

Indian Council of Agricultural Research
Agricultural Technology Research Institute, Zone-III
Umiam, Meghalaya

Format for Annual Action Plan Formulation of KVKs, Zone-III for 2021-22

Name of the KVK/District: KVK, Thoubal State: Manipur

Host Organization: Department of Agriculture, Manipur

Sl. No.	Name	Gender (M/F)	Category (General/OBC/SC/ST)	Designation	Discipline	Mobile
1.	Dr. S. Zeshmarani	F	Gen	Senior Scientist & Head	Animal Science	8415902143
2.	Kh. Premlata Devi	F	SC	Subject Matter Specialist	Horticulture	8729868615
3.	N. Tomba Singh	M	Gen	Subject Matter Specialist	Agronomy	7005432585
4.	R.K. Lembisana Devi	F	Gen	Subject Matter Specialist	Home Science	9862120799
5.	Sribidya Waikhom	F	OBC	Subject Matter Specialist	Fisheries	9612773367
6.	L. Babita Devi	F	Gen	Programme Assistant	Computer Science	9615156223
7.	Dr.W. Jiten Singh	M	OBC	Farm Manager	Agronomy	8787886023
8.	O.Shilhenba Singh	M	Gen	Assistant	Commerce	9862638170

9.	S.Prabin Singh	M	OBC	Program Assistant	Agriculture Extension	7005367546
10	M. Geeta Devi	F	Gen	Steno/Computer Operator		9856686887
11.	M. Hemanta Singh	M	Gen	Driver cum Mechanic		9863034574
12.	Th.Tiken Singh	M	OBC	Driver cum Mechanic		9612017230
13.	S. Dhabali Singh	M	Gen	Peon cum Chowkidar		9862985680
14.	MangminthangZou	M	ST	Peon cum Chowkidar		8787611192
	Total	14				

** SMS(PBG& PP) retired in the month of Nov.,2020 & Feb. 2021, Two post of SMS is vacant

Discipline: Agronomy

Name of the concerned Subject Matter Specialist :. N.Tomba Singh **Mobile No:** 7005432585

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Mandated activities	Thematic Area	Name of Technology Assessed/ Refined (in Specific)	Source and Year of release	Assess/R efine	Are a (in ha.)	Locatio n	Period and Duration	Number of beneficiaries/ trials						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Varietal evaluation	Evaluation of Chickpea Var. Pusa Chickpea- 10216 in rice base cropping system	IPR,Kanpur ,2018	A	1.25	Wangjin g, Nongpo kSekmai , Kakmay ai, HijamKh unou, Khongjo m	Nov,2021 - March,2022	-	-	-	5	-	5	5
	Seed Production													
	Integrated Weed Management	Integrated Weed Mgmt. In Lentil Var.HUL-57	AAU,Jorhat ,2015	A	1.25	Wangjin g, Tenth a, Nongpo kSekmai , Heirok , Ingouro k	Nov,2021 - March,2022	-	-	-	4	1	5	5
	Integrated Nutrient Management													

	Integrated Water Management													
	Tillage Management/ Farm Machinery													
	Integrated Farming System/ Integrated Crop Management													
	Others (Pl. specify)													
Mandated activities	Thematic Area	Name of Technology demonstrated	Source and Year of release	Crop/cropping system	Area (in ha.)	Location	Period and Duration	Number of beneficiaries/demon.						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
Front Line Demonstration	Varietal evaluation													
	Seed Production													
	Integrated Weed Management													
	Integrated Nutrient Management	Foliar Nutrition of lentil Var. HUL-57	RARS Shillongani ,2015	Lentil	2.5	Tentha, Thawai, HijamKhunou, Lourembam, Tekcham	Nov,2021-March,2022				10	-	10	10
	Integrated Water Management													
Tillage Management/ Farm Machinery														
Integrated Farming System/ Integrated Crop Management	ICM in Rice Var.CAU-R1	ICAR NEH Region,2010	Rice	2.5	Langathel, Thoubal	July 2021				10	-	10	10	

						Okram, Nongpo kSekmai , Athokp am, Charang pat								
	Others (Pl. specify)													

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries						Remarks	
							SC/ST			General				Grand Total
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	Kharif pulses cultivation	1	April	1	Off	5	-	5	10	-	10	15	
		SRI	1	May	1	Off				10	5	15	15	
		Nutrient management in rice cultivation	1	June	1	Off				15	-	15	15	
	Rural Youth	Green Manuring & its importance in Organic farming	1	July	1	On				10	5	15	15	
		Cultivation of rice for seed production	1	July	1	On				15	-	15	15	
		Seed production	1	Aug	7	Off				10	5	20	15	
	Extension Personnel	Recent advances in cultivation of field crops	1	Nov	3	Off	-	-	-	12	3	15	15	

	Civil Society													
	NGO (including school drop outs)													
	Others (Pl. specify)													
Vocational training programmes	Farmer and Farm women													
	Rural Youth	Seed production	1	Aug	7	Off				10	5	15	15	
	Extension Personnel													
	Civil Society													
	NGO(including school drop outs)													
	Others (Pl. specify)													
Sponsored training programmes														Sponsoring agency
	Farmer and Farm women	Zero tillage mustard cultivation	1	Oct	1	On	-	-		10	5	15	15	Dept. of Agriculture, Manipur
	Rural Youth													
	Extension Personnel	Rabi pulses cultivation	1	Nov	1	On	-	-	-	12	3	15	15	Dept. of

Discipline: Horticulture

Name of the concerned Subject Matter Specialist :...Kh.Premlata Devi..... Mobile No: 8729868615

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Mandated activities	Thematic Area	Name of Technology	Source and Year of release	Assess/Refine	Area (in ha.)	Location	Period and Duration	Number of beneficiaries/ trials						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Varietal evaluation	Performance of planting time in Onion Var. Pusa Riddhi	ICAR-IARI-2015	A	0.75	Langat hel, Lorembam, Wangjing, Tekcham	Oct2021 - Feb,2022	-	-		4	1	5	5
	Integrated Nutrient Management													
	Integrated Weed Management													
	Orchard Rejuvenation													
	Post Harvest Processing/ Value Addition													
	Canopy mgmt.													
	Landscaping													
	Mechanization													

	Any other (Pl. Specify)																
Mandate d activities	Thematic Area	Name of technology	Source and Year of releas e	Crop/ cropping system	Area (in ha.)	Locati on	Period and Duration	Number of beneficiaries/ demon.									
								SC/ST			General			Grand Total			
								M	F	Tot al	M	F	Tot al				
Front Line Demonstration	Varietal evaluation																
	Integrated Nutrient Management																
	Integrated Weed Management																
	Orchard Rejuvenation																
	Post Harvest Processing/ Value Addition																
	Canopy mgmt.																
	Landscaping																
	Mechanization																
	Any other (Pl. Specify)																

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries						Remarks	
							SC/ST			General				Grand Total
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	Off season vegetable production	1	Sep	1	On	5	-	5	7	3	10	15	
		Nursery management	1	Oct	1	Off				10	5	15	15	
		INM in vegetable crop	1	Nov	1	Off	-	-	-	10	5	15	15	
	Rural Youth	Off season vegetable production under green house	1	Dec	5days	On	5	-	5	8	2	10	15	
		Nursery management with seed treatment	1	Nov	5days	On	-	5	5	8	2	15	15	
	Extension Personnel	Production technology of exotic vegetable crops	2	Dec	1	Off On	5	-	5	15	10	25	30	
	Civil Society													
	NGO(including school drop-outs)													
	Others (Pl. specify)													

Vocational training programmes	Farmer and Farm women	Grading and standardization of horticultural crops	1	Dec	1	Off	-	5	5	8	2	10	15	
	Rural Youth													
	Extension Personnel													
	Civil Society													
	NGO(including school drop-outs)													
	Others (Pl. specify)													
Sponsored training programmes														Sponsoring agency
	Farmer and Farm women													
	Rural Youth	Vermi compost preparation technology	1	May	1	On	5	-	5	10	-	10	15	Dept. of Horti& Soil Conservation, Manipur
	Extension Personnel													
Civil Society														

Discipline: Fishery

Name of the concerned Subject Matter Specialist: SribidyaWaikhom**Mobile No:** 9612773367

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Mandated activities	Thematic Area	Name of Technology	Source and Year of release	Asses s/Refi ne	Area (in ha.)	Location	Period and Durati on	Number of beneficiaries/ trials						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Pond management													
	Fish breeding	1. Seed production of walking cat fish (<i>Clarias magur</i>) using BRICS (Barrier Removal In Catfish for Voluntary Spawning) method	College of Fisheries, CAU(I), Lembucherra, 2020	A	-	Komnao, Hijamkhunou, Ukhongsang, Lourembam	June-August ,2021	1	-	1	4	-	4	5
		2. Seed production of local climbing perch (<i>Anabas testudineus</i>)	ICAR-CIFA, 2016	A		Thongjao, Wabagai, Hiyanglam, Tekcham, Kakching	June-August ,2021	2	-	2	3	-	3	5
Feeding management														

	Diseases management													
	Post harvest processing/ Value addition													
	IFS Modules													
Mandated activities	Thematic Area	Name of Technology	Source and Year of release	Crop/Cropping system	Area (in ha.)	Location	Period and Duration	Number of beneficiaries/ demon.						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
Front Line Demonstration	Pond management	Popularization of Silver barb (<i>Puntius gonionotus</i>) in feed based seasonal carp polyculture pond system	College of Fisheries, CAU(I), Lembucherra, 2014	-	2.5	Thoubal Khunou, Lourembam, Ningombam, Khangabok, Wabagai, Hiyanglam, Tekcham	July,2021- JFebruary,2022 7 months				10	-	10	10
	Fish breeding													
	Post harvest processing/ Value addition													
	IFS Modules	Popularization of Fish based integrated farming system	ICAR RC for NEH Region, Umiam, Meghalaya,	-	5.0	Lanmeithek, Khangabok, Lilong, Kiyamsiphai,	June,2021- March,2022 10 months	-	-	-	10	-	10	10

			2013			Yairipok, Langmeidong, Komnao, Tentha, Sikhong								
	Others (Pl. specify)													

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries						Remarks	
							SC/ST			General				Grand Total
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	Brood stock management for quality seed production (2)	1	April	2	Off	-	-	-	13	2	15	15	
		Breeding and hatchery management of air breathing fishes	1	May	3	On	2	-	2	13	-	13	15	
		Pre and post stocking management of pond	1	June	3	Off	1	-	1	14	-	14	15	
	Rural Youth	Water quality	1	July	1	Off	-	-	-	13	2	15	15	

		management (1)													
		Pond based Integrated Farming system (4)	1	Aug	3	On	-	-	-	-	15	-	15		
	Extension Personnel	Fish health management	1	Sep	1	On	-	-	-	13	2	15	15		
	Civil Society														
	NGO(including school drop-outs)														
	Others (Pl. specify)														
Vocational training programmes	Farmer and Farm women														
	Rural Youth	Value addition of fish	1	Feb	7	On	-	3	3	-	12	12	15		
	Extension Personnel														
	Civil Society														
	NGO(including school drop-outs)														
	Others (Pl. specify)														
Sponsored training program															Sponsoring agency
	Farmer and Farm women														DoF, Manipur
	Rural Youth	Culture and breeding of	1	oct	3	On	4	-	4	9	2	11	15	NFDB	

		ornamental fishes (2)												
	Extension Personnel	Fish health management	1	Dec	3	On	-	-	-	12	3	15	15	DoF, Manipur
	Civil Society													
	NGO(including school drop-outs)													
	Others (Pl. specify)													

Discipline: Home Science

Name of the concerned Subject Matter Specialist: R.K. Lembisana Devi **Mobile No:..9862120799**

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Mandat ed activities	Thematic Area	Name of Technology	Source and Year of release	Assess/ Refine	Are a (in ha.)	Location	Period and Duration	Number of beneficiaries/ trials						
								SC/ST			General			Grand Total
								M	F	Tot al	M	F	Total	
On farm testing	Nutritional Gardening	Introduction to year round nutri rich crops in NARI village during covid pandemic	ATARI Jabalpur,2019	A	-	Tentha Langathel, Khangabok Thoubal, Kakching Khunou	June-Dec, 2021	-	1	1	-	4	5	5
	Organic dye introduction/ utilization													
	Utilization of waste materials													
	(Bio-degraded/ Bio-nondegraded)													
	Storage													

	techniques (grains/ fruits/ fishes/ meat etc)													
	Uses of women friendly tools (WFT)													
	Technique s of child care/ old age													
	Value Addition	Assessment on preparation of guava cheese	Horticulture Division ICAR, Barapani, 2014	A		Laipham Lotnung, Wangkhem, Khangabok, Wangjing, Lilong Chingkham	Nov, 2021- Jan 2022	-	1	1	-	4	4	5

Mandated activities	Thematic Area	Name of Technology	Source and Year of release	Crop/Cropping system	Area (in ha.)	Location	Period and Duration	Number of beneficiaries/ demon.						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
Front Line Demonstration	Nutritional Gardening													
	Nutritional diet for children/ Pregnant women													
	Water harvesting devices including purification													
	Hygienic Sanitation													

	Storage techniques (grains/ fruits/ fishes/ meat etc)													
Value Addition	Production of Roselle Jam	College of Agri. Engineering Akola, 2015	Roselle Jam	-	Thoubal, Lourembam, Langathel, Laiphrakpam, Khangabok	Nov,2021				-	10	10	10	
	Production of Chow chowBori	College of Home Science Tura, Meghalaya	Chow chow	-	LilongChingkham, Thoubal, Laiphrakpam, Khangabok	Aug,2021	-	1	1	-	9	9	10	



Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries						Remarks	
							SC/ST			General				Grand Total
							M	F	Total	M	F	Total		
Farmers & farm Women	Importance of nutrification on traditional foods	1	April	2	Off	-	-	-	3	12	15	15		
	Preparation of watermelon rind candy	1	July	3	On	-	3	3	-	12	12	15		
	Preparation of chow chowbori	1	Mar	3	Off	-	-	-	-	15	15	15		
	Preparation of Roselle Jam and extraction of fibre from roselle	1	Dec	3	On	-	2	2	-	13	13	15		
Rural Youth	Value Addition as a source of income generation	2	Jan,	2	On/Off	-	5	5	-	25	25	30		
Extension Personnel	Food fortification	1	Sep	3	On/Off	-	3	3	-	12	12	15		
Civil Society														
NGO(including school drop outs)														
Others (Pl. specify)														

Vocational training programmes	Farmer and Farm women	Storage tech. of fruits	1	July	7	Off	-	10	10	-	5	5	15	
	Rural Youth													
	Extension Personnel													
	Civil Society													
	NGO(including school drop-outs)													
	Others (Pl. specify)													
Sponsored training programmes														Sponsoring agency
	Farmer and Farm women													
	Rural Youth	Value of fruits and vegetables	1	oct	3	On	-	-	-	3	12	15	15	DRDA
	Extension Personnel													
	Civil Society													
	NGO(including school drop-outs)													

	Others (Pl. specify)													

Discipline: Agricultural Extension/ Agricultural Economics/ Agricultural Statistics

Name of the concerned Programme Assistant:.....Salam Prabin Singh..... **Mobile No:**..7005367546.....

E-mailaddress:.....prabinsalam2020@gmail.com.....

Mandated activities	Thematic Area	Name & Details of Technology to be demonstrated	Source and Year of release	Crop/ cropping system	Area (in ha.)	Location	Period and Duration	Number of beneficiaries/demon.						Grand Total
								SC/ST			General			
								M	F	Total	M	F	Total	
Front Line Demonstration	Formation of Groups/ SHGs													
	Benchmark Survey (PRA tools etc)													
	Impact Assessment	Impact on Participatory rice seed Production of RC Maniphou 13 under DFI Villages in Thoubal district	NA	-	-	Lourembam , Ukhongshang	July,2021	-	-	-	80	40	120	120
	Impact of NARI (Nutri Sensitive Agricultural Resources & Innovations) in enhancement of farmers'	NA	-	-	Lourembam, Langathel, Wangjing	July 2021	-	-	-	-	130	130	130	130

		livelihood & nutritional security												
	Technology/ methodologic al Backstopping													
	Innovativene ss/ rate of adoption													
	Adoption/ Diffusion process													
	Adoption effect													
	Factors of adoption													
	Coordination / Convergence / Linkages promoted/ created													
	Others (Pl. specify)													

Mandated activities	Target group	No. of training progs and No. of Courses in bracket	Title of the training Programme	Period & duration (in days)	On/Off campus	Number of participants						Grand Total	Remarks
						SC/ST			General				
						M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	1	Marketing Strategies for value added products of Fruits & Vegetables	May	On	2	-	2	13	-	15	15	
		1	Marketing Potentials of Rice Seed Production	June	Off	-	-	-	15	-	15	15	
		2	Economic Potentials of cultivating organic crops in Manipur	Aug	On	7	3	10	15	5	20	30	
	Rural Youth	2	Intervention of Information and Communication Technology (ICT) in Agricultural Marketing	July	On	15	-	15	15	-	15	30	
	Extension Personnel	1	Importance of PRA	Sep(3)	On	2	-	2	13	-	13	15	

			in Agricultural & Allied sector											
	Civil Society													
	NGO (including school drop outs)													
	Others (Pl. specify)													
Vocational training programmes	Farmer and Farm women													
	Rural Youth	1	Communication Skill Development	Feb	3	-	3	12	-	1 2	15	15		
	Extension Personnel													
	Civil Society													
	NGO(including school drop outs)													
	Others (Pl. specify)													
Sponsored training programmes													Sponsoring agency	
	Farmer and Farm women	1												
	Rural Youth													
	Extension Personnel													
	Civil Society													
	NGO(including school drop outs)													
Others (Pl. specify)														

Extension Activities of the KVK proposed for the year 2021-22

Specific activity	No. of activities	Period of the year	Duration (in days)	Number of beneficiaries (No.)							
				SC/ST			General			Grand Total	
				M	F	Total	M	F	Total	M	F
Diagnostic visit	145			100	50	150	150	100	250	250	150
Advisory services/ telephone talk	1200			300	100	400	500	300	800	800	400
Training Manual	10	-	-	-	-	-	-	-	-	-	-
Celebration of Important days	5	-	-	80	20	100	350	100	450	430	120
Exhibition	3										
Exposure visit	10			60	40	100	150	50	200	210	90
Extension literature (Leaflet/ folders/ Pamphlets)	70										
Extension / technical bulletin	2										
News letter	2										
News paper coverage	65										

Research publications	8										
Success stories/ Case studies	6										
Farm Science Clubs' Convenors meet	31			150	50	200	413	100	513	563	150
Farmers' Seminar	2			20	5	25	50	25	75	70	30
Farmers' visit to KVKs	1400			250	100	350	800	250	1050	1050	350
Ex-trainees' meet	3			10	5	15	50	10	60	60	15
Field day	3			25	10	35	75	30	105	100	40
Film show	10			150	50	200	550	150	700	700	200
Radio Talk	24										
TV talk	8										
KishanGoshthi	2			30	15	45	70	35	105	100	50
Group Meeting	10			25	5	30	200	50	250	225	55
KishanMela	1			70	30	100	130	70	200	200	100
Soil Health Camps	10			25	5	30	130	30	160	155	35
Animal Health Camps	2			25	5	30	70	20	90	95	25
Awareness camp	24			100	40	140	500	80	580	600	120
Mobile Agro-Advisory (Messages/ Beneficiaries)	300			700	100	800	2050	150	2200	2750	250
Method demonstration	16			50	10	60	150	30	180	200	40

Scientists' visit to farmers' field	350			180	20	200	300	100	400	480	120
Workshop/ Seminar	2			15	5	20	60	20	80	75	25
Soil Testing	250			200	50	250	500	250	700	300	1000
Water Testing	200			25	5	30	150	20	170	175	25
Any other (Pl. Specify)											

Activity Calendar of the KVK (Month-wise target to be completed) for the year 2021-22

KVK: Thoubal

Activity/ Month	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
OFT (Nos.)													
i. Number of Technologies (7)	-	-	3	-	-	-	1	3	-	-	-	-	7
i. Number of Trials (35)	-	-	15	-	-	-	5	15	-	-	-	-	35
ii. Area (ha)/ items (no.) (2.5/20)								2.5					2.5
FLD (Nos.)													
i. Number (60 demo and 2 impact assessment)	-	-	2(20)	1(10)	1(10)			2(20)					60
ii. Area(ha)/ items (no.) 12.5ha	-	-	7.5	2.5	10 nos			2.5/ 10 nos.					
Training programme													
A. Farmer													
i. No. of course (25)	3	3	3	2	3	1	2	1	2	2	2	1	25
ii. No. Of participants (375)	45	45	45	30	45	15	30	15	30	30	30	15	375
B. Rural Youth													

i. No. of course (20)	2	1	2	3	2	1	2	1	3	2	1	-	20
ii. No. Of participants (300)	30	15	30	45	30	15	30	15	50	30	15	-	300
C. Ext. Personnel													
i. No. of course (10)	-				1	3	2	2	2				10
ii. No. Of participants(150)	-				15	45	30	30	30				150
Extension Activities/ programmes													
i. No. of activities													31
ii. No. of beneficiaries													4878
Seeds production (tonnes)							24.6	11.85	6.0			93.3	135.75
Planting materials (Nos)	500	1000					47500	40000	6500			14500	110000
Livestock strains (nos)	10	33		10				30	200	100			383
Fingerlings (Nos)							10,000	5000	-	-	-	10,000	25,000
Bio-agents/ products (tonnes)													
Bio-fertilizers/ Vermicompost etc. (in Tonnes)	1.5			1.5			1			1		10	15
Soil , Water, Plant, Manures Testing (No. of samples to be tested)	60	25	25	20	80	20	20	60	35	30	45	30	450
Soil , Water, Plant, Manures Testing (No. of farmers benefitted)	130	100	100	20	80	65	80	95	140	120	180	90	1200
Soil , Water, Plant, Manures Testing (No. of villages covered)	2	1	1	1	1	1	1	1	1	1	2	1	14
Mobile Agro-Advisory (No. of Messages)	45	25	35	35	20	20	45	50	50	25	20	25	300

Mobile Agro-Advisory (No. of Farmers)	250	150	350	250	200	200	300	250	450	150	200	250	3000
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(Dr.S.Zeshmarani)
Sr. Scientist and Head