PROFORMA FOR ANNUAL REPORT OF KVKS, 2012-13

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
KVK Yisemyong Post Box No-23 Mokokchung Nagaland	OFFICE 0369-2225121	FAX 0369-2225121	kvkmokokchung@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 Nagaland Kohima	0370-2243116	0370-2243970	agrilan@rediffmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Bendangyanger	-	9436004778	-

1.4. Year of sanction: 2003

1.5. Staff Position (As on 31st March, 2013)

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. Bendangyanger	I/C Programme Coordinator	APM	-	-	30.06.11	Temporary	ST
2	Subject Matter Specialist	Renbomo Ngullie	SMS (Horticulture)	Horticulture	15600 + 5400	19680+ 5400	24.05.06	Temporary	ST
3	Subject Matter Specialist	Akangtemjen	SMS (Entomology)	Entomology	15600 + 5400	19680+ 5400	24.05.06	Temporary	ST
4	Subject Matter Specialist	Dr. Rongsensusang	SMS (Vety. &AH)	Vety & AH	16380 + 5400	19680+ 5400	24.05.06	Temporary	ST
5	Subject Matter Specialist	Samuel Sangtam	SMS (Agronomy)	Agronomy	15600 + 5400	19680+ 5400	24.05.06	Temporary	ST
6	Subject Matter Specialist	Bendangjungla.I	SMS (PB &G)	PB &G	15600 + 5400	19680+ 5400	24.05.06	Temporary	ST
7	Subject Matter Specialist	Royuso Nakro	SMS (Extension)	Agri. Extension	15600 + 5400	18950 + 5400	13.11.07	Temporary	ST
8	Programme Assistant	Moainla	Programme Asstt.		10230 + 4200	13060 + 4200	24.05.06	Temporary	ST
9	Computer Programmer	I.Tangitla	Programme Asstt (Computer)		10230 + 4200	13060 + 4200	24.05.06	Temporary	ST
10	Farm Manager	-	-	-	-	-	-	-	-
11	Accountant / Superintendent	Meyatula	Office Supt-cum-Accountant		10230 + 4200	13060 + 4200	01.06.06	Temporary	ST
12	Stenographer	Imosangla	Jr. Steno-cum-Computer Operator		7440 + 2400	9390 + 2400	01.06.06	Temporary	ST
13	Driver-cum-Mechanic	Supongmeren	Driver		5680 + 1900	7180 + 1900	01.06.06	Temporary	ST
14	Driver-cum-Mechanic	Jongpongyanger	Driver		5680 + 1900	6150 + 1900	01.03.10	Temporary	ST
15	Supporting staff	Imkonglemla	Peon		4750 + 1300	5960 + 1300	01.06.06	Temporary	ST
16	Supporting staff	Aotoshi	Chowkidar		4750 + 1300	5130 + 1300	01.03.10	Temporary	ST

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1
2.	Under Demonstration Units	1
3.	Under Crops	3 (Instructional Farm)
4.	Orchard/Agro-forestry	2 ha
5.	Others (specify)	17.4

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	20.06.09	400	53.5 lakhs	28.09.07	400	completed
2.	Farmers Hostel	NA	NA	NA	NA	NA	NA	NA
3.	Staff Quarters (6)	ICAR	NA	200		2011	100	Completed
4.	Demonstration Units (5)	ICAR, Host & ATMA	2008 &2010	40	24,55,500 lakh	2008 &2013	-	Completed and going
		ICAR	Ongoing	7500	3.5	2011	-	Completed
5	Fencing	ICAR	30.09.11	800mtr	17.0 lakhs	2011	-	Completed

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Marshall	2004	5.4 lakhs	1,35,567 km	Need replacement

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
1. Computer	2004	70000	Good
2. Sound system	2005	60000	Good
3. Digital camera	2004	70000	Unserviceable
4. OHP	2004	5000	Good
5. Laptop	2008	37,000	Good
6. Handycam	2008	16,000	Out of order
7. Photocopier	2010	1,20,000	Good
8. Handycam	2010	18,000	Good
9. Computer	2010	45,000	Good
10. LCD projector	2010	55,000	Good

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

Mokokchung	**1**	**11/09/12**

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	11/09/12	1. E.H . Lotha, Director(Agri), & SNO 2. T.V. Holo, Jt. Director (Agri) 3. Tekatoshi Jt. Director (Agri) 4. Akala, Anouncer AIR Mokokchung 5. Kilemsungba, DHO 6. Dr. Imsun, VAS 7. Anik, AO, Mokokchung 8. Yashi Jamir, DFO 9. Dr. Bendangyanger, PO. SARS 10. Dr. I. Amenla, LTO, Agri 11. Lipok jr., Asst. agronomy, DAO, Mkg 12. T. Marchiba Jamir, Nagaland Banana chips, Changtongya 13. Bendang T. Jamir, DSO(Seri)	✓ Approval of all the publications ✓ Name of local check varieties to be indicated. ✓ Attention to be focused on sericulture ✓ Presentation of activities report and action plan	All the recommendations were refined and finalized for implementation of the programmes

		14. Lily Tep, SDO (Soil) 15. T. Wathy Jamir, Junior Engineer 16. Rongennungla DPD, ATMA, Mkg 17. All KVK staffs		

2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Agriculture +Horticulture
2	Agriculture + Veterinary
3	Agriculture + Fishery
4	Agriculture + Horticulture + Veterinary + Fishery

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

S. No	Agro-climatic Zone	Characteristics
1	Mid Tropical hill Zone	i. Hot and humid in the foot hills to moderate in the mid and high with heavy rainfall during summer
		ii. Moderate to extreme cold and dry in higher altitude during winter

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Sandy clay loam	20-35% clay 28% silt 45% more sand pH 4-5	1,20,000
2	Clay Loam	27-40% clay 20-45% sand Medium organic matter pH 4-5	40,000
3	Forest Soil	Broad leaves rain forest, evergreen, temperate climate, high organic matter, dark brown soil with pH 4	50

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

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1	Jhum paddy	11450	21880	19.10
2	TRC paddy	4935	15360	31.12
3	Maize	1130	1140	37.53
4	Tapioca	1050	308910	294.2
5	Mustard	270	187	6.92
6	Tomato	28	7600	271.4
7	Potato	125	9375	75
8	Colocassia	1500	1,80,000	120
9	Passion fruit	908	63560	70
10	Orange	460	20700	215
11	Banana	270	3888	144.4
12	Pineapple	340	238000	700
13	Pear	16	3500	218.7
14	Tea	520	3120	6 (made tea)
15	Arecanut	44	600	15

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April 2012	176.9	22.85	18.65	71.25
May	114.5	25.75	21.7	72
June	205.4	26.15	22.05	44.55
July	317.1	26.3	22.45	78.3
August	241.15	26.2	22.4	77.4
Sept	236.5	26.1	21.85	77.8
Oct	173.7	23.9	19.55	74.25
Nov	50	20.25	16.1	68.9
Dec	Nil	17.1	12.75	65.4
Jan 2013	Nil	15.9	11.9	66
Feb	200	20.1	15.8	64
March	206.6	22.7	18.12	66

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

Category	Population	Production	Productivity
Cattle			
Crossbred	620	502MT	3lit/day lactation period of 270 days
Indigenous	265	1	120kg in 12 months
Buffalo	-	-	-
Sheep			
Crossbred	**-**	**-**	**-**
Indigenous	**-**	**-**	**-**
Goats	162	972 kg	6-7 kg per year
Pigs			
Crossbred	14900	1266.5MT	85 kg in 12 months
Indigenous	-	-	-
Rabbits	-	-	-
Poultry			
Hens	-	-	-
Desi	111750	83.8MT	750gm in 6months
Improved	10000	10MT	1kg in one month
Ducks	-	-	-
Turkey and others	-	-	-

Category	Area	Production	Productivity
Fish	**-**	**-**	**-**
Marine	**-**	**-**	**-**
Inland	**-**	**-**	**-**
Prawn	**-**	**--**	**-**
Scampi	**-**	**-**	**-**
Shrimp	**-**	**-**	

2.6 Details of Operational area / Villages (2012-13)

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
1		Ongpangkong (N)	Chuchuyimpang, Ungma, Longsa	Paddy, Maize, Tapioca Ginger, Passion fruit Tea, Piggery, Poultry, weaving	Low productivity due to non adoption of improved technology, Majority of the farmers involved in cultivation of mix crops, lack of awareness on potentialities of floriculture, lack of irrigation facilities, unavailability of HYV seeds, post harvest management problem, lack of proper infrastructure and marketing network	Create awareness on fallow management and jhum intensification, Cultivation of both kharif and rabi vegetables, production of passion fruit, ginger, tapioca, tea on commercial scale, popularization of floriculture, handloom and handicraft, promotion of infrastructures and marketing network
2		Opangkong (s)	Chungtia, Aliba	Paddy, Maize, Tapioca Cucumber, Passion fruit, Ginger, Orange	Low productivity due to non adoption of improved technology, Indiscriminate use of inorganic products in cucumber cultivation, lack of awareness on INM, lack of upgrade dairy breeds, inadequate availability of fodder , insect pest problem, lack of extension activities	Create awareness on fallow management and jhum intensification, Organic Off season cucumber cultivation, development of dairy and fodder crops, production of orange.
3		Kobulong	Sungratsü Yimchalu	Paddy, Tapioca, Maize Passion fruit, ginger, Banana, Piggery, Poultry, Dairy, Sericulture	Low productivity due to non adoption of improved technology, lack of irrigation facilities, unavailability of HYV seeds, post harvest management problem, pest /disease problem in crops and silkworm, lack of processing unit and marketing, lack of spinning & weaving centers , lack of awareness on citronella cultivation, Inbreeding, disease and nutrition in piggery	Create awareness on fallow management and jhum intensification, To increase productivity of passion fruit, ginger and vegetables, promotion on spinning and weaving centre of sericulture, popularization of citronella cultivation, awareness on breeding programme, prevention and control of disease, scientific feeding management

4		Mangkolemba	Chungtia Yimsen Longnak, Longpayimsen	Paddy, Maize, Tapioca, Orange, Pineapple, Arecanut, Tea, betel vine, fishery, cattle, piggery	Unavailability of HYV (lowland paddy), Lack of knowledge on improved method of cultivation , lack of processing unit, insect pest and disease problem, lack of awareness on INM, poor skill in fishery pond management, financial constraint to take up in commercial scale, inadequate availability of ploughing bullock, swine diseases	Promotion of HYV (paddy), production of oilseed and pulses, production of orange, pineapple, arecanut, tea and fish. Breeding programme for cattle and training of draught animals, prevention & control of swine diseases
5		Longchem	Yachang (C) Aonokpo	Paddy, Tapioca, Maize, colocassia, Arecanut, betel vine, cattle, piggery	Unavailability of HYV (lowland paddy), Lack of knowledge and awareness on improved method of cultivation on plantation crops, lack of processing unit, lack of awareness on INM, financial constraint for commercial cultivation, inadequate availability of ploughing bullock, swine diseases	Promotion of HYV (paddy), Commercial cultivation of arecanut, tea, rubber, betel vine, colocassia, orange, production of oilseeds and pulses, Breeding programme for cattle and training of draught animals, prevention & control of swine diseases
6		Changtongya	Mongyis			

3. TECHNICAL ACHIEVEMENTS

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
Agronomy	3	2	9	6	5	4	32	20
Horticulture	2	2	8	11	4	3	8	6
Plant protection	1	1	3	3	1	1	3	2
GPB	5	4	14	11	1	1	4	4
Vety & A.H	2	2	10	10	1	1	400	380

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	36	37	860	920	119	141	1347	2431
Rural youth	11	8	270	185				
Extn. Functionaries	6	9	121	127				
Total	**53**	**54**	**1251**	**1232**	**119**	**141**	**1347**	**2431**

Seed Production (Qt.)		Planting material (Nos.)	
5		6	
Target	**Achievement**	**Target**	**Achievement**
35.5	17.69	500	250

3.B. Abstract of interventions undertaken

S. 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	Introduction of HYV	Banana	Low yield in local varieties	Banana tissue culture var. Grand Naine		Cultivation practices of tissue culture banana, variety – Grand Naine		Demonstration, field day	Planting material
2	Vegetable production	Cabbage	Unsuitable varieties	Varietal evaluation on cabbage				Demonstration, field day	Seed
3	Introduction of suitable high yielding variety	Broccoli	Lack of awareness in exotic crop cultivation		1. Cultivation of broccoli var. Pushpa 2. Cultivation of broccoli var. KTS-1	Package and practices of broccoli		Field day, demonstration	Seeds
4	Vegetable production	Tomato	Poor yield in locally cultivated varieties		Promotion of tomato var. Megha – 1 &10	Improved package of practices of tomato cultivation		Field days, leaflets, demonstration	Seed
5.	To increase production	Paddy	Low production in farmer's cultivars	Performance of upland paddy		Cultivation practices on upland paddy		Field day	Seed
6.	Introduction of high yielding suitable variety	Soybean	Lack of high yielding variety	Varietal evaluation on soybean		Cultivation practices on soybean		Demonstration, field day	Seed
7	To increase production	Pea	Lack of high yielding variety	Performance trail on pea				Field day Demonstration	Seed

8	Oilseed productio n	Toria	Lack of high yielding variety	Performan ce trail on Toria				Field day Demonstrati on	Seed
9	Pulse productio n	Pea	Lack of high yielding variety		Popularziati on on pea			Field day	Seed
10	Increas e product ion	Lowland paddy	Practice of mono cropping	Perform ance trial on Disang variety		Cultivati on of short duration paddy variety	-	Demonstr ation, field visit, diagnosti c visit field day	Seeds
11	Oilseed product ion	Toria	Lack of HYV toria	Perform ance trial on TS-67		Cultivati on practice s of toria	-	Demonstr ation, field visit, diagnosti c visit field day	Seed
12	Increas e in Product ion and product ivity	Paddy	Low productio n	-	Promotio n of SRI	Cultivati on of paddy under SRI		Demonstr ation, field visit, diagnosti c visit field day	Seeds
13	Pulse product ion	Pea	Low yield and less popular	-	Populariz ation on pea cultivatio n during rabi	Cultivati on of pea	-	Demonstr ation, field visit, diagnosti c visit field day, leaflets	Seed
14	Pulse product ion	Rice bean	Low yield, creeping type which require stalking in existing varieties	-	Populariz ation of dwarf Ricebean variety	Cultivati on of Ricebea n	-	Demonstr ation, field visit, diagnosti c visit field day.	Seed
15	Oilseed product ion	Toria	Low yield in existing varieties	-	High yield and moisture tolerant toria variety	Cultivati on of toria after paddy	-	Demonstr ation, field visit, diagnosti c visit field day.	Seed
16	Control of pest infestatio n	Banana	Inferior quality due to scarring beetle	Control of scarring beetle using perforated plastic bag	-	Managem ent of fruit scarring beetle of banana	-	Group discussion, method demonstrati on, advisory service, diagnostic visit.	Perforated plastic bag, planting material
17	Control of pest infestatio n	Toria (TS-36)	Low production due to aphid infestation	-	Bioefficacy of neem oil against aphid	IPM on oilseed	-	Group discussion, method demonstrati on, advisory service, diagnostic visit.	Neem oil, seeds

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	2	2	2		1					2
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System						1				1
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management										
Integrated Disease Management						1				1
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	2	2	2		1	2				9

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

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 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
Banana tissue culture var. Grand Naine	Low yield in local varieties	Grand Naine	5	Pl. ht- 6.53 ft No. of hand - 11 No. of finger/hand – 17 Yield – 63.71 t/ha	Good return, Irrigation problem	Under assured irrigation, large scale cultivation can be taken up	1:2.7
Varietal evaluation on cabbage	Unsuitable varieties	Savitri, wonder ball, Drum head	6	Head wt.- 1.1 kg Yield- 13.6 t/ha	Irrigation problem	Assessment on date of sowing may be taken up for increase production	1:2.1
Performance of Turkey at YIMCHALU-Mokokchung	Low growth performance of local poultry varieties	Turkey (Broad Breasted Bronze)	6	i) Avg. Body weight in 6 months Male= 4.5±0.5 Female= 3.9±0.3 ii) Mortality upto 3 months= 64% iii) Age at first egg= 8-9 months iv) Avg. No of eggs = 15 v) Hatching %= 66.66	Problem of high mortality at young stage	Care and management for reducing mortality at young stage upto 3 months	Break even expected only by the end of 2 year
Performance of Beetal cross with Assam Local breed of Goat	Less popular and low performance of existing local breeds	Beetal cross with Assam Local	5	Observations and recording Started from Nov. 2012 (ongoing)	Assessment is being carried out at Demo Unit	-	Ongoing
Performance of upland paddy variety	Low yield in local varieties	Bhalum-3 Kezei Tsukmerem	2	Plant height =89.30cm No.tillers = 7.10 No. of grains/panicle=210.5 Yield= 22.69qtl/ha	Good taste . Higher yield	More in depth research on location specific required.	1:2.1
Varietal evaluation on Soybean	Low yield in local varieties	RCS-1-1 RCS-1-9 RCS-1-10	3	Plant height = 56.6cm No.of branches/plant = 5.4 No. of Pods/plant =81.8 Yield= 14.21qtl/ha	RCS-1-1 gave better result. Lower infestation	Location specific on date of sowing is required	1:3.1
Performance trail on Pea	Low yield in local varieties	TRCP-8 TRCP-9	4	No.of seed /pod= 4.92 Length of pods =5.95 Yield=13.12qtl/ha	TRCP – 8 gave better result. Require stalking for better yield	Needs more improvement on no. of seed and length of pod	1:3.01

Performance trail on Toria	Low yield in local varieties	RCT-1 RCT-2 SCRT-1-2	2	Plant height =33.24cm No of branches /plant =5.85cm Yield = 7.4qtl/ha	SCRT-1-2 gave higher yield than local cultivar. Can be sown after jhum paddy	Research on nutritive value compared with existing local varieties	1:2.2
Management of scaring beetle using perforated plastic bag on banana	Inferior quality banana production	Management of beetles using perforated plastic bag on banana	3	Yield : Perforated plastic bag – 560q/ha Control-542.5 q/h	The technology gave better fruit quality and fetch higher prices	More research or lower cost of protection	1.3:1
Performance trial on Disang variety	Practice of mono cropping	Disang	3	Plant height- 81.83cm No. of tillers-10.33 length of panicle-22.8cm No. of grains per pancle - 119 Yield- 39.5qlt/ha	Disang variety gave better performance and shorter growth duration	More in-depth research on location specific is require.	1:3
Performance trial on TS-67	Lack of HYV toria	TS-67	3	Plant height- 98cm No. of branches -7 Yield – 6.2qlt/ha	Late sowing can be done and more moisture tolerant. Better yield than local varieties.	Comparative research on TS series varieties	1:2.3

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	Tomato	Megha-1&10	3	12	1.6
2	Broccoli	Pushpa	3	8	1.4
3	Paddy	SRI	2	4	0.5
4	Soybean	JS 335	3	6	1.5
5	Ricebean	Chakesang dwarf	3	6	1
6	Pea	Arkel	2	4	0.4
7	Toria	TS-36	3	9	1.5

**** 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	Tomato	Vegetable production	Megha-1 & 10	Rabi 2012	2	1	12	-	12	Financial constraint	RF, Clay loam, 720-1150msl	225.2	10.3	137
2	Broccoli	Veg. production	Pushpa	Rabi 2012	2	1	8	-	8	High cost of seed	RF, Clay loam. 680-1000msl	231.5	10.8	141
3	Pea	Pulse production	Arkel	Rabi 2012	2	2	4	-	4	-	RF, clay loam. 680-1000msl	190	8.6	128
4	Toria TS-36	Pest management	Use of neem oil against mustard aphid	Rabi 2012	1.5	0.75	3		3	-	Rainfed, clay loam, 850-120msl	165	9.5	125
5	Paddy	Resource conservation technology	SRI	Kharif, 2012	1	0.5	2		2	Poor adoption level and more labors	RF Clay loam 300- 820 msl	255	8.0	121
6	Pea	Pulse production	Arkel	Rabi 2012	4	1.5	6		6	Due to irrigation problem	RF Clay/silt loam	192	8.5	92
7	Ricebean	Pulse production	Chakhesang dwarf	Kharif 2012	4	0.75	5		5	Lack of seed available	RF Clay/silt loam	145	9.2	104
8	Toria	Oilseed production	TS-36	Rabi 2012	2	1.5	8		8	Due to standing paddy crop	RF Clay/silt loam	160	10.2	130

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	Tomato	298	201	249.5	168	Pl.ht- 48.5cm Disease incidence -6% Yield-298	Pl.ht- 49.3cm Disease incidence -28% Yield-168	298000	168000	1:2.6	1:1.7	High yield, Low pest/ disease incidence,	Good return from sale of tomatoes , Irrigation problem
2	Broccoli	71	43	57	44	Pl.ht- 30cm Head wt.- 347gm Yield-71q/ha	Pl.ht- 28.5cm Head wt.- 210gm Yield-44q/ha	142070	88160	1:2.04	1:1.7	Early planting may increase yield	High cost of seed, Irrigation problem
3	Pea	17.4	16.8	17.1	10.5	No. of pods/plant=38.9 Yield =17.1qtl/ha	No. of pods/plant=30.1 Yield =10.5qtl/ha	59850	36750	1:2.99	1:1.8	High yielding	Good return from sale of pea, Irrigation problem
4	Toria TS-36	8.75	8.15	8.45	7.25	Yield-8.45 q/ha Increase in yield over control-16.55%	Yield (control) - 7.25q/ha	42,250	36,250	2.81:1	2.58:1	Less pest infestation with higher yield in new technology	Convenient and ecofriendly approach of pest management
5	Paddy	34.5	32.5	33.5	29.5	Pl. height -110 Effective tillers-13 No.of grains/panicle-130	Pl. height -112 Effective tillers-11 No.of grains/panicle-124	25000	14500	3.4:1	2.3:1	Good root formation More nos. of grains/panicle & tillers Withstand lodging More yield	More labour & Require feasible implement for land preparation and weeding
6	Pea	17.6	13.8	15.70	13.9	No. of pods/pl-37 Yield –	No. of pods/pl-31 Yield –	61000	34000	3:1	2.1:1	High yielding Crop rotation after paddy as	Higher yield Require at least 2-3

						15.70q/ha	13.9/q/ha					rabi crop	watering for better yield
7	Ricebean	9.0	8.45	8.70	8.10	Pods/ plant – 61 Yield 9.0q/ha	Pods/ plant – 53 Yield- 8.10q/ha	16080	13760	2.7:1	2.2:1	Good covering crop, easy for harvest and more biomass	Less labour as it require no pole for support
8	Toria	6.1	5.5	5.8	4.9	Pl. height- 95cm Yield -6.1q/ha	Pl. height- 82cm Yield -4.9q/ha	14300	10700	2.6:1	2:1	More moisture tolerant. Higher yield	Can be sown late upto Nov., Higher yield than existing varieties Bold seed size

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	Farmers training	3	-	65	
2	Media coverage	1			
3	Training for extension functionaries	4	11/7/2012,17/10/2012,18/10/2012,8-9/11/2012	56	
4	Field days	6	17/11/12, 11/.0/13, 02/11/12, 04/02/13,18/12/12, 12/09/12	58	

c. Details of FLD on Enterprises -NA

(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		
Piggery	Local upgrade	380	672	Swine Fever incidence	No incidence of Swine fever in all the vaccinated animals	Occurrence of Swine Fever and mortality of 20 pigs	100 reduction in incidence of swine fever	regular availability of vaccine is a problem

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

(iii) Other Enterprises -NA

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								

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
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	On	Off	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																						
Resource Conservation Technologies		2	2								30		20				30		20		50	50
Cropping		1	1								10		15				10		15		25	25

Systems																						
Crop Diversification		5	5								47		78				47		78		125	125
Integrated Farming																						
Water management																						
Seed production																						
Nursery management																						
Integrated Crop Management		3	3								55		20				55		20		75	75
Fodder production																						
Production of organic inputs																						
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops		2	2								23		27				23		27		50	50
Off-season vegetables		1	1								10		15				10		15		25	25
Nursery raising		1	1								13		12				13		12		25	25
Exotic vegetables like Broccoli		1	1								12		13				12		13		25	25
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																						
Management of young plants/orchards		1	1								10		15				10		15		25	25
Rejuvenation of old orchards																						
Export potential fruits		1	1								11		14				11		14		25	25
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 Ornamental 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		1	1								15		10				15		10		25	25
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								16		9				16		9		25	25
Poultry Management																						
Piggery Management		2	2								20		30				20		30		50	50
Rabbit																						

Management																						
Disease Management		3	3								36		39				36		39		75	75
Feed management																						
Production of quality animal products		1	1								15		10				15		10		25	25
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		1	1								8		12				8		12		20	20
Value addition																						
Income generation activities for empowerment of rural Women																						
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		1	1								10		15				10		15		25	25
VII Plant Protection																						
Integrated Pest Management	3		3							33		42				33		42		75		75
Integrated Disease Management																						
Bio-control of pests and diseases		2	2								20		30				20		30		50	50
Production of bio control agents and bio pesticides																						
VIII Fisheries																						
Integrated fish farming																						
Carp breeding and hatchery																						

management																						
Carp fry and fingerling rearing																						
Composite fish culture																						
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																						
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	1	1	2							13	13	12	12	25	25	13	13	12	12	25	25	50
Mobilization of social capital																						
Entrepreneurial development of farmers/youths	1		1							15		10				15		10		25		25
WTO and IPR issues																						
XI Agro-forestry																						
Production technologies																						
Nursery management																						
Integrated Farming Systems		1	1								17		8				17		8		25	25
TOTAL	**5**	**32**	**37**							**61**	**391**	**64**	**404**	**25**	**25**	**61**	**391**	**64**	**404**	**125**	**795**	**920**
(B) RURAL YOUTH																						
Mushroom Production	1		1							10		10				10		10		20		20
Bee-keeping																						
Crop Production																						
Seed production		1	1								12		13				12		13		25	25
Production of																						

organic inputs																						
Integrated Farming																						
Planting material production																						
Vermi-culture																						
Sericulture																						
Protected cultivation of vegetable crops	1	1	2							11	15	14	10			11	15	14	10	25	25	50
Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Nursery Management of Horticulture crops																						
Training and pruning of orchards																						
Value addition	1		1							5		15				5		15		20		20
Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						
Quail farming																						
Piggery																						
Rabbit farming																						
Poultry production	1	1	2							10	15	15	10	25	25	10	15	15	10	25	25	50
Ornamental fisheries																						
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																						
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts	1		1							10		10				10		10		20		20
TOTAL	**5**	**3**	**8**							**46**	**42**	**64**	**33**	**25**	**25**	**46**	**42**	**64**	**33**	**110**	**75**	**185**
(C) EXTENSION PERSONNEL																						
Productivity enhancement in field crops	1		1							10		5				10		5		20		20
Integrated Pest Management	1	1	2							7	4	8	6	15	10	7	4	8	6	15	10	25
Integrated Nutrient management	1		1							5		8				5		8		13		13
Rejuvenation of old orchards																						
Protected cultivation technology																						
Formation and Management of SHGs	1	1	2							5	6	3	9	8	15	5	6	3	9	8	15	23

Group Dynamics and farmers organization	1		1							10		5				10		5		15		15
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	1		1							15		3				15		3		18		18
Household food security																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						
Production and use of organic inputs	1		1							5		8				5		8		13		13
Gender mainstreaming through SHGs																						
TOTAL	**7**	**2**	**9**							**57**	**10**	**40**	**15**	**23**	**25**	**57**	**10**	**40**	**15**	**102**	**25**	**127**

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
13/06/12	PF	"Major Disease of Swine- Prevention, Management and Control"	Veterinary & Animal Husbandry.		1	off				10	15	25	10	15	25
18-19/06/12	PF	Cultivation practices of Soybean	Plant Breeding		2	off				12	13	25	12	13	25
1/06/12	PF	Green manuring	Agronomy		1	off				15	10	25	15	10	25
4/06/12	PF	Intregrated pest management	Plant Protection		1	off				10	15	25	10	15	25
6/6/12	EP	Mangement of fruit scaring beetle on banana	Plant Protection		1	on				7	8	15	7	8	15
11/7/12	EP	Quality Seed production	Plant Breeding		1	on				5	8	15	5	8	15
19/7/12	PF	Management of young orchards	Horticulture		1	off				11	14	25	11	14	25
17/7/12	PF	Importance of group formation	Extension		1	on				13	12	25	13	12	25
11/07/12	PF	Selection and Breeding of Swine	Veterinary & Animal Husbandry		1	off				11	14	25	11	14	25
17/08/12	PF	IPM on paddy	Plant Protection		1	on				10	15	25	10	15	25

22/8/21 2/8/12	PF	Seed conservation and post harvest management Agro-Silvi farming system	Agronomy		1 1	off				15	10	25	15	10	25
23/8/12	RY	Protected cultivation of vegetable crops	Horticulture		1	off				15	10	25	15	10	25
7/8/12	PF	Formation of CIGs/FIGs	Extension		1	on				15	10	25	15	10	25
8/8/12	PF	Infertility in Swine-Identification and Mangement	Veterinary & Animal Husbandry		1	off				9	16	25	9	16	25
27/8/12	RY	Poultry Rearing for Income Generation	Veterinary & Animal Husbandry		1	off				15	10	25	15	10	25
21/9/12	PF	Tea cultivation and inter cropping of leguminous crop	Plant Breeding		1	off				20	5	25	20	5	25
21/9/12	PF	Management of Gundhi bug	Plant Protection		1	off				10	15	25	10	15	25
6-7/9/12	RY	Production of Mushroom	Plant Protection		1	on				10	10	20	10	10	20
21/09/2012	PF	Tea cultivation and inter cropping of leguminous crop	Agronomy		1					20	5	25	20	5	25
12/9/12 18/9/12	PF	Improved cultivation practices of winter crops	Horticulture		2	off				23	27	50	23	27	50
21/9/12	PF	Management of SHGs	Extension		1	off				13	12	25	13	12	25
14/09/2012	PF	Hygienic milk production	Veterinary & Animal Husbandry		1	off				15	10	25	15	10	25
6/09/2012	RY	Profitable broiler (poultry) management	Veterinary & Animal Husbandry		1	on				10	15	25	10	15	25

17/10/12	EP	IPM on winter vegetables	Plant Protection		1	off				4	6	10	4	6	10
25th to 29 /10/12	PF	Cultivation of winter crops and oilseed (Toria -36)	Agronomy		4	off				35	65	100	35	65	100
12th /10/12	RY	Oilseed production and seed conservation	Agronomy		1	off				12	13	25	12	13	25
04 /10/12	PF	Improved cultivation practices of winter crops	Horticulture		1	off				12	13	25	12	13	25
18/10/2012	EP	Book keeping	Extension		1	off				5	4	9	5	4	9
04/10/2012	PF	Diseases in Swine- Prevention, Management and Control Measures	Veterinary & Animal Husbandry		1	off				16	09	25	16	09	25
19/10/2012	RY	Value Addition of Meat	Veterinary & Animal Husbandry		1	off				05	15	20	05	15	20
21/11/2012	PF	Seed storage techniques	Plant Breeding		1	off				8	12	20	8	12	20
16/11/12	PF	IPM on Oilseeds	Plant Protection		1	on				13	12	25	13	12	25
20/11/12	PF	Improved management practices of winter crops	Horticulture		1	off				10	15	25	10	15	25
02/11/2012	PF	Mastitis- Prevention, Management and its Control	Veterinary & Animal Husbandry		1	off				16	09	25	16	09	25
8-9/11/2012	RY	Antibiotics in Animal Health care	Veterinary & Animal Husbandry		2	on				15	03	18	15	03	18
21/11/2012	PF	Seed storage	Plant		1	off				8	12	20	8	12	20

		techniques	Breeding												
19/12/12	PF	Intercropping practices in passion fruit	Horticulture		1	off				13	12	25	13	12	25
02/11/2012	PF	Mastitis- Prevention, Management and its Control	Veterinary & Animal Husbandry		1	off				16	09	25	16	09	25
8-9/11/2012	EP	Antibiotics in Animal Health care	Veterinary & Animal Husbandry		2	on				15	03	18	15	03	18
15/01/2013	PF	Germplasm conservation	Plant Breeding		1	off				15	10	25	15	10	25
14/01/13	PF	Cultivation practices of local French bean (Kholar) as vegetable pulse.	Agronomy		1	off				15	10	25	15	10	25
09/01/13	PF	Post harvest management in orange	Horticulture		1	off				11	14	25	11	14	25
18/01/13	RY	Entrepreneurial development of the youth	Plant Protection		1	on				10	10	20	10	10	20
7/01/13	PF	Livestock Health Care and Management During Winter	Veterinary & Animal Husbandry		1	off				10	15	25	10	15	25
5/2/13	EP	Group Dynamics and Farmers Organization	Extension		1	on				10	5	15	10	5	15
19/2/13	EP	Jhum intensification	Agronomy		1	on				5	8	13	5	8	13
14/2/13	RY	Protected vegetables cultivation	Horticulture		1	on				11	14	25	11	14	25
5/3/13	PF	Germplasm conservation on paddy	Plant Breeding		1	on				11	14	25	11	14	25
15/3/13	PF	Leadership development in	Extension		1	on				10	15	25	10	15	25

		village													
19/3/13	PF	Management practices of Eri silkworm host plant	Plant Protection		1	on				10	15	25	10	15	25
21/3/13	PF	Improved tuber crop production	Horticulture		1	off				15	20	35	15	20	35
21/3/13	PF	Nutrient management (cultivation of Dhaincha)	Agronomy		1	on				8	17	25	8	17	25

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	
Vegetables	4.9.12	Improved cultivation practices of vegetable crops	Low vegetable production	1	11	14	25				

*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				
								M	F	Total	Male	Female	Total	Male	Female	Total		
1	12/2/13	Reforestation of wasteland by raising fast growing tree species	forestry	Wasteland management	1	PF	1				18	7	25	18	7	25	ATMA, Mokokchung	15000/-

2	10/10/12	Post harvest management in Orange and Pineapple	Horticulture	Post harvest technology	1	PF	1				16	19	35			35	DHO,Mokokchung	16000/-
3	19/1/13	Inter-cropping in Passion fruit	Horticulture	Cropping system	1	PF	1				13	18	31			31	ATMA, Mokokchung	15000/-
4	02/06/12	SRI	Agronomy	Cereal production	1	PF	2				10	15	25	10	15	25	ATMA	15,000
5	28/09/12	Toria as crop rotation	Agronomy	Oilseed production	1	PF	2				12	13	25	12	13	25	ATMA	15,000
Total																		**76,000/-**

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.	Animal health camp		2				95	112	207				95	112	207
2.	Awareness camp		3				30	45	75				30	45	75
3.	Field Day		6				52	61	113				52	61	113
4.	Lectures delivered as resource persons		40				484	452	936	40	15	55	449	417	991
	Newspaper coverage		3		-	-	-	-	-	-	-	-	-	-	-
5.	Radio talks		2		-	-	-	-	-	-	-	-	-	-	-
6.	Advisory Services		10				99	64	163				99	64	163
7.	Scientific visit to farmers field		24				41	55	96				41	55	96
8.	Farmers visit to KVK		13				195	152	347				195	152	347
9.	Diagnostic visits		35				122	139	261				122	139	261
10.	Film Show		2				-	-	-				-	-	-
11.	Self Help Group Conveners meetings														
12.	Group meetings		17				118	120	238				118	120	238
13.	Extension literature		4				546	454	1000				546	454	1000
14.	Soil health camp														
15.	Method Demonstration		10				126	174	300				126	174	300
16.	Exhibition		2												
	Grand Total		173				1908	1828	3736	40	15	55	1873	1793	3791

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					
	Paddy	SARS-6,	10	8000	25
	Paddy	Bhalum -3	2	1600	6
OILSEEDS					
	Toria	TS-36	2	9000	12
PULSES					
	Pea	Arkel	3.5	8750	12
	Ricebean	Chakesang dwarf	1.2	5400	12
VEGETABLES					
	Tomato	Megha -1	150 gm	900	8
	Broccoli	KTS-1	45gm	500	6
FLOWER CROPS					
OTHERS (Specify)					

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
1	CEREALS	12	9600	31
2	OILSEEDS	2	9000	12
3	PULSES	4.7	14150	24
4	VEGETABLES	195gm	1400	14
5	FLOWER CROPS			
6	OTHERS			
TOTAL		18.895	34150	81

PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS					
	Passion fruit	**Yellow type**	**250 nos**	**1250**	**5**
SPICES					
	Turmeric	**Megha -1**	**3**	**4500**	**6**
VEGETABLES					
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	250	1250	5
2	VEGETABLES			
3	SPICES	3 qtl	4500	6
4	FOREST SPECIES			
5	ORNAMENTAL CROPS			
6	PLANTATION CROPS			
7	OTHERS			
	TOTAL			

BIO PRODUCTS

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
BIOAGENTS						
BIOFERTILIZERS						
1						
2						
3						
4						
BIO PESTICIDES						
1						
2						
Others (Vermi compost)	**Compost**	***Esenia foetida***		**640**	**5250**	**6**

SUMMARY

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	(kg)		
1	BIOAGENTS					
2	BIO FERTILIZERS					
3	BIO PESTICIDE					
4	**Others** (Vermi compost)	***Esenia foetida***		**640**	**5250**	**6**

LIVESTOCK :

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos	Kgs		
Cattle						
SHEEP AND GOAT	**Dual**	**Beetal Cross Assam Local**	**7 kids**	**-**	**7000**	**Nil**
POULTRY						
FISHERIES						
Others (Specify)						

SUMMARY						
Sl. No.	**Type**	**Breed**	**Quantity**		**Value (Rs.)**	**Provided to No. of Farmers**
			Nos	**Kgs**		
1	CATTLE					
2	SHEEP & GOAT	**Beetal Cross Assam Loca**	**7 Kids**	**-**	**7000**	**Nil**
3	POULTRY					
4	FISHERIES					
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			
News letter (annual)			
Total			
Technical reports			
Popular articles			
Leaflets/folders	1.Integrated farming for sustainable livelihood 2. Swine fever 3. Package & practice of Turmeric 4. Green manuring – To reclaim soil health	Samuel Sangtam Dr. Rongsensusang Renbomo Ngullie Samuel Sangtam	1000
Total			
GrandTOTAL			

(C) Details of Electronic Media Produced:NA

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

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

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

- Identification of courses for farmers/farm women
- Rural Youth
- In-service 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 : completed

1. Year of establishment : 2011
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1	Visiscan spectrophotometer	1	81,200
2	Digital Flame Photometer	1	54,875
3	Digital P.H meter with electrode	1	17,100
4	Digital conductivity meter with cell	1	16,845
5	Physical balance	2	5,100
6	Chemical balance	1	3,125
7	VAT 13.5%		23,695
Total			**2,01,903**

3. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples	12	12	3	120
Water Samples				
Plant Samples				
Petiole Samples				
Total	12	12	3	120

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)

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
State Agricultural Research Station (SARS) Yisemyong, AICRIP	Joint implementation in conducting training, demonstration, meeting, trials etc.
DAO, DHO, DVO, DSCO, DFO,LRD in the district	Conducting training, demonstration programmes
ICAR, Jharnapani, Nagaland University	Consultation, meeting and exchange of technologies
AIR Doordashan Mokokchung	Technology dissemination through broadcasting (AIR)
NABARD, NSCB, SBI	Joint implementation in forming farmers ' clubs

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies: NA

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

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district ✓ Yes/No

S. No.	Programme	Nature of linkage	Remarks
1	Training, trial & Demonstration, Exhibition	Resource person and programme Planning, implementation and monitoring	Actively participating in programme implementation

5.4 Give details of programmes implemented under National Horticultural Mission :NA

S. No.	Programme	Nature of linkage	Constraints if any

5.5 Nature of linkage with National Fisheries Development Board : NA

S. No.	Programme	Nature of linkage	Remarks

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of estt.	Area	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Vermicompost	2008	20sqm	*Esenia foeteda*	Compost	640kg/yr	1800	5250	-
2	Banana fiber extraction	2010	500sqm	-	Fiber	On going	-	-	-
3	Goatery	2012	1 acre	Beetal cross assam local	Milk	60 litres	22500	30000	Unit is in initial stage
4	Piggery	2013	0.5 acre	Large black	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing
5.	Orchard	2013	2 ha	Amrapali	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing

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 a) Upland paddy b) Maize	 10.04.12 13.04.12	 10.09.12 16-18.08.12	 0.15 0.05	 SARS-1& 2 HQPM-1	 Grain Green cobs	 3.4 -	 2000 1200	 4080 900	 Good yield Green cobs are not prefer much by the farmers
Pulses a) Pea b) Soybean c) Groundnut d) Cowpea	 4/10/12 18/06/12 4/07/2012 14/03/13	 7jan-17feb 2013 18/12/2012 30/10/2012 10-24/06/12	 0.1 0.002 0.02 0.006	 Arkel Indira soya9 ICGS-76 Yard long	 Pod Pod Pod Pod	 0.72 0.32 0.12	 850 650 500	 1080 1120 680	 - -
Oilseeds									
Toria	8/10/12	10/01/13	0.02	TS-36 & 38	Seed	0.42	900	1650	-
Perilla	16.04.12	11.02.12	0.005	local (Avong)	Seed				
Spices & Plantation crops									
Turmeric	17/04/12	8.02.13	0.0585	Megha -1	Rhizome	7	1500	7000	Good yield
Ginger	21.04.12.	25.01.13	0.003	Local red ginger	Rhizome	3.5	1500	3500	Good yield
Vegetables									
Bitter gourd	16.02.12	16.01.13	0.001	Palu F_1	Head	0.35	650	525	
Lady's finger	25.0313	-	0.004	Prabhani Kranti					
Others (specify)tree bean		5 &12/02/2013		local	pod				

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	Vermi compost	0.64	1800	5250	

6.4 Performance of instructional farm (livestock and fisheries production): NA

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

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

6.5 Utilization of hostel facilities (Month Wise):NA

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)
Total					
Grand total					

(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	SBI	Lerie , Kohima	01000050059
With KVK	SBI	Sangtemla ward, Mokokchung	11361013166

7.2 Utilization of funds under FLD on Maize *(Rs. In Lakhs)*:NA

Item	Released by ICAR/ZPD		Expenditure		Unspent balance as on 31st March, 2013
	2009-10	2010–11	2011-12	2012-13	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of KVK funds during the year 2012 -13

S. N0	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**	58.0	58.0	68.03
2	**Traveling allowances**	2.25	2.25	2.95
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	1.6	1.6	1.6
B	POL, repair of vehicles, tractor and equipments			1.0
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			1.21
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			0.42
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			0.66
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			0.475
G	Training of extension functionaries			0.84
H	Maintenance of buildings			0.795
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
k	Maintenance of farm			1.0
TOTAL (A)				**8.0**
B. Non-Recurring Contingencies				
1	**Works**	10		10
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)		**10.0**		**10**
C. REVOLVING FUND		--	--	--
GRAND TOTAL (A+B+C)		**78.25**		**88.98**

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 2010 to March 2011	8000	30000	13500	14500
April 2011 to March 2012	14,500	50000	19500	5000
April 2012 to March 2013	5000	40000	23500	4800

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

8.1 Constraints

(a) Administrative

Need for more staffs supporting staffs

We have soil testing lab. But not having SMS(soil science)

Farm manager post also vacant for long

(b) Financial

1. As our KVK established in a hilly area, lt is veru costly to undertake different extension activities and vehicle maintenance. So, we required more contingency as per our topography and periphery of work concern.
2. Comparatively with other SMSs, Animal
   Science division needs more fund for conducting of any trials. So, amount of fund for OFT, FLD and trainings should be on par with our requirement
3. Since, single host is running many KVKs, some times due to inconvenience from other KVK under same host is not possible to submit utilization certificate on due time and due to that, fund release process get delayed. So to make ease and function the activities smoothly, disbursed of fund to individual KVK account directly will help for smooth functioning of the KVK.

(c) Technical

1. Need of one mushroom unit, green house, sericulture unit and bio control lab for production of bio-control agents
2. Need of VSAT and power generator
3. Need of one row paddy transplanted, power tiller, mini mechanical thresher, mini paddy reaper, auto clave, laminar flow chamber, BOD incubator etc

Programmme Coordinator
KVK, Mokokchung