

Indian Council of Agricultural Research

Zonal Project Directorate, Zone-III

Umiam, Meghalaya

Format for Annual Action Plan Formulation of KVKs, Zone-III for 2013-14

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

Please furnish information in the prescribed format pertaining to mandated activities of your KVK targeted to be accomplished during 2013-14

Discipline: PBG

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

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

Mandated activities	Thematic Area	Details of Technology	Source and Year	Assess/ Refine	Area (in acre)	Location	Period and Duration	Number of trials/beneficiaries						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Varietal evaluation	1.Cultivation of hybrid rice Prima Test material N:P:K-80:40:40 kg Spacing:20 x 15 cm Check Var:Tamphaphou(AUR1) Seed rate:50kg/ha Fertilizer dose- N:P:K-60:40:40 Spacing-15x10 cm	ICAR(DRR) 2009	A	5	Wabagai, Kakching, Thoubal, Khongjom, Sekmai jin	June-July To Oct-Nov	3	-	3	7	-	7	10
		2.Cultivation of hybrid rice(Medium duration) Var-US312,316 Seed rate:15 kg/ha Seedling age:20-25 days No. of seedlings/hill-single Spacing: 20 x 15cm Fertilizer: 120N:40P:40K Check Var: RCM-9 Seed rate: 50kg/ha No. of seedlings/hill: 2 Fertilizer : 80N : 40P :40K Seedling age : 25-30 days Spacing: 15 x 10 cm	ICAR (DRR) 2011,2012	A	5	Thongjao, Kakching, waikhong, Thoubal	June-july to Oct-Nov	3	-	3	7	-	7	10

	<p>3.Cultivation of early maturing rice var RCM-13 Var: RCM-13 Seed rate – 50 kg/ha Seedling/hill -2 nos Age of seedling – 25 days Fertilizer dose – 60N:40P:40K Check Var: Pariphou Seed rate -50kg/ha Seedling age-25 days Seedlings/hill -2 nos Fertilizer ;60N:40P:40K</p>	ICAR Manipur Centre ,2010	A	6.25	Sekmajin ,Uchiwa,L eishangthem	June-july to oct	2	-	2	8	-	8	10
	<p>4.Cultivation of Hybrid maize HQPM-5 Seed rate: 20kg/ha Spacing : 60 x 20 cm(row x plant) Fertilizer: N:P:K-15:70:70 kg Seed treatment : Carbendazim + Captan 1:1 Check:- HQPM-1</p>	ICAR-2007	A	5	Irengband ,Kakching , Thoubal	Oct-April	2	-	2	8	-	8	10
Seed Production													
Integrated Weed Management													
Integrated Nutrient Management													
Integrated Water Management													
Tillage													

	Management/ Farm Machinery													
	Integrated Farming System/ Integrated Crop Management													
	Others (Pl. specify)													
Mandated activities	Thematic Area	Technology/Crop/Cropping system	Source and Year	Demon (No.)	Area (in acre)	Location	Period and Duration	Number of beneficiaries						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
Front Line Demonstration	Varietal evaluation	Hybrid rice prodn. Technology 6444,6444(G)	ICAR- 2009	10	5	Thoubal, Kakching, Thongjao, Sekmai jin ,Khongjo m	June-July to Oct-nov	2	1	3	7	-	7	10
		Hybrid rice prodn. Technology PAC-801	ICAR 2009	10	5	Waikhong ,Wangjing ,Langathel ,Langmei dong	June-July to October	2	1	3	7	-	7	10
	Seed Production	Seed prodn. of rice Var.Tamphaphou	CAU,200 7	10	6.25	Kakching, Thongjao, Thoubal, Wangjing	June-july to Nov							
	Integrated Weed Management													
	Integrated Nutrient	Nutrient Management in cabbage Var: Green Hero		5	5	Wabagai, Uchiwa,	Sept-Dec	1	-	1	4	-	4	5

	Management					Wangjing, Thoubal								
	Integrated Water Management													
	Tillage Management/ Farm Machinery													
	Integrated Farming System/ Integrated Crop Management	Innovative Farmers Method of Pea-Cabbage intercropping	Farmers innovation	10	2.5	Wabagai, Kakching, Thoubal, Khongjom ,Sekmai ji	Oct-Feb	2	1	3	4	3	7	10
	Others (Pl. specify)													

Mandated activities	Target group	Title of the training programme	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	Hybrid rice cultivation technology	June	1	Off	2	1	3	10	7	17	20	
		Seed prodn. technology in rice	July	1	Off	3	1	4	10	6	16	20	
		Nutrient mngt. in hybrid rice	Aug	1	Off	3	1	4	10	6	16	20	
		Cultivation of spring rice	Feb, March	1	Off	4	2	6	28	6	34	40	
		Nutrient mngt. In spring rice	April	1	Off				15	5	20	20	
		Scientific cult. Of HQPM	Feb-Mar	1	Off	6	2	8	20	12	32	40	
		Scientific Cabbage cultivation	Sep	1	Off				15	5	20	20	
		Scientific cultivation of garden pea	Oct	1	Off				16	4	20	20	
	Storage of seed	Dec	1	Off				15	5	20	20		
	Rural Youth	Seed Prodn in rice	Sep	1	Off	2	1	3	14	3	17	20	
		Hybrid seed prodn. technology on tomato & brinjal	March, April, May	1	Off	7	3	10	40	10	50	60	
		Harvesting of seed	Sep	1	Off				15	5	20	20	
	Extension Personnel	Seed Production technology in diff. crops	June,	1	On	4	1	5	14	1	15	20	
	Civil Society												
	NGO												
Others (Pl. specify)													

Vocational training programmes	Farmer and Farm women												
	Rural Youth												
	Extension Personnel												
	Civil Society												
	NGO												
	Others (Pl. specify)												
Sponsored training programmes													Sponsoring authority
	Farmer and Farm women												
	Rural Youth	Seed prodn.	July	1	On	5	1	6	12	2	14	20	ATMA,Thoubal
	Extension Personnel	Seed Prodn.	Aug	1	On	-	-	-	15	5	20	20	NFSM,Manipur
	Civil Society												
	NGO	Hybrid seed prodn. in Tomato,Brinjal & Chilli	Aug.	1	On	3	1	4	10	6	16	20	Seed distributor
Others (Pl. specify)													

Mandated activities	Specific activity	Number of activities	Period of the year	Duration (in days)	Number of beneficiaries						Remarks	
					SC/ST			General				Grand Total
					M	F	Total	M	F	Total		
Extension Activities	Diagnostic visit	40	April-March	1	20	10	30	35	5	40	70	Beneficiaries no. may not be to the target .It may be more
	Advisory services	50	-do-	1								
	Training Manual	15	April-march	1	50	20	70	150	80	230	300	
	Celebration of Important days											
	Exhibition	2	Feb-march	1								
	Exposure visit	2	October, Feb	1	10	4	14	22	4	26	40	
	Extension literature											
	Farm Science Clubs' Convenors meet											
	Farmers' Seminar	1	Feb	1	3	-	3	15	2	17	20	
	Farmers' visit to KVKs	40	April-mar	1	10	-	10	30	-	30	40	
	Field day	1	Nov	1	2	1	3	14	3	17	20	
	Film show											
	Kishan Goshthi											
	Group Meeting	3	April,June, March	1	6	3	9	42	6	51	60	
Kishan Mela	1	Jan	2	10	5	15	30	10	40	55		

	Lecture delivered	20	April-March	1								
	Method demonstration	2	June	2				10	5	15	15	
	Scientists' visit to farmers' field	30	April-March	1	10	5	15	100	50	150	165	
	Workshop											
	Awareness camp											

SEED PRODUCTION

Crop	Variety	Quantity (qt)		Type of seed	
		Target	Achievements	Certified	Foundation
Rice	Tamphaphou	20		15	5

Activity Calendar

Month	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Activity		Trg. on hybrid seed prodn. in Tomato & Chilli	Trg. Hybrid rice cultivation technology, Nutrient mngt in rice.	Trg. Hybrid rice cultivation technology, seed prodn in rice	Trg. nutrient mngt. in rice, seed prodn in rice.	Trg. on Seed prodn. in rice, cabbage cultivation	Trg. Scientific intercropping of pea & cabbage	Trg. on harvesting of rice seed	Trg. on storage of seed	Trg. spring rice & its cultivation	Trg.- Cultivation practices of spring rice	Trg. Nutrient mngt. in rice	
	Diagnostic visit to OFT & FLD field	-do-	Group meeting for farmer & site selection	Method demo. on top working of mango	T.V talk on cultivation of hybrid rice	Group meeting for farmer & site selection				Group meeting for farmer & site selection	1.OFT-cultivation of hybrid maize HQPM-5 2.OFT on spring rice-RCM-13 3.Diagnostic visits		
	Prepn. of trg. manual	Lecture on hybrid rice technology	1.OFT on hybrid rice Prima & US-312,316 2.FLD –on 6444,6444(G),80 3.FLD on seed prodn . of tampha phou 4.Diagnostic visits						TV. Talk on pea & cabbage			Radio Talk on spring rice	
		Method Demonstration on Emasculation of tomato & brinjal				T.V talk on nutrient mg. in cabbage & cauliflower	.FLD on pea + cabbage Diagnostic visits					Report Preparation	

Discipline: Agronomy

Name of the concerned Subject Matter Specialist :...N.Tomba Singh..... **Contact No:...**0-9774753244.....

E-mail address:.....

Mandated activities	Thematic Area	Details of Technology	Source and Year	Asses s/Ref ine	Area (in acre)	Location	Period and Duration	Number of trials/beneficiaries						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Varietal evaluation													
	Seed Production	Seed prodn. Of paddy var Tampha Spacing-20x15 cm Age of seedling-20 days No. of seedlings/hill-1 Fertilizer dose-60:40:30 kg NPK/ha Weedicide used-Pyrazosulfuron Ethyl10%@160gm/ha Rogueing-From tellering to harvesting Isolation distance- 3 metre Crop alley- 10 metre interval Check:-Conventional system of transplanting	CAU, 2007	A	6	Wangbal,Wangjing,Kiyam Siphai,Thongjao,Khangabok,Khongjom,Elan gkhangpokpi,Waikhong,Charangpat,Sabaltongba	June/ July to Oct -Nov 130 days	2		2	8		8	10
	Integrated Weed Management	Weed mgt. in pigeonpea Pendimethalin@0.75kg aspreemergence Weedicide-Pendimethalin(Stomp 30EC) Dose-0.75 kg/ha Time of appli-Pre-emergence at 2 DAS	PAU,Ludhiana, 2008	A	3	Thoubal khunou,Waithou,Lang thabal,Langathel,Uyan ,Khoirom,Wangmataba,Waikhong	May/ June to sept-oct. 130 - 140 days	3	-	3	7	-	7	10

	Type of nozzle-Flood jet nozzle Quantity of water-500 lts. Check:-Conventional unweeded/Hand weeding													
Integrated Nutrient Management														
Integrated Water Management														
Tillage Management/ Farm Machinery														
Integrated Farming System/ Integrated Crop Management	Cultivation of soybean in raised bed. Var- JS-335 Method of sowing-Raised bed(67.5 cm wide) Fertilizer dose:-30:60: kg N:P/ha Check:-conventional flat bed planting	PAU,Ludhiana, 2011	A	6	Waikhong,Lanmeith ek,Langthabal,Wang mataba,Langathel,Waithou	May to Aug, 120 days	1	-	1	7	2	9	10	
	Cultivation of sugarcane in ring-pit method Size of pit-90 cm diameter Plot size-120 x 120 cm Depth of the pit-45 cm FYM & Fertilizer application-Basal application at planting Arrangement of setts:-Twenty two 2 budded setts arranged horizontally in a cycle wheel spoke like designed at the bottom of the pit for cone planting. Application of chloropyriphos(20% EC) @ 5 litre/ha before planting in setts to control shoot borer &	IISR,Lucknow,2004	A	6.25	Keirak,Kakching,Langthabal	April-May to April-may 12 months	2	-	2	1	-	1	3	

		termite. Check:-conventional flat planting method.												
	Others (Pl. specify)	Cultivation of winter maize using southern slope planting Method of planting-Bed method. Orientation of bed-East to West Seed sowing-Sowing on the Southern slope 6.7cm above the base. Spacing-67.5 cm x 15 cm Check:- Conventional broadcasting in flat bed.	PAU,Ludhiana, 2010	A	6.25	Waithou,Kiyamsiphai,Lanmeithek, Waikhong,Khongjom,Kakching,Wangjing,Langathel	Oct/Nov to Jan-feb, 110 days	2	-	2	8	-	8	10
Mandated activities	Thematic Area	Technology/Crop/Cropping system	Source and Year	Demon (No.)	Area (in acre)	Location	Period and Duration	Number of beneficiaries						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
Front Line Demonstration	Varietal evaluation													
	Seed Production													
	Chemical Weed Management	Rice/chemical weed mgt. in wet seeded rice using Pyrazosulfuron Ethyl 10% only @160gm/ha using crop alley system	IARI, 2008	10	6.25	Lilong,Haokha,LeitanNK,Wangmataba,Wangjing, Sabaltongba,Ningombam,Khongjom, Thongjao,Heirok	June to Oct-Nov-130 days	2	-	2	8	-	8	10
	Integrated Nutrient Management	Maize/INM in maize using azospirillum & 50% of RD of NPK 50:40:30 kg/ha	Regional biofertilizer development	10	6.25	Serou,Waikhong,Umathel,Kakching Khunou, Langthabal,Lanmeithek,Heirok,Yairi	May-June to Aug-Sept 110 days	2	-	2	8	-	8	10

			centre,M anipur,2 007			pok Khoirom, Thongjao,Nongpo k Sekmai								
	Integrated Water Management													
	Tillage Management/ Farm Machinery													
	Integrated Farming System/ Integrated Crop Management	Maize +blackgram Intercropping (1:2)	ICAR, 2007	10	6.25	Serou,Waikhong,U mathel,Kakching Kgunou,Langthaba l,Lanmeithek,Heir ok,Yairipok Khoirom,Thongjao ,Nongpok Sekmai	May-Aug 110 days				10	-	10	10
		SRI (System of Rice Intensification)	DRR, 2007	10	6.25	Nongpok Sekmai,Wangmata ba,Wangjing, Heirol,Langathel, Langthabal,Khongj om,Kakching,Char angpat,Lanmeithek	July-130 days	3	-	3	7	-	7	10
		Scientific Cultivation of Maize during spring/kharif & rabi	IARI, 2011	30	18.75	Serou,Waikhong, Umathel,Kakching Khunou, Langthabal,Lanme ithek,Heirol,Yairi pok Khoirom, Thongjao,Nongpo k Sekmai	Feb-march to June-july, May-june, to Sep-Oct Nov-Dec to Feb-Mar 110 days each	8	-	8	22	-	22	30
		Scientific cultivation of blackgram	ICAR, 2007	10	6.25	Waikhong,Umathe l,Nongpok sekmai, Thongjao, Heirol,Wabagai,S	May-June to Aug-Sep 80 days	2	-	2	8	-	8	10

						ekmaijin,Langmei dong,Langathel, Khongjom								
		Scientific cultivation of pea	ICAR, 2007	10	6.25	Wabagai,Kakching ,Khongjom,Langat hel,Tentha, Wangjing, Sekmaijin	Oct-Nov to Feb-Mar 130 days	3	-	3	7	-	7	10
		Scientific cultivation of Mustard	ICAR, 2007	10	6.25	Khongjom,Athokp am,Kiyam Siphai,Kakching, Wangjing,Langtha bal,Sabaltongba,Ni ngombam,Khekma n,Yairipok	Oct-Nov to Feb-mar 90-110 days	3	-	3	7	-	7	10
		Scientific cultivation of soybean	ICAR, 2007	10	6.25	Waikhong,Langath el,Langthabal,Heir ok,Wabagai, Kakching,Lanmeit hek,Yairipok,Thou bal Khunou,Wangmat aba	May-Sep 110 days	2	-	2	8	-	8	10

Mandated activities	Target group	Title of the training programme	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	i)Trg. On Prodn of organic inputs	April,Jan	1	Off				25	15	40	40	
		ii)Cultivation of oilseeds & pulses	May,Oct,Nov		"	15	5	20	30	10	40	60	
		iii)Nursery raising of rice	May		"				15	5	20	20	
		iv)Nutrient mgt. in rice	June		"				30	10	40	40	
		v)Seed prodn. of rice	June,Oct		"	15	5	20	15	5	20	40	
		vi)Scientific cultivation of blackgram	June		On	5	-	5	15	-	15	20	
		vii)Scientific cultivation of rice	July		On	3	-	3	17	-	17	20	
		viii)Integrated Nutrient mgt	Aug.		On	3	-	3	17	-	17	20	
		ix)Scientific cultivation of potato.	Oct		Off	3	-	3	17	3	20	20	
		x)Cultivation of rabi oilseeds & pulses	Oct,Nov		Off	15	5	20	17	3	20	20	
		xi)Green manuring & its importance in nutrient mgt.	March		off				15	5	20	20	
	Rural Youth	i) Integrated farming	July	1	on	5	-	5	12	3	15	20	
	Extension Personnel	Productivity enhancement in field crops.	Dec.	1	on				18	2	20	20	
	Civil Society												
	NGO	i)Crop diversification	Sept	1	On				18	2	20	20	
		ii)Used of organic inputs	Feb	1	off				20	-	20	20	
	Others (Pl. specify)												

Vocational training programmes	Farmer and Farm women	i)organic farming	April	1	off				15	5	20	20	
	Rural Youth	i)Organic farming ii)Composting	April July	1	On	2 3	- -	2 3	18 17	- -	18 17	20 20	
	Extension Personnel												
	Civil Society												
	NGO	Seed prodn, in rice,pulses & oilseeds	June	1	off	18	2	20	15	5	20	40	
	Others (Pl. specify)												
Sponsored training programmes													Sponsoring authority
	Farmer and Farm women	i)Scientific cultivation of rice,pulses & oilseeds	May,Oct	1	on	5	2	7	20	13	33	40	ATMA, Thoubal
	Rural Youth	Organic farming	Nov	1	Off	2	-	2	14	4	18	20	DRDA, Thoubal
	Extension Personnel												
	Civil Society												
	NGO	SRI	June	1	Off	2	2	4	10	6	16	20	IRDSO Wangjing
Others (Pl. specify)													

Mandated activities	Specific activity	Number of activities	Period of the year	Duration (in days)	Number of beneficiaries						Remarks	
					SC/ST			General				Grand Total
					M	F	Total	M	F	Total		
Extension Activities	Diagnostic visit	50	April-march	1	10	2	12	40	8	48	60	
	Advisory services	60	April-March	1	7	3	10	40	10	50	60	
	Training Manual	10	April-Mar	1	40	30	70	100	30	130	200	
	Celebration of Important days	3	5 June 16 th Oct 23 rd Dec	1	18	5	23	32	5	37	60	
	Exhibition											
	Exposure visit	2	Oct & march	1	6	-	6	34	-	34	40	
	Extension literature	5	April to march	-								
	Farm Science Clubs' Convenors meet											
	Farmers' Seminar	1	Nov	1	2		2	18	-	18	20	
	Farmers' visit to KVKs	50	April-March	1	10	-	10	40	-	40	50	
	Field day											
	Film show	1	Oct	1	4	-	4	16	-	16	20	
	Kishan Goshthi											
	Group Meeting	2	July & Oct	2	6	-	6	14	-	14	20	
Kishan Mela												

	Literature delivered	10	April-March	1								
	Method demonstration	8	April-june Nov-Jan	1	5		5	15		15	20	
	Scientists' visit to farmers' field	40	April-Mar	1	10		10	30		30	40	
	Workshop	1	Nov	1	2		2	8		8	10	
	Awareness camp	1	Feb	1	9		9	19	3	21	30	

SEED PRODUCTION

Crop	Variety	Quantity (qt)		Type of seed	
		Target	Achievements	Certified	Foundation
Rice	Tamphaphou,RCM-9, Pariphou,Leimaphou,Akutp hou,Sanaphou	60		Certified	

Activity Calendar

Month	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Activity	Trg. on prodn. of organic input,organic farming.	Trg. on cultivation of pulses & oilseeds,nursery raising of rice,cultivation of pulses & oilseeds	Trg. On seed prodn. in pulses,rice & oilseeds,nutrient mgt. in rice,seed prodn. of rice & scientific cultivation of blackgram	Trg. On Integrated Farming &scientific cultivation of rice ,composting	Trg. on INM	Trg. on prodn. of organic inputs,crop diversification	Trg. on cultivation of Potato,rabi pulses & oilseeds,seed prodn. of rice,Integrated farming	Trg. on cultivation of rabi-pulses oilseeds,crop diversification.	Trg. on productivity enhancement in field crops	Trg. on seed prodn of crops,prod n & use of organic inputs	Trg. on use of organic inputs to NGO personal,c ultivation of pre-kharif rice	Trg. on green manuring & its importance in nutrient mgt.
2. OFT on sugarcane												
Visit to FLD field(spring maize)			1.OFT on seed prodn of rice 2.FLD on SRI & weed management									
Extension literature on modified mat nursery on hybrid rice		1.OFT on Soyabean 2.FLD on kharif maize					1.OFT on winter maize 2.FLD on Rabi maize					Extension literature Nutrient mngt. On Zero tillage mustard.
OFT on weed mgt. in pigeon pea							1.FLD on mustard 2.FLD on pea					
Method demo. on ring pit method of sugarcane cultivation.		FLD on maize + blackgram FLD on blackgram FLD on INM in Maize				Ext. literature on used of Pyrazosulfur on Ethyl10% on weed cntrl in wet seeded rice		Method demo. on adjustable row marker,biofertilizer treatment , fertilizer broadcaster		Ext. literature Used of organic manure & composting		

	Planning for farmer & site selection for OFT & FLD.		Celebration of world Env. Day			Planning for farmer & site selection for OFT & FLD.	Celeb. Of World Food Day		Celeb. Of Farmers Day	Method demo. on urea foliar spray in mustard crop.		
		Sponsored trg. on Scientific cultivation of rice.	Dev. Of trg. manual on INM				Film show on scientific cultivation of rice					
			Method demo. on rice drum seeder.	DDK prog. on cultivation of soyabean			Group meeting on techniques of rice cultivation.					
			Sponsored trg on SRI for NGO personel	Group meeting on used of weedicide.								

Discipline: Horticulture

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

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Mandated activities	Thematic Area	Details of Technology	Source and Year	Assess/ Refine	Area (in acre)	Location	Period and Duration	Number of trials/beneficiaries						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Varietal evaluation	Water melon var. Arka Akash Spacing: 3.5 x 3 m Seed rate: 3-4 kg/ha	IIHr,2009	A	3	Wamgjing, Heirok, Kho ngjom, Lang athel, Waik hong, Tokp aching, wan goo	Jan-April	2	2	4	6	-	6	10
	Integrated Nutrient Management	INM of Cauliflower Var: White Flash Spacing: 60 x 60 cm Date of sowing: 1st week of Sep Date of Transplanting: 1 st week of Oct Nutrients : Inoculation of PSB 1 + 100 % phosphorus + RD of NPK(120:100:120)kh/ha	Dr. Y.S.Par mar University of Horticultur e and Forestry, Nauli, Solan 2012	A	3	Tekcham, Sapam, Wabagai, Chirapur, Uyal, Char angpat	Sep-Dec				8	2	10	10
	Integrated Weed Mangement													
	Orchard													

Rejuvenation														
Post Harvest Processing/ Value Addition														
Canopy mgmt.														
Landscaping														
Mechanization														
Any other (Pl. Specify)	Nutrient Management in Cabbage Used of Nitrogen and biofertilizer of cabbage Var: Rare Ball Spacing: 60 x 45 cm Time of planting: Aug. Nutrients : 150kg of nitrogen + PSB	College of Horticulture and Forestry, Jhalawar (Rajasthan) 2012	A	3	Elangkhan gpokpi, Moijing, Pangantabi, Tentha	Aug-Nov	4	-	4	4	2	6	10	
	Used of organic amendment(Vermicompost) only in the quality prodn of tomato Seed rate : 200gm/ha Spacing: 60 x 30 cm Nutrient : Vermicompost 10 t/ha Other package of practices as recommended.	Dr.Y.S.Parmar Univ. of Hort & Forestry, Solan, 2012	A	2	Wabagai, Kakching, Wangjing, Kiyam Siphai, Liling	Feb-May	-	-	-	5	-	-	5	

Mandated activities	Thematic Area	Technology/Crop/Cropping system	Source and Year	Demon (No.)	Area (in acre)	Location	Period and Duration	Number of beneficiaries						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
Front Line Demonstration	Varietal evaluation	Performance of French bean. Var Arka Sharath	IIHR,2010	10	3	Langathel ,Tentha,K eirak, Yangdog	Jan-Mar				8	2	10	10
	Integrated Nutrient Management	Cabbage Azotobactor , Phosphotica 2kg/ha & NPK 120:100:120 kg/ha ,25t/ha FYM	CAU 2008	10	3	Heiropk ,Usoipokpi,Umathel ,Wangjing,Mojjing	Aug-Nov				7	3	10	10
	Integrated Weed Mangement	Onion- Oxyfluorfen o.25kg/ha ,Hand weeding at 40 DAT	Dr.Y.S.P armar Universit y of Horticult ure and Forestry, Solan 2002	10	3	Nongpok Sekmai, Thoubal, Kakching ,Sekmaiing	Oct-Feb	2	-	2	6	2	8	10
	Orchard Rejuvenation													
	Post Harvest Processing/ Value Addition													
	Canopy mgmt.													
	Landscaping													

	Mechanization													
	Any other (Pl. Specify)													
Mandated activities	Target group	Title of the training programme	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.Nursery management of horticultural crops. 2.Exotic vegetable prodn. 3.Off season veg. production 4.cultivation of fruit crops.	August	1 each	Off	-	-	-	40	20	60	60		
			Nov		Off	16	4	20	-	-	20			
			Feb		On	15	5	20			20			
			April		off	-	-	-	8	12	20	20		
	Rural Youth	1.Training & pruning of orchards 2.Nursery management of horticultural crops 3.commercial fruit production 4.Planting material production	May	1	Off				15	5	20	20		
			Sept	1	Off				7	13	20	20		
			March	1	Off				10	10	20	20		
			Oct	1	off				8	12	20	20		
	Extension Personnel	Rejuvenation of old orchards	May	1	on				15	5	20	20		
	Civil Society	Grading & standardization of	Jan	1	off				16	4	20	20		

		vegetable crops.												
	NGO	Plant propagation techniques	june	1	off	10	10	20					20	
	Others (Pl. specify)													
Vocational training programmes	Farmer and Farm women	Post harvest technology & value addition of spices	March, April	1	on				10	10	20	20		
	Rural Youth	Production & management technology of tuber crops	June	1	on				15	5	20	20		
	Extension Personnel	Production of export potential ornamental plants	Jan	1	on				14	6	20	20		
	Civil Society	Off season veg. prodn.	April	1	On	-	-	-	10	10	20	20		
	NGO	Protective cultivation(green house,shade net,etc)	Dec	1	On	-	-	-	12	8	20	20		
	Others (Pl. specify)													

Sponsored training programmes													Sponsoring authority
	Farmer and Farm women	Production & Management tech. of spices	Jan	1	On	10		10	8	12	20	20	ATMA
	Rural Youth	Mushroom production	Dec	1	On	10	10	20				20	Horticulture dept., Thoubal
	Extension Personnel	Integrated INM	Feb	1	On				12	8	20	20	-do-
	Civil Society	Propagation techniques of ornamental plants	Mar	1	On				15	5	20	20	-do-
	NGO												
Others (Pl. specify)													
Mandated activities	Specific activity	Number of activities	Period of the year	Duration (in days)	Number of beneficiaries							Remarks	
					SC/ST			General			Grand Total		
					M	F	Total	M	F	Total			
Extension Activities	Diagnostic visit	40	April-march	40	13	7	20	8	12	20	40		
	Advisory services	20	April-feb	20	5	5	10	8	2	10	20		
	Training Manual	15	April-march	15	6	2	8	5	2	7	15		
	Celebration of Important days												

Exhibition												
Exposure visit	2	Sept-oct	2	13	7	20	10	10	20	40		
Extension literature	5	Aug										
Farm Science Clubs' Convenors meet												
Farmers' Seminar												
Farmers' visit to KVKs	40	April-march	40	11	9	20	10	10	20	40		
Field day												
Film show												
Kishan Goshthi												
Group Meeting	1	Sept	1				11	9	20	20		
Kishan Mela												
Literature delivered												
Method demonstration	6	Nov-jan	3	25	15	40	12	8	20	60		
Scientists' visit to farmers' field	30	April-march										
Workshop												
Awareness camp												

Planting materials/ Seed production: (Vegetable/ Species)

Crop/ Trees	Variety	Quantity (No/ qt)	
		Target	Achievements
Cabbage	Green Hero & Rare Ball	2,20,000	
Orange	Local variety	1,50,000	
Tomato	Abhishek	2,20,000	
Ornamental crops	Bougainvilla	2,000	
Spices	Onion	2,50,000	

Activity Calendar

Month	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Activity	Trg. on post harvest technology & value addition & off season veg. prodn.	Trg. on Training and pruning of fruits	Trg. on production & management of tuber crops	Trg. on cultivation of fruit crops	Trg. on nursery Management	OFT on INM of Cauliflower-Innoculation of PSB1 + 100% Phosphorus + RD of NPK				Trg. on Grading & of veg. crops.	Trg. on Propagation technique of ornamental plants	Trg. on Post harvest tech. of value addition,
	Diagnostic visit	Trg. of extension personel on rejuvenation of old orchards	Method demo. On mushroom prodn. tech.	Method demo. On propagation of fruit crops	FLD on cabbage prodn-INM			Method demo. On nursery management using plug trays	FLD of French Bean-varietal evaluation			
	Vocation trg on civil society on off season veg. prodn.	3.Diagnostic visit	Trg. to NGO personel on Plant prop. Tech.	Diagnostic visit		Trg. on nursery Management	FLD on Onion-IWM				Data collection & report preparation.	
	Trg.-Post harvest technology	4. Method demo. On seed treatment of veg. crops	Diagnostic visit		OFT on cabbage-used of nitrogen & biofertilizer			Trg. on Protective cultivation ,Mushroom prodn.	Trg. on production & export of potential ornamental plants	OFT-Tomato use of organic amendment(vermicompost only in quality prodn.		
							Trg. on planting material production	Method demo. on nursery bed preparation	Planning of OFT	OFT-Watermelon varietal evaluation		

Discipline: Plant Protection (Plant Pathology)

Name of the concerned Subject Matter Specialist:.....Dr.M.Thoithoi Singh..... Contact No:0-9856282339.....

E-mail address:.....thoithoi_pp@yahoo.co.in.....

Mandated activities	Thematic Area	Details of Technology	Source and Year	Assess/Refine	Area (in acre)	Location	Period and Duration	Number of trials/beneficiaries						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Insect Pest Mgmt	Bitter gourd-Mgmt. of pumpkin beetle,fruit borer,leaf miner,melon fruit fly, with Chlorantraniliprole 20%SC	TNAU, 2011	A	3	Salungpham,Wangjing,Khebaching, Khongjom,Sugnu	April-July 4 months	1	1	2	2	3	3	8
		Rice-Mgmt. of plant hoppers with imidachloprid 40% & Ethiprole 40%-80%WG	RRI,AP, 2012	A	4	Thongjao ,Lilong Ushoipokpi,Wangkhem,Charangpat	July-Nov 5 months	2	2	4	3	3	6	10
	Disease Mgmt	Banana-Mgmt. of leaf spot & leaf blight disease with validamycin and Cymoxanil + Mancozeb.	Navsari Agri. Univ. Gujarat ,2010	A	4	Thoubal, Wangoo, Tokpaching,Laipham	July-Nov 6 months	2	2	4	3	3	6	10

						Loknung								
Biological control (Insect/pest/ weeds etc)	Brinjal-Nematode and Bacteria complex management with biocontrol agent <i>Trichoderm Harzianam</i> and <i>Pseudomonas fluorescens</i>	AAU,20 09	A	3	Lilong,M aibam,Ke irak,Kaire mbikhok	May-Aug 5 months	2	1	3	2	3	5	8	
Product evaluation (Efficacy)														
Beneficial insects														
Other beneficial organisms														
Store grain pest														
Others (Pl. specify)														

Mandated activities	Thematic Area	Technology/Crop/Cropping system	Source and Year	Demon (No.)	Area (in acre)	Location	Period and Duration	Number of beneficiaries						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
Front Line Demonstration	Integrated Pest Mgmt	Onion-Maize as trap crop for thrips	NHR& D Nasik, 2011	8	2	Papal,Chara ngpat,Kakch ing,Tentha	Oct-March 6 months	1	1	2	3	3	6	8
		Cabbage-Diamond Back Moth management with Pheromone trap.	PCI,2010	10	5	Wangjing,W abagai,Kakc hing,Lilong	Dec-March 4 months	-	2	2	5	3	8	10
	Insect pest Mgmt	Chilli-Fruit borer mgmt. with Indoxacarb 15%SC	RARS,Gu ntur, 2011	8	3	Wangkhem, Waithou,W abagai,Char angpat	April-June 3 months	-	-	-	4	4	8	8
		Brinjal-fruit borer mgmt. with Cypermethrin.	MPUA&T ,2010	8	3	Maibam,Wa bagai,Keirak ,Wangjing	April-July 3 months	2	1	3	3	2	5	8
	Biological control (Insect/pest/ weeds etc)	Maize-Pearl millets & Sorghum as crop Lure for pest bird mgmt.	PAU- 2010	8	5	Sugnu,Wan goo,Serou, Wabagai,Ka kching	May-Aug 3.5 months	2	2	4	2	2	4	8
	Product evaluation (Efficacy)													
	Beneficial insects													
	Other beneficial organisms													

	Store grain pest													
	Others (Pl. specify)													
Mandated activities	Target group	Title of the training programme	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	i)Pheromone traps for DBM & Cucurbits	April	1 each	Off	15	5	20	15	5	20	40	To be conducted at 2 diff. places.	
		ii)Lure crops to protect Maize from pest birds	May			-	-	-	30	10	40	40		
		iii)Use of biocontrol agents for nematodes & bacterial disease of Brinjals	Sept.				-	-	-	30	10	40		40
		iv)Use of Pheromone traps for Brinjals	Aug.				15	5	20	15	5	20		40
		v)Pest mgmt. for Banana.	Sept.				15	5	20	15	5	20		40
		vi)Mgmt. of rice plant hoppers.	Oct.				15	5	20	30	10	40		60
	Rural Youth	i)Mushroom Cultivation	Aug.	3	ON	15	5	20	30	10	40	60		
Extension Personnel														
Civil Society														

	NGO													
	Others (Pl. specify)													
Vocational training programmes	Farmer and Farm women													
	Rural Youth													
	Extension Personnel													
	Civil Society													
	NGO													
	Others (Pl. specify)													
Sponsored training programmes														Sponsoring authority
	Farmer and Farm women													
	Rural Youth	Role of Pesticide/agrochemical retailers in Agriculture	June	2	On	10	-	10	20	-	20	30	Southern Agro Agency, Imphal	
	Extension Personnel	Techniques of identification & pest management of rice.	Aug.	2	On	5	5	10	10	10	20	30	DOW Agro Science	

	Organic & inorganic pesticides for rabi crops	Sept.	2	On	5	-	5	15	5	20	25	Panthoibi seeds, Imphal
Civil Society												
NGO												
Others (Pl. specify)												

Mandated activities	Specific activity	Number of activities	Period of the year	Duration (in days)	Number of beneficiaries						Remarks	
					SC/ST			General				Grand Total
					M	F	Total	M	F	Total		
Extension Activities	Diagnostic visit	36	3 in each month								Number of beneficiaries may differ from time to time	
	Advisory services											
	Training Manual											
	Celebration of Important days											
	Exhibition	1	Aug									
	Exposure visit	2	Nov	2								
	Extension literature	12	Every month									
	Farm Science Clubs' Convenors meet											
	Farmers' Seminar	1		1								
	Farmers' visit to KVKs											

Field day	1	Nov										
Film show												
Kishan Goshthi												
Group Meeting												
Kishan Mela												
Lecture delivered	As per demand											
Method demonstration												
Scientists' visit to farmers' field												
Workshop												
Awareness camp												

Biogenesis/ Production of Bio-agents:

Product	Quantity (No/ qt)	
	Target	Achievement

Activity Calendar

Month	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Activity	OFT-1 Insect pest Mgmt. of bitter Gourd				Trg. on Mushroom cultivation	Trg. on Org. & Inorganic pesticides for rabi crops	FLD-1 Onion-maize as trap crop for thrips					
	FLD-3 on Chilli-fruit borer mgmt. With Indoxcarb.			OFT 2-Mgmt of Rice plant hoppers with Imidachloprid 40% + Ethioprole 40%-80% W			FLD 2 on cabbage-Pheromone trap for DBM					
	Trg. On “Pheromone trap for DBM”	Trg. on “Lure crops for pest birds”	Trg. on “Role of pesticides retailers in agriculture”	OFT 3 on Banana-leaf spot & blight mgmt. with validomycin & Mancozab + Lymoxani								Data Analysis & Report preparation
		FLD -4 Maize Lure crops for pest birds				Trg. “Pest Mgmt. for Banana”	Trg.- “Mgmt. of rice plant hoppers”		Planning for OFT for the year 2014-15		Publication of literature	
	FLD 5- Brinjal fruit borer mgmt				Trg.-Use of pheromone traps for Brinjals	Trg.-Use of biocontrol agents for nematode & bacteria	OFT-4 Brinjal-Nematode & Bacterial wilt mgmt.					
					Trg.-Tech. of identification & pest mgmt. of rice.			Field Day				Planning for FLD for next year 2014-15.

Discipline: Animal Husbandry

Name of the concerned Subject Matter Specialist:....Dr. Sarangthem Zeshmarani..... Contact No:....0-9856116270.....

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

Mandated activities	Thematic Area	Details of Technology	Source and Year	Ass ess/ Refi ne	Area (in acre)	Location	Period and Duration	Number of trials/beneficiaries						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Breed introduction													
	Breed improvement													
	Feeding management	1)Effect of garlic feeding on growth performance of broiler Amount of garlic/100kg of feed-300 g Parameters to be assessed: i)Weekly weight upto 8 weeks ii)weekly mortality	MAFSU Parbani , 2010	Ass ess	-	Wangjing ,Wangbal ,KVK farm,Thoubal,Yairipok	June to September '2013				2	3	5	5
		2.) Production and economic analysis of small scale Broiler farming Parameters to be observed i. Overall feed intake from 1-7 th week ii.Overall Feed efficiency iii. Overall mean mortality rate from 1-7 th week iv. Body wt gain from 1-7 th week v. Cost of production per broiler Net return per broiler	WBUAF sc,2010	Ass ess		Wangbal, Khangabok,Wabagai,Keirak,Thoubal,KVK farm	July to Feb '13				3	3	6	6

Healthcare	Effect of deworming & vitamin mineral supplements on preweaned growth performance of local goat of Manipur i)Periodical deworming ii)Mineral & vitamin supplement iii)Weaning age-3 mths Parameters to be assessed:- a) Weekly body growth b) Weekly body measurement c) Mortality	KVK,Nadia West Bengal, 2010	Assess		Usoipokpi,Thoubal ,KVK farm Lilong	June to Sept'13				3	3	6	6
Housing	Comparativ study on growth and production of Giriraja, Vanaraja and Desi Chicken under semi Intensive system of rearing:- i)Housing-Backyard/semi intensive ii)Feeding-Feeding with locally available feeds iii)Parameters to be assessed:- i) monthly body wt & mortality ii)Egg production iii)Hatchability iv)B:C ratio	WBUAFsc,2011	Assess	-	Thoubal, Khangabok,KVK Farm,Khongjom, Sekmai jin	June to Febuary'13				3	4	7	7
Processing/ Value addition													
Fodder production and quality enhancement													
Pasture management													
Integrated	Economics of Duck cum Fish farming Parameters:-	KVK,Thoubal	Assess	-	KVK Farm,Wa	August to Feb;14	1	-	1	3	2	5	6

	Farming System	i)No. of Duck-200/ha pond ii)Breed-Khaki Canpbell iii)No. of Fingerlings-10,000/ha Parameters to be assessed:- i)B:C ratio	Manipur,2012			ithou,Komnao,Wabagai,Tekcham								
Mandated activities	Thematic Area	Technology/Crop/Cropping system	Source and Year	Demon (No.)	Area (in acre)	Location	Period and Duration	Number of beneficiaries						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
Front Line Demonstration	Breed introduction	Productive and Reproductive performance of Broiler rabbit	WBUAFSc 2007	7		Wangbal, Wangjing, Thoubal, Khangabok	June to Feb	2		2	3	2	5	7
	Breeding management	i. Synchronisation and fixed time insemination	ICAR ,2008	10		Thoubal,kakching,pallel,Charangpat	September to february	1	1	2	6	2	8	10
		ii.Early weaning in piglet to reduce farrowing interval	Icar,2008	10		Thoubal, wangjing, kakching, charangpat, Tekcham	august to February	1	-	1	7	2	9	10
	Feeding management	Production performance of Muskovy duck using locally available feeds	CAU,2009	10		Khangabok ,Thoubal,wangbal,usopokpi	June to February				5	5	10	10
	Healthcare													

Housing	i.Provision of guard rails in pig sty	CAU,2009	10		Thongjao wangjing thoubal yairipok	July to December	2	1	3	5	2	7	10
	ii. Comparative study on production performance of broiler using paddy husk and paddy straw	GAD,Vety& Animal Sc. Ludhiana, 2010	7		KVK, Wangjing khangabok Thoubal	June to November				4	3	7	7
Processing/ Value addition													
Fodder production and quality enhancement													
Pasture management													
Others (Pl. specify)													

Mandated activities	Target group	Title of the training programme	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	i. Value addition of milk	April	1	Off				13	7	20	20	
		ii. Importance of synchronisation in sow	June	1	On	5	2	7	10	3	13	20	
		iii. Common diseases of swine & their treatment	August	1	Off				13	7	20	20	
		iv. Common diseases of cattle & their treatment	September	1	Off				15	5	20	20	
		v. Common diseases of poultry & their treatment	December	1	off				12	8	20	20	
	Rural Youth	i. Duck cum paddy cultivation	May	1	On				12	8	20	20	
		ii. Scientific management of Pig	July	1	Off				16	4	20	20	
		ii. Scientific Goat farming	August	1	On	3	3	6	10	4	14	20	
	Extension Personnel	iii. Profitable dairy farming	October	1	off				15	5	20	20	
		i. Integrated livestock Farming in watershed management	June	1	On	2	2	4	10	6	16	20	
	Civil Society	ii. prospect of organic poultry production	January	1	off	3	2	5	12	3	15	20	
		i. Scientific broiler farming	July	1	Off				15	5	20	20	
	NGO	ii. Care and management of piglet	May	1	on				12	8	20	20	
		i. Use of non conventional feed for feeding livestock	November	1	Off				13	7	20	20	
		ii. Preservation of milk to prevent from spoilage	February	1	off				15	5	20	20	

	Others (Pl. specify)													
Vocational training programmes	Farmer and Farm women													
	Rural Youth													
	Extension Personnel													
	Civil Society													
	NGO	Scientific Geese Farming	September	2	off				10	10	20	20		
	Others (Pl. specify)													
Sponsored training programmes														Sponsoring authority
	Farmer and Farm women	Feeds & feeding management of broiler bird	July	1	On	3	2	5	10	5	15	20		AMERICON
	Rural Youth	Scientific pig farming for income generation	November	1	on	4	2	6	12	2	13	20		ATMA
	Extension Personnel													
	Civil Society													
NGO														

	Others (Pl. specify)												
Mandated activities	Specific activity	Number of activities	Period of the year	Duration (in days)	Number of beneficiaries							Grand Total	Remarks
					SC/ST			General					
					M	F	Total	M	F	Total			
Extension Activities	Diagnostic visit	60	April to March	60	8	5	13	32	25	57	70		
	Advisory services	80	April to March	80	13	7	20	45	15	60	80		
	Training Manual	12	April to March										
	Celebration of Important days	World vety day	27 th April	1	10	2	12	13	7	20	32		
	Exhibition												
	Exposure visit	2	April to March	1	2	1	3	15	2	17	20		
	Extension literature	12	April to March										
	Farm Science Clubs' Convenors meet												
	Farmers' Seminar	1	August	1	2	1	3	12	5	17	20		
	Farmers' visit to KVKs	50	April to March	50	15	5	20	20	10	30	50		
	Field day	2	May September	2	7	3	10	20	10	20	40		
	Film show	1	November	1	2	1	3	15	2	17	20		

Kishan Goshthi												
Group Meeting	2	July December	2	8	2	10	20	10	30	40		
Kishan Mela												
Lecture delivered	5	April to March	5									
Method demonstration	10	April to March	10	30	10	40	50	20	70	110		
Scientists' visit to farmers' field	50	April to March	50	8	2	10	30	10	50	70		
Workshop	2	October January	2	5	5	10	18	12	30	40		
Awareness camp	2	May November	2	5	5	10	18	12	30	40		

Production of animal bi-product/ fodder/fodder seed etc.:

Product	Quantity (No/ qt)	
	Target	Achievement

Activity Calendar

Month	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Activity	1. Training prog on 'Value addition of milk'	1. Training on i. Duck cum paddy cultivation ii. Care and mgmt of piglet	1. Training on i. Importance of synchronization in sow ii. Integrated livestock farming in watershed management	1. Training on i. Scientific management of pig ii. Scientific broiler farming iii. feeds & feeding management of broiler bird	1. Training on i. Common diseases of swine and their treatment ii. Scientific goat farming	1. Training on i. Common diseases of cattle and their treatment ii. Scientific geese farming	1. Trainin on i. Profitable dairy farming	1.Training on i. Use of non conventional feed for feeding livestock ii. Scientific pig farming for income generation	1. Training on i. Common diseases of poultry and their treatment	1. Trainin on i. Prospect of organic poultry production	1. Trainin on i. Preservation of milk to prevent from spoilage	1. Publication of paper
	2. i. method demonstration cutting of needle teeth in piglet ii. Observation of world vety day iii. Extension activities	2. i. Field day ii. Extension activities	2. Extension activities	2. Extension activities	2. Extension activities	2. Extension activities	2. i. Extensio n activities ii. Field day	2. Extension activities	2. Extensio n activities	2. Extension activities	2. Extension activities	2. preparatio n of action plan

	3.Extension activities	3. Site selection & selection of beneficiary for OFT and FLD	3. OFT i. Effect of garlic feeding on growth performance of broiler ii. comparative study on growth and production of Giriraja, Vanaraja and Desi Chicken under semi intensive system of farming iii. Economics of duck cum Fish farming iv. Effect of deworming & vitamin and mineral supplements on preweaned growth performance of local goat of Manipur v. Production and economic analysis of small scale broiler farming									3.Data analysis and report preparation
			FLD i. productive and reproductive performance of broiler rabbit ii .Synchronization and fixed time insemination iii. Production performance of Muskovy duck using locally available feed iv. Provision of guard rails in pig v. Early weaning in piglets vi. Comparative study on production performance of broiler using paddy husk and paddy straw									
			Method demonstration on i. Preservation of milk to prevent from spoilage ii. Enrichment of low grade roughage with urea treatment iii. Preparation of feed block using urea molasses iv. Clipping of needle teeth v. Chemical castration of pig vi. Injection of medicine in i/m, S/c and I/v									

Discipline: Fishery

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Mandated activities	Thematic Area	Details of Technology	Source and Year	Assess/Refine	Area (in acre)	Location	Period and Duration	Number of trials/beneficiaries						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Pond management													
	Fish breeding	Seed production of walking catfish Parameters to be observed 1. Growth of fish seed 2. Survival of seed	CIFRI (ICAR), 2008	Refine	7	Kakching, Sabaltongba, Wangjing, Thoubal Khunou, Charangpat, Yairipok, Tekcham	June to Aug.		1	1	6		6	7
	Feeding management	Feeding of locally available feeds (Rice brand+ Mustard oil cak) @ 3% of biomass of fish Parameters to be observed 3. Growth of fish 4. B:C ratio	CIFRI (ICAR), 2008	Assess	7	Komnao, Waikhong, Sekmaijin, Charangpat, Waithou, Heirok,	June to Nov.	1		1	6		6	7

						Tentha								
	Diseases management													
	Post harvest processing/ Value addition													
	IFS Modules	Fish cum pig farming (Stocking of 10000 nos. Of fingerlings and 30 nos. Of pig per hacter) Parameters to be observed 1. Growth of fish 2. B:C ratio	CIFE (ICAR), 2008	assess	7	Komnao, Thongjao, Tekcham, Wabagai, Tentha, Leishangthem, Wangoo	April, 2013-Feb.,2014	2		2	5		5	7
	Others (Eel culture)	Eel culture Parameters to be observed 1. Growth of fish 2. Survival 3. B:C ratio	BCKV & CIFA, 2008	Refine	7	Kakching, Haokha, Sabaltongba, Tentha, Thoubal, Wabagai, Waithou	April, 2013-Feb.,2014	-	1	1	6	-	6	7

Mandated activities	Thematic Area	Technology/Crop/Cropping system	Source and Year	Demon (No.)	Area (in acre)	Location	Period and Duration	Number of beneficiaries						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
Front Line Demonstration	Pond management													
	Fish breeding	Seed production of climbing perch	KVK, Thoubal, 2012	5	1.5	Thoubal, Wangjing, Kakching, Wabagai Tentha	May to Sept.	1		1	4		4	5
	Feeding management													
	Diseases management													
	Post harvest processing/ Value addition													
	IFS Modules	Fish cum poultry farming	CIFE (ICAR), 2008	7	7	Thongjao, Wangoo, Wabagai, Kakching, Thoubal, Tekcham, Tentha	July to Dec.	1	1	2	5		5	7
	IFS Modules	Fish cum <i>Euryale ferox</i> farming	KVK, Thoubal, 2011	10	10	Wabagai, Tentha, Thoubal	April to Aug.				10		10	10
	Others (Pearl culture)	Pearl culture	Manipur University, 2005	10	10	Khangabok, Kakching, Charangpat, Langmeithel, Thoubal	April, to Feb.		1	1	9		9	10

Mandated activities	Target group	Title of the training programme	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.Scientific fish farming	April	1	Off				15	5	20	20	
		2.Prawn culture	May	1	Off				15	5	20	20	
		3.Seed production of carps	June	1	Off				15	5	20	20	
		4.Hatchery management	July	1	Off				15	5	20	20	
		5.Integrated fish farming	Aug.	1	Off				15	5	20	20	
		6.Fish health management	Sept.	1	Off				15	5	20	20	
		7.Water quality management	Oct.	1	Off				15	5	20	20	
		8.Value addition in fish and fishery products	Nov.	1	Off				15	5	20	20	
		9.Scientific fish farming	Dec.	1	Off				15	5	20	20	
		10.Integrated fish farming	Jan	1	Off	15	5	20				20	
Rural Youth	1.Pearl culture 2.Ornamental fish culture	Feb.	1	On	5		5	10	5	15	20		
		Mar.	1	On	5		5	15	5	15	20		
Extension Personnel													

	Civil Society													
	NGO													
	Others (Pl. specify)													
Vocational training programmes	Farmer and Farm women													
	Rural Youth													
	Extension Personnel													
	Civil Society													
	NGO													
Others (Pl. specify)														
Sponsored training programmes													Sponsoring authority	
	Farmer and Farm women	Integrated fish farming	Oct.	1	On	3		3	12	5	17	20	ATMA, Thoubal	
	Rural Youth													
Extension														

	Personnel												
	Civil Society												
	NGO												
	Others (Pl. specify)												
Mandated activities	Specific activity	Number of activities	Period of the year	Duration (in days)	Number of beneficiaries							Remarks	
					SC/ST			General			Grand Total		
					M	F	Total	M	F	Total			
Extension Activities	Diagnostic visit	40	April – March,	1	10		10	80	10	90	100	Fish health management	
	Advisory services	35	April, – March	1	5	2	7	20	8	28	35		
	Training Manual												
	Celebration of Important days	1	10 th July	1	3	2	5	10	5	15	20		
	Exhibition												
	Exposure visit	1	Sept.	1	5		5	10	5	15	20		
	Extension literature	3	Aug., & Feb.,	NA								Need base	
	Farm Science Clubs' Convenors meet												
	Farmers' Seminar	1	Jan.	1	5		5	15		15	20		
	Farmers' visit to KVKs	30	April – March,	1	5		5	15	10	25	30		

Field day	1	Sept.	1	5		5	10	5	15	20	Need base
Film show											
Kishan Goshthi											
Group Meeting	1	Jan	1	5		5	10	5	15	20	
Kishan Mela											
Literature delivered	5	Aug. To Dec.	1	10	5	15	75	10	85	100	Need base
Method demonstration	3	Sept. To Nov.	1				50	10	60	60	
Scientists' visit to farmers' field	60	April – March,	1	10	5	15	40	5	45	60	
Workshop	1	Dec	1	5		5	10	5	15	20	
Awareness camp											

Production:

Product	Quantity (No/ qt)	
	Target	Achievement
Fish seed	100000	NA

Activity Calendar

Month	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Activity	1. Training programme on Scientific fish farming	1. Training programme on Prawn culture	1. Training programme on Seed production of carps	1. Training programme on Hatchery management	1. Training programme on Integrated fish farming	1. Training programme on Fish health management	1. Training programme on Water quality management	1. Training programme on Value addition in fish and fishery products	1. Training programme on scientific fish farming	1. Training programme on Integrated fish farming	1. Training programme on Pearl culture	1. Training programme on Ornamental fish farming	
	2. Scientist visit to farmers field												
	3. Farmers visit to KVK farm												
	3. Advisory service												
	4. Diagnostic visit												
	5. OFT-1 Fish cum pig farming												
	6. FLD-1 Fish cum <i>Euryale ferox</i> farming					6. Exposure visit	6. Sponsored training programme on Integrated fish farming	6. Method demonstration	6. Workshop	6. Farmers seminar			
		7. FLD-2 Seed production of climbing perch					7. Method demonstration				7. Group meeting		

	7. FLD-3 Pearl culture												
				9. FLD-4 Fish cum poultry farming									
			9. OFT-2 Feeding of locally available feeds										
			10. OFT-3 Seed production of walking catfish										
		8. OFT-4 Eel culture											
				13. Observation of fish farmers day		13. Field day							
						14. Method demonstration							

Discipline: Home Science

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Mandated activities	Thematic Area	Details of Technology	Source and Year	Assess/Refine	Area (in acre)	Location	Period and Duration	Number of trials/beneficiaries						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Nutritional Gardening													
	Nutritional diet for children/ Pregnant women													
	Energy saving tools/ devices													
	Water harvesting devices including purification													
	Hygienic Sanitation													
	Organic dye introduction/ utilization	Plant used-imlay(kum); Season-Jan-March; Plant part used-plant & buds; Method of preparation-2 k.g of plant	Manipur University (2007)	A	-	Kiyam, Waithou, Tenth Cherapu	March-July 5 months	-	5	5	-	5	10	10

		part in 8 ltr.of water; Fermentation-1 week to 20 days; Removal of bubbles by stirring; Local calculation-using oyster shell,cow dung,paddy straw ash; Sedimentation; Straining-removal of clean liquid; Reduce of residue; Darkening of shade-by using <i>Pasania Pachyphylla(kum)</i> , <i>Emblica Myroblan(heikru)</i> & <i>black clay(leitan)</i>				p Wangoo , Kairemb ikhok,M oijing,A thokpam ,Heirok, Sora								
	Utilization of waste materials (Bio-degraded/ Bio-nondegraded)													
	Storage techniques (grains/ fruits/ fishes/ meat etc)	Hygienic production of fermented fish(utonga) <i>Puntinus Sophore</i>: Material used-i.plastic/stainless steel ii.vegetable/mustard oil Process -dried in sun,soaked in water for 10-15 minutes; -drained & smeared with vegetable oils; -rplled with roller; -packed in pot of 40-50 k.g capacity; -sealed with wet mud; -burried with 1/3 to ½ portion under ground; -can be kept for 4-6 months. Packaging material -high density polythene.	College Of Fisheries (CAU),20 10	A		Kiyam, Waithou , Tentha Cherapu p Wangoo , Kairemb ikhok,M oijing Athokpa m,Heiro k,Sora	June-July 2 months	-	5	5	-	5	10	10

		-pack the powder in air tight container -store in dark,dry and cool climate												
	Uses of women friendly tools (WFT)													
	Techniques of child care/ old age													
	Others (Pl. specify)													

Mandated activities	Thematic Area	Technology/Crop/Cropping system		Source and Year	Demo n (No.)	Area (in acre)	Location	Period and Duration	Number of beneficiaries						
									SC/ST			General			Grand Total
									M	F	Total	M	F	Total	
Front Line Demonstration	Nutritional Gardening	Aug-Nov Brinjal Cauliflower Cabbage Knol-khol	Dec-March Brocoli Carrot Spinach Cauliflower Pea Potato Onion	ICAR,Umiam	10		Khangabok, Khongjom Thoubal, Tekcham, Kakching, Kiyam, Wraithou, Tenta Cherpup Wangoo	Aug-March	-	5	5	5	-	10	10
	Nutritional diet for children/ Pregnant women														
	Energy saving tools/ devices														
	Water harvesting devices including purification														
	Hygienic Sanitation														
	Organic dye	Plant used Bixa			M.U,2007	10		Kiyam,W	April-July 4	5	-	5	-	5	5

introduction/ utilization	Orellana(ureirom): Fruits And Leaves: Method: crushed 1 k.g fruit/leaves with 2 ltr.of water boiled for 10-20 min. Strained the colourant Mordant used Alpinia nigera(pullei)				aithou, Tentha Cherapup Wangoo, Kairembi khok,Moi jing,Atho kpam,Hei rok,Sora	months							
Utilization of waste materials (Bio-degraded/ Bio-nondegraded)	Extraction of banana fibre: 1.cut the Pseudostem into pieces about 2-3 in length 2.remove the greenish sheaths till layers are obtained; 3.put on the hard surface scrap with scraper until all water is extracted; 4.leave the remaining for sun drying	AAU,2010	10		Kairembi khok,Moi jing Athokpa m,Hei rok Nongang khong,Hi yanglam Wabagai, Haokha,L amding Wangkhe m	May-June 2 months	5	-	5	-	5	5	10
Storage techniques (grains/ fruits/ fishes/ meat etc)													
Uses of women friendly tools (WFT)	Consists of main frame/grading screen,draper rod,handle etc and operated by hanging	CIAE,Bhopal, 2010	10		Khangabo k, Khongom Thoubal,	June-Nov 6 months	-	5	5	-	5	5	10

		Over all dimension: Length:900 mm Width:600 mm Height:140 mm Capacity:17.6 k.g Top screen size:5.0-8.5 mm Bottom size:18x20-32x20 mm				Tekcham, Kakching , Kiyam, Waithou, Tentha Cherapup Wangoo								
	Techniques of child care/ old age													
	Others (Pl. specify)													



Mandated activities	Target group	Title of the training programme	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	Preparation of tomato powder	April-May	1	Off	-	20	20	-	20	20	40	
	Rural Youth	Use of Heiribop, Heibung and Heijang as natural mordant for fabric	June-July	1	Off	-	20	20	-	20	20	40	
	Extension Personnel	Value addition of Ginger	Aug-Sept	1	Off	-	20	20	-	20	20	40	
	Civil Society	Production technology for quality fermented Soybean	Oct-Nov	1	Off	-	20	20	-	20	20	40	

	NGO	Recycling of waste Sponge	Dec,13-Jan	1	Off	-	20	20	-	20	20	40	
	Others (Pl. specify)	Handling practices of spreading tools	Feb-March	1	Off	-	20	20	-	20	20	40	
Vocational training programmes	Farmer and Farm women	Value added fish product	July	2	Off	-	2	2	-	18	20	20	
	Rural Youth	Packaging of Ngari	Aug	2	Off	-	5	5	-	15	20	20	
	Extension Personnel												
	Civil Society												
	NGO	Hygienic prodn. of fermented soyabean	Sep	2	Off	-	10	10	5	5	20	20	
	Others (Pl. specify)												
Sponsored training programmes													Sponsoring authority
	Farmer and Farm women	Value added product from fish	Oct	3	on	-	10	10	-	20	20	30	D.R.D.A
	Rural Youth	Value added to fruits and vegetables	July	1	Off	-	10	10	-	20	20	30	Dept.of U&H.E. Manipur
	Extension Personnel												

	Civil Society													
	NGO	Harnessing of solar energy		1	On	-	10	10	-	15	25	25	MANIIRENDA	
	Others (Pl. specify)													

Mandated activities	Specific activity	Number of activities	Period of the year	Duration (in days)	Number of beneficiaries						Remarks		
					SC/ST			General				Grand Total	
					M	F	Total	M	F	Total			
Extension Activities	Diagnostic visit												
	Advisory services	4	Aug-Sept	1	-	1	1	-	3	3	4		
	Training Manual	4	July-Nov	1	-	3	3	-	1	1	4		
	Celebration of Important days	1	March	1	-	10	10	-	10	10	20		
	Exhibition												
	Exposure visit	3	July-Dec	1	-	1	1	-	2	2	3		
	Extension literature												
	Farm Science Clubs' Convenors meet												
	Farmers' Seminar												
	Farmers' visit to KVKs												
	Field day												

Film show												
Kishan Goshthi												
Group Meeting												
Kishan Mela												
Literature delivered												
Method demonstration	6	April,July ,Sept.	1	-	2	2	-	4	6	6		
Scientists' visit to farmers' field	10	April-Dec	1	-	4	4	-	6	6	10		
Workshop												
Awareness camp												

Production:

Product	Quantity (No/ qt)	
	Target	Achievement
Bori,pineapple candy,dry soyabean,ginger & amla candy	100 kg	

Activity Calendar

Month	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Activity	Trg. on prep. of tomato powder	Trg. on use of natural mordants for fabric.	i)OFT value added of fish fermentation ii)OFT-Hygienic prodn. of soyabean iii)OFT-Prep. of tomato powder		Recycling of Waste sponge	Trg. on handling practices on spreading tools.	Trg. on packaging of Ngari	Trg. on Hawaijar prodn	Trg. on recycling of waste banana pseudo stem	Trg. on hygienic prodn of soyabean	Publication of literature	Observation of Women's day
	Method demo. on tamarind product	FLD on extraction of banana fibre			Method demo. on ginger candy	Vocational trg on papad making.	Sponsored trg. on harnessing of solar energy.	FLD on nutritional gardening				
	FLD on organic dye		.Method demo. on fruit products	.Sponsored trg. on value addition to fruits & veg.	FLD on nutritional gardening				Method demo. of natural dyes	Advisory services	Method demonstration	Trg. on handling practices of spreading tools.
			Trg.-Hygienic prodn on fermented fish						Sponsored trg. on value added fish product			Prep. of report

