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 2019-20

Name of the KVK/District: KVK,Thoubal State:Manipur Host Organization:. Dept. of Agriculture,Manipur

Present Staff Position in KVK

Sl. No.	Name	Gender (M/F)	Category (General/OBC/SC/ ST)	Designation	Discipline	Date of joining in the present post	Mobile No.
1.	Dr. S. Zeshmarani	F	Gen	Senior Scientist & Head	Animal Science	28/02/2018	8415902143
2.	Smt.Kh. Premlata Devi	F	SC	SMS	Horticulture	12/04/2007	8729868615
3.	Dr. M. Thoithoi Singh	M	Gen	SMS	Plant Protection	25/07/2007	9856282339
4.	Shri S. Sumangal Singh	M	Gen	SMS	Plant Breeding & Genetics	25/07/2007	9862717582
5.	Shri N. Tomba Singh	M	Gen	SMS	Agronomy	25/07/2007	9774753244
6.	Smt. R.K. Lembisana Devi	F	Gen	SMS	Home Science	26/12/2016	9862120799
7.	Dr.W. Jiten Singh	M	OBC	Farm Manager	Agronomy	12/04/2007	8787886023
8.	Smt.L. Babita Devi	F	Gen	Program Assistant	Computer	12/04/2007	9615156223
9.	Shri O.Shilhenba Singh	M	Gen	Assistant	Accountant	05/10/2016	9862638170

10.	Smt. M. Geeta Devi	F	Gen	Steno cum Computer Operator		12/04/2007	9856686887
11.	Shri M. Hemanta Singh	M	Gen	Driver cum Mechanic		12/04/2007	7424002550
12.	Shri Th.Tiken Singh	M	OBC	Driver cum Mechanic		03/05/2007	9612017230
13.	Shri S. Dhabali Singh	M	Gen	Peon cum Chowkidar		12/04/2007	9862985680
14.	Shri Mangminthang Zou	M	ST	Peon cum chowkidar		12/04/2007	8575900753
	Total	**14**					

Please furnish discipline-wise information in the given format pertaining to the mandated activities of your KVK targeted to be accomplished during 2019-20

Discipline: **Agronomy**

Name of the concerned Subject Matter Specialist :..N.Tomba Singh..... **Mobile No:**.....9774753244.....

E-mail address:.....kvkthoubal@gmail.com.....

Mandated activities	Sl. No.	Problem diagnosis (with extent/ severity of problem)	Name/ Details of Technology to be Assessed/ Refined (in Specific)	Source and Year of release	Assess/ Refine	Area (in ha.)	Location	Period and Duration	Number of trials	Name of parameters to be tested
On farm testing	1.	No foliar (urea)application is done in lentil cultivation only basal application could not meet the required nutrition. 20-30% severity	Lentil, Foliar spray of 2% urea 2 times at branching 35(DAS) & Pod formation(75 DAS) in addition to recommended P & K	RARS,Shillongani,Nagaon,AAU, Y.O.R-2015	Assess	3	i.Tentha ii.Hijam Khunou iii.Serou	Nov,19-March,20 120 days	5	i) Plant ht. ii) Pl.stand ii) Pod/plant v) Seed/pod v) Seed yield vi) Rainfall & Temp ii) B:C ii) Farmers reaction
	2.	Low yield of the practices done by farmers under zero tillage. 20-30% severity in yield reduction	Mustard, Var.NRCHB-101 Two foliar application of 1%urea at flowering & pod filling stages along with basal application of recommended fertilizer dose i.e. 60:30:30 kg NPK/ha	AAU, 2015	Assess	3	i. Kakching ii.Khongjom iii.Tentha	Nov,19-March,20 120 days	5	i) Rainfall i) Yield attributes (no. of siliqua/ plant, nos. of seeds per siliqua, nos of branches/ plant) ii) Yield v) B:C ratio v) Farmers

										reaction
	3.	Heavy weed infestation, and high cost of hand weeding 60 % severity	Maize(Var. HQPM-1) Weed management in Spring Maize using oxyfluorfen @0.15kg a.i/ ha + Slide HW at 25-30 DAS	ICAR-IIMR, New Delhi,2014	Assess	1	i.Lourembam ii.Serou iii.Kakching	June-Sept,20 110 days	5	i) Weed count/sq. m ii) Plant ht. ii) Size & nos.of grain/cob v) Yield v) B:C ratio vi) Farmers reaction

Mandated activities		Thematic Area	Name & Details of Technology to be demonstrated	Source and Year of release	Crop/ cropping system	Area (in ha.)	Location	Assess/ Refine	Parameters to be Demonstrated	Period and Duration	Number of beneficiaries/demon.						Grand Total
											SC/ST			General			
											M	F	Total	M	F	Total	
Front Line Demonstration	1.	Varietal evaluation	.														
	2.	Seed Production															
	3.	Integrated Weed Management															
	4.	Integrated Nutrient Management															
	5.	Integrated Water Management															
	6.	Tillage Management/ Farm															

		Machinery															
	7.	Integrated Farming System/ Integrated Crop Management	Popularization of ICM in Rice Seed rate-25 kg/ha. NPK-60:40:30. Seedling age-17days Spacing-20x20cm. No. of seedling/hill-2 Weed management-Cono + HW 2 times at 10 days interval	Division of Agronomy , ICAR Research Complex for NEH Region Umiam 2010.	Rice	2.5	i.Wangmataba ii.Thoubal Khunou iii.Yairipok iv.Kshetri Leikai v.Sabaltongba vi.Kekman vii.Tentha viii.Kakching ix.Kakching Khunou	Assess	i) No. of tillers/plant i) No.of grains/Panicle i) Yield v) Duration v) B:C ratio i) Farmer reaction	June-Nov,20 135 days	2	-	2	8	-	8	10
	8.	Others (Pl. specify)	Popularization of modified SRI- Seed rate-7-10 kg/ha. Organic manure-10t/ha. NPK-50% of recommended dose. Seedling age-18-20 days.Spacing-20x20cm. No. of seedling/hill-1. Irrigation-intermittent wetting and drying .Weed management-Cono + HW 2 times at 10 days interval.	Division of Agronomy , ICAR Research Complex for NEH Region Umiam 2010	Rice	2.5	i.Kiyam Siphai ii.Wangjing iii.Umathel iv.Wangoo v.Hijam Khunou vi.Lourembam	Assess	i) No.of tillers/plant ii) No.of grains/Panicle ii) Yield v) Duration v) B:C ratio i) Farmer reaction	June - Nov19 135 days	1	-	1	9	-	9	10

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**			**Remarks**
							SC/ST	**General**	**Grand Total**	

							M	F	Total	M	F	Total		
On and Off campus training programmes	1.	Farmer and Farm women	6(18)	i)Scientific cultivation of maize	May – Dec,19	On	5	-	5	15	-	15	20	
				ii)SRI, the best method of rice cultivation	3 days each	Off	-	-	-	15	5	20	20	
				iii)Integrated Nutrient management		Off	-	-	-	17	3	20	20	
				iv)Green manuring		Off	16	4	20	-	-	-	20	
				v)Balanced nutrition in plants		off	-	-	-	16	4	20	20	
				vi)Scientific cultivation of Rabi field crops			-	-	-	17	3	20	20	
	2.	Rural Youth	3(9)	i)Organic farming	June 19 – Feb,20	On	7	3	10	8	2	10	20	
				ii)Low cost tools for rice cultivation	3 days each	On	5	2	7	10	3	13	20	
				iii)Rice based integrated farming system		Off	-	-	-	15	5	20	20	
	3.	Extension Personnel	3(9)	i)Recent Advances in rice cultivation	Sep 19 – March 20	On	5	2	7	10	3	13	20	
				ii)Scientific cultivation of pulses and oilseeds	3 days each	On	6	3	9	9	2	11	20	
				iii)Nutrient management in crops.		On	4	2	6	10	4	14	20	
	4.	Civil Society												
	5.	NGO (including school drop outs)												
	6.	Others (Pl. specify)												

Vocational training programmes	1.	Farmer and Farm women												
	2.	Rural Youth	1(3)	Nutrient management in crops	Sep,19 15 days	on	5	-	5	12	3	15	20	
	3.	Extension Personnel												
	4.	Civil Society												
	5.	NGO(including school drop outs)												
Sponsored training programmes														**Sponsoring agency**
	1.	Farmer and Farm women	1(3)	Zero tillage mustard cultivation	Oct,19 3 days	on	4	2	6	12	2	14	20	District Agriculture Office, Thoubal
	2.	Rural Youth	1(3)	Recent advances in rice cultivation	Aug,19 3 days	on	5	3	8	10	2	12	20	SAMETI, Manipur
	3.	Extension Personnel												
	4.	Civil Society												
	5.	NGO(including school drop outs)												
	6.	Others (Pl. specify)												

Discipline: Plant Breeding & Genetics

Name of the concerned Subject Matter Specialist :.S.Sumangal Singh..... **Mobile No:**.....9862717582.....

E-mail address:....surmangal07@gmail.com.....

Mandated activities	S. No.	Problem diagnosis (with extent/ severity of problem)	Name/ Details of Technology to be Assessed/ Refined (in Specific)	Source and Year of release	Assess/ Refine	Area (in ha.)	Location	Period and Duration	Number of trials	Name of parameters to be tested
On farm testing	1.	Timely sowing of winter crops not possible due to long duration rice varieties	Transplanted Cultivation of rice variety WR-15-6-1 for earlier harvesting Seed rate-50 kg/ha N:P:K-60:40:30 Spacing 15x15cm	Dept. of Agri. Manipur In pipeline	Assess	1.25	i.Wangjing ii.Thoubal Wangmatab a iii.Khongjom	June-Oct,19 135 days	5	1. Plant height 2. Tiller no. 3. Grains/panicle 4. Grain size(boldness) 5. Test wt. 6. Yield 7. BC ratio
	2.	Lodging of the variety and yield reduction. (It was assessed last year without any fertilizer. The rice plant lodged.) 30% and above	Direct seeded wet sown Refinement in 1.fertilizer dose @ rate of N:P:K:: 0:40:40 2. Seed rate-60 kg/ha 3. Date of sowing - May	CoA/CAU, Imphal, 2016	Refine	1.25	i.Tentha ii.Khangabok iii.Wangjing	May-Nov,19 145 days	5	1. Plant height 2. Tiller no. 3. Grains/panicle 4. Grain size 5. Test wt. 6. Duration 7. Yield 8. BC ratio

Mandated activities		Thematic Area	Name & Details of Technology to be demonstrated	Source and Year of release	Crop/ cropping system	Area (in ha.)	Assess/ Refined	Parameter to be demonstrated	Location	Period and Duration	Number of beneficiaries/demon.						
											SC/ST			General			Grand Total
											M	F	Total	M	F	Total	
Front Line Demonstration	1.	Varietal / hybrid evaluation	Popularization of Mustard Var. DRMR-150-35 under Zero tillage mustard cultivation - Seed rate: 28 kg/ha sown 3-4 days after harvesting rice NPK: 40:20:10 N in two splits first before true leaf appears second after 25-30 DAS Plant Protection- as and when needed	DRMR, Bharatpur 20.15	Mustard	3	Assess	1.Pl.ht 2. No branches 3. No. of siliqua/plant 4.Seed/siliqua 5.Seed type 6. Yield 7. B:C	i.Wangjing-2 ii.Khongjom-2 iii.Heirok-2 iv.Ukhongsang-2 v.Uyal-2	Nov,19-March,20 90 days	-	-	-	10	-	10	10
	2.	Crop improvement															
	3.	Seed production	Popularization of Rice variety RC Maniphou-13 Participatory rice seed production i.Seed rate- 45 kg/ha ii.N:P:K- 60:40:30 (N in three splits,K in two splits) iii. Rogueing as per need iv. Plant Protection-Seed treatment, as and when needed v. Spacing-20x15 cm vi. Weed control- 1 pre emergence & 1 HW	ICAR, Imphal, 2016	Rice	3	Assess	1.Pl.ht 2. No. of tiller / plant 3. No. of grains/panicle 4.Duration 5.Test Wt. 6.Grain type 7. Yield 8. B:C	i.Wangjing-2 ii.Khongjom-2 iii.Ukhongsang-2 iv.Uyal-2 v.Heirok-2	June-Nov,19 135 days	-	-	-	7	3	10	10

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	1.	Farmer and Farm women	6(18)	i) Importance of seed & its production(2) ii) Harvesting & storage of seed iii) Selection of suitable rice varieties iv) Zero Tillage mustard cultivation v) Harvesting & Processing of mustard	May – Dec,19 3 days each	Off off Off On Off Off	- 3 - - 3 -	- 2 - - 2 -	- 5 - - 5 -	30 10 18 15 10 15	10 5 2 5 5 5	40 15 20 20 15 20	40 20 20 20 20 20	

	2.	Rural Youth	5(15)	i) Importance of seed & its production ii) Harvesting & storage of seed iii) Selection of suitable rice varieties iv) Zero Tillage mustard cultivation v) Harvesting & Processing of mustard	June 19 – Feb,20 3 days each	Off On Off Off On	- 3 - - 3	- 2 - - 2	- 5 - - 5	15 10 18 15 10	5 5 2 5 5	20 15 20 20 15	20 20 20 20 20	
	3.	Extension Personnel	1(3)	i) Prodn. of Seed & Planting material	Jan,20 2 days	On	5	-	5	10	5	15	20	
Vocational training programmes	1.	Farmer and Farm women												
	2.	Rural Youth	1(3)	Importance of seed & its production	Oct,19 15 days	On	-	-	-	15	5	20	20	
	3.	Extension Personnel												
	4.	Civil Society												

Sponsored training programmes														**Sponsoring agency**
	1.	Farmer and Farm women												
	2.	Rural Youth												
	3.	Extension Personnel	1(3)	Situation Specific crop Varieties	Jan,20 3 days	On	-	-	-	15	5	20	20	Bayer Bio Science Pvt. Ltd.
	4.	Civil Society												
	5.	NGO(including school drop outs)												

	6.	Others (Pl. specify)												

Discipline: **Plant Protection**

Name of the concerned Subject Matter Specialist:...Dr.M.Thoithoi Singh..... Mobile **No:**...9856282339.....

E-mail address:....thoithoi_pp@yahoo.com.....

Mandated activities	S. No.	Problem diagnosis (with extent/ severity of problem)	Name/ Details of Technology to be Assessed/ Refined (in Specific)	Source and Year of release	Assess/ Refine	Area (in ha.)	Location	Period and Duration	Number of trials	Name of parameters to be tested
On farm testing	1.	(% incidence) Stem borer 12% Plant Hopper 20%	Mgmt. of stemborers & plant hoppers with Voliam flexi (Chlorantraniliprole 8.8%w/w + Thiamethoxam 17.5% w/w) @400ml/ha	TNAU,2015	Assess	1.25	i.Tentha iii.Leisangthem iii..Khangabok	Aug-Dec ,19 140 days	3	i.Stem borer (infested plants)(cumulative) at 30 days ii. No.of plant hoppers (cumulative) at 30days interval/plant iii. Yield iv. BC Ratio
	2.	Fruit borer- 15% Aphid infested shoot-20% Semiloopers	Fruit borer & Aphid management with Emamectin benzoate 5 SG (0.002%)	Mahatama Phule Krishi Vidyapeeth, Rahuri,2015	Assess	1.25	i.Kakching Laipham Lotnung ii.Tokpaching iii.Langathel	July-Nov.19 135 days	3	**30 days after seedling@20 days interval on** 1. Infestation level of a) Pod borer(infested pod) b) Aphid(affected shoot) c) Semi looper d) Flea beetle 2.Yield 3.B.C Ratio

Mandated activities		Thematic Area	Name & Details of Technology to be demonstrated	Source and Year of release	Crop/ cropping system	Area (in ha.)	Assess/ Refined	Parameters to be demonstrated	Location	Period and Duration	Number of beneficiaries/demon.						
											SC/ST			General			Grand Total
											M	F	Total	M	F	Total	
Front Line Demonstration	1.	Integrated Pest Mgmt	Popularization on management of Thrips and fruit borer of chilli with Spinetoram 12% SC 60gm ai/ha. Three sprays at 15 days interval	Mahatama Phule Krishi Vidyapeeth, Rahuri,2015	Chilli	2	Asses	1. Mean population of thrips/ leaves 2.% Fruit damage 3. Yield 4.B.C Ratio	1.Wangkhem 2.Keirak 3.Wabagai 4.Kakching Lamkhai 5.Wangbal 6.Bhengi 7.Ukhongsang 8.Sapam	May-Aug,19 120 days	1	1	2	5	1	6	8
	2.	Integrated Disease Mgmt	Popularization on Management of Fusarium wilt in Tomato caused by *F.oxysporium* by spraying Tebuconazole 250EC (Folicur) @ 400ml/ha	Indian Institute of Vegetable Research, Varanshi, 2012	Tomato	2	Asses	1)% of infected plants before spray 2)No.of wilted plants 25 DAT, 50 DAT 3)Yield 4)B.C Ratio	1.Khekman 2.Kairembikhok 3.Ukhongsang 4.Wabagai 5.Wangjing 6.Tokpaching 7.Laipham Lotnung 8.Wangkhem	July-Nov.19 130 days	1	1	2	6	-	6	8
	3.	Biological control (Insect/pest/ weeds etc)															
	4.	Product evaluation (Efficacy)															
	5.	Beneficial insects															
	6.	Other beneficial															

		organisms																
	7.	Store grain pest																

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	1.	Farmer and Farm women	7(21)	i.Vermicomposting, ii.Mushroom cultivation, iii.Pest Mgmt. in rice iv.Pest mgmt. in tomato v. Pest mgmt. in chilli.	May,19 – Jan,20 3 days each	On Off Off Off Off	- 15 - - 10	- 5 - - 10	- 20 - - 20	20 10 20 15 -	- 10 - 5 -	20 20 20 20 -	20 40 20 20 20	
	2.	Rural Youth												
	3.	Extension Personnel	2(6)	Pest identification & Recommendation	Oct-Dec,19 3days	On	10	3	13	17	5	22	35	
	4.	Civil Society												
	5.	NGO (including school drop outs)												
	6.	Others (Pl. specify)												
Vocational training programmes	1.	Farmer and Farm women												
	2.	Rural Youth	2(6)	i)Mushroom cultivation ii)Vermicomposting	Sept-Oct ,19, 15 days Oct-Nov ,19 15 days	Off On	- 5	- -	- 5	15 20	5 5	20 25	20 30	
	3.	Extension Personnel												

	4.	Civil Society										
	5.	NGO(including school drop outs)										
	6.	Others (Pl. specify)										
Sponsored training programmes												**Sponsoring agency**
	1.	Farmer and Farm women										
	2.	Rural Youth										
	3.	Extension Personnel										
	4.	Civil Society										
	5.	NGO(including school drop outs)										
	6.	Others (Pl. specify)										

Discipline: **Animal Science**

Name of the concerned Subject Expert : Dr.S.Zeshmarani..... **Mobile No:**.8415902143.....

E-mail address:...zeshma.sarangthem@gmail.com.....

Mandated activities	S. No.	Problem diagnosis (with extent/ severity of problem)	Name/ Details of Technology to be Assessed/ Refined (in Specific)	Source and Year of release	Assess/ Refine	Area (in ha.)	Location	Period and Duration	Number of trials	Name of parameters to be tested
On farm testing	1.	Less profit of white broiler birds	Production performance of colour broiler birds	WBUAFsc 2016	Assess	500 birds	i.Lourembam ii.Khangabok iii.Wangbal	May,2019 2 months	5	i. Weekly body wt(1-6 wks) ii. Survibility% iii. B.C Ratio iv. Farmers preference

Mandated activities		Thematic Area	Name & Details of Technology to be demonstrated	Source and Year of release	Crop/ cropping system	Area (in ha.)	Assess/ Refined	Parameters to be demonstrated	Location	Period and Duration	Number of beneficiaries/demon.						Grand Total
											SC/ST			General			
											M	F	Total	M	F	Total	
Front Line Demonstration	1.	Breed introduction															
	2.	Feeding Management	Popularisation of Japanese Quail by feeding EM @ 10ml/100 birds for first 10 day and continue after 20 days break for 16	WBUAFsc 2016	-	1000 birds	Assess	i.Growth performance ii.Age at 1st lay iii.Hatchability% iv.Survibility%	i.Athokpam ii.Wangjing iii.Pallel iv.Lourembam v.Kakching vi.Uyal	June, 2019 3 months	2	0	2	4	0	4	6

			days					v.B.C Ratio									

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	1.	Farmer and Farm women	5(15)	Scientific Dairy Mgmt.(1)	Aug ,19(3)	On	5	2	7	10	3	13	20	
				Scientific Piggery mgmt.(2)	Sep ,Dec,19(3 ,3)	Off	15	5	20	-	-	-	20	
							-	-	-	15	5	20	20	
				Scientific Poultry Mgmt(2)	Jul,,Oct,19(3 ,3)	off	16	4	20	-	-	-	20	
										15	5	20	20	
	2.	Rural Youth	4(12)	Importance & feeding of Bokashi feeds for livestock(1)	May,19 3 days	On	10	-	-	10	-	10	20	
				Care and Management of pigs(1)	Aug,19 3 days	Off	-	-		15	5	20	20	
						Off	14	6	20	-	-	-	20	
				Scientific Goat farming(2)	Sep ,19 (3 days) Oct,19 (3 days)	off	-	-	-	15	5	20	20	
	3.	Extension Personnel	2(6)	Integrated livestock farming	Nov,19 3 days	On	5	-	5	15	-	20	20	
				Scientific Broiler farming	June,19 3 days	Off	-	-	-	15	5	20	20	
	4.	Civil Society												
	5.	NGO (including school drop outs)												
	6.	Others (Pl. specify)												

Vocational training programmes	1.	Farmer and Farm women	1(3)	Preparation and feeding of Bokashi feed	May,19 15 days	On	4	-	4	14	2	16	20	
	2.	Rural Youth												
	3.	Extension Personnel												
	4.	Civil Society												
	5.	NGO(including school drop outs)												
	6.	Others (Pl. specify)												
Sponsored training programmes														**Sponsoring agency**
	1.	Farmer and Farm women	1(3)	Livestock waste management	Dec,19 3 days	On	5	-	5	10	5	15	20	NABARD
	2.	Rural Youth	1(3)	Preparation and feeding of Bokashi feed	Nov,19 3 days	On	5	-	5	10	5	15	20	Manipur SFAC
	3.	Extension Personnel												
	4.	Civil Society												
	5.	NGO(including school drop outs)												
	6.	Others (Pl. specify)												

Discipline: Home Science

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

E-mail address:.....

Mandated activities	S. No.	Problem diagnosis (with extent/ severity of problem)	Name/ Details of Technology to be Assessed/ Refined (in Specific)	Source and Year of release	Assess/ Refine	Area (in ha.)		Location	Period and Duration	Number of trials	Name of parameters to be tested
On farm testing	1.	High cost of production using blackgram	Dev.of bori from squash(40%) mixed with KMS @ 1.5g/ kg with blackgram paste (60%)	College of Home Sc,Tura,2014	Assess			i.Sapam ii.Thoubal iii.Ningombam	June ,19 14 days	5	i. Product recovery/kg ii. B.C Ratio iii. Palatibility iv. Texture
	2.	Amla, due to its perishable nature, it is difficult to store	Osmotic dehydration of Amla Washing, blanching, segment making, dipping in sugar syrup (65 ˚brix) , drying	IIHR, Bangalore 2012	Assess			i.Kakching ii.Lourembam iii.Wangjing	Oct ,19 30 days	5	**i.**Product recovery/kg ii. B.C Ratio iii. Colour & Texture iv.Shelf life

Mandated activities		Thematic Area	Name & Details of Technology to be demonstrated	Source and Year of release	Crop/ cropping system	Assess/ Refined	Parameters to be demonstrated	Location	Period and Duration	Number of beneficiaries/demon.						
										SC/ST			General			Grand Total
										M	F	Total	M	F	Total	
Front Line Demonstration	1.	Nutritional Gardening														
	2.	Nutritional diet for children/ Pregnant women														
	3.	Energy saving tools/ devices														
	4.	Water harvesting devices including purification														
	5.	Hygienic Sanitation														
	6.	Organic dye introduction/ utilization														

	7.	Utilization of waste materials (Bio-degraded/ Bio-non-degraded)														
	8.	Storage techniques (grains/ fruits/ fishes/ meat etc)	Popularization of Jackfruit chips. -blanching in warm water with 1.% KMS for 1 min -Deep fried in cooking oil.	University of Agricultural Sciences Bangalore,2014	Jackfruit	Assess	i.Product Recovery/ kg ii.Taste iii. B:C Ratio	i.Wangjing ii.Langathel iii.Athokpam iv.Thoubal Khunou v.Lourembam vii.Tentha vii.Sapam	June-Sep,19	-	2	2	-	8	8	10
	9.	Uses of women friendly tools (WFT)	Popularization of Ring cutter for bhindi Specifications Length(mm)-140 Width(mm)-95 Wt.Kg-0.15	CIAE,Bhopal,2016	Bhindi	Assess	i.Production – kg/hr ii. Heart Beat/min iii. Labour efficiency/ha iv. B.C ratio	i.Langathel ii.Wangjing iii.Thoubal iv.Wangbal v..Lourembam	July-Aug19	-	3	3	-	7	7	10

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	1.	Farmer and Farm women	5(15)	i.Women friendly tools ii.Complementary food & feeding guidelines iii.Prodn. of jackfruit chips iv.Drudgery reduction tools (Ring cutter) v.Extraction & utilisation of minor fiber	June-Sep,19 3 days	Off Off On On Off	- - - - -	- - 5 3 5	- - 5 3 5	- - - - -	20 20 15 17 15	20 20 15 17 15	20 20 20 20 20	
	2.	Rural Youth	4(12)	i.Nutrient dense recipes ii.Osmotic dehydration of fruits iii. Recycling of waste material iv. Nutritional gardening	Aug,19 3 days May,19 3 days Oct,19 3 days	Off Off Off off	- - - -	- 15 - -	- 15 - -	- - 1 5 10	20 - 5 10	20 - 20 20	20 15 20 20	
	3.	Extension Personnel	2(6)	Achieving nutritional security through nutrient dense recipes.	Nov,19 3 days Jan,20 3 days	On On	5 -	2 -	7 -	3 -	10 20	13 20	20 20	
	4.	Civil Society												
	5.	NGO (including school drop outs)												
	6.	Others (Pl. specify)												
Vocational training programmes	1.	Farmer and Farm women												
	2.	Rural Youth												

	3.	Extension Personnel													
	4.	Civil Society													
	5.	NGO(including school drop outs)													
	6.	Others (Pl. specify)													
Sponsored training programmes															**Sponsoring agency**
	1.	Farmer and Farm women	1(3)	Development of chow-chow bori	3 days (Aug,19)	on	-	5	5	-	15	15	20		DRDA, Thoubal
	2.	Rural Youth	1(3)	Storage technique of fish/fruits	3 days (Oct,19)	on	-	5	5	-	15	15	20		DRDA, Thoubal
	3.	Extension Personnel													
	4.	Civil Society													
	5.	NGO(including school drop outs)													
	6.	Others (Pl. specify)													

Extension Activities of the KVK proposed for the year 2019-20

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	500	Year round	Year round	100	50	150	250	100	350	350	150
Advisory services/ telephone talk	1230	Year round	Year round	280	150	430	600	200	800	880	350
Training Manual	20										
Celebration of Important days	7	Apri June August Dcember Decembe r	1day each	57	23	80	223	127	350	280	150
Exhibition	3	July Decembe r febuary	3 days	90	40	130	260	110	370	350	150
Exposure visit	6	June, july. aug, nov, jan, feb,	1 day each	50	15	65	250	30	280	300	45
Extension literature (Leaflet/ folders/ Pamphlets)	16	April, july, oct, jan,									
Extension / technical bulletin	5	April, june, aug,oct, feb									
News letter	2	July, feb									
News paper coverage	12										

Research publications	5										
Success stories/ Case studies	10	July,feb									
Farm Science Clubs' Convenors meet	11	All year round									
Farmers' Seminar	2	July, sept									
Farmers' visit to KVKs	3000	All year round									
Ex-trainees' meet	2	Aug, oct									
Field day	2	Oct, afeb		25	15	40	80	25	105	105	40
Film show	3										
Radio Talk	30										
TV talk	20										
Kishan Goshthi	2	July, nov									
Group Meeting	12	Every month									
Kishan Mela	1	dec	3 days	90	40	130	260	110	370	350	150
Soil Health Camps	16	Every month	1day	25	5	30	350	100	450	370	105
Animal Health Camps	3	April, july, dec	1 days	15	5	20	45	15	60	60	20
Awareness camp Mobile Agro-Advisory (Messages/ Beneficiaries)	500	Every day		50	50	100	250	150	400	300	200
Method demonstration	20	Every month									
Scientists' visit to farmers' field	250	Round the year		95	25	120	135	35	170	230	70
Workshop/ Seminar	1	jan									

Soil Testing	200			50	50	100	300	100	400	350	150
Water Testing	200			70	30	100	300	100	400	370	130
Plant Testing											
Manure Testing											
Distribution of SHCs	1000			250	50	300	550	150	700	800	200
Any other (Pl. Specify)											

Summary Activity Calendar of the KVK (Month-wise target to be completed) for the year 2019-20

KVK:___KVK,Thoubal_____

Activity/ Month	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
OFT (Nos.)													
i. Number of Technologies	-	1	3	2	-	1	-	2	-	-	-	1	10
i. Number of Trials		5	15	10		5		10	-	-	-	5	45
ii. Area (ha)/ items (no.)	-	-	1.25	1.25		-		6	-	-	-	3	11.50
FLD (Nos.)													
i. Number	20	-	51	10	-	-	-	10	-	-	-	-	91
ii. Area(ha)/ items (no.)	4	-	8	1	-	-	-	3	-	-	-	-	16
Training programme													
A. Farmer													
i. No. of course	2	4	5	2	2	3	2	3	-	-	1	-	24
ii. No. of participants	40	80	100	40	40	60	40	60	-	-	20	-	480
B. Rural Youth													
i. No. of course	-	1	-	2	2	2	2	2	3	4	3	1	22
ii. No. of participants	-	20	-	40	40	20	40	40	60	80	60	20	440
C. Ext. Personnel													
i. No. of course	-	-	-	-	-	1	1	-	-	1	1	3	7
ii. No. of participants	-	-	-	-	-	20	20	-	-	20	20	60	140
Extension Activities/ programmes													
i. No. of activities	90												
ii. No. of beneficiaries	2500												
Publications													

i. Training Manual	1	3	2	1	1	1	2	3	1	2	2	-	20
ii. Leaflet	1		2	2		2	1	2	1	1			16
iii. Newsletter					1						1		2
Seeds production (tonnes)										**19.35**			
Planting materials (Nos. in lakh)	2000									**2500**			4500
Livestock strains (No. in lakh)		.001			.001			.1		.2			**0.302**
Fingerlings (No. in lakh))		2				5							**7**
Bio-agents/ products (tonnes)													
Bio-fertilizers/ Vermi compost etc. (in Tonnes)							**2400**						**2400**
Soil , Water, Plant, Manures Testing (No. of samples to be tested)	Soil-20 Water- Plant- Manures-	5	5	5	20	20	10	5	5	10	10	10	Soil-125 Water- Plant- Manures
Soil , Water, Plant, Manures Testing (No. of farmers benefitted)	Soil- Water- Plant- Manures-												
Soil , Water, Plant, Manures Testing (No. of villages covered)	Soil- Water- Plant- Manures-												
Mobile Agro-Advisory (No. of Messages)	15	20	15	15	15	15	20	15	20	20	15	20	200
Mobile Agro-Advisory (No. of Farmers)	300	400	300	300	300	300	400	300	400	400	300	300	4000

S. Leshmasari

Signature
Sr. Scientist cum Head