ANNUAL REPORT OF KVK MAMIT, 2011-12

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-796410	0389-2573337	0389-2573338	kvkmamit@yahoo.in

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
Vanlalhruaia Hnamte	0389-2315762	09436152189	kvkmamit@yahoo.in

1.4. Year of sanction: 2005

1.5. Staff Position (As on 31st March, 2012)

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	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 Specialist	Md.Mintul Ali	S.M.S.	Fishery	15600+5400	17550	22.4.08	Permanent	Other
4	Subject Matter Specialist	Lalrinsangi	S.M.S.	Agro-forestry	15600+5400	17550	22.4.08	Permanent	ST
5	Subject Matter Specialist	Dr. C. Rinawma	S.M.S.	Animal Science	15600+5400	18060	22.4.08	Permanent	ST
6	Subject Matter Specialist	Dr.Rohit Shukla	S.M.S.	Horticulture	15600+5400	17550	22.4.08	Permanent	Other
7	Subject Matter Specialist	Vanlalhruaia	S.M.S.	Plant Protection	15600+5400	17550	17.11.11	Permanent	ST
8	Farm manager	K. Zohmingliani	Farm Manager	Agriculture	9300+4200	11580	22.4.08	Permanent	ST
9	Programme Assistant (Home Sc.)	Biakhlupuii Chenkual	Prog. Assistant	Home Science	9300+4200	11120	9.11.09	Permanent	ST
10	Computer Programmer	C. Ramdinsanga	Computer Programmer	Computer Science	9300+4200	11580	22.4.08	Permanent	ST
11	Accountant / Superintendent	Lalrinchhana	Accountant / Superintendent	Commerce	9300+4200	11580	22.4.08	Permanent	ST

12	Stenographer	B.Laldinpuii	Stenographer	N.A.	5200+2400	8420	29.2.08	Permanent	ST
13	Driver	Lalchungnunga	Driver	N.A.	5200+1900	6610	29.2.08	Permanent	ST
14	Driver	Lalchuailova	Driver	N.A.	5200+1900	6610	29.2.08	Permanent	ST
15	Supporting staff	Lallawmkima	Supporting staff	N.A.	4440+1900	5330	10.7.08	Permanent	ST
16	Supporting staff	P.C.Lalthanpuii	Supporting staff	N.A.	4440+1900	5330	10.7.08	Permanent	ST

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	2.0
2.	Under Demonstration Units	2.5
3.	Under Crops	3.0
4.	Orchard/Agro-forestry	2.0
5.	Others (specify)	17.5

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 (8)	ICAR for 6 Quarters and State Govt. For 2quarters	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
6.	Rain Water harvesting system	ICAR	8.310	NA	NA	NA	NA	NA
7.	Threshing floor	NA	NA	NA	NA	NA	NA	NA
8.	Farm godown	NA	NA	NA	NA	NA	NA	NA

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Maruti Gypsy (Hard Top)	2007	4,50,000.00	27732	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 CPU-E5200 2.49ghz, 0.99GB of RAM, Frontech LCD Monitor	2008	NA	Good Condition
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

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	11.04.2011	1. Dr. O.P. Singh, Director, Department of Agriculture (R&E), Govt of Mizoram 2. R.K. Nithanga, Programme Coordinator, KVK, Mamit District, Lengpui, Mizoram 3. K. Lalduhawma, DHO, Tuidam, Mamit District 4. Lyncy Lalrindiki, AEO, Mamit District	1. Development of package of practice on potato for Darlak 2. Intercropping of banana with ginger/turmeric/pulses 3. Two or three tier system of areca nut plantation with red oil palm 4. Training and production	yes

		5. Lalchhanhima, RO, S&WC, Lengpui 6. John L.T. Fala, VFA, Mamit District 7. F. Lalnienga, Farmer, Darlak, Mamit District 8. Vanlalkunga, Farmer, Lengte, Mamit District	technology of fodder grass (eg. Berseem, Tapioka, etc.) 5. Evaluation of locally available feed materials for animals 6. Production of agroforestry trees through grafting and layering 7. Trails on mechanical weeder for SRI 8. Rectification on various activities (OFT, FLD, training etc.) of the KVK	
2.	8.2.2012	1. Pu C. Lalniliana, Director, Department of Agriculture (R&E) & Chairman, SAC 2. Dr. K.A. Pathak, Joint Director, ICAR Kolasib 3. Pu. Vanlalhruaia Hnamte, Programme Coordinator, KVK, Mamit District & Member Secretary, SAC 4. Pu F. Vanlallawma DFDO, Mamit district 5. Pu R. Zakunga, Range Officer, Lengpui, Mamit district (On behalf of DFO) 6. Pu Lalneihthanga SMS (Research & Education) 7. Pu Vanlalkunga, Farmers representative, Lengte, Mamit district Subject Matter Specialists present: 1. Dr. C. Rinawma SMS (Anim Sc) 2. Henry Saplalrinliana SMS (Soil Sc) 3. Vanlalhruaia SMS (Plant Protection) 4. Dr. Rohit Shukla SMS (Horticulture) 5. Md Mintul Ali SMS (Fisheries) 6. Lalrinsangi SMS (Agro Forestry)	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 such as- i)Training of mushroom cultivation was also suggested by him. ii)expected good results from KVK and is looking forward to working alongside the trials and demonstrations. iii)more refined networking with sister departments. iv) Sitting allowance of Rs 300/- is to be maintained. v). On recent advancements towards acquiring Portable hatchery and circular cistern for ornamental fishes from CIFA, the Chairman cum Director of Agriculture (R&E) Pu C. Lalniliana suggested that concerned KVK's availing this service should pursue the matter on their own and submit logistics to the Directorate if required.	Being taken

**** 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)

S. No	Farming system/enterprise
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)

S. 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

S. 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 drained, hill side slopes and hill crest/top, moderate erosion, loamy skeletal texture	179606
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

S. No	Crop	Area (ha)	Production (Qtl)	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, 2011	191.58	22.2	17.1	96.7
May, 2011	272.82	24.4	18.9	99.0
June, 2011	464.0	24.5	22.4	99.0
July, 2011	799.3	24.4	22.1	99.0
August, 2011	417.37	25.5	22.0	99.0
September, 2011	559.65	24.5	22.0	99.0
October, 2011	815.43	22.6	16.4	99.0
November, 2011	868.0	17.0	14	99.0
December, 2011	868.0	16.7	8.6	99.0
January, 2012	270.38	15.5	8.0	97.0
February, 2012	280.0	16.9	9.9	95.0
March, 2012	345.67	21.2	14.1	90.94

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

Category	Population	Production	Productivity
Cattle			
Crossbred	135	Milk-147 ton	7.323 lt/cow
Indigenous	1972	Milk-224 ton	1.01 lt/cow
Buffalo	208	Milk-16 ton	0.975 lt/buffalo
Sheep			
Crossbred	75	NA	NA
Indigenous	2	NA	NA
Goats	1780	5 ton of meat	8.651 kg/goat
Pigs			
Crossbred	17545	204 ton of meat	92.141 kg/ pig
Indigenous	5806	NA	NA
Rabbits	92	NA	Na
Poultry			
Hens	31233	NA	NA
Desi	50092	22 lakh egg produced	80 nos./hen/ season
Improved	14627	4 lakh egg produced	205 nos./hen/ season
Ducks	104	NA	NA
Turkey and others	4	NA	NA

Category	Area	Production	Productivity
Fish	828	6020	7.27
Marine	NA	NA	NA
Inland	NA	NA	NA
Prawn	NA	NA	NA
Scampi	NA	NA	NA
Shrimp	NA	NA	NA

2.6 Details of Operational area / Villages (2011-12)

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area

1	W.Phaileng	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	W.Phaileng	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. <u>TECHNICAL ACHIEVEMENTS</u>

3. A. Details of target and achievements of mandatory activities by KVK during 2011-12

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

Soil Science	3	5	3	5	1	1	5	5
Agro-Forestry	3	3	3	3	1	NA	2	NIL
Animal Science	3	3	3	3	NA	NA	NA	NA
Horticulture	4	4	4	4	1	1	NA	3
Fisheries	2	2	2	2	NA	NA	NA	NA
Plant protection	1	NA	NA	NA	NA	NA	NA	NA

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	69	46	1625	1123	155	288	4984	2310
Rural youth	15	10	300	247			1533	
Extn. Functionaries	4	2	100	29			509	
Total	88	58	2025	1399	155	288	7026	2310

Seed Production (Qt.)		**Planting material (Nos.)**	
5		**6**	
Target	**Achievement**	**Target**	**Achievement**
Rice var. IR-64, 5 qtl.	5.0 qtl	Tamarind local, 500 nos.	500 nos.
Maize BA 61A, 0.10 qtl.	0.1 qtl.	Jackfruit local, 500 nos.	NA
Pop corn local, 0.10 qtl.	NA	Ngiau local, 1000 nos.	NA
Okra var. VRO-6 & Arka Anamika, 0.1 qtl.	VRO-6 – 0.05 qtl.	Brinjal var. pusa purple long, 2000 nos.	1000 nos.
Ginger Nadia, 5.0 qtl	NA	Chilli, var. pusa jwala, 2000 nos.	1000 nos.
		Cabbage var.Bahar, 2000 nos.	2000 nos.
		Broccoli var. Aiswaraya, 2000 nos.	1000 nos.
		Tomato var. NP-503, 2000 nos.	1500 nos.

3.B. Abstract of interventions undertaken

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	Varietal evaluation	Paddy	Low productivity of local variety under SRI method	Varietal evaluation of paddy	SRI	System of Rice Intensification (SRI)	-	-	-

2	Production of organic input	Vermicompost	Low production due to unsuitable biomass for vermicomposting	Comparison of different substrates for preparing Vermicompost	-	-	-	-	-
3	Nutrient management	Cabbage	Low productivity due to improper fertility management	Integrated nutrient management on cabbage	-	-	-	-	-
4	Nutrient management	Broccoli	Low productivity due to improper fertility management	Integrated nutrient management on Broccoli	-	-	-	-	-
5	Nutrient management	Cabbage	Low productivity due to improper fertility management	Soil fertility management on seasonal vegetables	-	-	-	-	-
6	Cropping system	Passionfruit & *Crotalaria tetragona*	Improvement on Yield of Passion fruit	Interaction of *Crotalaria tetragona* with *Passiflora edulis*	-	-	-	-	-
7	Cropping system	Pineapple & *Parkia roxburgii*	Economic Productivity of Pineapple	Multipurpose tree based Agroforestry System (*Parkia roxburgii* with Pineapple)	-	-	-	-	-
8	Cropping system	Neem	Suitable Agricultural Crop Neem based Agroforestry system	Interactions of Neem tree with Agricultural Crops	-	-	-	-	-
9	Varietal evaluation	Vanaraja	Dual purpose birds not utilized to its fullest	Varietal evaluation of dual purpose birds i.e Previous years OFT compared with Vanaraja	-	-	-	-	-
10	Varietal evaluation	Berseem, Lucerne, cowpea, Barley	Fodder crop not utilized within Mamit district	Varietal Evaluation of different fodder crops i.e. Berseem, Lucerne, cow pea, Barley	-	-	-	-	-
11	Varietal	Piglet	High piglet	Varietal	-	-	-	-	-

	evaluation	housing pen	mortality due to poor housing of the pen	Evaluation of piglet housing pen in reducing early piglet mortality					
12	Varietal evaluation	Okra var. VRO-6 and ArkaAnamika	Long crop duration of local variety	Varietal performance of Okra var. VRO-6 and ArkaAnamika	-	-	-	-	-
13	High density plantation	Banana var. Giant Cavendish	Low productivity due to wide spacing	High density plantation of banana var. Giant Cavendish*	-	-	-	-	-
14	Crop production	Passion fruit	Low productivity due to traditional method of cultivation	Standardization of package of practices for passion fruit cultivation under Mamit district condition	-	-	-	-	-
15	Crop production	Cabbage	Low productivity due to traditional method of cultivation	Standardization of package of practices for cabbage cultivation under Mamit district condition.	-	-	-	-	-
16	Feed management	Common carp	Low production due to poor feed management	Feeding carps with balanced diet	-	-	-	-	-
17	Integrated farming system	Duck & fish	Low production due to traditional farming practices	Duck cum fish farming	-	-	-	-	

3.1 Achievements on technologies assessed and refined

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	-	--	-	-	2
Seed / Plant production	-	-	-	-	1	1	-	-	-	2
Weed Management	-	-	-	-	-	-	-	-	-	
Integrated Crop Management	-	-	-	-		1		3		4
Integrated Nutrient Management	-	-	-	-	3	-	-	-	-	3
Integrated	-	-	-	-	-	-	-	-	-	-

Farming System										
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	1	-	-	-	-	-	-	-	-	1
TOTAL	2	-	-	-	5	2	-	3	-	12

* *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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Seed / Plant production	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Weed Management	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Integrated Crop Management	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Integrated Nutrient Management	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Integrated Farming System	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mushroom cultivation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Drudgery reduction	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Farm machineries	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Post Harvest Technology	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Integrated Pest Management	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Integrated Disease Management	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Resource conservation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

technology										
Small Scale income generating enterprises	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

***** *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	-	1		-	-	-	-	1
Nutrition Management	-	-	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-			-	-	
Production and Management	-	-	-	-	1	-	2	3
Feed and Fodder	1	-	-	-	-	-	-	1
Small Scale income generating enterprises	-	-	-	-		-	-	-
TOTAL	1	1	-	-	1	-	2	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	NA	NA	NA	NA	NA	NA	NA	NA
Nutrition Management	NA	NA	NA	NA	NA	NA	NA	NA
Disease of Management	NA	NA	NA	NA	NA	NA	NA	NA
Value Addition	NA	NA	NA	NA	NA	NA	NA	NA
Production and Management	NA	NA	NA	NA	NA	NA	NA	NA
Feed and Fodder	NA	NA	NA	NA	NA	NA	NA	NA
Small Scale income generating enterprises	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL	NA	NA	NA	NA	NA	NA	NA	NA

11). Results of On Farm Trials

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**
Varietal evaluation of paddy	Low productivity of local variety under SRI method	Identification of suitable rice variety among Shasharang, IR-64, Kala Zeera, Manipur, Wonder Rice under SRI method.	1	1.Duration(days) IR-64 (120) Shasharang (120) Kala zeera(152) Manipur (146) Wonder Rice (147) 2. Yield (qt/ha) IR-64 (35) Shasharang (32) Kala zeera(12) Manipur (34) Wonder Rice (37)	Farmers are ready to adopt IR-64 as short duration rice and Wonder Rice as long duration rice.	Refinements are needed in this trial in consequent year with other available varieties.	IR-64 – 2.1:1 Shasharang – 1.92:1 Kala zeera-1.08:1 Manipur - 2.04:1 Wonder Rice-2.22:1
Comparison of different substrates for preparing Vermicompost	Low production due to unsuitable biomass for vermicomposting	Identification of suitable biomass among wild banana pseudostem, water hyacinth and weed biomass	1	Days to composting : 1.Banana pseudostem (68 days) 2.Water hyacinth (63 days) 3. Weed biomass (72 days) Yield: 1.Banana pseudostem (5.2qt/bin of 6 cu.m) 2.Water hyacinth (4.8qt/bin of 6cu.m) 3. Weed biomass (4.9 qt/bin of 6 cu.m)	Farmers are ready to take up wild banana pseudostem although it takes longer duration than water hyacinth as it is more abundant.	More trials need to be taken up with other strains of worms.	1.Banana pseudostem-2.49:1 2.Water hyacinth – 2.3:1 3. Weed biomass – 2.26:1
Integrated nutrient management on	Low productivity due to improper fertility	Judicious use of manures and fertilizers (NPK-	1	Crop duration : 87 days Av. Head weight (kg) 1.3	Farmers are willing to accept the technology	More trials are required to be taken up at	3.12:1

cabbage	management	100:60:80, FYM-20t/ha,neem cake - 2t/ha, vermicompost – 5 t/ha)		Yield (qt/ha) 338		different soil conditions.	
Integrated nutrient management on Broccoli	Low productivity due to improper fertility management	Judicious use of manures and fertilizers (NPK-100:60:80, FYM-20t/ha, neem cake - 2t/ha, vermicompost – 5 t/ha)	1	Crop duration : 65days Av. Head weight (gm) 328 Yield (qt/ha) 73	Farmers are willing to accept the technology	More trials are required to be taken up at different soil conditions.	2.86:1
Soil fertility management on seasonal vegetables	Low productivity due to improper fertility management	Recommended land preparation method with judicious fertilizer use (Pit method, NPK-100:60:80, FYM-20t/ha,neem cake - 2t/ha, vermicompost – 5 t/ha)	1	Crop duration : 83days Av. Head weight (gm) 1.1 Yield (qt/ha) 310	Farmers are willing to accept the technology	More trials are required to be taken up at different soil conditions.	2.72:1
Varietal performance of Okra var. VRO-6 and ArkaAnamika	Long crop duration of local variety	Varietal evaluation of okra var.(VRO-6 & Arka Anamika)	3	**1. Days to fruiting** VRO-6 (47) Arka Anamika(56) Local(68) **2. Fruit length(cm)** VRO-6(15.9) Arka Anamika (18.2) Local (15.2) **3. Fruit weight (g.)** VRO-6 (12.3) Arka Anamika(13.2) Local (12) **4. Fruit diameter (cm)** VRO-6 (1.58) Arka Anamika (1.63) Local (1.58) **5. Yield(q/ha)** VRO-6 (93)	Farmers are ready to adopt okra variety Arka Anamika but they not preferred VRO-6.	Limited availability of quality seed and other inputs. More varieties are needed to evaluate.	VRO-6 (2.57:1) Arka Anamika (3.13:1) Local (2.52:1)

				Arka Anamika (113) Local (91)			
High density plantation of banana var. Giant Cavendish*	Low productivity due to wide spacing	High density banana plantation (Giant Cavendish) Planting spacing 1.2 X 1.8m., treatment of planting material with Carbofuran (Furadon 3 G) @ 40 g/plant, pit size 45 X 45 X 45 cm filled with mixture of 12kg FYM and top soil. NPK was applied @ 110g, 33gm and 330 gm each plant	3	**High Density Planting** 1. Pseudo stem height (185cm) 2. Pseudo stem girth (54cm) 3. Days to shooting (264) 4. Shooting to harvesting interval (125) 4. Bunch weight (11kg) 5. Yield(50.01t/ha) **Farmer practices** . Pseudo stem height (192cm) 2. Pseudo stem girth (56cm) 3. Days to shooting (266) 4. Shooting to harvesting interval (126) 4. Bunch weight (14kg) 5. Yield(15.55t/ha)	Due to higher initial cost few progressive farmers are ready to adopt high density planting of banana	Limited availability of quality disease free planting material and other inputs.	HDP (1.53:1) FP(1.43:1)
Standardization of package of practices for passion fruit cultivation under Mamit district condition	Low productivity due to traditional method of cultivation	Passion fruit production (var. yellow) Planting in May-June, Bower system of training, Pruning of old twigs in Dec. – Jan. Maintain one or two main stem, INM with split fertilizer application	3	**Improved practices** 1. No. of fruits/ plant(100) 2. Fruit weight (60g) 3. Fruit size(5.8X 5.3 cm) 4. Yield (37.50q/ha) **Farmer practices** 1. No. of fruits/ plant (45) 2. Fruit weight (58g) 3. Fruit size(5.7X 5.1 cm) 4. Yield (16.97q/ha)	Progressive farmers are ready to adopt improved package of practices	Limited availability of quality disease free planting material and other inputs.	Improved practice-2.44:1 Farmers' practice - 1.27:1

		Poison bait to minimize fruit fly infestation. Mulching to conserve moisture during dry period.					
Standardization of package of practices for cabbage cultivation under Mamit district condition.	Low productivity due to traditional method of cultivation	Production technology of cabbage Planting distance: 60 x 45 cm, seedling treatment with trichoderma @20% (200g per litre) for 15 minute at time of transplanting , nutrient management: FYM 20t/ha, N100kg, P60kg, K80kg/ha, light hoeing, earthing up 4-5 weeks after transplanting, timely irrigation and plant protection measures	3	**Improved practices** 1. Crop duration (85) 2. Head weight (1.4 kg) 3. Yield (311q/ha) **Farmer practices** 1. Crop duration(87) 2. Head weight(1.0 kg) 3. Yield(222q/ha)	Progressive farmers are ready to adopt improved package of practices	Limited availability of quality seed and other inputs	Improved practice-3.75:1 Farmers' practice - 2.92:1
Interaction of *Crotalaria tetragona* with *Passiflora edulis*	Low yield of Passion fruit	yield of passion fruit intercrop with Nitrogen fixing shrub	2	8 kg/plants Or 100qt/ha	Farmers are hesitated to adopt this technology since Passion fruit	More trials are required to be taken up.	Improved practice-2.22:1 Farmers' practice –

					intercropping was not popular		1.44:1
Multipurpose tree based Agroforestry System (*Parkia roxburgii* with Pineapple)	Economic Productivity of Pineapple	Technology option-1:farmers Practice- Cultivation of Pineapple. Technology option-2: Cultivation of Pineapple with *Parkia roxburgii.*	2	On-going	On-going	On-going	On-going
Interactions of Neem tree with Agricultural Crops	Suitable Agricultural Crop Neem based Agroforestry system	Technology Option-1: pure agricultural crops (Cowpea, Green gram, Soybean). Technology Option-2: Cultivation of Agricultural crops with Neem tree.	2	On-going	On-going	On-going	On-going
Varietal evaluation of dual purpose birds i.e Previous years OFT compared with Vanaraja	Dual purpose birds not utilized to its fullest	Vanaraja	1	Egg yield period against feed growth ratio Period of assessment: 8 months No of eggs/hen/month Vanaraja: 20.94 BV380: 13.8 Indigenous: 10 **Farmer practice-** Period of assessment : 8 months	Farmers are ready to adopt this variety after more trials	No marketing strategy for home grown poultry produce	Vanaraja 3.42:1 BV 380 - 2.66:1 Local breed - 3.02:1

				Yield/hen/month: 16.45			
Varietal Evaluation of different fodder crops i.e. Berseem, Lucerne, cow pea, Barley	Fodder crop not utilized within Mamit district	Berseem, Lucerne, cow pea, Barley	1	1. Feed analysis was performed by the Dept. Of AH and Vety, Govt. of Mizoram. 2. Crop duration (45-90 days) 3. Harvesting (every 45-90 days) 4. Milk Analysis (on-going) **Yield-** Mustard 125 (qt/ha) Berseem 210 (qt/ha) Lucerne 230 (qt/ha) **Farmers practice-** Mustard 140 (qt/ha) Berseem 190 (qt/ha) Lucerne 207 (qt/ha)	Farmers are ready to adopt this variety after more trials	Due to high cost of concentrated feed, locally available fodder cannot compensate the nutrients	Improved practice - 3.18:1 2.92:1 3.09:1 Farmer practice 3.56:1 2.64:1 2.78:1
Varietal Evaluation of piglet housing pen in reducing early piglet mortality	High piglet mortality due to poor housing of the pen	Separate piglet pen/rail	1	Backyard pig farmers rearing sows for piglet were provided piglet pen/rails and compared on piglet mortality and diseases due to overcrowding etc to those who did not provide such facility. Besides mortality due to scours/piglet anaemia mortality of piglets with provision of railings : 20.8% **Farmers' practice:** Mortality without railings:	Farmers are ready to adopt this variety after more trials	Sows are not capitalized for breeding and villagers often rely on imported piglets from Burma thus introducing diseased piglets and a cause to endemic	Improved practice - 3.57:1 Farmer practice 2.7:1

				32.8%		diseases.	
Feeding carps with balanced diet	Low production due to poor feed management	a). Fish stocking density @ 8,000 kg/ha b). Stocking ratio: Catla -20%, Silver carp-20%, Rohu-20%, Mrigal- 15%, Grass carp- 10% and Common carp-15%. c). Lime is applied @500 kg/ha/yr d). Feed ingredients: rice bran and mustard oil cake-1:1,mixed with mineral mixture @1% on daily basis e). Followed by application of Raw cow dung, Urea and SSP @ 20,000/ha, 240 kg/ha and 300 kg/ha respectively. f). Feeding rate: 3 % of the total biomass per day.	2	**Fish**: Growth rate- 315 g/fish/yr Productivity- 2520 kg/ha Mortality- 2% Disease- No **Control:** Growth rate- 61.22 g/fish/yr Productivity- 620 kg/ha Mortality- 5% Disease- No	Feeding of carp is essential and can easily be adopted in the district	a). Fish seed is the main bottleneck both in terms of quantity and quality b). Feed is not readily available	Improved practice-2.02:1 Farmers' practice - 1.48:1
Duck cum fish farming	Low production due to traditional farming practices	i). Fish stocking density @ 9,000 kg/ha ii).Stocking ratio: Catla -20%, Silver carp- 10%, Rohu-	2	**Fish**: Growth rate- 244 g/fish/yr Productivity- 2420 kg/ha Mortality- 2% Disease- No **Duck:**	Integrated farming can easily be adopted in the district	a).Feed: Not readily available b).Ducklings are not readily	Improved practice-2.55:1

		20%, Mrigal-20%, Common carp-20% and Grass carp-10%. iii).Lime is applied @ 500 kg/ha/yr iv).Ducks variety: Indian Runner and Khaki Campbell. Duck stocking density-500 nos./ha v).Duck shed constructed measuring 12ftX12ftX6ft vi).Ducklings were introduced 30 days before the release of fish fingerlings vii).Supplementary feed for ducks: paddy (70%), rice bran (28%), salt (0.5%) and mineral mixture (1.5%)		Growth rate-0.00397kg/day Productivity- 716.3 kg/ha Duck egg- 20608 nos. Mortality- 1.2% Disease- No **Control:** Growth rate- 61.22 g/fish/yr Productivity- 620 kg/ha Mortality- 5% Disease- No		available c).Stunted yearling: Not readily available d).Farmers are not aware of this technology	Farmers' practice - 1.43:1

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

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

List of technologies demonstrated during previous year and popularized during 2011-12 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Rice	System of Rice Intensification(SRI)	2	2	4

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

b. Details of FLDs implemented 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, Soiltype, altitude, etc)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ST	Others	Total					
1	Rice	Crop production	System of Rice Intensification (SRI)	Kharif, 2011	2	2	4	0	4	NA	Irrigated	310	12.4	120
2	Potato	Crop production	Improved production technology of potato	Nov2011-Feb 2012	1.0	1.0	5	-	5	NA	RF, Sandy loam	-	-	-

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	Rice	47	39	44	30	No. of tillers -42 Grain/panicle - 115 Yield- 44 qt/ha	No. of tillers -29 Grain/panicle -98 Yield- 28 qt/ha	19040	1040	1.97:1	1.63:1	1. Other productive rice varieties need to be introduced. 2. The system is more labour intensive than traditional method. 3. Tools and implements need to be improvised.	1. Yield is high 2. It is more labour intensive 3. More farmers may come up to adopt this technology.
2	Potato	202	178	190	1538	Average no of tuber per plant – 10.2 Average length of tuber(cm)- 8.7 Average width of tuber(cm)- 4.71 Average weight of tuber(g)-45.80	Average no of tuber per plant- 8.6 Average length of tuber(cm) - 6.4 Average width of tuber(cm)- 3.83 Average weight of tuber(g)- 39.83	58250	40360	2.59:1	2.25:1	Yield attributed characters are superior to the existing practices.	The villagers are motivated for adoption Progressive farmers from nearby villages have come forward for adoption

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 organised	Date	Number of participants	Remarks
1	Field days	2	15.11.2011 & 22.2.2012	35 & 30	Completed successfully
2	Farmers Training	2	21.06.2011 & 8.11.2011	30 & 20	Completed successfully
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		

**** 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								

Fishery Enterprises :

Enterprise	Breed (Sp.)	No. of farmers	Weight of fishes, nos., etc.	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	B:C ratio	Remarks
					Demon.	Local check			
Common carp	*Cyprinus carpio*	1. Demons. farmer-2 2. Local	Male- 4kg Female-4kg	1. Hatching percentage 2. Spawn	1. Hatching-54% 2. 162953 nos.	1.Hatching-48% 2. 109740	1. The hatching percentage was found 1.12 times	Demons.= 3.49:1 Local check=2.35:1	1. *Hapa* size-5mX1mX1m 2. *Hapas* were

		check-1		production	of spawn were recovered	nos. of spawn were recovered	higher in demonstration 2. In the demonstrated breeding the spawn recovery was found 48.50 % higher than local check		provided by the KVK. 3. Brood fish care were taken for the demonstrated brooders 4.Brood fish for local check was collected by the farmer from his own pond

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	On	Off	
(A) FARMERS & FARM WOMEN																							
I. Crop Production																							
Weed Management																							
Nutrient management	1	1	2							17	18	8	10	25	28	17	18	8	10	25	28	53	
Resource Conservation Technologies																							
Cropping Systems																							
Crop Diversification																							
Integrated Farming																							
Water management																							
Seed production		1	1								15		8		23		15		8		23	23	
Nursery management	1		1							15		10		25		15		10		25		25	
Integrated Crop Management																							
Fodder production																							
Production of organic inputs	1	1	2							15	17	10	6	25	23	15	17	10	6	25	23	48	
II. Horticulture																							
a) Vegetable Crops																							
Production of low volume and high value crops																							
Off-season vegetables																							
Nursery raising	1	1	2							13	15	11	10	24	25	13	15	11	10	24	25	49	
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							17		9		26		17		9		26		26
Management of young plants/orchards																						
Rejuvenation of old orchards																						
Export potential fruits																						
Micro irrigation systems of orchards																						
Plant propagation techniques	1	1	2							13	15	7	10	20	25	13	15	7	10	20	25	45
c) Ornamental Plants																						
Nursery Management																						
Management of potted plants																						
Export potential of ornamental plants																						
Propagation techniques of Ornamental Plants																						
d) Plantation crops																						
Production and Management technology		1	1								14		10		24		14		10		24	24
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	1	1	2							17	15	8	10	25	25	17	15	8	10	25	25	50
Soil and Water Conservation	1		1							20		4		24		20		4		24		24
Integrated Nutrient Management	1	1	2							14	15	9	10	23	25	14	15	9	10	23	25	48
Production and use of organic inputs	1		1							15		10		25		15		10		25		25
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							13		10		23		13		10		23		23

Poultry Management	1	1	2							15	15	10	10	25	25	15	15	10	10	25	25	50
Piggery Management	1	1	2							14	15	12	10	26	25	14	15	12	10	26	25	51
Rabbit Management																						
Disease Management	1		1							15		10		25		15		10		25		25
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 processing																						
Gender mainstreaming through SHGs																						
Storage loss minimization techniques																						
Value addition	1	1	2							-	-	25	25	25	25	-	-	25	25	25	25	50
Income generation activities for empowerment of rural Women	1	1	2									25	25	25	25			25	25	25	25	50
Location specific drudgery reduction																						

technologies																						
Rural Crafts																						
Women and child care																						
VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems	1		1							25		0		25	-	25		0		25		25
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	1		1							15		10		25		15		10		25		25
Integrated Disease Management																						
Bio-control of pests and diseases																						
Production of bio control agents and bio pesticides																						
VIII Fisheries																						
Integrated fish farming	1	1	2							12	15	10	10	22	25	12	15	10	10	22	25	47
Carp breeding and hatchery management																						
Carp fry and fingerling rearing	1	1	2							15	15	10	10	25	25	15	15	10	10	25	25	50

Composite fish culture	1	1	2							14	15	5	10	19	25	14	15	5	10	19	25	44
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 production	1	1	2							15	12	10	8	25	20	15	12	10	8	25	20	45
Organic manures production	1		1							15		10		25		15		10		25		25
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	1	2							15	15	10	10	25	25	15	15	10	10	25	25	50
Nursery management	1	1	2							17	15	6	10	23	25	17	15	6	10	23	25	48
Integrated Farming Systems	2	1	3							30	15	20	10	50	25	30	15	20	10	50	25	75
TOTAL	**27**	**19**	**46**							**386**	**256**	**269**	**212**	**655**	**468**	**386**	**256**	**269**	**212**	**655**	**468**	**1123**
(B) RURAL YOUTH																					
Mushroom Production																					
Bee-keeping																					
Integrated farming																					
Seed production																					
Production of organic inputs																					
Integrated Farming																					
Planting material production	1		1							17		5		22		17		5		22		22
Vermi-culture	1	1	2							15	20	8	10	23	30	15	20	8	10	23	30	53

Sericulture																						
Protected cultivation of vegetable crops																						
Commercial fruit production		1	1								18		12		30		18		12		30	30
Repair and maintenance of farm machinery and implements																						
Nursery Management of Horticulture crops		1	1								20		8		28		20		8		28	28
Training and pruning of orchards																						
Value addition																						
Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						
Quail farming																						
Piggery	1	1	2							14	16	10	11	24	27	14	16	10	11	24	27	51
Rabbit farming																						
Poultry production	1		1							15		11		26		15		11		26		26
Ornamental fisheries	1		1							12		4		16		12		4		16		16
Para vets																						
Para extension workers																						
Composite fish culture																						
Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						

Fish harvest and processing technology																						
Fry and fingerling rearing	1		1							18		3		21		18		3		21		21
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts																						
TOTAL	**6**	**4**	**10**							**91**	**74**	**41**	**41**	**132**	**115**	**91**	**74**	**41**	**41**	**132**	**115**	**247**
(C) EXTENSION PERSONNEL																						
Productivity enhancement in field crops																						
Integrated Pest Management																						
Integrated Nutrient management																						
Rejuvenation of old orchards	1		1							10		2		12		10		2		12		12
Protected cultivation technology																						
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																						
Livestock feed and fodder production																						
Household food security																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						
Production and use of organic inputs																						
Gender mainstreaming through SHGs																						
Any other 1.Soil testing/ collection techniques	1		1							13		4		17		13		4		17		17
TOTAL	2		2							23		6		29		23		6		29		29
GRAND TOTAL (A+B+C)	**35**	**23**	**58**							500	330	316	253	816	583	500	330	316	253	816	583	1399

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**
11.04.11	Farmers	Nutrient mgt. in paddy	Crop production	Nutrient management	1	On	-	-	-	17	8	25	17	8	25
11.04.11	Farmers	Vegetable	Horticulture	Nursery raising	1	On	-	-	-	13	11	24	13	11	24
28.04.11	Farmers	Soil fertility management	Soil Science	Soil fertility management	1	On	-	-	-	17	8	25	17	8	25

		in WRC													
20.05.11	Rural Youth	Pig mgt.	Animal Science	Piggery	1	On	-	-	-	14	10	24	14	10	24
23.05.11	Farmers	Vermi-compost production technology	Soil Science	Vermi-compost production	1	On	-	-	-	15	10	25	15	10	25
26.05.11	Farmers	Preparation of different types pickle	Home Science	Value addition	1	On	-	-	-	-	25	25	-	25	25
03.05.11	Farmers	Integrated fish farming	Fisheries	Integrated fish farming	1	On	-	-	-	12	10	22	12	10	22
20.05.11	Farmers	Nursery raising of Subabul	Agroforestry	Production technologies	1	On	-	-	-	15	10	25	15	10	25
13.06.11	Farmers	Cole crops	Horticulture	Nursery raising	1	Off	-	-	-	15	10	25	15	10	25
23.06.11	Rural Youth	Fry and fingerling rearing of carps	Fishery	Fry and fingerling rearing	1	On	-	-	-	18	3	21	18	3	21
24.06.11	Farmers	Dairy Management	Animal Science	Dairy Management	1	On	-	-	-	13	10	23	13	10	23
13.06.11	Farmers	Soil fertility management in upland maize	Soil Science	Soil fertility management	1	Off	-	-	-	15	10	25	15	10	25
26.07.11	Farmers	Integrated nutrient mgt. in maize	Crop production	Nutrient management	1	Off	-	-	-	18	10	28	18	10	28
08.07.11	Farmers	Integrated fish farming	Fisheries	Integrated fish farming	1	Off	-	-	-	15	10	25	15	10	25
12.07.11	Farmers	Preparation of pineapple jam	Home Science	Value addition	1	Off	-	-	-	-	25	25	-	25	25
12.07.11	Farmers	Production technologies	Agroforestry	Production technologies	1	Off	-	-	-	15	10	15	15	10	25
28.07.11	Farmers	Vermi-compost production technology	Soil Science	Vermi-compost production	1	Off	-	-	-	12	8	20	12	8	20
12.08.11	Farmers	Poultry Management	Animal Science	Poultry Management	1	On	-	-	-	15	10	25	15	10	25

04.08.11	Farmers	Seedling production	Agroforestry	Nursery management	1	On	-	-	-	17	6	23	17	6	23
03.08.11	Ext. Personal	Rejuvenation of Mandarin orchards	Horticulture	Rejuvenation of old orchards	1	On	-	-	-	10	2	12	10	2	12
28.08.11	Ext. Personal	Techniques of soil testing	Soil Science	Soil testing/ collection techniques	1	On	-	-	-	13	4	17	13	4	17
05.09.11	Farmers	Seed production of QPM	Crop production	Seed production	1	Off	-	-	-	15	8	23	15	8	23
07.09.11	Farmers	Cultivation of citrus	Horticulture	Cultivation of Fruit	1	On	-	-	-	17	9	26	17	9	26
29.09.11	Farmers	Poultry Management	Animal Science	Poultry Management	1	Off	-	-	-	15	10	25	15	10	25
29.09.11	Farmers	Soil and water conservation practices	Soil Science	Soil and water conservation	1	On	-	-	-	20	4	24	20	4	24
28.10.11	Farmers	Nursery mgt. of paddy	Crop production	Nursery management	1	On	-	-	-	15	10	25	15	10	25
12.10.11	Rural Youth	Pig mgt.	Animal Science	Piggery	1	Off	-	-	-	16	11	27	16	11	27
13.10.11	Rural Youth	Passion fruit production	Horticulture	Commercial fruit production	1	Off	-	-	-	18	12	30	18	12	30
18.10.11	Rural Youth	Vermi-culture	Soil Science	Vermi-culture	1	On	-	-	-	15	8	23	15	8	23
19.10.11	Farmers	Seedling production	Agroforestry	Nursery management	1	Off	-	-	-	15	10	25	15	10	25
3.11.11	Farmers	Compost production	Crop production	Production of organic inputs	1	On	-	-	-	15	10	25	15	10	25
01.11.11	Farmers	Propagation techniques of citrus and mango	Horticulture	Plant propagation techniques	1	On	-	-	-	13	7	20	13	7	20
15.11.11	Farmers	Carp fry and fingerling rearing	Fisheries	Carp fry and fingerling rearing	1	On	-	-	-	15	10	25	15	10	25
16.11.11	Farmers	Compost preparation	Soil Science	Organic manures production	1	On	-	-	-	15	10	25	15	10	25

25.11.11	Farmers	Preparation of pickles of seasonal vegetables.	Home Science	Income generation activities for empowerment of rural Women	1	On	-	-	-	-	25	25	-	25	25
02.12.11	Farmers	Vermi-compost production	Crop production	Production of organic inputs	1	Off	-	-	-	17	6	23	17	6	23
13.12.11	Farmers	Integrated Farming Systems	Agroforestry	Integrated Farming Systems	1	On	-	-	-	15	10	25	15	10	25
14.12.11	Farmers	Propagation techniques of passion fruit , pineapple & citrus	Horticulture	Plant propagation techniques	1	Off	-	-	-	15	10	25	15	10	25
08.12.11	Farmers	preparation of woolen sweater	Home Science	Income generation activities for empowerment of rural Women	1	Off	-	-	-	-	25	25	-	25	25
02.01.12	Farmers	Carp fry and fingerling rearing	Fisheries	Carp fry and fingerling rearing	1	Off	-	-	-	15	10	25	15	10	25
24.01.12	Farmers	INM in oil palm	Soil Science	Integrated Nutrient Management	1	On	-	-	-	14	9	23	14	9	23
25.01.12	Farmers	Piggery Management	Animal Science	Piggery Management	1	On	-	-	-	14	12	26	14	12	26
17.01.12	Farmers	Installation and maintenance of sprinkle irrigation	Agril. Engin.	Installation and maintenance of micro irrigation systems	1	On	-	-	-	25	-	25	25	-	25
20.01.12	Farmers	Integrated Farming Systems	Agroforestry	Integrated Farming Systems	1	On	-	-	-	15	10	25	15	10	25
06.01.12	Farmers	Integrated Farming	Agroforestry	Integrated Farming	1	Off	-	-	-	15	10	25	15	10	25

		Systems		Systems											
09.01.12	Rural Youth	Broiler mgt.	Animal Science	Poultry production	1	On	-	-	-	15	11	26	15	11	26
09.02.12	Farmers	Integrated nutrient management in cole crops	Soil Science	Integrated Nutrient Management	1	Off	-	-	-	15	10	25	15	10	25
28.02.12	Farmers	Composite fish culture	Fisheries	Composite fish culture	1	On	-	-	-	14	5	19	14	5	19
16.02.12	Rural Youth	Winter vegetable	Horticulture	Nursery mgt of horti. crops	1	Off	-	-	-	20	8	28	20	8	28
13.03.12	Farmers	Piggery Management	Animal Science	Piggery Management	1	Off	-	-	-	15	10	25	15	10	25
29.03.12	Farmers	Disease Management	Animal Science	Disease Management	1	On	-	-	-	15	10	25	15	10	25
27.03.12	Farmers	IPM on paddy	Plant Protection	Integrated Pest Management	1	On	-	-	-	15	10	25	15	10	25
13.03.12	Farmers	Composite fish culture	Fisheries	Composite fish culture	1	Off	-	-	-	15	10	25	15	10	25
06.03.12	Farmers	Potato cultivation	Horticulture	Production and mgt. technology	1	Off	-	-	-	14	10	24	14	10	24
14.03.12	Rural Youth	Production of forest trees	Agroforestry	Planting material production	1	On	-	-	-	17	5	22	17	5	22
22.03.12	Rural Youth	Vermi-culture	Soil Science	Vermi-culture	1	Off	-	-	-	20	10	30	20	10	30
29.03.12	Rural Youth	Breeding & rearing of ornamental fishes	Fishery	Ornamental fisheries	1	On	-	-	-	12	4	16	12	4	16
13.03.12	Farmers	Production of vermi compost by using banana pseudos stem	Soil Science	Production and use of organic inputs	1		-	-	-	15	10	25	15	10	25
Total					**58**					**830**	**569**	**1389**	**830**	**569**	**1399**

(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	
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	NA	NA	NA	NA	NA	NA

*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		
1	25-26th Nov., 2011	Training for BTMs & SMSs under ATMA, Mamit District	Soil Sc., Animal Sc., Fishery, Plant Protection	Soil Sc., Animal Sc., Fishery, Plant Protection	2	EF	10				3	6	9	3	6	9	ATMA	45,000/-
1	1-3rd Feb., 2012	Aquaculture for entrepreneurship	Fishery	Fish culture & breeding	3	PF	9				16	10	26	16	10	26	CIFA	NA
Total					5		19				19	16	35	19	16	35		

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)

Sl. No.	Nature of 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.	Field Day	1. SRI – 15.11.2011 2. Improved production technology of potato –	2				43	22	65	4		4	75	26	101

		22.2.2012														
2.	*Kisan Mela*	14-15.9.11	1				183	79	262	17	11	28	200	90	290
3.	*Kisan Gosthi*		NA												
4.	Exhibition		NA												
5.	Film Show	1. Breeding of ornamental fishes-03.02.12 2. Culture and trade of ornamental fishes-04.02.12 3. TPS-11.04.11 4. Farm mechanization-20..05.11	4				76	38	114	6	8	14	82	46	128
6.	Method Demonstrations		NA												
7.	Farmers Seminar		NA												
8.	Workshop		NA												
9.	Group meetings		NA												
10.	Lectures delivered as resource persons		10				139	57	196	14	6	20	153	63	216
11.	Newspaper coverage		7												
12.	Radio talks	Agriculture subjects	5												
13.	TV talks	NA	NA												
14.	Popular articles	NA	NA												
15.	Extension Literature	Fisheries, Animal Sc., Horti., Soil sc.	4				432	189	621	23	15	38	455	204	659
16.	Advisory Services	Fisheries, Animal Sc., Horti., Soil sc., Agroforestry, Home Sc.	17												45
17.	Scientific visit to farmers field	Fisheries, Animal Sc., Horti., Soil sc., Agroforestry	12				45	17	62				45	17	62
18.	Farmers visit to KVK	Fisheries, Animal Sc., Horti., Soil sc., Agroforestry, Home Sc., Plant Protection	170				340	122	462				340	122	462
19.	Diagnostic visits	Fisheries, Animal Sc., Horti., Soil sc., Agroforestry, Plant protection	51				82	19	101				82	19	101
20.	Exposure visits	4 .04.12	1				17	6	23				17	6	23
21.	Ex-trainees Sammelan		NA												
22.	Soil health Camp		NA												
23.	Animal Health Camp		1				69	35	104				69	35	104

24.	Agri mobile clinic		1				36	11	47				36	11	47
25.	Soil test campaigns		NA												
26.	Farm Science Club Conveners meet		NA												
27.	Self Help Group Conveners meetings		NA												
28.	MahilaMandals Conveners meetings		NA												
29.	Celebration of important days (specify) 1. Independence Day 2. Republic Day	 15th August, 2011 26th January, 2012	2				42	16	58	6	8	14	48	24	72
30.	Any Other (Specify)														
	Total		**288**				**1504**	**611**	**2115**	**70**	**48**	**118**	**1062**	**663**	**2310**

* Example for guidance only

3.5 Production and supply of Technological products

SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
CEREALS	**Rice**	**IR-64**	**5**	**10000**	**100**
	Maize	BA-61A	0.10	200	5
OILSEEDS					
PULSES					
VEGETABLES	Okra	VRO-6	0.05	250	10

FLOWER CROPS					
OTHERS (Specify)					

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
1	CEREALS	5.10	10200.00	105
2	OILSEEDS			
3	PULSES			
4	VEGETABLES	0.05	250.00	10
5	FLOWER CROPS			
6	OTHERS			
TOTAL		**5.15**	**10,450.00**	**115**

PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS	**Tamarind**	**Local**	**500**	**2500**	**50**
SPICES					
VEGETABLES	**Tomato**	**NP-503**	**1500**	**7500**	**40**
	Cabbage	**Bahar**	**2000**	**10000**	**50**
	Broccoli	**Aiswaraya**	**1000**	**5000**	**30**
	Brinjal	**Pusa Purple Long**	**1000**	**8000**	**40**
	Chilli	**Pusa Jwala**	**1000**	**5000**	**30**
FOREST SPECIES					
ORNAMENTAL CROPS					
PLANTATION CROPS					
Others (specify)					

SUMMARY

Sl. No.	Major group/class	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS	500	2500.00	50
2	VEGETABLES	6500	35500.00	190
3	SPICES			
4	FOREST SPECIES			
5	ORNAMENTAL CROPS			
6	PLANTATION CROPS			
7	OTHERS			
	TOTAL	**7000**	**38,000.00**	**240**

BIO PRODUCTS

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
	NA	**NA**	**NA**	**NA**	**NA**	**NA**
BIOAGENTS	**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**
BIOFERTILIZERS	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
3	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
4	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
BIO PESTICIDES	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
3	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
4	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

SUMMARY

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

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**	**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	**NA**	**NA**	**NA**	**NA**	**NA**
POULTRY	**Dual purpose**	**Vanraja**	**92**	**9.20**	**4,600.00**	**23**
FISHERIES	**Table fish**	**IMC & Exotic Carps**	**412**	**107**	**10,700.00**	**123**
Others (Specify)	**NA**	**NA**	**NA**	**NA**	**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					
2	SHEEP & GOAT					
3	POULTRY	**Vanraja**	**92**	**9.20**	**4,600.00**	**23**
4	FISHERIES	**IMC & Exotic Carps**	**412**	**107**	**10,700.00**	**123**
5	OTHERS					
	TOTAL					

3.6. Literature Developed/Published (with full title, author & reference)

(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			
Total			
Technical reports			
Newsletters			
Popular articles			
Leaflets/folders/bulletins	1. A Manual on Polyculture in Mizoram. 2. Kitchen Gardening 3. Soil Sample lak dan leh a pawimawhna te	1. Md. Mintul Ali & Dr. OP Singh 2. Rohit Shukla, RK Nithanga, Md Mintul Ali & Lalrinsangi 3. Henry Saplalrinliana	1000 1000 500
Total	3		
GrandTOTAL			

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	NA	NA	NA
2	NA	NA	NA

3	NA	NA	NA
Total			

3. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples	NA	NA	NA	NA
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).

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

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

4.2. Cases of large scale adoption = NA
(Please furnish detailed information for each case)

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

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1. State Agriculture Department	Participation in meeting, Conducting Training Programmes
2. IGNOU	Conducting Training Programmes
3. All Mizoram Farmers' Union	Conducting Training Programmes
4. Adventist Relief & Rehabilitation Agency	Conducting Training Programmes

5. Godrej Agrovet Ltd.	Conducting Training Programmes
6. District Rural Development Agency	Conducting Training Programmes
7. State Horticulture Department	Participation in meeting
8. CIFA- Central Institute of Freshwater Aquaculture	Conducting Training Programmes

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

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
NA	**NA**	**NA**	**NA**
NA	**NA**	**NA**	**NA**

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage	Remarks
1.	**Training of BTMs & SMSs**	**Financial assistance**	**Completed**

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**

5.5 Nature of linkage with National Fisheries Development Board

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of estt.	Area (ha.)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Dairy	2008	0.02	HF Cross	Milk				
2	Piggery	2010	0.002	yorkshire	NA	NA	NA	NA	NA
3	Poultry	2010	0.002	Vanaraja	Eggs	20.94 eggs/hen/month			

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									
Pulses									
Pigeonpea									
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
Okra	20.5.2011	25.8.2011	0.01	VRO-6	Fruits	100kg	1200	1500	
Broccoli	4.11.2011	16.1.2012	0.006	Aishwarya	Heads	32kg	800	960	
Tomato	10.11.2011	16.3.2012	0.005	NP-5024	Fruits	110kg	1200	2200	
Cabbage	4.11.2011	15.2.2012	0.01	Bahar	Heads	260kg	1300	1950	
Others (specify)									

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	
1	NA	NA	NA	NA	NA

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	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Cattle	Cross	Milk				
	Pig	Yorkshire					
	Poultry	Vanaraja	Eggs	**92 chicks (9.20kg)**		**4,600.00**	
2	Fish	IMC & exotic carps	Table fish	**107 Kg**	**7250.00**	**10,700.00**	**Sold to 123 farmers**

6.5 <u>Rainwater Harvesting</u>

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):

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)
April, 2011	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA
May, 2011	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA
June,2011	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA
July, 2011	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA
August, 2011	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA
September, 2011	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA
October 2011	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA
November 2011	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA
December 2011	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA
January 2011	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA
February 2011	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA
March 2011	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA
Grand total	NA	NA	NA	NA	NA

(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)*

Item	Released by ICAR/ZPD		Expenditure		Unspent balance as on 31st March, 2012
	2009-10	2010–11	2009-10	2010-11	
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 2011 -12

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**		73.40	73.40
2	**Traveling allowances**		1.30	1.30
3	**Contingencies**		**4.00**	**4.00**
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			1.40
B	POL, repair of vehicles, tractor and equipments			1.00
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			0.40
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			0.20
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			1.0
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)			**78.70**	**78.70**
B. Non-Recurring Contingencies				
1	**Works**	NA	NA	NA
2	**Equipments including SWTL & Furniture**	NA	NA	NA
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	NA	NA	NA
4	**Library** (Purchase of assets like books & journals)	NA	NA	NA
TOTAL (B)		NA	NA	NA
C. REVOLVING FUND		NA	NA	NA
GRAND TOTAL (A+B+C)			**78.70**	**78.70**

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 2009 to March 2010	33,706.00	44,452.00	-	78,158.00
April 2010 to March 2011	78,158.00	64,842	-	1,43,000.00
April 2011 to March 2012	1,43,000.00	NIL	34,708.00	1,08,292.00

8.0 Please include information which has not been reflected above (write in detail).

8.1 Constraints

a) Administrative:

1. Non furnishing of the Administrative building: - Though this Kendra has basic requirements of some training facilities like LCD Projector, White board, markers, slender plastic chairs etc. The Administrative building is not furnished sufficiently i.e. furnitures like almirah, tables, chairs etc. This creates problem in keeping office files and documents under safe custody.

2. 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.

3. Accommodation for staff: - More number of staff quarters may be set up to accommodate more members of the staff for better administration and also to renovate and refurnish the existing quarters. It may be appropriate to include the basic necessity of water and proper electric supply under this paragragh.

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. Non availability of inputs in right time.
2. Lack enthusiasm towards farming and its technologies.
3. Lack of systematic hard work on right technology.
4. Refresher training for KVK staff is needed.
5. Laboratories need be set up in running conditions.

6. The development at KVK farm of about 22ha is still in a very low profile which needs to be augmented at a faster rate with electricity, farm ponds, water harvesting structures, farm houses and properly fenced demarcation.
7. A new tractor is required for farm works.