

# Interaction of Innovative Farmer with PM of India



Interaction of Hon'ble PM of India Shri Narendra Modi Ji with Shri Ph. Thoiba Singh, a beneficiary of KVK Thoubal at NIC Hall, Thoubal District as a part of Mass Awareness Campaign for Large Scale Dissemination of Climate Resilient Technologies and Method on 28<sup>th</sup> September 2021



#### Highlight of KVK Mandated Activities

Activities		No.
On Farm Trial (OFT)	-	9
Frontline Demonstration (FLD)	-1/	74
Training	0-1	78
Method Demonstration	Y	23
Popular articles	Ł	134
Publication	-	10
Newspaper Coverage	-	11
Sponsored programs	-	9
Radio Talk	+	5
TV Talk	-	8
Lecture delivered		20

# Message From the Desk of Director

It is a matter of great pleasure for me to know that Krishi Vigyan Kendra Thoubal is releasing its 4<sup>th</sup> Issue of Newsletter. I am confident that this Newsletter will highlight the mandatory activities of KVK carried out during the period w.e.f April 2021 to March 2022 pertaining to transfer of technologies to the farmers, extension functionaries, Rural youths,



SHGs and stakeholders of the district thus paving the way for successful convergence in the process of agricultural development in the district.

I congratulate Sr. Scientist & Head KVK Thoubal and her staffs who have directly or indirectly contributed their support in bringing out this Newsletter which include sweeping information and recent developments in farming system and wish them all success with similar spirit in the Nears to come.

(N. Gojendro) Director Agriculture Manipur

#### Message from the Sr. Scientist & Head

It is my pleasure and privilege to present this 4th Issue of Newsletter of this Institute. This Issue highlights the achievements made by this Centre within the framework of mandated activities of KVK during the period w.e.f April 2021 to March 2022 including sponsored programs in addition to carrying out all the approved annual action plans, more



remarkably, I would like to put on record the achievement made by this Institute in promoting four FPOs in the District under the aegis of NABARD by functioning as Producer Organization Promoting Institute (POPI).

Inspite of many limitations and constraints coupled with Pandemic Covid-19, all the above achievements were made possible with kind support of ICAR ATARI, Zone-VII, Barapani, Meghalaya and more importantly the Host Institute.

I express my sincere gratitude to the Editorial Team, line departments and farming communities of the district in particular for their constant support in bringing out this volume of Newsletter in the present modest, comprehensive and informative form.

Finally, I would appreciate if there could be any suggestions and advice from the readers for further improvement of this Newsletter in future.

J. Zestmanen (Dr. S. Zeshmarani) Sr. Scientist & Head, KVK Thoubal KVK Thoubal Newsletter

# ON FARM TRIALS (OFTs)

		S Demo	Source of	Remark (B:C Ratio)		
	Title of OFT	No. of trials	technology	2.24 (Rice pulse cropping system		
SI.		6	RARS, Shillongani,	2.24 (Rice puise cropping c) can be taken up)		
NO.	Performance evaluation on Rice	0	AAU 2015			
1	based cropping system	5	AAU Jorhat, 2015	2.37 (IWM reduces weed population and cost of weeding)		
2,	Integrated Weed Management in	3	ICAR-IARI, Pusa,	3.85 (Best planting time is second week of Nov.)		
3	Yield Performance in different Plant	3	New Delhi- 2015	2.41 (Bio-pesticides can be recommended for management)		
4.	Organic management of painted bug, aphid and sawfly in mustard		Tadong, Sikkim 2014 IIPR, Kanpur, 2018	2.41 (Bio-fortified varieties can be		
_	Performance Evaluation of Lentil	3	IPR, Nailpar, 20	introduce)		
5	101 220	5	CoF, CAU,	2.25 (Breeding can be done without sacrificing brooders)		
6	Seed production of walking cat IISI (Clarias magur) using BRICS (Barri- Clarias magur) Line Catfish for Voluntary		Lembucherra, 2020			
	Ceptive Spawning) method	-	ICAR CIFA	2.83 (Quality seed availability		
7	Seed production of Climbing perch (Anabas testudineus)	5	Bhubaneswar, 2016	increases through breeding)		
	Preparation of Guava Cheese	5	Horticulture Division ICAR,	2.5 (Guava cheese –an option for minimizing the lost during peak		
8	Preparation of Guava Citeren		Division ICAR, Barapani, 2014	season)		
	Introduction to year round nutri rich	5	ATARI, Jabalpur	Nutrient requirement for a family of 5-7 members can be obtained from		
9	Introduction to year round meter crops in NARI village during covid pandemic		2019	200 sqm area of Nutri garden.		



December 2021

Performance of biofortified Leniii Var. IPL-220



Seed production of walking catfish using BRICS method

# FRONTLINE DEMONSTRATIONS (FLDs)



Popularisation of ICM in Rice



Popularisation of Potato var. Kufri Kanchan



**Ropularisation of Roselle Jam** production

SI. No.	Title	No. of Demon- stration	% increase	Remark (B:C Ratio)	
1	Integrated Crop Management in rice	5	18.20	1.7	
2	Foliar Nutrition of lentil Var. IPL 316	10	12.6	2.45	
3	Popularization of potato Var. Kufri Kanchan	5	5.6	1.38	
4	Popularization of Oyster mushroom Var. Elm ( <i>Hypsizygous ulmarius</i> )	5	31.25	3.82	
5	Popularization of mustard Var. NRCHB-101 under Zero Tillage Condition	6	10.63	2.03	
6	Popularization of Fish based integrated farming system	10	52.10	2.58	
7	Popularization of Silver <u>Puntius</u> gonionotus) in feed based seasonal carp polyculture pond system	10	32.98	2.8	
8	Popularization of Roselle Jam	10	25	2.1	
9	Popularization of chow chow bori	10	20	2.2	
10	Economic utilisation of value added products of Water melon rind	3	100	2.5	

### **KVK Thoubal Newsletter**

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Target Group	No. of Mode of train- Training		Spon- sored	Voca- tional	No. of beneficiaries			
	ing	Virtu- al	On/off campus			Male	Female	Total
Practicing farmer	35	12	23	1	2	625	492	1117
Rural Youth	27	9	18	3	2	451	323	774
Extension Functionaries	8	-	8	-	-	115	67	182
Total	70	21	49	4	4	1191	882	2073

Total of 78 nos. of training were conducted, 4 training programs were sponsored by MANAGE, Hyderabad; DEE, CAU, Imphal; MSPE,

CAU, Imphal; NIAM, Jaipur through MSFAC; and NBPGR, New Delhi.



Virtual training on Breeding & Seed Production of climbing perci



Sponsored by NBPGR, New Delhi

#### **SUUSTER FRONT LINE DEMONSTRATION PROGRAMME**

TRAINING PROGRAMME



Field Day for CFLD Mustard



Crop	Variety	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase/ change in avg. yield	B:C Ratio
		Н	L	A	(Qt/ha)	over local	
Blackgram	PU-31	9.5	5.9	8.5	7.2	18.06	2.47
Lentil	IPL-316	11.0	7.2	9.8	9.25	5.95	1.85
Mustard	NRCHB-101	11.2	7.5	9.7	8.4	15.48	1.94
Soyabean	VL SOYA-63	13.20	9.0	11.50	9.2	25.00	1.79

Demonstration field of Mustard at Ingourok

The programme CFLD was initiated by Ministry of Agriculture and Farmer's welfare, Government of India New Delhi on Oilseeds under National Mission on Oilseed and Oil Palm (NMOOP). During 2021-22, KVK Thoubal conducted CFLD on Soybean var. VL-Soya 63 (20ha) and Mustard var. NRCHB-101 (20ha) covering a total of 78 beneficiaries across 9 villages of the district.



INDWLEDGE SYSTEM AND HOMESIC

Distribution of inputs to beneficiaries KSHAMTA is implemented at Heinganglok village

of Thoubal district covering 15 nos. of farm family with demonstration on (i). Establishment of nutrition gardening and (ii). Backyard poultry farming. Earned an income of Rs. 8520.00 from horticultural crops, Rs. 3750.00 from meat and Rs. 17500.00 from eggs could be earned during the year.

#### UTRI-SENSITIVE AGRICULTUR RESOURCE INNOVATION (NAR



NARI model at KVK, Thoubal

NARI has been continuing in two villages viz., Lourembam & Ingourok covering 15 nos. of household base on their dietary requirement through cultivation of different vegetables and bio-fortified crops along with value addition of the produces to meet seasonal scarcity and micro nutrient deficiency of the household. From an area of 200sqm NARI garden, Roots and tubers erop (77.50 kg), Leafy and other vegetables (202 kg), pulses (20kg), diversified crops (10.50 kg) and fruits (30 kg) were obtained for nutrient supplement of 5-7 familymembers in a rotational manner throughout the year. Kirk Thousant Reconstantion

SEED HUB



Cauchyra pristaning 21, 321, 33, 35 quantals respectively

# ION IN COLLABORATION WITH ICID

Will an objective for inclusive grantimusicant culturation has been shown up in an area of 45 ha at 52 millions way inspiration Tongtok Seinna. Hijan Konnon Ukongang Lourentiam Tentia Tentia Rimnon Tiontia Nenguaria Schelungia Istit Berg and Lannether unter the sponsorship of CIC Frundstinn



# E & ELP PROGRAMME



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#### RESEARCH PAPER

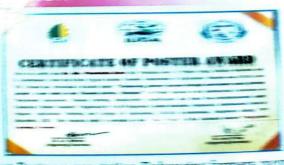
- 1. R. K. Lenhusana... I Prathatan Devi., and I. Jamuna Dent. (2020) : Processing Definitique Afferta Sheff life and Sensorial Quality of Fair Pickle, Suckey, of Ritastic Vigun. Jan-June 2121, Will & Issue 2. p 183-171
- 1. Setiudya W. Zenimanani S. Prahin S. and Premiara Riv (212) : Seet production of Walking Catisis Cartus Wagur using BRCS method: an employancy study in Tinunal disserver. Manipur, Conference paper on T. on interpreter Agriculture Natural farming, Badiversity conservation



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### Issue IV; January - December 2021

### **KVK Thoubal Newsletter**

# EXTERNAL FUNDING PROJECTS

#### Oil Palm emerged in Manipur as 22nd State in the Oil Palm Map of India under NMEO-OP

Scientists and dignitaries of GOI inspecting Oil Palm Nursery and Adaptive trials at KVK Thoubal under Department of Agriculture Manipur



#### FPOs and Farmer Club



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9 nos. of Farmer clubs totaling to 69 nos. of FC under KVK have been formed, out of which 10 were sponsored by NABARD Imphal. 4 Farmers Producer Organisation were registered with KVK, Thoubal as POPI under the aegis of NABARD Imphal.

1. Khana Chaoba Farmer Producer Company Ltd

- 2. Loumigi Thouna Farmer Producer Company Ltd
- 3. Nongpok Nongthou Farmer Producer Company Ltd
- 4. Kaoren Phaba Farmer Producer Company Ltd

### Adoption & Promotion on Seed Production of Air Breathing Fishes Clarius magur (Ngakra) & Anabas testudineus (Ukabi) sponsored by NABARD, Imphal

No. of village covered : 6 (Tentha, Hijam Khunou, Lourembam, Hiyanglam, Komnao, Thongjao) Total No. of Beneficiary : 18. Breeding and seed production of air breathing fishes can be taken up to generate huge income for improving the Socio-economic status of farmers of the district.



# **VISIT OF DIGNITARIES**

- 1. Kh.Lalmani Singh, Director Agriculture, Manipur visited in relation to Functioning of KVK farm activities on 25-06-2021
- Dr.AK.Singha, Principal Scientist, i/c Director ICAR-ATARI Zone-VII Visited KVK Campus on 30-08-2021
- Shri I.Meghachandra Singh ,Joint Director ICAR ,Tudinang Pammei Addl. Director Agriculture,Manipur ,Dr.Th.Robindro Singh Deputy Director,CAU ,Kh.Ngamreishang Breeder RRS on 4-09-2021 for inspection of Oil Palm



Dr. Anupam Mishra, VC CAU, Imphal with team of GOI & State officials visiting KVK Thoubal

 Th.Radheshyam Singh Hon/ble MLA Heirok Assessmbly Constituency, Prof.Ph.Ranjit Sharma Director of Extension Education CAU, Imphal Shri Polem Lenin Singh, AC to DC Thoubal, Todinang Pammei Add.Director, Agriculture Manipur for Climate Hient Agriculture programme on 28-09-2021



Shri AK. Singha, Principal Scientist, i/c Director ICAR-ATARI Zone-VII inspecting Bokashi Piggery system

N.Gojendro Director Agriculture, Manipur Visited KVK Campus in tation to functioning of KVK farm activities on 9-11-2021

- 6. A.Subhash Singh DC/Thoubal visited KVK for Rabi Campaign on 12-11-
- Dr.Anupam Mishra, VC, CAU Imphal, B.K Srivastava Deputy Commissioner Dept. Of Agriculture & Farmers Welfare Krishi Bhawan, New Delhi and Shri M.Joy Singh, Commissioner Agriculture, visited KVK Campus on 19.02.2022 5

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# **KVK Thoubal Newsletter**

# **EXTENSION ACTIVITIES**



Method Demonstration on bagging of Banana





DD

Participation in Farmers Mela



Radio Talk



Method Demonstration on preservation of Mango





**Diagnostic Visits** 



Scientist Visit to Farmers Field



Farmers Visit to KVK



Virtual Annual Zonal Action Plan Workshop 2022



MERA GAON MERA GAURAV







SWACHHTA ACTIVITIES

### **LECTURE DELIVERED AS RESOURCE PERSON**

Name and designation of resource person	Lecture delivered on	Date
Dr. S. Zeshmarani, Senior Scientist & Head	Enhancing income through rearing of Livestock and Poultry for the second batch of the 45 days Residential Agri-Clinics and Agri-Business Centr org. By Green Biotech Ecosolutions Pvt. Ltd., Lamsang Laingamkhul Spinning mill road	7-04-2021
	Resource person on Capacity Building of Manipur Fish farmers & Mobile Aqua Clinic Activity Sponsored by NABARD & Green Biotech Eco Solutions Pvt. Ltd and Aqua One Centre,Imphal West	6-12-2021
Sribidya Waikhom, SMS (Fisheries)	Fish Farming organised by ATMA Thoubal	11-10-2021
	Pre and Post stocking management of fish father in ized KVK IE	29-12-2021
S. Prabin Singh PA (Agriculture Extension)	Problem faced by the farmers on availing the Lorentz DM-KISAN scheme in Thoubal & Kakching district organised by District Lorentz Service Authority, Thoubal & Manipur State Legal Service Authority.	30-09-2021
N. Tomba Singh	Seed production of rice Organized by NCUI Thoubal branch	2-03-2021
SMS (Agronomy)	Weed Management in rice cultivation Organized By DAO, Bishnupur	16-03-2021
	Scientific cultivation of Pre Kharif rice Organized by DAO, Bishnupur	19-03-2021
	Oilseed, maize & Oil palm development Organized By DAO, Bishnupur district	7-12 Sep., 2021

# **KVK Thoubal Newsletter**

# Issue IV; January - December 2021 DAND PLANTING MATERIALS PRODUCED DURING

Item	Crop	Varioty	Quantity produced (q/nos)	Qty Supplied/ Provided to (No. of farmers)	
11221		Tampha phou	176.8		
-		Akut phou	1.64		
		Sana phou	10		
		Gin phou	5.7		
		RC Maniphou-7	17.1	2186	
Cereals	Rice	RC Maniphou-13	97.8	farmers	
		Chakhao	2.46		
		Pari phou	2.8		
Fruits		RC Maniphou-12	17.45		
	Passion Fruit	Kaveri African Red papaya	50 200	26	
-	Papaya Onion	Prema Arka Meghna	20000 20000	42	
Spices	Chili	Green hero	5550	12	
	Cabbage	White flash/ Candid charm	4650	12	
	Cauliflower		1300	25	
Vege- tables	Broccoli	Green magic Arka Rakshak, Arka Abhed	2700	25	
	Tomato	Charles a standard and		60	
	Brinjal	Local- Serpentine type	2500		
	Pumpkin	Big gold	1300	10	
	Bottle guard	BSS-333 pratik	400	10	

# PM'S PROGRAM THROUGH VIRTUAL MODE

- 1. Webcasting of Live Inaugural session of National Horticulture Fair, 2021.
- Celebration of International Women's Day 2021.
- Webcast Climate resilient Agriculture PM 2. 3. interaction with Farmers
- Farmers Outreach program on Natural farming.





Deben Sinah Shri A.K. is progressive farmer. He practices Integrated Farming System comprising of dairy, poultry, duckery, fishery, apiary, vermi-composting, vegetable crops, rice, maize and mustard in his 1.5 ha land. He also grows black turmane sweet corn. earned an Ginger, turmeric etc and annual income of Rs. 6,30 - 04. He is an

innovator of furrow making tools which can be fitted into tractor and power tiller. Acknowledging his performance, he was awarded first position in district rice crop cultivation and also conferred with Innovative Farmer Award 2022 on the occasion of Regional Agriculture Fair held at AAU, Jorhat.



#### PARTICIPATORY RICE SEED PRODUCTION

meet To Increasing the demand for quality rice seed, participatory rice seed production have been continuing with farmers



and certified by certification Agency Dept. of Agri. producing 251 quintals of certified seed during the year 2021 & supplied to Dept. of Agriculture, Manipur.

#### CELEBRATION OF IMPORTANT DAYS THROUGH ONLINE

- 1. Celebration of World Honey Bee Day on 20th May 2021
- 2. Celebration of World Milk Day on 1st June 2021
- 3. Observation on National Fish Farmers' Day on 7th July 2021
- 4. Celebration of World Breast feeding week on 1st-7th August 2021



#### SUCCESS STORIES

Mrs. Ksh. Radhamani Devi. age 45 yrs from Kakching khunuda ching is a progressive farmer and entrepreneur. She produces different value added products of dehydrated fruits and candy. Her products are branded as SHRE SHRE FOODS with proper packaging and labelling with fssai registration no. 2162001500036. She could earned an gross income of Rs.4,60,280 and net income of



Rs. 1.53.424 with B.C. ratio of 1.5. Now she is successfully running her enterprises by giving job opportunity to youths of her locality.

Doubling of Farmers' income is a target set by Govt. of India in Feb. 2016 to be achieved by 2022. Under KVK Thoubal a total of 145 farmers success stories from adopted village have been documented.



### Staff Position:-

Dr. S. Zeshmarani N. Tomba Singh Kh. Premlata Devi R.K. Lembisana Devi ---Sribidya Waikhom Dr. Chuwang Hijam L. Boris Singh L. Babita Devi Dr. W. Jiten Singh S. Prabin Singh O. Shilhenba Singh M. Geeta Devi M. Hemanta Singh Th. Tiken Singh E. Dhabali Singh Mangminthang Zou

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- Senior Scientist & Head
- SMS (Agronomy) SMS (Horticulture)
- SMS (Home Sc.)
- SMS (Fisheries)
- SMS (PBG)
- SMS (PP)
- Programme Assistant (Computer)
- Farm Manager
- Programme Assistant (Agri. Extension)
- Assistant
- Jr. Steno cum Computer Operator
- Driver cum Mechanic
- Driver cum Mechanic
- Peon cum Chowkidar
- Peon cum Chowkidar

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