil Cake	400 kg			22.	Urea	150 kg
8.	Maize HQPM-1	160 kg			23.	SSP	150 kg
9.	Fish fingerling	1500 nos	A CARE		24,	MOP	150 kg
10.	Water reed plant	6000 nos		NAME !	25.	Spinetoram	440 ml
11.	Cucumber	500 gm			26.	Emamactin Benzoate	440 gm
12.	Cabbage	50 gm		Action of the same of the same of	27.	Mushroom bagging	02 nos
13.	Paddy	140 kg			21.	Machine	02 HOS
14.	Ladies finger	100 gm			28.	Mikmor	120 kg
15.	King Chilli	500 nos			29.	Marinol	4 Litre

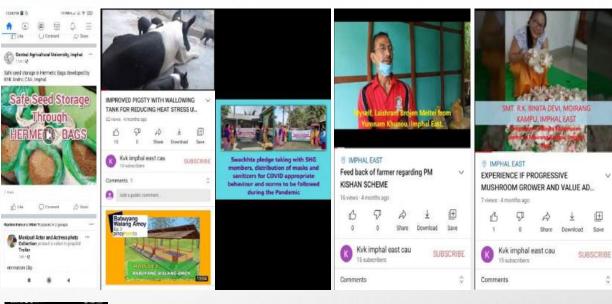


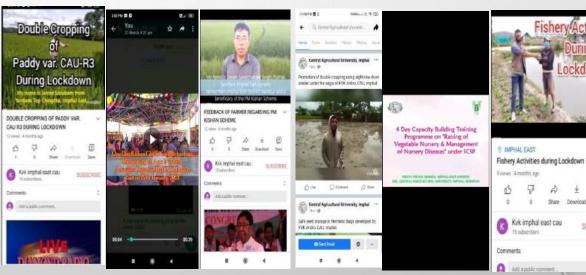


SIGNIFICANT ACTIVITIES DURING PANDEMIC COVID 19

E. One Minute Videos developed

- 1. Safe Seed Storage through Hermetic Bags
- 2. Double Cropping of Paddy var.CAU R3 during Lockdown
- 3. Fishery Activities during Lockdown
- 4. Experience of Progressive Mushroom Grower
- 5. Feedback of Farmer regarding PM Kishan Scheme Shri Th. Shyam Singh, Yumnam Khunou Makha Leikai, Imphal East
- 6. Feedback of Farmer regarding PM Kishan Scheme Shri O. Saratchandra Singh, Pukhao Makha Leikai, Imphal East
- 7. Observation of Swachhta Pakwada during 16th to 31st Dec, 2020
- 8. Kishan Gosthi cum Technology Showcasing in Agri & Allied Activities
- 9. 4 day Capacity Training Programme under SCSP
- 10. 13th SAC Meeting of KVK, Imphal East









SIGNIFICANT ACTIVITIES DURING COVID 19 PANDEMIC

Establishment of Model Fruit Village Village Name- Nungkot, Imphal East

Sl No	Items distributed	Quantity
1	Kachai Lemon Sapling	400 nos
2	Fertilizers	5 bags









Publications of KVK (2020)

Items	Title	Journal Name
Short Communication	Critical Limit of Zinc in relation to the growth of pea (<i>Pisum sativum L.</i>) in acid soil of Imphal West District, Manipur (India). H. S. Athokpam, L. Ralte, Nandini Chongtham & N. B. Singh	Indian Journal of Agricultural Research
	Diversification of low productive paddy areas through Water Reed cum Fish Integrated Farming -Manipur, India <i>M. A. Salam, Gunajit Oinam, H. Ramananda Singh</i>	Soil Conservation National e-Poster Olympiad on Soil, Biomes and Resilience to climate change.
Abstract	Low cost perennial water harvesting structure Jalkund for sustainable livelihood of the Nungbrang Village of Imphal East District, Manipur India Gunajit Oinam, M. A. Salam & Nongthambam Jotish	Souvenir cum Abstract E Book on International Web Conference on Resource Management and Biodiversity conservation to achieve sustainable development goals
	Effect of planting dates and newer insecticides on the incidence of major lepidopterous pests under <i>Kharif</i> rice ecosystem <i>K.I. Singh, Naveen Kumar, N. Sunita Devi, H. R. Singh, T. R. Singh and M.P. Singh</i>	J. Appl. Zool. Res
Research Paper	Effectiveness of Botanicals against <i>Lipaphis erysimi</i> (Kaltenbach) and their effect on <i>Apis Cerana</i> Himalaya & <i>Coccinella septumpunctata</i> population <i>K.I. Singh, N. Sunita Devi, H. R. Singh</i> , <i>T.R. Singh and M.P.Singh</i>	J. Appl. Zool. Res
	Microbial control of <i>Spilarctia oblique</i> Walker under sunflower-crop-ecosystem of Manipur <i>K.I.Singh</i> , <i>H.R. Singh</i> , <i>T.R.Singh</i> and <i>M.P.Singh</i>	J. Appl. Zool. Res





Publications of KVK (2020)

Items	Title	Journal Name		
0	Study on growth performance, production and return of Vietnamese koi (<i>Anabas testudineus</i>) for socio economic upliftment of rural youth in Manipur, India. M. A. Salam, Y. Bedajit, Surajkumar Irungbam, H. Ramananda & Gunajit Oinam	Journal of Experimental Biology and Agricultural Sciences (Accepted)		
Research Paper	Potentiality of Periphyton based Aquaculture Technology in Water reed (Schoenoplectus lactustris Linn) - fish Environment in Manipur, India M. A. Salam, Gunajit Oinam, H. Ramananda Singh, Y. Bedajit Singh Surajkumar Irungbam	International Journal of Current Microbiology and Applied Sciences (Accepted)		
	Perceived Constraints of Fish Farmers in Adoption of Scientific Fish Farming in Manipur M A Salam, Shah M Hussain, Gunajit Oinam and Biswajit Debnath	Journal of Krishi Vigyan		
	Problems Faced by Fish Farmers in Imphal East District of Manipur <i>M A Salam</i> , Shah M Hussain, Gunajit Oinam and Biswajit Debnath	Journal of Krishi Vigyan		





Production of Seed Materials

Item	Crop	Variety	Quantity produced (Qt)
	Rice	CAU-R3	14
Cereals		CAU-R1 (farmers field)	140
	Black gram	PU-31	10
Pulses	Garden Pea	Makhiyat Mubi	3.5
	Green gram	IPM 2-3	6

Production of Planting Materials

Item	Crop	Variety	Quantity produced (No)
Spices	Onion	Bhima Shakti	20000
	Cabbage	Rare Ball	1 lakh
		Arka Rakshak	20000
	Tomato	Arka Samrat	20000
Vegetables		Sultan	5000
	Brocolli	Green Magic	30000
	Cauliflower	White Excel	15000
	Bokchoy	-	1000

Bio Products Produced

ltem	Product Name	Species	Targ et (kg)	Quantity produced (kg)	Valu e (Rs.)	Qty supplied and No. of farmers
Vermi worm	Vermi worm	Eiseni a foetida	-	5.5	6450	5.5 kg supplied to 13 nos. of
Total				5.5	6450	farmers

Soil &d Water Testing/SHCs during 2020-21

Sl. No.	Samples tested/ Analysed	Samp le (No.)	Farmer beneficiari es	Village covered	Amount realised (Rs.)	SHCs issued to farmers (Nos.)
1.	Soil Sample		35			
2.	Water Sample		50			





Status of Mobile Advisory Upto March, 2021

Message		Crop	Live	estock	Wea	ther	Mark	keting	Awar	reness	Other Er	ıterprise	To	otal
type sent	No. of Messa ge	No. of Ben eficiary	No. of Messa ge		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 Messag e	No. of Benefi ciary
Voice only	-	874	-	351	-	217	-	166	-	164	-	713	-	2485
Total	-	874	-	351	-	217	-	166	-	164	-	713	-	2485

Revenue(R) generation by KVK from different sources upto March, 2021

gene	generation by ix vix from uniterent sources upto March, 2021							
	Sl. No.	Activity/ Enterprise	Revenue (Rs.)					
	1	Integrated Farming Components	42000.00					
	2	Crop Components	8500.00					
/-	3	Vermiworm	6450.00					
	4	Custom Hiring	17574.00					
	5	Interest	4547.00					
		TOTAL:	79071.00					

Opening balance – Rs. 244049/-



On-going projects & achievements

ACTIVITIES UNDER NBAIR

TRAININGS AND DEMONSTRATIONS OF INSECT PESTS AND DISEASE MANAGEMENT USING BIO-CONTROL AGENTS IN RICE UNDER NBAIR, BENGALURU

Sl no	Activities	No of Programme (nos)	No of Participants (nos)
1	3 days Training Programme	2	50
2	Field Day	1	10
3	Demonstration (at Yumnam Khunou and Nungbrang)	1	20

























ACTIVITIES UNDER NARI

NUTRI SENSITIVE AGRICULTURE RESOURSE AND INNOVATION (NARI)

SI no	Activities	No of Programme (nos)	No of Participants (nos)
1	Training Programme oon establishment of nutritional garden for national security	4	90 (72 FW & 18 Extension Functionaries)
2	Exhibition on Nutri Thali	1	35
3	Recipe Competition	1	35
4	Demonstration on Nutritional Garden (200 sq. m)	42	42 households
5.	Production of mushroom for enhanced nutrients intake	2 units	160 kg















ACTIVITIES UNDER PKVY

PARAMPARAGAT KRISHI VIKAS YOJANA (PKVY)

Sl no	Activities	No of Programme (nos)	No of Participants (nos)
1	Meetings conducted for formation of clusters at Imphal East district	4	45
2	Selected cluster for the programme at Yumnam Khunou and Nungbrang	2 nos. of clusters	20
3	Training Programmes	3	60
4	Field Day	1	15
5.	Organic certification process approved		20

First year demonstration on cropping sequence of Garden Pea (Makhyat mubi)- Paddy (CAU R1) completed



















ACTIVITIES UNDER KSHAMTA

Implementing Village: Nungkot Village

Sl No.	Activities	Beneficiaries (No.)
1	Creation of fruit village: 400 nos. of Kachai Lemon saplings are distributed and planted.	
2	Training Programmes:	
	4 days training programme on "Integrated Farming System and its value chain management for upliftment of rural economy" during $21^{st} - 23^{rd}$ January 2021	25
	3 days training programme on "Introduction of Rainbow Rooster for sustain farm income" during 23 rd -25 th January 2021.	25
3	Demonstrations	
	Demonstration on cultivation of HQPM maize at 3.25 ha.	13
	Demonstration on Backyard poultry of Rainbow Rooster. 600 birds were distributed	40
	Demonstration on low cost Vermicomposting techniques. 3 nos. of vermicomposting beds distributed.	3
	Demonstration of manually operated vegetable transplanter for reducing	40















ACTIVITIES UNDER SCSP

	TICITYTTED CTOER DODI					
Sl No.	Activities	Beneficiaries (No.)				
1.	4 days capacity building training programme on "Raising of Vegetable nursery and management of Nursery diseases" (23-26 th Mar 2021)	40 21 M; 19 F	CONTROL OF THE WORLD AND THE W			
2.	Exposure visit at Kwasiphai, Bishnupur District, the vegetable hub in Manipur on 25 th March, 2021	40	April (* Halla south Halla Constant Reador prises			
3.	Exposure visit of farm women and Self Help Group at State Level Exhibition Mai Own at Hapta Kangjeibung, Imphal on 19 th March, 2021	24	TARRING MPAT DISTRIBUTION OF the PAGE STATE OF T			
4.	Scientific cultivation of ginger variety Nadia and Turmeric variety Megha 1 (1 ha)	10	O service service			
5.	Cultivation of Maize variety HQPM 5 in an area of 10 ha at Andro	30				
6.	Inputs distributed: King Chilli seedlings – 400 nos. Brinjal seedlings – 400 nos. Cucumber- 200 g Tomato (Arka Rakshak/Samrat)- 300 g Coriander- 20 kg Ginger (Nadia) – 1 tonnes Turmeric (Megha 1) – 1 tonnes Maize – 200 kg	50				

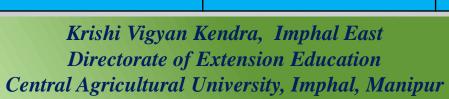




Name of the DFI village: Nungbrung; No. of Households: 356; Block: Keirao Bitra Location: Latitude: 94.10443°E, Longitude: 24.70040°N, Altitude: 790 MSL; No. of Population: 420

	Area (ha)		Average Income /ha/yr (Rs)	
A. Land Pattern:	Before intervention	After intervention	Before intervention	After intervention
Geographical Area Total Cultivable Area Cultivated Area	203 150 84	203 150 136		
B. Cropping Pattern:				
Paddy Monocrop	84	48	36,000.00	44,000.00
Monocrops paddy (seed production)	-	-		90,000.00
Paddy- Mustard	4	52	57,000.00	1,50,000.00
Paddy-Pea	5	15		
Paddy-Potato	2	7		
Paddy- Cole crops	1	6		
Fishery	0.25	4.5	75,000.00	2,80,000.00
Integrated farming/Jalhund (Fish + Piggery + duckery)	-	6	36000.00	102000.00
C. Livestock: 1. Pig 2. Cattle 3. Poultry 4. Duckery	17 23 02 04	39 41 23 19	39000.00 30000.00 47000.00 35000.00	45000.00 35000.00 72000.00 42000.00
D. Non Farm activities			100000.00	100000.00
Krishi Vigyan Kendra, Imphal East				







FEEDBACK OF FARMERS

FARMERS' PERCEPTION ON NEW VARIETIES AND TECHNOLOGIES (POINT-WISE)

- i. Farmers have shown satisfaction with the interventions taken up by the KVKs in respect of trainings, demonstrations and overall extension activities, which are being rendered to them as and when required
- ii. However, in some of the demonstrations provision of only critical inputs by the KVK is perceived as "incomplete"
- iii. Support of whole package in any demonstration is being demanded

IMPORTANT PROBLEMS AND RESEARCHABLE ISSUES (POINT-WISE)

- i. Unavailability of quality seeds on time
- ii. Inaccessibility of internet facility
- iii. Inability to conduct demonstration under Agricultural Engineering due to high cost of machineries
- iv. Lack of laboratory facility for Home Science hindering taking up vocational training programmes
- v. Lack of proper storage/godwon facility
- vi. Lack of Threshing ground
- vii. Lack of well develop garage for farm machineries
- viii. Lack of well equipped Conference/Training /Exhibition hall
- ix. Needs research and development of Short duration high yielding varieties specially for *rabi* Oilseeds and Pulses as agriculture in the region is totally *rainfed*
- x. Moisture Stress tolerant Crops/varieties should be developed/identified









