

**Indian Council of Agricultural Research
Agricultural Technology Application Research Institute, Zone-VII
Umiam, Meghalaya**

Format for Annual Action Plan Formulation of KVKs, Zone-III for 2018-19

Name of the KVK/District: Champhai State: Mizoram Host Organization: Directorate of Agriculture(Research & Extension)

Present Staff Position in KVK

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	PC	Vacant	Sr Scientist & Head						
2	SMS	MALSAWMKIMI	Scientist	Horticulture	15,600-39,100+5,400	20,440/-	03.06.09	Permanent	ST
3	SMS	SYED KHALIDUDDIN AHMED	Scientist	Animal Science	15,600-39,100+5,400	21,220/-	26.4.08	Permanent	GENERAL
4	SMS	F. ZORAMTHARI	Scientist	Plant Protection	15,600-39,100+5,400	20,440/-	06.6.09	Permanent	ST
5	SMS	Dr. OM PRAKASH	Scientist	Agronomy	15,600-39,100+5,400	20,440/-	23.6.14	Permanent	General
6	SMS	ISRAEL LALREMRUATA	Scientist	Agro Forestry	15,600-39,100+5,400	20,440/-	09.03.12	Permanent	ST
7	SMS	VANLALDUATI	Scientist	Soil Science	15,600-39,100+5,400	18,240/-	09.02.15	Permanent	ST
8	Programme Asst	LALHRUAITLUANGI	PA (Home Sc)	Home Science	9,300-34,800+4200	14,120/-	1.7.08	Permanent	ST
9	Computer Programmer	SAMSON SAIRENGPUIA SAILO	PA (Computer)	Computer	9,300-34,800+4200	14,120/-	22.4.08	Permanent	ST
10	Farm Manager	PRAKASH THAPA	Farm Manager	B.Sc (Agri.)	9,300-34,800+4200	13,580/-	25.4.08	Permanent	GENERAL
11	Assistant	K.VANLALHMANGAIHI	Assistant	M.Com	9,300-34,800+4200	14,120/-	29.5.08	Permanent	ST
12	Stenographer	CRUSADE THANGPUII	Stenographer	B.A	5,200-20,200+2,400	10,170/-	29.2.08	Permanent	ST
13	Driver	LALNUNTLUANGA	Driver	-	5,200-20,200+1,900	8,250/-	29.2.08	Permanent	ST
14	Driver	R.DENGLIANA	Driver	-	5,200-20,200+1,900	8,250/-	9.2.08	Permanent	ST
15	Supporting staff	LALTANPUIA	Supporting staff	-	4,440-7,440+1,300	6,410/-	10.7.08	Permanent	ST
16	Supporting staff	LALVENHIMA	Supporting staff	-	4,440-7,440+1,300	6,410/-	24.7.08	Permanent	ST

Please furnish discipline-wise information in the given format pertaining to the mandated activities of your KVK targeted to be accomplished during 2018-19

Discipline: Agronomy

Name of the concerned Subject Matter Specialist: Dr Om Prakash..... **Mobile No:** 9436960302

E-mail address: om2@rediffmail.com.

Mandated activities	Thematic Area	Name of Technology Assessed/ Refined (in Specific)	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	Varietal evaluation of Rice var. Ketki Joha & Bokui Joha. Time of transplanting: June Seed rate :40 kg/ha Observation : 1. No. of hills / sq m 2. No. of tillers / hill 3. No. of effective tillers/ sq m 4. No. of grains / panicle 5. Yield/ha 6. Economics	RARS, Titabor, 2012	A	1.0	KVK Farm, Tuisen phai, Zotlang	June -Oct.18 150 days	02	01	03	-	-	-	03
	Integrated Farming System/ Integrated Crop Management	Comparative study of seedlings age and spacing on growth and yield of local Rice varieties. Technology: Seedling age at 25& 30 DAS Spacing: 25x15 cm & 30x15 cm Time of transplanting: June Seed rate : 40 kg/ha	AAU, Assam 2012	A	1.0	Phaise n, Tuimuk, KVK Farm	June -Oct.18 150 days	02	01	03	-	-	-	03

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	Popularization of Groundnut Variety: GPBD-5 D.O.T. :June Seed rate : 80kg/ha Observation : 1. Date of sowing 2. Grain yield (qt/ha)	UAS, Dharwad, Karnataka 2012	10	2.5	Chawngtlai, Phaise n, Ruantlang	June-October 130 days	06	04	10	-	-	-	10
	Integrated Nutrient Management	Popularization of AP-3 with <i>Rhizobium</i> inoculation Sowing: November Seed rate : 80 kg/ha Technology: <i>Rhizobium</i> coating @200gm/10Kg seed Observation : 1. Date of sowing 2. Seed yield (qt/ha)	AAU, Jorhat, 2010	10	2.5	Vengsang, Zotlang, Ruantlang	Nov 18- Feb.19 90 days	06	04	10	-	-	-	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		
On and Off campus training programmes	Farmer & Farm women	1. Advantage of chemical weed mgnt. in Rice (2)	2		1 days	On/ Off	40	10	50	-	-	50	50	
		2. Package of practices for cultivation of groundnut(2)	2		2 days	On	30	10	40	-	-	40	40	
		3. Scientific cultivation of Field pea & benefits of	5		2 days	Off	125	25	150	-	-	150	150	

		<i>Rhizobium</i> inoculation (2)												
	Rural Youth	Chemical weed mngt. in non cropped areas (1)	2		1 day	Off	50	10	60	-	-	60	60	
	Extension Personnel	Economics of chemical weed mngt. in cropped areas (1)	1		2 days	On	15	05	20	-	-	20	20	
	Rural Youth	Chemical weed mngt. in non cropped areas (1)	2		3 days	Off	60	10	70	-	-	70	70	

Discipline: Horticulture

Name of the concerned Subject Matter Specialist : Malsawmkimi Mobile No:9612624738

E-mail address:..sawmi77@rediffmail.com

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	Introduction of cauliflower variety Sobour Agrim	BAU, Sobour 2013	3	0.75	Phaisen hnar, Tuipui and Rabung	July-DeC	2	1	3				3
		Assessment of garlic variety Yamuna Safed 8	NHRDF, 2016	3	0.75	Zotlang, khawzawl and rabung	October - Feb	2	1	3				3
	Integrated Crop management	Assessment of improved production technology in tomato crop	IIHR					2	1	3				3

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	Varietal evaluation	Popularisation of Tomato variety Arka Samrat	IIHR, 2013	Rainfed	4	Tuipui village, Khawzawl village, Dulte village	June-November	7	3	10				10
		Popularisation of Garlic variety G- 282	NHRDF, 1992	Irrigated	5	Khawzawl, Champha i, zotlang	Oct-feb	8	2	10				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		
On and Off campus training programmes	Farmer & Farm women	Improved production technology in Mandarin orange(6)	1	2018-19	2	on	20	10	30				30	
		Pruning and Training in Kiwi	1		1	Off	20	10	30				30	
		Scientific management of Ginger cultivation	1		1	On	20	10	30				30	
		Improved production technology in tomato crop	1		1	On	20	10	30				30	
		Improve production technology of Onion and garlic	1		1	Off	20	10	30				30	
		Winter vegetables cultivation	1		1	off	20	10	30				30	

	Rural Youth	Winter vegetable cultivation	1		1	On	20	10	30				30	
		Improve technology in production of fruit crop	1		1	off	20	10	30				30	
	Extension Personnel	Improve technology in production of winter vegetable cultivation	1		3	on	8	2	10				10	
	Rural Youth	Improve technology in production of Tomato	3		1	On	10	20	30				30	
Sponsored training programmes	Farmer and Farm women	Production technology in Mandarin orange(6)	1		1	Off	10	20	30				30	NABARD
		Pruning and Training in Kiwi	1		1	1	10	20	30				30	IWMP

Discipline: Soil Science

Name of the concerned Subject Matter Specialist : R.Vanlalduati Mobile No:9615591207 E-mail address: duatikawlni@gmail.com

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	Soil health	Effect of biofertilizers on growth ,yield and economics of rice(<i>Oryza sativa</i>)	BAU, 2016	A	2	Zotlang, Champhai,Chawngtlai	June 2018-Dec 2018	3	-	3				3
	Soil management	Influence of Organic Mulches on Growth and Yield Components of Garden Pea variety Azad Pea 3	IIHR, Bangalore 2013	A	2	Zotlang, Ruantlang,Khawzawl	Sep 2018-Dec 2018	2	1	3				3
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	Soil health													
	Soil management	Effect of organic manures on growth and yield of Broccoli	TNAU 2014	Rainfed	1	Khawzawl,Mualkawi,Kelkang	Aug 2018-Feb 2019	5	5	10				10
	Nutrient Management	Potassium nutrition on yield and quality of Grapes variety Bangalore blue Treatments K2O doses (g/vine) 0-K2O 300-K2O 400-K2O	IIHR, Bangalore 2010	Rainfed	5	Mualveng,Ruantlang,Hnahlan,Champhai	Feb 2018-Aug 2018	9	1	10				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		
On and Off campus training programmes	Farmer and Farm women	1)Nutrient management in Grapes	2	2018-2019	1 day each	Off Campu s	40	20	60				60	
		2) Methods of fertilizer application in Orange	2			Off Campu s	30	20		50				
		3) Vermicomposting	1			On Campu s	60	30						
	Rural Youth	1)Importance of Soil testing	1	2018-2019	1 day	On Campu s	20		20				20	
	Extension Personnel	1)Soil Health Management	1	2018-2019	1 day	On Campu s	10	5	15				15	
Vocational training programmes	Farmer and Farm women	1)Vermicomposting	1	2018-2019	1 day	On Campu s	20	10	30				30	
	Rural Youth	1)Preparation of Compost pit	1	2018-2019	1 day	On Campu s	10	10	20				20	
Sponsored training programmes	Farmer and Farm women	1)Nutrient management in WRC	1	2018-2019	1 day	Off Campu s	50	10	60				60	ATMA
	Rural Youth													

Discipline: Plant Protection (Plant Pathology)

Name of the concerned Subject Matter Specialist:F.ZORAMTHARIC**Contact No:** 9862842195**E-mailaddress:**fzori@yahoo.com

Mandate d activities	Thematic Area	Details of Technology	Source & Year of release	Assess/Refine	Area (ha)	Location	Period & Duration	Number of trials/beneficiaries		
								SC/ST		
								M	F	Total
On farm testing	Integrated Disease Mgmt	<p>Integrated Disease Management of Late blight of tomato Technology: 1)Raising the crop in raise beds with plastic mulch. 2)Nursery bed treatment with trichodermaherzianum (0.5%) 3)Staking and removal of foliage and fruits up to 30 cm. 4)Protective spraying with mancozeb @ 0.2% or Copper oxy chloride @ 2 gm/lit Parameters to be studied:</p> <p>1) No of infected plants at ten days interval 2) Disease incidence (%) 3) Yield Kg/Ha</p>	IIHR, 2012	Assessment	1.2	Tuipui, Tuisenphai (Khawzawl) Phaizau,Champhai	August 2018-December 2019	3		3
	Disease management	<p>Management of Leaf spot of ginger Technology: 1)Uprooting and destroying of diseased leaf plants 2)Spraying with carbendazim or hexaconazole @ 1.5 gm/litre of water or coc @ 2 gm/litre of water at the appearance of diseases followed by three foliar sprays at 20 days interval Parameters to be studied:</p> <p>1) No of infected plants at ten days interval 2) Disease incidence (%) 3) Yield Kg/Ha</p>	UBKV,2015	Assessment	1.2	Khawzawl, Chawngtlai	April 2018-march 2019	2	1	3

Mandated activities	Thematic Area	Technology/Crop/Cropping system	Source & Year of release	Demo n (no)	Area (ha)	Location	Period & Duration	Number of trials/beneficiaries		
								SC/ST		
								M	F	Total
Front Line Demonstration	Integrated Pest Mgmt	<p>Integrated Pest Management of white fly in tomato</p> <p>Technology:</p> <ol style="list-style-type: none"> 1) Uprooting and destroying of diseased leaf curl plants 2) Judicious use of nitrogen fertilizer and irrigation 3) Installation of yellow sticky traps @ 12 no/ha to attract and kill insects. 4) Application of carbofuran 3% G @ 40 kg/ha and ETL based spraying with Dimethoate 1ml/lt of water <p>Parameters to be studied:</p> <ol style="list-style-type: none"> 1) No of infested plants at ten days interval 2) Leaf curl Disease incidence (%) 3) Pest incidence (%) 4) Yield Kg/Ha 	TNAU, 2014	10	4 ha	Tuipui, Tuisenphai (Khawzawl) Phaizau, Champhai	Oct 2018 – February 2019	10		10
	IPM	<p>Integrated pest Management of Aphids (Lipaphiserysimi) in Mustard. (Brassica juncea var rugosa)</p> <p>Technology:</p> <ol style="list-style-type: none"> 1) Early sowing of seeds (i.e before 20th of October) 2) Setting up of yellow sticky traps @ 12 No/ha 3) Destruction of aphid infesting twigs at the initial stage of appearance. 4) Spraying with neem oil 3% from 2nd -3rd week of Dec 5) ETL based spraying with dimethoate @ 625-1000ml/ha /imidacloprid @ 1 ml/lt of water <ol style="list-style-type: none"> i) Use of pheromone trap @ 12/ha for yellow stem borer ii) Application of Neem seed Kernelextract @ 25kg/ha iii) ETL based application of Flubendiamide @ 75ml/ha / Imidacloprid @ 500ml/ha / Hexaconazole @ 1ml/lit <p>Parameters to be studied:</p> <ol style="list-style-type: none"> 1) No of infested plants at ten days interval 2) Pest incidence (%) 3) Yield Kg/Ha 	TNAU, 2010	10	4 ha	Tuipui, Phaizau, Champhai and Tuisenphai, Khawzawl and Tuimuk, Khawzawl	Oct 2018 - Feb 2019	10		10

Mandated activities	Target group	Title of the training programme & No of courses in bracket	No. Of Training progs	Period of the year	Duration (in days)	On/Off campus	Number of trials/beneficiaries		
							SC/ST		
							M	F	Total
On and Off campus training programmes	Farmer and Farm women	1. IPM in ginge	1	April 18 To March 19	1	Off	30	20	50
		2. Safety use of pesticides	1		1	Off	30	20	50
		3. Mushroom Cultivation (Conventional method)	2		2	on	30	20	50
		4. Mushroom cultivation (Chinese method)	3		3	Off	30	20	50
Rural Youth	Mushroom cultivation (Chinese method)		3	April 18 - March 19	3	On	30	10	40
	Preparation of Bordeaux paste		1		1	Off	30	10	40

Mandated activities	Target group	Title of the training programme & No of courses in bracket	No. Of Training progs	Period of the year	Duration (in days)	On/Off campus	Number of trials/beneficiaries			Sponsoring Agency
							SC/ST			
							M	F	Total	
Sponsored training programmes	Farmer and Farm women	1) IPM in Agricultural and horticultural crops	1	June,2018	1 day each	Off	30	20	50	RKVY/ATMA/Line Dept
		2) Farmers field school in IPM in Paddy	2	June - Sept,2018	1	Off	30	20	50	
	Extension personnel	IPM in Horticultural crops		1	Nov, 2018	1	Off	10	10	20

Discipline: Animal Science

Name of the concerned Subject Matter Specialist: S.K.Ahmed MobileNo: 9862310702

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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	Breed introduction	Introduction and Awareness of turkey farming for meat and eggs in the district				Khawzawl	2years	2						
Mandated activities	Thematic Area	Name of Technology demonstrated	Source and Year of release	Livestock enterprise	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	Breed introduction													
	Breed improvement													
	Feeding management													
	Healthcare													
	Housing													
	Processing/ Value addition													

	Fodder production and quality enhancement														
	Pasture management														
	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						Grand Total	Remarks	
							SC/ST			General					
							M	F	Total	M	F	Total			
On and Off campus training programmes	Farmer and Farm women														
	Rural Youth														
	Extension Personnel														
	Civil Society														
	NGO(including school drop-outs)														
	Others (Pl. specify)														

Vocational training programmes														
Vocational training programmes	Farmer and Farm women													
	Rural Youth													
	Extension Personnel													
	Civil Society													
	NGO(including school drop-outs)													
	Others (Pl. specify)													
Sponsored training programmes														
Sponsored training programmes														Sponsoring agency
	Farmer and Farm women													
	Rural Youth													
	Extension Personnel													
	Civil Society													
	NGO(including school drop-outs)													
Others (Pl. specify)														

Extension Activities of the KVK proposed for the year 2018-19

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	86	April'18-march 2019	1 day each	130	66	196				130	66
Advisory services/ telephone talk	130	April'18-march 2019		100	30	130				100	30
Training Manual		April'18-march 2019									
Celebration of Important days	5	April'18-march 2019	1			mass					
Exhibition	1	April'18-march 2019	1	150	50	200				150	50
Exposure visit	1	April'18-march 2019		30	20	50					50
Extension literature (Leaflet/ folders/ Pamphlets)	14	April'18-march 2019	1	280	220	500					500
Extension / technical bulletin	61	April'18-march 2019		600	500	1100					1100
News letter	2	April'18-march 2019		100	50	150					150
News paper coverage	47	April'18-march 2019	1								
Research publications	2	April'18-march 2019									
Success stories/ Case studies	6	April'18-march 2019									
Farm Science Clubs' Convenors meet	1	April'18-march 2019									
Farmers' Seminar	1	April'18-march 2019	1	50	20	70				50	20
Farmers' visit to KVKs	200	April'18-march 2019	1 day each	1000	500	1500				1000	500
Ex-trainees' meet	1	April'18-march 2019									

Field day	15	April'18-march 2019	1 day each	220	90	310				220	90
Film show	4	April'18-march 2019									
Radio Talk	1	April'18-march 2019									
TV talk	2	April'18-march 2019									
Kishan Goshthi	2	April'18-march 2019	1 day each	50	10	60				50	10
Group Meeting	5	April'18-march 2019									
Kishan Mela	1	April'18-march 2019									
Soil Health Camps	3	April'18-march 2019									
Animal Health Camps	2	April'18-march 2019									
Awareness camp Mobile Agro-Advisory (Messages/ Beneficiaries)	1	April'18-march 2019									
Method demonstration		April'18-march 2019									
Scientists' visit to farmers' field	30	April'18-march 2019	1 day each	70	20	90				70	20
Workshop/ Seminar	1	April'18-march 2019	1	40	15	55				40	15
Soil Testing	7	April'18-march 2019									

Summary Activity Calendar of the KVK (Month-wise target to be completed) for the year 2018-19

KVK: Khawzawl, Champhai District

Activity/ Month	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
OFT (Nos.)													
i. Number of Technologies	1	3	3	1	1	1	1						11
i. Number of Trials	3	9	9	6	3	3	3						36
ii. Area (ha)/ items (no.)	1.2	2.7	3	1	1	1	0.75						10.65
FLD (Nos.)													
i. Number	20	20	10	20		10	15	20					115
ii. Area(ha)/ items (no.)	6	9	1	1		5	5	6					33
Training programme													
A. Farmer													
i. No. of course	5	7	5	4	3	8	6	4	1	1			44
ii. 110	140	230	130	110	90	270	180	150	80	60			1440
B. Rural Youth													
i. No. of course	1	1	1	1	2	2	2	1			1	1	13
ii. No. of participants	20	15	10	15	70	60	60	30			30	30	340
C. Ext. Personnel													
i. No. of course		1	1			1	1						4
ii. No. of participants		25	25			25	25						100
Extension Activities/ programmes													
i. No. of activities	3	5	4	6	3	6	7	2	5	2	5	3	

ii. No. of beneficiaries	120	300	250	445	155	575	689	105	134	150	267	167	
Seeds production (tonnes)					0.2		0.4	0.2				0.7	
Planting materials (Nos. in lakh)		0.04				0.03	0.12						
Bio-fertilizers/ Vermicompost etc. (in Tonnes)		1	1	1	1	1	0.5						
Soil , Water, Plant, Manures Testing (No. of samples to be tested)		25	25	25	25	25	25	50	50				
Soil , Water, Plant, Manures Testing (No. of farmers benefitted)		25	25	25	25	25	25	50	50				
Soil , Water, Plant, Manures Testing (No. of villages covered)		1	1	1	1	1	1	1	1				
Mobile Agro-Advisory (No. of Messages)	20	20	20	20	20	20	20	20	20	20	20	20	20
Mobile Agro-Advisory (No. of Farmers)	20	20	20	20	20	20	20	20	20	20	20	20	20



Signature
Sr. Scientist cum Head