ANNUAL REPORT

(APRIL, 2013 TO MARCH, 2014)

KVK MAMIT DISTRICT

(Directorate of Agriculture
(Research & Education),
Govt. of Mizoram)
(Estd : 2008)

ANNUAL REPORT OF KVK MAMIT, MIZORAM, 2013-14

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
KVK, Mamit District, Lengpui, Mizoram PIN-796421	0389-2573337	0389-2573338	kvkmamit@gmail.com

1.2 .Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Directorate of Agriculture (Research & Education) Aizawl, Mizoram	0389-2319025	0389-2315784	mizagri@gmail.com

1.3. Name of the Programme Coordinator with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Vanlalhruaia Hnamte	0389-2315762	09436152189	kvkmamit@gmail.com

1.4. Year of sanction: 2005

1.5. Staff Position **(As on 31st March, 2014)**

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	Programme Coordinator	Dr. Vanlalhruaia Hnamte	Programme Coordinator	Agro-forestry	15600 +8000	25140	30.08.11	Temporary	ST
2	Subject Matter Specialist	Henry Saplalrinliana	S.M.S.	Soil Science	15600 +5400	17550	22.4.08	Permanent	ST
3	Subject Matter	Md.Mintul Ali	S.M.S.	Fishery	15600	17550	22.4.08	Permanen	Other

	Specialist				+5400			t	
4	Subject Matter Specialist	Lalrinsangi	S.M.S.	Agro-forestry	15600 +5400	17550	22.4.08	Permanen t	ST
5	Subject Matter Specialist	Dr. C. Rinawma	S.M.S.	Animal Science	15600 +5400	18060	22.4.08	Permanen t	ST
6	Subject Matter Specialist	Dr.Rohit Shukla	S.M.S.	Horticultu re	15600 +5400	17550	22.4.08	Permanen t	Other
7	Subject Matter Specialist	Vanlalhruaia	S.M.S.	Plant Protectio n	15600 +5400	17550	22.4.08	Permanen t	ST
8	Programme Assistant	Biakhlupuii Chenkual	Farm Manager	Agricultur e	9300+ 4200	11580	22.4.08	Permanen t	ST
9	Computer Programmer	C. Ramdinsanga	Prog. Assistant	Home Science	9300+ 4200	11120	9.11.09	Permanen t	ST
10	Farm Manager	K. Zohmingliani	Computer Programmer	Compute r Science	9300+ 4200	11580	22.4.08	Permanen t	ST
11	Accountant / Superintende nt	Lalrinchhana	Accountant / Superintende nt	Commer ce	9300+ 4200	11580	22.4.08	Permanen t	ST
12	Stenographer	B.Laldinpuii	Stenographer	N.A.	5200+ 2400	8420	29.2.08	Permanen t	ST
13	Driver	Lalchungnunga	Driver	N.A.	5200+ 1900	6610	29.2.08	Permanen t	ST
14	Driver	Lalchuailova	Driver	N.A.	5200+ 1900	6610	29.2.08	Permanen t	ST
15	Supporting staff	Lallawmkima	Supporting staff	N.A.	4440+ 1900	5330	10.7.08	Permanen t	ST
16	Supporting staff	P.C.Lalthanpuii	Supporting staff	N.A.	4440+ 1900	5330	10.7.08	Permanen t	ST
	Total	**16**							

1.6. a. Total land with KVK (in ha) : 27.0 ha.

b. Total cultivable land with KVK (in ha): 4.0

c. Total cultivated land (in ha):

S. No.	**Item**	**Area (ha)**
1	Under Buildings	2.0

2.	Under Demonstration Units	2.5
3.	Under Crops (Cereals, pulses, oilseeds etc.)	2.0
4.	Under vegetables	1.0
5.	Orchard/Agro-forestry	3.0
6.	Others (specify)	16.5

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	8.3.10	550	54,22,000.00	NA	NA	NA
2.	Farmers Hostel	ICAR	10.3.08	297.87	35,86,756.00	NA	NA	NA
3.	Staff Quarters (6)	ICAR for 6 Quarters and State Govt. for 3 quarters	1.6.08	400	39,00,000.00	NA	NA	NA
4.	Demonstration Units (2)	ICAR	1.6.08	-	NA	NA	NA	NA
5	Fencing	NA	NA	NA	NA	NA	NA	NA

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Maruti Gypsy (Hard Top)	MZ-01/ C-0759	2007	4,50,000.00	52672	Running Condition
Tractor	MZ-01/D-2245 (Head) MZ01/B-2205 (Trailer)	2007	NA	NA	Running condition

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (`)	Present status
Xerox Machine (Xerox Work Center-518 Sl. No.ZZH-3503716240)	2008	1,54,000.00	Good Condition
Laser Printer (HP Laser Jet-1020+ Sl. No. VNC3760857)	2008	45,00.00	Good Condition
Speaker UMAX Model-UPB-1400FM	2008	1,500.00	Good Condition
CPU 55274-692-4406923-23495	2008	14,000.00	Good Condition
LCD Monitor BenQ G 700AD Model ET-0005-B	2008	8,800.00	Good Condition
UPS Supercomp SEV Fortune 600 B080515-10307	2008	2,000.00	Good Condition
One Bundle of blank CD	2008	400	Used
V-SAT (HCIL)	2009	1,00,000	Good condition
BSNL Broad band	2010	NA	Good condition
Projector Vivek (DLP Projector) Model.D325MX Sl.No.WD325MX7520162	2008	87,000.00	Good Condition
Handy Video Camera Sony 4.0MP Model No.HDR-SRIOEN50, 799807	2008	75,000.00	Good Condition
UPS Supercomp No.B080603-7519	2008	1,800.00	Good Condition
Plain Paper Fax with Copier Panasonic Model No.KX-FP701CX, KX-FP702CX	2008	9,996.00	Good Condition
Wireless Amplifier AHUJA WA-320 No.08011080	2008	12,600.00	Good Condition
Dynamic Wireless Microphone, AHUJA AWM-322	2008	460.00	Good Condition
Samsung ML-1640 Series Printer	2010	5,000.00	Good Condition
QS250 Speakers	2010	15,500.00	Good Condition
AC Voltage Stabilizer Model: VR45, Sr No. : 17569	2010	4,000.00	Good Condition
HP Office jet 3608 All-in-One (Fax-Print-Scan-Copy)	2010	NA	Good Condition
EPSON Stylus Office T1100, Model No: B322A	2010	20,000.00	Good condition
Amplifier Proton Power Mixer POD 650	2010	2,214.00	Good Condition
Microphone ,SHURE PG48-XLR-B	2010	6,000.00	Good Condition
Microphone Professional, MIPRO M7-103, MR-515, MH-202, Wireless.	2010	NA	Good Condition
Assemble Computer, Pentium(R) Intel Dualcore	2008	NA	Good Condition

CPU-E5200 2.49ghz, 0.99GB of RAM, Frontech LCD Monitor			
Assemble Computer, Pentium(R) Intel Dualcore CPU-E5200 2.70ghz, 2GB of RAM, HP LCD Monitor	2010	NA	Good Condition
Lenovo branded Computer , 1GB RAM,2.7ghz	2008	NA	Good Condition
Assemble Computer Pentium(R) Intel Dualcore CPU-E5200 2.50ghz, 1.99GB of RAM, Benq LCD Monitor	2010	NA	Good Condition
HP branded Computer, 2.50ghz, 1.99GB of RAM, Benq LCD Monitor	2010	21,500	Good Condition
Speaker Stand QSSAL, No.: 080819011, S.No.: 409 & 420	2010	3,500	Good Condition
Microphone Stand AHUJA BMS – 101, Made in India	2010	1,200	Good Condition
Television Panasonic 29"	2010	NA	Good Condition
Advanced DVD Player with 5.1 ch Samsung DVD-C460	2010	NA	Good Condition
Automatic weather station	2008	NA	Good Condition

1.8. A). Details SAC meeting* conducted in the year 2013-14

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
1.	31.1.2014	1. Pu C. Lalniliana, Chairman SAC and Director, Department of Agri (R&E) 2. PuVanlalhruaiaHnamte, Member Secretary SAC and Programme Coordinator, KVK, Mamit District 3. Pu R.L Thanzuala, Dy. Dir (F&QS), Directorate of Agri (R&E) 4. Pu LalneihthangaColney, SMS (Research), Directorate of Agri (R&E) 5. Pu M. Sawmliana, RO (Forestry), Lengpui 6. Pu K. Lalropara, Fisheries, Lengpui 7. Pu P. Rohmingliana, Farmers representative, Rawpuichhip 8. Pu P.C Zonunsanga, Farmers representative, Lengpui 9. Pu Lalfaka, Farmers representative, Nghalchawm 10. Pu Lalremruata, Farmers representative, Lengte 11. Pu Lalfakzuala, Farmers representative, Hmunpui	1.Reviewing of activities & progress of KVK. 2.Presentation and approval of Action Plan 2012-13. Some changes were made in the OFTs. 3.Made suggestion for overall improvement of KVK	All actions were taken.

		12. Pi Chhuanawmi, Lengpui		

**** Attach a copy of SAC proceedings along with list of participants***

2. DETAILS OF DISTRICT

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

Sl. No	Farming system/enterprises
1.	*Jhum*
2.	Wet Rice Cultivation (Paddy)
3.	Cole crop farming
4.	Banana plantation
5.	Ginger / turmeric production system
6.	Orange production
7.	Areca nut plantation
8.	Fish farming
9.	Fish seed production
10.	Integrated backyard livestock farming

2.2 Description of Agro-climatic Zone & major agro-ecological situations (based on soil and topography)

Sl. No	Agro-climatic Zone	Characteristics
1.	Humid Sub-tropical hill zone	Soil moisture regime – Udic, hyperthermic prevalent on eastern parts of the district on higher altitudes
2.	Humid Mid tropical zone	Soil moisture regime- Udic, hyperthermic, prevalent on western part of the district on lower hills and river valleys

2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in ha
1.	Alluvial soils	Entisols and inceptisols, mixed, hyperthermic, very deep to deep brown, aquic/fluventicdystrochrypts, broad and narrow valley	32159
2.	Sandy soils	Entisols and inceptisols, mixed, hyperthermic, deep to dark yellowish brown, sandy loam, sandy clay, broad and narrow valley	47706
3.	Laterite soils	Ultisols, mixed, hyperthermic, dark brown to dark yellowish brown, sandy clay sub surface, well	179606

		drained, hill side slopes and hill crest/top, moderate erosion, loamy skeletal texture	
4.	Acid soils	Ultisols, mixed, hyperthermic, strongly acidic horizons, hill side slopes, moderate to severe erosions, cutans are formed, fine loamy texture.	38146

2.4. Area, Production and Productivity of major crops cultivated in the district

Sl. No	Crop	Area (ha)	Production (ton)	Productivity (Qtl /ha)
1.	Rice	7391	111680	15.11
2.	Maize	640	9300	14.54
3.	Rice bean	135	940	6.97
4.	Pulses	432	3650	8.45
5.	Oil seed	387	2800	7.23
6.	Cotton	26	110	4.23
7.	Sugarcane	108	1700	15.75

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April, 2013	180.58	32.0	17.1	76.7
May, 2013	272.82	30.4	18.9	85.0
June, 2013	464.0	29.5	20.4	98.0
July, 2013	799.3	29.4	21.1	99.0
August, 2013	617.37	28.5	22.0	99.0
September, 2013	759.67	27.5	22.0	99.0
October, 2013	815.43	27.6	17.4	99.0
November, 2013	634.0	25.0	14.0	90.0
December, 2013	155.0	21.7	8.0	70.0
January, 2014	57.38	15.5	7.0	70.0
February, 2014	180.0	16.9	9.9	70.0
March, 2014	145.67	21.2	14.1	70.94

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
Crossbred	*Crossbred*	*Crossbred*	*Crossbred*
Indigenous	*Indigenous*	*Indigenous*	*Indigenous*
Buffalo	**NA**	**NA**	**NA**
Sheep			
Crossbred	**NA**	**NA**	**NA**
Indigenous	**NA**	**NA**	**NA**
Goats	*Crossbred*	*Crossbred*	*Crossbred*
Pigs	*Indigenous*	*Indigenous*	*Indigenous*
Crossbred	*Crossbred*	*Crossbred*	*Crossbred*
Indigenous	*Indigenous*	*Indigenous*	*Indigenous*
Rabbits	*Crossbred*	*Crossbred*	*Crossbred*
Poultry			
Hens	Hens	Hens	Hens
Desi	*Desi*	*Desi*	*Desi*
Improved	*Improved*	*Improved*	*Improved*
Ducks	Ducks	Ducks	Ducks
Turkey and others	Turkey and others	Turkey and others	Turkey and others

Category	**Area**	**Production**	**Productivity**
Fish	Fish	828	6020
Marine	*Marine*	NA	NA
Inland	*Inland*	NA	NA
Prawn	Prawn	NA	NA
Scampi	Scampi	NA	NA
Shrimp	Shrimp	NA	NA

2.6 Details of Operational area / Villages (2013-14)

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
1	Mamit	W.Phaileng	W.Phaileng, Chhippui, Lallen, Saithah, Phuldungsei, Pukzing, Marpara, Andermanik, Rajivnagar, Tuipuibari, Damparengpui, Teirei, Khawhnai, Parvatui	Paddy, Maize, Ginger, Turmeric, Khasi mandarin, Vegetable, Oil Palm, livestock, fishery	Scientific know how, quality breed, quality seeds and planting materials, feed, medicines, soil erosion, acidic soil, water scarcity, citrus decline, pests, paddy leaf roller, post harvest management and marketing problems, irrigation, communication problems.	Training on scientific agriculture and allied, introduction of quality seeds and planting materials, disease management, post harvest management, value addition, introduction of improved production technologies, integrated farming.
2	Mamit	Reiek	Bawngthah, Kanghmun, Khawrihnim, W.Lungdar, Ailawng, Reiek, Rulpuihlim, Tuahzawl, Chungtlang, Rawpuichhip, Hmunpui, W.Serzawl, Lengpui, Lengte, Nghalchawm	Paddy, Maize, Ginger, Turmeric, Vegeable, Oil Palm, Khasi Mandarin, livestock, fishery	Scientific know how, quality breed, quality seeds and planting materials, feed, medicines, soil erosion, acidic soil, water scarcity, citrus decline, pests, paddy leaf roller, post harvest management and marketing problems, irrigation, communication problems.	Training on scientific agriculture and allied, introduction of quality seeds and planting materials, disease management, post harvest management, value addition, introduction of improved production technologies, integrated farming.

3	Mamit	Zawlnuam	Kanhmun, Moraichera, Zamuang, Rengdil, Lushaicherra, Zawlpui, Hriphaw, Saikhawthlir, Chhuhvel, Zawlnuam, Bawrai	Paddy, Maize, Ginger, Turmeric, Vegeable, Oil Palm, Khasi mandarin, livestock, fishery	Scientific know how, quality breed, quality seeds and planting materials, feed, medicines, soil erosion, acidic soil, water scarcity, citrus decline, pests, paddy leaf roller, post harvest management and marketing problems, irrigation, communication problems.	Training on scientific agriculture and allied, introduction of quality seeds and planting materials, disease management, post harvest management, value addition, introduction of improved production technologies, integrated farming.
4	Mamit	Mamit	Mamit town, N.Sabual, Pathiantlang, Suarhliap, Nalzawl, Liandophai, Darlak, Kawrtethawveng, Tuidam, Kawrthah, Serhmun, Bunghmun	Paddy, Maize, Ginger, Turmeric, Vegeable, Oil Palm, Khasi Mandarin, livestock, fishery	Scientific know how, quality breed, quality seeds and planting materials, feed, medicines, soil erosion, acidic soil, water scarcity, citrus decline, pests, paddy leaf roller, post harvest management and marketing problems, irrigation, communication problems.	Training on scientific agriculture and allied, introduction of quality seeds and planting materials, disease management, post harvest management, value addition, introduction of improved production technologies, integrated farming.

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2013-14

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement

Horticulture	4	4	12	12	1	1	3	3
Agro-Forestry	4	4	10	10	-	-	-	-
Plant protection	4	4	12	12	1	1	3	3
Animal Scinece	3	3	5	5	1	1	3	3
Fisheries	2	1	4	2	1	-	3	-

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					**Extension Activities**			
3					**4**			
Number of Courses			**Number of Participants**		**Number of activities**		**Number of participants**	
Clientele	**Targets**	**Achievement**	**Targets**	**Achievement**	**Targets**	**Achievement**	**Targets**	**Achievement**
Farmers	55	60	1325	1905	165	844	5294	1489
Rural youth	16	5	325	35			518	120
Extn. Functionaries	6	14	150	133			1635	87
Total	77	79	1800	2073	165	844	7447	1696

Seed Production (ton.)		**Planting material (Nos. in lakh)**	
5		**6**	
Target	**Achievement**	**Target**	**Achievement**
Paddy	1.0	Tomato	0.03
French bean	0.005	Cabbage	0.04
Ginger	0.035	Cauliflower	0.01
Okra	0.005	Broccoli	0.04
		Chilli	0.001

3. B. Abstract of interventions undertaken during 2013-14

Sl. No	Thrust area	Crop/ Enterprise	Identified problems	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Weed management	Pineapple	Weed	Management of weed in pineapple by plastic mulching		Management of weed in pineapple by plastic mulching			
2	Production and Management technology	Cauliflower	Low yield due to unscientific cultivation practices	Improved package of practices of cauliflower cultivation		Improved package of practices of cauliflower cultivation			
3	Varietal evaluation	French bean	Low yield of local variety	Varietal evaluation of French bean var. Arka Anoop and Arka Komal		Improved package of practices of French bean cultivation			
4	Production and Management technology	Onion	Low yield due to unscientific cultivation practices	Improved package of practices of onion cultivation		Improved package of practices of onion cultivation			
5	Tree species for degraded land (shifting cultivated area)	Bamboo & pigeon pea	Degraded land due to Shifting cultivation	Bamboo-based Agro-forestry System					
6	*Agroforestry System	*Parkia roxburgii* & Pineapple	Economic Productivity of Pineapple	Introduction of MPTs in existing Systems	NA	Integrated farming system	NA	NA	
7	*Agroforestry System	agricultural crops (Cowpea, Green gram, Soybean) and Neem	Suitable Agricultural Crop Neem based Agroforestry system	Interactions of Neem tree with Agricultural crops*	NA	NA	NA	NA	

8	*Silvi-agri System	Coconut, Ginger, soyabean	Lack of technical knowhow on cultivation of coconut and intercrop management	Intercropping under Coconut	NA	NA	NA	NA	
9	IPM	Rice	Blast disease	Disease Management of Blast of Rice					
10	Disease Management	Brinjal	Stem & fruit borer	IPM on Stem and Fruit Borer of Brinjal					
11	Disease Management	Ginger	Rhizome rot	Rhizome rot management in Ginger using Biofor-Pf2					
12	Disease Management	Tomato	Bacterial wilt	Bacterial wilt management in Tomato using Biofor-Pf2					
13	Fodder Quality	a) Maize MYGROW -1303 RES (Dual purpose) b) Subabul K 8/B-42	No identified fodder varieties	Green fodder cultivation using: a) Maize MYGROW-1303 RES (Dual purpose) b) Subabul K 8/B-42	NA	Green fodder cultivation			
14	Processing/ Value Addition	Value addition from Milk	Mozzarella is not produced locally	Milk processing-Cheese making (Mozzarella)					
15	Breed Introduction	Gramapriya	No identified dual purpose poultry	Improved dual purpose birds: Gramapriya					
16	Fish seed production	Common carp	Unavailability of fish seed	Rearing of common carp seed on backyard pond					
17	Integrated farming	Paddy, fish	Low income from monoculture of paddy	Paddy cum fish culture					

18	Fish breeding	Common carp	Unavailability of fish seed		Breeding of common carp (*Cyprinus carpio*)				
19	Breed Introduction	Vanaraja	No identified dual purpose poultry		Vanaraja				Chicks
20	Weed Management	Paddy	Infestation of weeds		Weed Management in WRC				Seed
21	Production and management technology	tomato	Unscientific cultivation practices		Improved package of practices of tomato cultivation				Seed
22	Canopy management	Banana	Wider spacing		High density planting of banana				Banana suckers

NB: * On going

3.1 Achievements on technologies assessed and refined during 2013-14

A.1 Abstract of the number of technologies **assessed*** in respect of crops/enterprises

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	-	-	-	-	1	-	-	-	-	1
Seed / Plant production	-	-	-	-	3	1	-	-	-	4
Weed Management	1	-	-	-	-	1	-	-	-	2
Integrated Crop Management	-	-	-	-	-	-	-	3	-	3
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-

Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	1	-	-	-		-	-	-	-	1
Integrated Disease Management	-	-	-	-	3	-	-	-	-	3
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
TOTAL	2	-	-	-	7	2	-	3	-	14

* *Any new technology, which may offer solution to a location specific problem but not tested earlier in a given micro situation.*

A.2. Abstract of the number of technologies **refined*** in respect of crops/enterprises

Thematic areas	**Cereals**	**Oilseeds**	**Pulses**	**Commercial Crops**	**Vegetables**	**Fruits**	**Flower**	**Plantation crops**	**Tuber Crops**	**TOTAL**
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-

Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-

***** *Technology that is refined in collaboration with ICAR/SAU Scientists for improving its effectiveness.*

A.3. Abstract of the number of technologies **assessed** in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds	-	2	-	-	-	-	-	2
Nutrition Management	-	-	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	1	-	-	-	-	-	-	1
Production and Management	-	-	-	-	-	-	1	1
Feed and Fodder	1	-	-	-	-	-	-	1
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
TOTAL	2	2	-	-	-	-	1	5

A.4. Abstract on the number of technologies **refined** in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-

11). Results of On Farm Testing

Title of OFT	Problem Diagnosed	Technology Assessed	No. of Trials	Results of Assessment/ Refined (Data on the parameter should be provided)	Feedback from the farmer	Feedback to the Researcher	B.C . Ratio (if applicable)
Management of weed in pineapple by plastic mulching	Weed	Black plastic, 50 micron The plastic film will be laid on the well prepared bed prior to planting. The suckers/slips should be plan ted at recommended spacing by making suitable hole.	3	Ongoing	-	-	On going
Improved package of Cauliflower cultivation	Low yield due to unscientific cultivation practices	Season: Rabi Seed rate: 500-750 g/ ha. Transplanting: 4-5 weeks' old seedlings along with 4-5 leaves. Spacing: 50 × 50 cm. Manure and fertilizers: Well rotten FYM or compost @ 12 t/ ha and lime @ 2 t N: P: K @ 100: 60:80 kg/ha to produce good crops. Irrigation: 7-10 days interval. Weeding : 2-3 weeding	3	**Improved practices** Curd weight – 750g Yield -105 qt/ha B:C ratio- 2.42:1 **Farmer practices** Curd weight -640 g Yield -92 qt/ha	Farmers willing to accept this technology	Limited availability of quality disease free planting material and other inputs.	B:C ratio- **Demo-2.42** **Local-** 2.12:1
Varietal evaluation of French bean var. Arka Anoop and Arka Komal	Low yield of local variety	Bush type French bean varieties Arka Anoop & Arka komal	3	Days to first picking Arka Anoop – 51 Arka Komal -54 Local -65 Pod length (cm.) Arka Anoop-16.3 cm Arka Komal- 15.4 cm Local -14.2 cm Yield – Arka Anoop- 142 qt/ha Arka komal- 138 qt/ha Local-123 qt/ha	Farmers are willing to adopt the technology	This technology is suitable for Mamit District condition	B:C ratio- Arka Anoop-3.37:1 Arka komal-3.18:1 Local-2.83:1

Improved package of practices of Onion cultivation	Low yield due to unscientific cultivation practices	**(Season:** Rabi season–October to April **Seed rate**: 7-8 kg/ha. **Nursery raising** 45-50 days before transplanting. **Preparation of main field:** broad based furrow (BBF) for planting. **Spacing:**15X10 cm **Fertilizers:**150:50:80:50 kg NPKS/ha Apply 50% N and 100% P, K & S as basal dose and remaining 50% of N to be applied in two splits at 30 & 45 days after transplanting. **Irrigation:** 7-10 days interval **Weed management:** Pre emergence application of Oxyflurofen (Goal) @ 0.15-0.25 kg ai/ha or Fluchloralin (Basalin) @1.0kg/ha or Pendimethalin (Stomp) 3.5 l/ha combined with one hand weeding. **Harvesting:** at 50% neck fall stage.)	3	**Improved package of practices** No of leaves per plant -13.40 Plant height- 35.40 cm Average fruit weight -53.0g. Bulb yield:15850 kg/ha **Farmer practices** No of leaves per plant -11.20 Plant height- 29.40 cm Average fruit weight -37.0g. Bulb yield:9200 kg/ha	Due to limited availability of inputs and quality seeds and occasional occurrence of hail storm only few progressive farmers ready to adopt this technology.	Limited availability of inputs on time. More trials are required with short duration varieties.	Improved package of practices 2.36:1 Farmer practices 1.37:1
Bamboo-based Agro-forestry System	Degraded land due to Shifting cultivation	Bamboo-based Agro-forestry System	3	Ongoing			
Multipurpose tree based agroforestry system	Economic Productivity of Pineapple	Multipurpose tree based agroforestry system	3	Ongoing			
Interactions of Neem tree with Agricultural crops*	Suitable Agricultural Crop Neem based Agroforestry system	Interactions of Neem tree with Agricultural crops*	3	Ongoing			
Intercropping under Coconut	Lack of technical knowhow on cultivation of coconut and intercrop management	Intercropping under Coconut	3	Failed			
Disease Management of Blast of	Blast disease	1. Spraying of Hexaconazole (Contaf 2ml/litre water) 2. Removing and destroying weed hosts	3	1. Crop yield = 28 qtl/ha 2.Disease incidence= 10%	Farmers are interested and willing to adopt the new		Improved

Rice		on the field bunds and channels. 3. Treating the seeds with Captan or Carbendazim at 2 g/Kg seed or Spraying the nursery with Carbendazim 50 WP 2.5 g/litre water. 4. Spraying the main field with Carbendazim 250g/ha 5. Using Dhaincha or Sunhemp as green manure and judicious use of Urea(N).		**Farmers practice**: yield 19.5 qtl/ha pest incidence – 25%	technology.		practice = 2.59 :1 Farmer's practice = 1.8:1
IPM on Stem and Fruit Borer of Brinjal	Stem & fruit borer	1. Clip and destroy borer damaged shoot 2. Release of *Trichogramma brasiliensis* @ 150000/ha or use of lucilure sex pheromone @ 100 traps/ha at 20-25 DAT and replacing lure at monthly interval till harvest. 3. Spraying 2-3 times Cypermethrin @ 4ml/10 lit water at 10-15 days interval	3	Failed	Failed	Failed	Failed
Rhizome rot management in Ginger using Biofor-Pf2	Rhizome rot	a. Seed Treatment with Biofor-Pf-2 @ 10kg/kg seeds b. Soil treatment @ 1 kg Biofor-Pf2 /10kg cow dung c. Seed + soil treatment	3	1.Crop yield = 125 qtl/ha 2.No. of infected plant at 10 days interval (25 plants) 3.Farmers Reaction (good) **Farmers practice:** 1.crop yield= 82.5 qtl/ha 2.No. of infected plant at 10 days interval (55 plants)	Farmers are willing to accept the technology	More trials are required to be taken up at different soil condition s	Improved practice = 2.6 :1 Farmer's practice = 1.7:1
Bacterial wilt management in Tomato using Biofor-Pf2	Bacterial wilt	Seed Treatment with Biofor-Pf-2 @ 1gm/kg seeds, root treatment @1kg/2litre water/1000 seedlings, Soil treatment @ 1 kg Biofor-Pf2 /10gm mixed with 100gm cow dung/ plant, Seed + soil treatment	3	1.No. of infected plant at 10 days interval (15 plants) 2 .Yield record (21000kg/ha), 3.Farmers' reaction (good) **Farmers practice:** No. of infected plant at 10 days interval (40 plants), yield record(16000kg/ ha)	Farmers are willing to accept the technology	More trials are required to be taken up at different soil condition s for bacterial wilt.	Improved practice = 2.24 :1 Farmer's practice = 1.7:1

Green fodder cultivation using: a) Maize MYGROW-1303 RES (Dual purpose) b) Subabul K 8/B-42	No known fodder availability for Mamit District	a. Crop variety: Maize MYGROW-1303 and Subabul K 8/B-42 b. Sowing time: Late March to mid April c. Land preparation: Land prepared thoroughly d. Fertilization: 33.6 kg N, 11 Kg P and 3.6 Kg K in the form of Urea, SSP and MOP e. Pest and Disease: As per package of practices when necessary	3	**Maize**: DM%: 13.3, CP%: 10.73, CF%: 24.8 Change in Milk concentrate: Fat%: 3.87 SNF%: 9.04 **Subabul: Failed**	Farmers are ready to adopt this variety after thorough refinement. Sowing time for subabul was late since the seeds could not reach on time.	It is expensive for fodder since Lengpui area has abundant natural fodder available	MAIZE: 2:1
Milk processing-Cheese making (Mozzarella)	No identified value addition through whole milk	a. Processing system b. Cheese yield c. Palatability	1	1. Formation of rennet from a goat's kid stomach, within Lengpui region, i.e. ≥ 18 days 2. The cheese yield was 38% ± 2% of the total milk processed. 3. The cheese was a bit salty compared with commercially available mozzarella cheese.	1. High humidity and low elevation slowed the formation of rennet 2. Due to high humidity of Lengpui, the salt used during preservation of rennet made the cheese a bit salty compared with commercially available mozzarella cheese, therefore more study has to be performed.	Isolation of rennet has to be more refined.	1.7:1
Improved dual purpose birds: Gramapriya	No identified dual layer known	a. Egging percentage b.Growth/feed ratio	1	The age at sexual maturity was 172 ± 3 days, and the egg production of 141 ± 2 eggs /hen/annum with an average egg weight of 56.8 gm.	Farmers are ready to adopt this variety after thorough refinement.	Gramapriya has better productivity	2.8:1
Common carp seed rearing at backyard pond	Poor pond management	1. Species: Spawn of Common carp (*Cyprinus carpio*) 2. Pond size: 200m^2 Depth: 1m 3. Lime : 1.75 kg/.02ha 4. Application of MOC (5kg) 5 days before stocking 4. Application of soap oil emulsion 6. Feeding with rice	2	1. Survivability 54 % 2. Average size of the harvest Length- 19.5mm, Weight – 18.7mg 3. Numbers recovered 54000 nos. **Farmers practice** 1. Survivability 38 % 2. Numbers	Farmers are willing to adopt the technology	Refinement is needed in stocking density, pond types and feeding management.	1. Improved practices-3.96:1 2. Farmers practice-2.50:1

		bran and oil cake (1:1), 1-5days 4 times of the initial body weight, 6-12 days 8 times of the initial body weight		recovered 38000 nos.			
Paddy cum fish culture	Low income from monoculture of paddy	1. Species: *Cyprinus carpio* 2. Stocking density 10,000nos./ha 3. Liming 500 kg/ha/year 4. Cow dung 20 tons/ha/year 5. Feeding 2 % of fish body weight	2	Washed away by heavy shower of rain.			NA

Field crops – kg/ha, * for horticultural crops -= kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermi compost kg/unit area.

***** Give details of the technology assessed or refined and farmer's practice***

3.2 Achievements of Frontline Demonstrations during 2013-14

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2012-13 and recommended for large scale adoption in the district

Sl. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Banana	High density banana plantation (Giant Cavendish)	1	3	0.4
2	Tomato	Improved production technology of tomato	1	2	0.4
3	Rice (WRC)	Pre-emergence application (3-5 DAT) of Butachlor 1 kg/ha followed by weeding at 40 DAT	1	3	1
4	Poultry	Improved dual purpose bird: Vanaraja	1	3	0.001

**** Thematic areas as given in Table 3.1 (A1 and A2)***

b. Details of FLDs conducted during reporting period (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rf/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ ST	Others	Total					
1	Banana	Canopy mgmt.	High density banana plantation (Giant Cavendish)	May, 2013-June 2014	0.4	0.4	3	-	3	-	Rf, Sandy loam	-	-	-
2	Tomato	Production and Management technology	Improved production technology of tomato	Rabi 2013-14	0.4	0.4	3	-	3	-	Irrigated, Sandy loam	-	-	-
3	Rice	Weed Management	Pre-emergence application (3-5 DAT) of	Kharif – July-Nove	1	1	3	-	3	-	Rf, WRC			

			Butachlor 1 kg/ha followed by weeding at 40 DAT	mber, 2013										

Performance of FLD

Sl. No.	Crop	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Data on parameter in relation to technology demonstrated (Yield, Disease incidence, etc. as specified in FLD Programme)		Economic Impact				Technical Feedback on the Demonstrated Technology	Farmers' Reaction on specific Technologies
								Average Net Return (Profit) (Rs./ha)		B.C. Ratio			
								Demo	Local Check	Demo	Local Check		
		H	L	A		Demo	Local						
1	2	7	8	9	10	12	13						
1	Banana				Ongoing								
2	Tomato	360	270	330	220	330	220	243700	139440	3.82:1	2.73:1	Improved package of practices exhibited clear-cut superiority over local check in term of yield and yield attributing characters	Farmers are motivated and accepted the technology
3	Rice			Yield = 30 qtl./ha Dry wt. of weed : 30 DAT= 4.64g/sq.m 60	Farmers practice: Yield 23.5 qtl/ha Dry wt. of weed : 30	Yield = 30 qtl./ha Dry wt. of weed : 30 DAT= 4.64g/sq.m 60	Farmers practice: Yield 23.5 qtl/ha Dry wt. of weed : 30	25815	14150	Improved practice = 2.59	Farmer's practice = 1.94	Improved package of practices exhibited clear-cut superiority over local check in term of yield and	Farmers are motivated and accepted the technology

				DAT= 5.0g/sq .m Harvest = 5.0g/sq .m	DAT= 25g/sq.m 60 DAT= 30g/sq.m Harvest= 35g/sq.m	DAT= 5.0g/sq .m Harvest = 5.0g/sq .m	DAT= 25g/sq.m 60 DAT= 30g/sq.m Harvest= 35g/sq.m					yield attributing characters	

NB: Attach few good action photographs with title at the back with pencil

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days				
2	Farmers Training				
3	Media coverage				
4	Training for extension functionaries				

c. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	crop	No. of farmers	Area (ha)	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		

**** Field efficiency, labour saving etc.***

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		

Dual purpose layer poultry	Vanaraja	3	90	a. Space requirement b. Management: Housing and Veterinary care c. Deworming etc d. Nutritional management	The age at sexual maturity was 169 ± 3 days, and the egg production of 144 ± 2 eggs /hen/annum with an average egg weight of 57.1 gm.	The age at sexual maturity was 149 ± 2 days, and the egg production of 60 ± 2 eggs /hen/annum with an average egg weight of 46 gm.	There is 41.47% rise in egg production and a 19.44% rise in egg weight	Farmers are ready to adopt this variety after thorough refinement

**** Milk production, meat production, egg production, reduction in disease incidence etc.***

(iii) Other Enterprises

Enterprise	Variety/ breed/Species/others	No. of farmers	No. of Units	Performance parameters / indicators	Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Mushroom								
Apiary								
Sericulture								
Vermi compost								

3.4. Achievements on Training both On and Off Campus (Including the sponsored, vocational, FLD and trainings under Rainwater Harvesting Unit):

Thematic area	No. of courses			Participants																		
				Others						SC/ST						Total						Grand Total
	On	Off	Total	Male		Female		Total		Male		Female		Total		Male		Female		Total		
				On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	
(A) FARMERS & FARM WOMEN																						
I. Crop Production																						
Weed Management	-	2	2	-	-	-	-	-	-	-	15	-	2	-	17	-	15	-	2	-	17	17
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of organic inputs																						
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops	1	1	2							23	10	20	5	43	15	23	10	20	5	43	15	58
Off-season vegetables	-	2	2							-	26	-	20	-	46	-	26	-	20	-	46	46
Nursery raising	1	3	4							20	20	20	20	40	40	20	20	20	20	40	40	80
Exotic vegetables like Broccoli																						

Export potential vegetables																					
Grading and standardization																					
Protective cultivation (Green Houses, Shade Net etc.)																					
b) Fruits																					
Training and Pruning																					
Layout and Management of Orchards																					
Cultivation of Fruit	1	1	2							15	15	5	8	20	23	15	15	5	8	20	23	43
Management of young plants/ orchards																					

Rejuvenation of old orchards																					
Export potential fruits																					
Micro irrigation systems of orchards																					
Plant propagation techniques																					
c) Ornamental Plants																					
Nursery Management																					
Management of potted plants																					
Export potential of ornamental plants																					
Propagation techniques of Ornam																					

ental Plants																					
d) Plantation crops																					
Production and Management technology																					
Processing and value addition																					
e) Tuber crops																					
Production and Management technology																					
Processing and value addition																					
f) Spices																					
Production and Management technology																					
Processing and value addition																					

g) Medicinal and Aromatic Plants																					
Nursery management																					
Production and management technology																					
Post harvest technology and value addition																					
III Soil Health and Fertility Management																					
Soil fertility management																					
Soil and Water Conservation																					
Integrated Nutrient Management																					
Production and use of organic inputs																					
Management																					

of Problematic soils																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water Testing																						
IV Livestock Production and Management																						
Dairy Management	1	1	2							23	21	20	20	43	41	23	21	20	20	43	41	84
Poultry Management	1	1	2							20	26	20	20	40	46	20	26	20	20	40	46	86
Piggery Management	1	1	2							20	20	20	20	40	40	20	20	20	20	40	40	80
Animal Nutrition Management	1	1	2							15	20	5	20	20	40	15	20	5	20	20	40	60
Disease Management	-	1	1							-	20	-	20	-	40	-	20	-	20	-	40	40
Feed management																						

Production of quality animal products																					
V Home Science/Women empowerment																					
Household food security by kitchen gardening and nutrition gardening																					
Design and development of low/minimum cost diet																					
Designing and development for high nutrient efficiency diet																					
Minimization of nutrient loss in process																					

ing																					
Gender mainstreaming through SHGs																					
Storage loss minimization techniques																					
Value addition	1	1	2							-	-	25	25	-	50	-	-	25	25	-	50	50
Income generation activities for empowerment of rural Women	-	1	1							-	-	-	25	-	25	-	-	-	25	-	25	25
Location specific drudgery reduction technologies																					
Rural Crafts																					
Women and child care																					

VI Agril. Engineering																					
Installation and maintenance of micro irrigation systems																					
Use of Plastics in farming practices																					
Production of small tools and implements																					
Repair and maintenance of farm machinery and implements																					
Small scale processing and value addition																					
Post Harvest																					

Technology																					
VII Plant Protection																					
Integrated Pest Management	2	5	7							43	113	40	100	83	213	43	113	40	100	83	213	296
Integrated Disease Management	2	4	6							40	100	40	60	80	160	40	100	40	60	80	160	240
Bio-control of pests and diseases	-	1	1							-	15	-	2	-	17	-	15	-	2	-	17	17
Production of bio control agents and bio pesticides																						
Others	-	2	2							-	18	-	17	-	35	-	18	-	17	-	35	35
VIII Fisheries																					
Integrated fish farming	1	3	4							23	100	20	21	43	121	23	100	20	21	43	121	164
Carp breeding and hatchery manage	1	2	3							20	46	20	40	40	86	20	46	20	40	40	86	126

ment																					
Carp fry and fingerling rearing	-	1	1							-	10	-	5	-	15	-	10	-	5	-	15	15
Composite fish culture	1	2	3							15	44	5	22	20	66	15	44	5	22	20	66	86
Hatchery management and culture of freshwater prawn																					
Breeding and culture of ornamental fishes																					
Portable plastic carp hatchery																					
Pen culture of fish and prawn																					
Shrimp farming																					

Edible oyster farming																					
Pearl culture																					
Fish processing and value addition																					
IX Production of Inputs at site																					
Seed Production																					
Planting material production																					
Bio-agents production																					
Bio-pesticides production																					
Bio-fertilizer production																					
Vermi-compost product																					

ion																					
Organic manures production																					
Production of fry and fingerlings																					
Production of Bee-colonies and wax sheets																					
Small tools and implements																					
Production of livestock feed and fodder																					
Production of Fish feed																					
X Capacity Building and Group Dynamics																					
Leadership development																					

Group dynamics																					
Formation and Management of SHGs																					
Mobilization of social capital																					
Entrepreneurial development of farmers/youths																					
WTO and IPR issues																					
XI Agro-forestry																					
Production technologies	1	3	4							23	80	20	40	43	120	23	80	20	40	43	120	163
Nursery management	1	1	2							20	10	20	5	40	15	20	10	20	5	40	15	55
Integrated Farming Systems	1	1	2							15	15	5	4	20	19	15	15	5	4	20	19	39
TOTAL	**18**	**41**	**59**							**335**	**744**	**305**	**521**	**640**	**1265**	**335**	**744**	**305**	**521**	**640**	**1265**	**1905**

(B) RURAL YOUTH																					
Mushroom Production	1	-	1							5	-	5	-	10	-	5	-	5	-	10	-	10
Bee-keeping																						
Integrated farming																						
Seed production																						
Production of organic inputs																						
Integrated Farming																						
Planting material production																						
Vermi-culture																						
Sericulture																						
Protected cultivation of vegetab																						

le crops																					
Commercial fruit production																					
Repair and maintenance of farm machinery and implements																					
Nursery Management of Horticulture crops																					
Training and pruning of orchards																					
Value addition																					
Production of quality animal products																					
Dairying																					

Sheep and goat rearing																					
Quail farming																					
Piggery																					
Rabbit farming																					
Poultry production	1	-	1							1	-	-	-	1	-	1	-	-	-	1	-	1
Ornamental fisheries																					
Para vets																					
Para extension workers																					
Composite fish culture																					
Freshwater prawn culture																					
Shrimp farming																					
Pearl culture																					
Cold water fisherie																					

s																					
Fish harvest and processing technology																					
Fry and fingerling rearing																					
Small scale processing																					
Post Harvest Technology																					
Tailoring and Stitching																					
Rural Crafts																					
Citrus Rejuvenation	-	1	1							-	14	-	10	-	24	-	14	-	10	-	24	24
TOTAL	**2**	**1**	**3**							**6**	**14**	**5**	**10**	**11**	**24**	**6**	**14**	**5**	**10**	**11**	**24**	**35**
(C) EXTENSION PERSONNEL																						
Productivity enhancement	2	-	2							15	-	4	-	19	-	15	-	4	-	19	-	19

in field crops																					
Integrated Pest Management	2	-	2							15	-	4	-	19	-	15	-	4	-	19	-	19
Integrated Nutrient management																					
Rejuvenation of old orchards	1	-	1							15	-	4	-	19	-	15	-	4	-	19	-	19
Protected cultivation technology	1	-	1							15	-	4	-	19	-	15	-	4	-	19	-	19
Formation and Management of SHGs																					
Group Dynamics and farmers organization																					
Information networking among farmers																					

Capacity building for ICT application																					
Care and maintenance of farm machinery and implements																					
WTO and IPR issues																					
Management in farm animals	4	-	4							15	-	4	-	19	-	15	-	4	-	19	-	19
Livestock feed and fodder production	2	-	2							15	-	4	-	19	-	15	-	4	-	19	-	19
Household food security																					
Women and Child care																					
Low cost and																					

nutrient efficient diet designing																					
Production and use of organic inputs																					
Gender mainstreaming through SHGs																					
Others	2	-	2							15	-	4	-	19	-	15	-	4	-	19	-	19
TOTAL	**14**	**-**	**14**							**105**	**-**	**28**	**-**	**133**	**-**	**105**	**-**	**28**	**-**	**133**	**-**	**133**

Note: Please furnish the details of above training programmes as <u>Annexure</u> in the proforma given below

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
28.6.2013	Farmers	Weed management in WRC paddy	Plant protection	Weed managemnt	1	Dialdawk				15	2	17	15	2	17
25.4.2013	Farmers	Production of low volume and high value crops	horticulture	Production of low volume and high value crops	1	KVK Hall				10	5	15	10	5	15
9.7.20	Farm	Producti	horticu	Producti	1	KVK				23	20	43	23	20	43

13	ers	on of low volume and high value crops	lture	on of low volume and high value crops		Hall										
27.6.2013	Farmers	Off-season vegetables	horticulture	Off-season vegetables	1	Hmunpui				26	20	46	26	20	46
4.7.2013	Farmers	Nursery raising of vegetables	horticulture	Nursery raising	1	Darlak				20	20	40	20	20	40
9.7.2013	Farmers	Nursery raising of vegetables	horticulture	Nursery raising	1	KVK Hall				20	20	40	20	20	40
11.2.2013	Farmers	Cultivation of fruit	horticulture	Cultivation of fruit	1	KVK Hall				15	5	20	15	5	20
19.2.2014	Farmers	Cultivation of fruit	horticulture	Cultivation of fruit	1	KVK Hall				15	8	23	15	8	23
3.7.2013	Farmers	Dairy management	Animal Science	Dairy management	1	Darlak				23	20	43	23	20	43
25.6.2013	Farmers	Dairy management	Animal Science	Dairy management	1	Rawpuichhip				21	20	41	21	20	41
25.6.2013	Farmers	Poultry management	Animal Science	Poultry management	1	Rawpuichhip				21	20	41	20	20	41
26.6.2013	Farmers	Poultry management	Animal Science	Poultry management	1	Hmunpui				26	20	46	26	20	46
3.7.2013	Farmers	Piggery management	Animal Science	Piggery management	1	Darlak				23	20	43	23	20	43
15.11.2013	Farmers	Piggery management	Animal Science	Piggery management	1	Mamit				20	20	40	20	20	40
4.10.2013	Farmers	Animal nutrition	Animal Science	Animal nutrition	1	W.Phaileng				20	20	40	20	20	40
15.11.2013	Farmers	Animal nutrition	Animal Science	Animal nutrition	1	Mamit				20	20	40	20	20	40
10.7.2013	Farmers	Disease management	Animal Science	Disease management	1	KVK Hall				20	20	40	20	20	40
15.5.2013	Farmwomen	Value addition	Home Science	Value addition	1	Aizawl				-	25	25	-	25	25
25.6.2013	Farmwomen	Value addition	Home Science	Value addition	1	KVK Hall				-	25	25	-	25	25

18.9.2013	Farmwomen	Women empowerment	Home Science	Women empowerment	1	KVK Hall				-	25	25	-	25	25
28.6.2013	Farmers	IPM in Rice	Plant Protection	Integrated Pest Management	1	Dialdawk				20	20	40	20	20	40
27.6.2013	Farmers	IPM in Citrus	Plant Protection	Integrated Pest Management	1	Hmunpui				26	20	46	26	20	46
25.6.2013	Farmers	IPM in Mango	Plant Protection	Integrated Pest Management	1	Rawpuichhip				27	20	47	27	20	47
4.7.2013	Farmers	IPM in Vegetables	Plant Protection	Integrated Pest Management	1	Darlak				20	20	40	20	20	40
9.7.2013	Farmers	IPM in Banana	Plant Protection	Integrated Pest Management	1	KVK Hall				43	40	83	43	40	83
4.7.2013	Farmers	IPM in Rice	Plant Protection	Integrated Pest Management	1	Darlak				20	20	40	20	20	40
10.7.2013	Farmers	IPM in Citrus	Plant Protection	Integrated Pest Management	1	Sairilzo				20	12	32	20	12	32
15.11.2013	Farmers	IDM in Rice	Plant Protection	Integrated Disease Management	1	Mamit				20	12	32	20	12	32
15.11.2013	Farmers	IDM in Vegetables	Plant Protection	Integrated Disease Management	1	Mamit				20	12	32	20	12	32
10.7.2013	Farmers	IDM in Mango	Plant Protection	Integrated Disease Management	1	KVK Hall				40	40	80	40	40	80
4.10.2013	Farmers	IDM in Banana	Plant Protection	Integrated Disease Management	1	W.Phaileng				20	12	32	20	12	32
26.11.2013	Farmers	IDM in vegetables	Plant Protection	Integrated Disease Management	1	Dialdawk				15	5	20	15	5	20
27.9.2013	Farmers	Bio-control in Rice	Plant Protection	Bio-Control of Pests & diseases	1	Dialdawk				15	2	17	15	2	17
3.12.2013	Farmers	Citrus rejuvenation	Plant Protection	IPM	1	Hmunpui				13	10	23	13	10	23
1.2.2014	Rural youth	Citrus rejuvenation	Plant Protection	IPM	1	Sairilzo				14	10	24	14	10	24
9.6.20	Farm	Integrat	Fisher	Integrat	1	KVK				23	20	43	23	20	43

13	ers	ed Fish Farming	y	ed Fish Farming		Hall									
25.6.2013	Farmers	Integrated Fish Farming	Fishery	Integrated Fish Farming	1	Rawpuichhip				30	7	37	30	7	37
15.11.2013	Farmers	Integrated Fish Farming	Fishery	Integrated Fish Farming	1	Mamit				35	7	42	35	7	42
4.7.2013	Farmers	Integrated Fish Farming	Fishery	Integrated Fish Farming	1	Darlak				35	7	42	35	7	42
10.6.2013	Farmers	Carp breeding and hatchery management	Fishery	Carp breeding and hatchery management	1	KVK Hall				20	20	40	20	20	40
27.6.2013	Farmers	Carp breeding and hatchery management	Fishery	Carp breeding and hatchery management	1	Hmunpui				23	20	43	23	20	43
4.10.2013	Farmers	Carp breeding and hatchery management	Fishery	Carp breeding and hatchery management	1	W.Phaileng				23	20	43	23	20	43
4.7.2013	Farmers	Carp fry and fingerling rearing	Fishery	Carp fry and fingerling rearing	1	Darlak				10	5	15	10	5	15
25.4.2013	Farmers	Composite fish culture	Fishery	Composite fish culture	1	KVK Hall				15	5	20	15	5	20
15.11.2013	Farmers	Composite fish culture	Fishery	Composite fish culture	1	Bawngva				22	11	33	22	11	33
4.10.2013	Farmers	Composite fish culture	Fishery	Composite fish culture	1	W.Phaileng				22	11	33	22	11	33
9.7.2013	Farmers	Production technologies	Agro-forestry	Production technologies	1	KVK Hall				23	20	43	23	20	43
25.6.2013	Farmers	Production technologies	Agro-forestry	Production technologies	1	Rawpuichhip				30	10	40	30	10	40
27.6.2013	Farmers	Production technologies	Agro-forestry	Production technologies	1	Hmunpui				30	15	45	30	15	45
25.6.2013	Farmers	Production technologies	Agro-forestry	Production technologies	1	Rawpuichhip				20	15	35	20	15	35
10.7.2013	Farmers	Nursery management	Agro-forestry	Nursery management	1	KVK Hall				20	20	40	20	20	40
27.6.2013	Farmers	Nursery management	Agro-forestry	Nursery management	1	Hmunpui				10	5	15	10	5	15
10.7.2	Farm	Integrat	Agro-	Integrat	1	KVK				15	5	20	15	5	20

013	ers	ed farming system	forestry	ed farming system		Hall									
26.11.2013	Farmers	Integrated farming system	Agro-forestry	Integrated farming system	1	Dialdawk s				15	4	19	15	4	19
7.1.2014	Rural youth	Mushroom production	Plant protection	Mushroom production	1	KVK complex				5	5	10	5	5	10
24.3.14 - 3.4.14	Rural Youth	Poultry production	Animal Science	Poultry production	10	KVK complex	1	-	1	-	-	-	1	-	1
24.2.2014	Extension Personnel	Productivity enhancement in field crops	Plant protection	Productivity enhancement in field crops	1	KVK complex				15	4	19	15	4	19
24.2.2014	Extension Personnel	Integrated Pest Management	Plant protection	Integrated Pest Management	1	KVK complex				15	4	19	15	4	19
25.2.2014	Extension Personnel	Rejuvenation of Old Orchard	Horticulture	Rejuvenation of Old Orchard	1	KVK complex				15	4	19	15	4	19
25.2.2014	Extension Personnel	Protected Cultivation Technology	Horticulture	Protected Cultivation Technology	1	KVK complex				15	4	19	15	4	19
26.2.2014	Extension Personnel	Management in Farm animals	Animal Science	Management in Farm animals	1	KVK complex				15	4	19	15	4	19
27.2.2014	Extension Personnel	Livestock feed and fodder production	Animal Science	Livestock feed and fodder production	1	KVK complex				15	4	19	15	4	19
28.2.2014	Extension Personnel	Extension Education	Animal Science	Extension Education	1	KVK complex				15	4	19	15	4	19
TOTAL										**1204**	**869**	**2073**	**1204**	**869**	**2073**

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
					Male	Female	Total	Type of units	Number of units	Number of persons employed	
Poultry	19-21 June, 2013	Poultry farming		3	3	1	4				

*training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes

Sl. No	Date	Title	Discipline	Thematic area	Duration (days)	Client (PF/RY/EF)	No. of courses	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
								Others			SC/ST			Total				
								Male	Female	Total	Male	Female	Total	Male	Female	Total		
Total																		

3.4. Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, Kisan Mela, Exhibition, Diagnostic Visit, etc) during 2013-14

Sl. No.	Extension Activity	Purpose/ topic and Date	No. of activities	Participants											
				Farmers (Others) (I)			SC/ST (Farmers) (II)			Extension Officials (III)			Grand Total (I+II+III)		
				Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1.	Diagnostic visits		156				130	20	**150**			6			156
2.	Advisory Services		480				430	40	**470**			10			480
3.	Awareness Camp		-												
4.	Training manual		5				200	40	**240**			-			240
5.	Celebration of important days		2				-	-				40			40
6.	Exhibition		2 (during National Conference & ATMA)												LS
	Exposure visits		1				35		**35**						35
7.	Farm Science Club Conveners meet		-												
8.	Farmer- Scientist Interaction		1				40	-	40			-			40
9.	Farmers Seminar		-												
10.	Farmers Visit to KVK		85				54	10	64			21			85
11.	Group meeting/ discussion		-												
12.	Field Day		7				140	10	150			5			155
13.	Film Show		-												
14.	Group meetings		-												
15.	Kisan Gosthi		-												

16.	Kisan Mela		-												
17.	Lectures delivered as resource persons		5				140	-	140			-			140
18.	Mahila Mandal Conveners' meetings		-												
19.	Method Demonstrations														
20.	Scientists visit to farmers field		75				65	10	75						75
21.	Self Help Group Conveners meetings		-												
22.	Soil health Camp		-												
23.	Soil test campaigns		-												
24.	Workshop		-												
25.	Others (Pl. specify)														
26.	Farmers Field School (RKVY)		9 (citrus & kharif) 5 (rabi)				240	-	240			-			240
27.	Inter KVK visit within Mizoram		1				-	-				5			5
28.	Animal health camps		2				40	40	80						80
29.	Newspaper coverage		8						LS						LS
30.	Film show		2				60	20	80						80
31.	Method Demonstration		10				100	50	150						150
32.	Extension literature		5				75	75	150						150
33.	Group meeting		2				10	10	20						20
34.	Awareness Camp		-						-						-

35.															
Grand Total			**834**				**1449**	**160**	**1609**			**87**			**1696**

* Example for guidance only

3.5 Production and supply of Technological products during 2013-14

a. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
CEREALS	Paddy	CAU-R1	10	15000	10
OILSEEDS					
PULSES	Field Pea	Arkel	1.0	4000	10
VEGETABLES	French Bean	Arka Anoop	0.05	1000	10
	Okra	Prabhani Kranti	0.06	600	10
FLOWER CROPS					

OTHERS (Specify)	**Ginger**		0.35	2100	5

SUMMARY

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
1	CEREALS	1.0	15000	10
2	OILSEEDS			
3	PULSES	0.1	4000	10
4	VEGETABLES	0.011	1600	20
5	FLOWER CROPS			
6	OTHERS/ginger	0.035	2100	5
TOTAL		**1.146**	**22,700**	**45**

b. PLANTING MATERIALS (Nos. in lakh)

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS					
SPICES					
VEGETABLES	**Brinjal**	**-**	**0.005**	**1000**	**25**
	Tomato	**NP-503**	**0.03**	**2000**	**60**
	Cauliflower	**NP-2801**	**0.01**	**1000**	**20**
	Chilli	**Pusa Jwala**	**0.001**	**500**	**10**
	Broccoli	**Aishwarya**	**0.04**	**3000**	**80**
	Cabbage	**Bahar, Improved**	**0.04**	**3000**	**70**

		Bahar			
FOREST SPECIES					
ORNAMENTAL CROPS					
PLANTATION CROPS					
Others (specify)					
Total			**0.126**	**10500**	**265**

SUMMARY

Sl. No.	**Major group/class**	**Quantity (Nos. in lakh)**	**Value (Rs.)**	**Provided to** **No. of Farmers**
1	FRUITS			
2	VEGETABLES	**0.126**	**10500**	**265**
3	SPICES			

4	FOREST SPECIES			
5	ORNAMENTAL CROPS			
6	PLANTATION CROPS			
7	OTHERS			
	TOTAL	**0.126**	**10500**	**265**

c. BIO PRODUCTS

Major group/class	**Product Name**	**Species**	**Quantity**		**Value (Rs.)**	**Provided to No. of Farmers**
			No	**(qt)**		
BIOAGENTS						
BIOFERTILIZERS						
1. Vermicompost	**Vermicompost**	-		**10**	**12000**	**10**
2						
3						
4						
BIO PESTICIDES						
1						
2						
3						
4						

SUMMARY

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	(kg)		
1	BIOAGENTS					
2	BIO FERTILIZERS	**Vermicompost**		**1000**	**12000**	**10**
3	BIO PESTICIDE					
	TOTAL			**1000**	**12000**	**10**

d. LIVESTOCK

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos)	Kgs		
	Cattle	**NA**	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**
	SHEEP AND GOAT	**NA**	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**
	POULTRY	**NA**	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**
FISHERIES		**NA**	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**

		NA	**NA**	**NA**	**NA**	**NA**
Others (Specify)		**NA**	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**
		NA	**NA**	**NA**	**NA**	**NA**

SUMMARY

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	Kgs		
1	CATTLE	**NA**	**NA**	**NA**	**NA**	**NA**
2	SHEEP & GOAT	**NA**	**NA**	**NA**	**NA**	**NA**
3	POULTRY	**NA**	**NA**	**NA**	**NA**	**NA**
4	FISHERIES	**NA**	**NA**	**NA**	**NA**	**NA**
5	OTHERS	**NA**	**NA**	**NA**	**NA**	**NA**
	TOTAL	**NA**	**NA**	**NA**	**NA**	**NA**

3.6. Literature Developed/Published (with full title, author & reference) during 2013-14

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)

(B) Literature developed/published

Item	Title	Authors name	Number of copies
Research papers	NA	NA	NA
1.	NA	NA	NA
2.	NA	NA	NA
3.	NA	NA	NA

Training manuals	Nursery Management Composite fish culture IPM in Paddy & IPM in Citrus Piggery Management Importance of Agroforestry	Dr. Rohit Shukla Md Mintul Ali, Vanlalhruaia, Dr. C.Rinawma, Lalrinsangi	100 each
Technical reports	NA	NA	NA
1.	NA	NA	NA
2.	NA	NA	NA
3.	NA	NA	NA
Book/ Book Chapter	NA	NA	NA
Popular articles	NA	NA	NA
Technical bulletins	NA	NA	NA
Extension bulletins	NA	NA	NA
Newsletter (Mizoram Agriculture Research)	1.Sarang In chhunga Tomato chin hi a tha. 2. bawrhsaiabe hlawk zawka chin dan. 3.Mamit District a buh leh sangha chin. 4.IPM hmanga buh kung nget leh hnah zialtu pangang enkawl dan 5.Agroforestry awmzia leh pawimawhna	Dr. Rohit Shukla, SMS(Hor) Md Mintul Ali, SMS(Fishery) Vanlalhruaia, SMS(PP) Lalrinsangi, SMS(Agroforestry)	200
Conference/ workshop proceedings	NA	NA	NA
Leaflets/folders		Dr. Rohit Shukla & Md Mintul Ali, Vanlalhruaia, Dr. C.Rinawma, Lalrinsangi	150
e-publications	NA	NA	NA
Any other (Pl. specify)	NA	NA	NA
TOTAL			**850**

N.B. Please enclose a copy of each. In case of literature prepared in local language, please indicate the

title in English

(C) Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
NA	**NA**	**NA**	**NA**

3.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)

3.8 Give details of innovative methodology/technology developed and used for Transfer of Technology during the year

3.9 Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
NA	**NA**	**NA**	**NA**

3.10 Indicate the specific training need analysis tools/methodology followed for

- Identification of courses for farmers/farm women
- Rural Youth
- Inservice personnel

3.11 Field activities

i. Number of villages adopted

ii. No. of farm families selected

iii. No. of survey/PRA conducted

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab :

1. Year of establishment :
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1			
2			
3			
Total			

3. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples				
Water Samples	NA	NA	NA	NA
Plant Samples	NA	NA	NA	NA
Petiole Samples	NA	NA	NA	NA
Total	NA	NA	NA	NA

4.0. IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period only)

Name of specific technology/skill transferred	**No. of participants**	**% of adoption**	**Change in income (Rs.)**	
			Before (Rs./Unit)	**After (Rs./Unit)**

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

4.3 Details of impact analysis of KVK activities carried out during the reporting period

5.0. LINKAGES

5.1 Functional linkage with different organizations

Name of organization	**Nature of linkage**
1. ATMA	Farmers Scientists Interaction, Trainings, etc.
2. Agriculture Department, Mizoram.	Trainings
3. AH & Vety Deoartment, Mizoram	Vaccination Camp

4. Village Councils	Conducting trainings
5. IGNOU	Diploma courses in Poultry Farming

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other.

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies during 2013-14

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
RKVY	IPM Orientation Training & Farmers Field School	2013		

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

Sl. No.	Programme	Nature of linkage	Remarks
1	Farmers' Scientists Interaction	Financial	
2	Dissemination of Technologies	Financial	

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
NA	NA	NA	NA
NA	NA	NA	NA

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
NA	NA	NA	NA
NA	NA	NA	NA

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2013-14

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of estd.	Area	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	

6.2 Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Rice	20.6.2013	10.11.2013	0.5	CAU-R1	Seeds	10 qtl.		15000	Distributed to 10 farmers
Wheat									
Maize									
Any other									
Pulses									
Green gram									
Black gram									
Arhar									
Lentil									
Field Pea	7.11.13	22.1.14	0.05	Arkel	Seeds	1 qt.		4000	Distributed to 10 farmers

French Bean	7.11.13	22.1.14	0.03	Arka Anoop	Seeds	0.05 qt.		1000	Distributed to 10 farmers
Oilseeds									
Mustard									
Soy bean									
Groundnut									
Any other									
Fibers									
i.									
ii.									
Spices & Plantation crops									
i. Ginger	1.5.13	10.1.14		Local	Seeds	0.35 qt.		2100	Distributed to 10 farmers
Floriculture									
i.									
ii.									
Fruits									
i.									
ii.									
Vegetables									
i. Okra				Prabhani Kranti	Seeds	0.05 qt.		500	Distributed to 10 farmers
ii.									
a. Others (specify)									
i.									
ii.									

6.3 Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl. No.	Name of the Product	Qty.	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	

6.4 Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed/ species	Type of Produce	Qty.	Cost of inputs	Gross income	
NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.5 Utilization of hostel facilities (Month-Wise) during 2013-14

Accommodation available (No. of beds) :

Months	Title of the training course/Purpose of stay	Duration of Training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
February, 2014	Watershed Management	5 days	19	95	NA
March, 2014	Poultry Management	10	1	10	NA
Total					
Grand total		**15**	**20**	**105**	**NA**

Note: (Duration of the training course X No. of trainees)=Trainee days

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute	NA	NA	NA
With KVK	State Bank of India	Lengpui	11821318372

7.2 Utilization of funds under FLD on Maize *(Rs. In Lakhs) if applicable*

Item	Released by ICAR/ZPD		Expenditure		Unspent balance as on 31st March, 2014
	2010–11	2011-12	2012-13	2013-14	
Inputs	NA	NA	NA	NA	NA
Extension activities	NA	NA	NA	NA	NA
TA/DA/POL etc.	NA	NA	NA	NA	NA
TOTAL	NA	NA	NA	NA	NA

7.3 Utilization of KVK funds during the year 2013 -14

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**	75.36		75.36
2	**Traveling allowances**	2.00		2.00
3	**Contingencies**	12.14		12.14
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		**89.5**		**89.5**
B. Non-Recurring Contingencies				
1	**Works**			

2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND		1.46541		0.1
GRAND TOTAL (A+B+C)		**90.96541**		**89.6**

7.4 Status of revolving fund (Rs. in lakhs) for last three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2011 to March 2012	1.43	NIL	0.34708	1.08292
April 2012 to March 2013	1.08292	0.28249	NIL	1.36541
April 2013 to March 2014	1.36541	0.2	0.1	1.46541

Note: No KVK must leave this table blank

8.0 Please include information which has not been reflected above.

(Write in detail)

8.1 Constraints

a) Administrative:

1. Vehicles for field inspectors: - The Kendra covers 86 villages located at remote and isolated places in the hills. The technical staff needs to visit the farmers and demonstration site quite often. One light vehicle is not sufficient for efficient monitoring of the going works. Therefore other vehicles may be provided for this KVK for better and efficient administration and monitoring of field works.

2. Water problem :- There is water scarcity during the dry season even for drinking, therefore, could not meet the farm water requirements. More public water connection should be made and construction of water harvesting structures.

b) Financial:

Fund channeling is very slow and complicated which creates a lot of problems. Better and quicker ways may be sought. With the present limited fund allocation no much achievement can be expected. So, more funds may be allocated to the KVK.

c) Technical:
1. Right technology for OFTs and FLDs.
2. Training for KVK staff is needed.
3. Laboratories need be set up in running conditions.
4. A new tractor is required for farm works.

Sd/-

(Dr. VANLALHRUAIA HNAMTE)
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KVK Mamit District, Lengpui,
Mizoram.