# PROFORMA FOR ANNUAL REPORT OF KVKS, 2011-12

### 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telepho	one	E mail
KVK Yisemyong Post Box No-23	OFFICE	FAX 0369-	kvkmokokchung@gmail.com
Mokokchung Nagaland	0369- 2225121	2227627 - 2225121	kvkyisemyong@rediffmail.com

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

Address	Telephone		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, 2012)

SI. 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	18240+ 5400	24.05.06	Temporary	ST
3	Subject Matter Specialist	Akangtemjen	SMS (Entomology)	Entomology	15600 + 5400	18240+ 5400	24.05.06	Temporary	ST
4	Subject Matter Specialist	Dr. Rongsensusang	SMS (Vety. &AH)	Vety & AH	16380 + 5400	18240+ 5400	24.05.06	Temporary	ST
5	Subject Matter Specialist	Samuel Sangtam	SMS (Agronomy)	Agronomy	15600 + 5400	18240+ 5400	24.05.06	Temporary	ST
6	Subject Matter Specialist	Bendangjungla	SMS (PB &G)	PB &G	15600 + 5400	18240+ 5400	24.05.06	Temporary	ST
7	Subject Matter Specialist	Royuso Nakhro	SMS (Extension)	Agri. Extension	15600 + 5400	17550 + 5400	13.11.07	Temporary	ST
8	Programme Assistant	Moainla	Programme Asstt		10230 + 4200	12060 + 4200	24.05.06	Temporary	ST
9	Computer Programmer	I.Tangitla	Programme Asstt (Computer)		10230 + 4200	12060 + 4200	24.05.06	Temporary	ST
10	Farm Manager	Jweni Semp	Programme Asstt (Farm)		10230 + 4200	11580 + 4200	07.11.07	Temporary	ST
11	Accountant / Superintendent	Meyatula	Office Supt- cum- Accountant		10230 + 4200	12060 + 4200	01.06.06	Temporary	ST
12	Stenographer	Imosangla	Jr. Steno-cum- Computer Operator		7440 + 2400	8700 + 2400	01.06.06	Temporary	ST
13	Driver-cum- Mechanic	Supongmeren	Driver		5680 + 1900	6650 + 1900	01.06.06	Temporary	ST
14	Driver-cum- Mechanic	Jongpongyanger	Driver		5680 + 1900	5680 + 1900	01.03.10	Temporary	ST
15	Supporting staff	Imkonglemla	Peon		4750 + 1300	5530 + 1300	01.06.06	Temporary	ST
16	Supporting staff	Aotoshi	Chowkidar		4750 + 1300	4750 + 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	0.4
3.	Under Crops	3 (Instructional Farm)
4.	Orchard/Agro-forestry	1.42 ha
5.	Others (specify)	17.4

# 1.7. Infrastructural Development:

### A) Buildings

		Source			Stag	е		
S.		of	Complete			Incomplete		
No.	Name of building	funding	Completion	Plinth	Expenditure	Starting	Plinth	Status of
110.			Date	area (Sq.m)	(Rs.)	Date	area (Sq.m)	construction
1.	Administrative	ICAR	20.06.09	400	53.5 lakhs	28.09.07	400	completed
	Building							
2.	Farmers Hostel	NA	NA	NA	NA	NA	NA	NA
3.	Staff Quarters (6)	ICAR	NA	200		2011	100	On going
4.	Demonstration Units (2)	Host & ATMA	2008 &2010	40	0.90 lakh	2008 &2010	40	Completed
	Office (Z)	ICAR	Ongoing	7500	3.5	2011	-	ongoing
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	92,500 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

SI.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	09/02/12	E H Lotha Addl. Director of Agri. Nagaland, Dr. Dipak Chetri, Jt. Dir. Agri. Nagaland, Bendangyanger Jt. Dir. Agri. Nagaland, N Thungjamo Lotha Dy. Dir. Agri. Nagaland, Kilemsungba DHO,	<ul> <li>✓ Approval of all the publications</li> <li>✓ Name of local check varieties to be indicated.</li> <li>✓ Attention to be focused on sericulture</li> <li>✓ Presentation of activities report and action plan</li> </ul>	All the recommendations were refined and finalized for implementation of the programmes

	Mokokchung,
	Imtiyongdang Ao DSCO,
	Mokokchung,
	Bendang T Jamir Dy. Dir. Sericulture,
	Er. Achakbou Newmai Sr. Engr. Agri.
	Dr. Amenla LTO, Agri.
	Rongsennungla Dy. PD ATMA
	I Lipokonen Jamir Asst. Agronomist,
	DAO
	T N Temjen Jamir President PFFA,
	All the KVK staff.
2.	

# 2. DETAILS OF DISTRICT

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

- 7 -	3 - J
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	<ol> <li>Hot and humid in the foot hills to</li> </ol>
		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
		20-35% clay	1,20,000
1	Sandy clay loam	28% silt	
		45% more sand	
		pH 4-5	
		27-40% clay	40,000
2	Clay Loam	20-45% sand	
		Medium organic matter	
		pH 4-5	
3	Forest Soil	Broad leaves rain forest, evergreen,	50
		temperate climate, high organic matter,	
		dark brown soil with pH 4	

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

S. No	Crop	Area (ha)	Production (QtI)	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)	Temp	perature <sup>0</sup> C	Relative Humidity (%)
		Maximum	Minimum	
April 2011	276.9	25.9	17.1	48
May	239.7	27.2	18.3	78
June	472.3	24.8	17.5	84
July	364.6	28.1	20.2	84
August	396.6	28.5	20.3	86
Sept	399.7	27.6	19.4	80
Oct	390.7	26.3	17.3	74
Nov	Nil	23.7	13.3	65
Dec	77.5	21.1	9.6	62
Jan 2012	221.6	19.1	7.6	63
Feb	48.3	22.5	10.6	60
March	103.5	25.6	14.1	60

# 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 (2011-12)

SI. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
1		Ongpangkon g (N)	Ungma, Mokokchun g village, 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, Mangmeton g	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	Mopungchu ket Sungratsü	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

					6
4	Changtongya	Chuchuyiml ang, Mongsenyi mti	Paddy, Tapioca, Maize, Collocasia, banana, Orange, Pineapple Tea, piggery, Poultry, Fishery	Low productivity due to non adoption of improved technology, lack of awareness on value addition products, insect pest and disease problem, poor transportation and marketing facilities, lack of upgraded breeds and health centre	Create awareness on fallow management and jhum intensification, To increase production of banana, tapioca, orange, pineapple, development of tea, arecanut, betel vine, improvement of piggery, fishery and sericulture,
5	Mangkolemb a	Chungtia Yimsen Longnak, Longpayims en	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
6	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

# 3. TECHNICAL ACHIEVEMENTS

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

Discipline	OFT (Te	echnology Asses	ssment and	d Refinement)	FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	Numb	per of OFTs	Numbe	Number of Farmers		Number of FLDs		r of Farmers
	Targets	Achievemen	Targets	Achievement	Targets	Achievement	Targets	Achievemen
		t						t
Agronomy	4	4	12	9	4	4	20	14
Horticulture	3	3	9	8	3	3	20	14
Plant	1	1	3	3	-	-	-	-
protection								
GPB	1	1	3	3	-	-	-	-
Vety & A.H	2	2	20	20	2	1	300	274

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)						Extension	n Activitie	S
	3						4	
Numl	ber of Cour	ses	Number	of Participants	Numbe	r of activities	Number	of participants
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	30	19	700	475	113	90	1500	1266
Rural youth	17	11	385	255				
Extn.	9	6	135	90				
Functionaries								

Seed Produ	iction (Qt.)	Planting material (Nos.)			
5			6		
Target	Achievement	Target	Achievement		
16.02	10.01	4000nos	1600		
		5qlt	2qlt.		
			·		

### 3.B. Abstract of interventions undertaken

				Interventions					
S. No	Thrust area	Crop/ Enterpris e	Identified problems	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	To increase productio n	Paddy	Low production in farmers local cultivars	Performan ce of paddy variety (Bhalum - 3)		Performan ce of new paddy variety (Bhalum 3-4)		Field day	Seed
2	Increase productio n	Paddy	Long duration varieties	Trial on short duration varieties		Short duration paddy varieties		Field day	seed
	To increase productio n and productivi ty	Toria	Yield gap due to lack of suitable varieties and poor adoption level	Performan ce of toria (TS-67) after paddy		Promotion of oilseed production	Promotion of oilseed production	Field day	Seed
3	To increase productio n	Groundnut	Low yield in existing varieties used by farmers	Performan ce trial on groundnut (ICGS -76)		Cultivation practices of groundnut		Leaflet, demonstrati on	seed
4	Improve ment of backyard poultry	Poultry	Poor production of indigenous birds	Performan ce of dual purpose vanaraja birds					chick
5	Indigenou s feed resources	Pigweed	High cost in feed	Estimation of yield and analysis of proximate composition				Demonstrati on	seed
6	Introducti on of HYV	Banana	Low yield in local varieties	Cultivation of tissue culture banana, variety – G-9		Cultivation practices of tissue culture banana, variety – G-9		Demonstrati on, field day	Planting material

7	Introducti on of suitable high yielding variety	Broccoli	High cost of hybrid seed	Adaptabilit y trial in broccoli		Package and practices of broccoli		Field day, demonstrati on	seeds
8	To increase productio n and quality of fruits	Tomato	unmarketab le fruit quality	Pruning in tomato		Double stem pruning on Tomato		Demonstrati on, field day	seed
9	To populariz e local variety maize (sticky type)	Maize	Less popular and lack of knowledge	Varietal trial on local maize (Mapok)				Leaflet	seed
10	To control pest infestatio n	Toria	Aphid infestation resulting in reduction of yield	Bioefficacy of neem oil against mustard aphid				Demonstrati on, leaflets	Neem oil
11	To increase production	Toria	Cannot withstand moisture stress condition		Multi- location trial on toria (TS- 36)	Cultivation practices of oilseed		Demonstrati on, field day	seed
12	Increase productio n	Toria	Use of local varieties,Lo w yield due to poor plant stand under late sown condition		Popularizati on of late sown toria (TS 38) after paddy	Promotion of high yielding toria variety	Promotion of oilseed production	Field day	Seed
13	Pulses productio n	Pea	Poor yield in local cultivar, less popular among farmers		Pea as second crop after paddy (Arkel)			Leaflet	seed
14	Vegetabl e productio n	Tomato	Poor yield in local varieties		Megha – 1 &10 for higher production	Increase production of tomato through use of HYV		Field days, leaflets, demonstrati on	Seed
15	Vegetabl e productio n	Broccoli	Lack of awareness in exotic crop cultivation		Promotion of broccoli cultivation (Pushpa)	Package of practices of Broccoli		Demonstrati on, leaflet	seed

### 3.1

# Achievements on technologies assessed and refined Abstract of the number of technologies assessed\* in respect of crops/enterprises A.1

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetabl es	Frui ts	Flow er	Plantati on crops	Tube r Crop s	TOTAL
Varietal Evaluation	2									2
Seed / Plant production	1	2			1	1				5
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming										

System							
Mushroom cultivation							
Drudgery reduction							
Farm machineries							
Value addition							
Integrated Pest Management		1					1
Integrated Disease Management							
Resource conservation technology							
Small Scale income generating enterprises							
TOTAL	3	3		1	1		8

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

Thematic areas	Cerea Is	Oilseed s	Pulse s	Commercial Crops	Vegetable s	Fruits	Flo wer	Plantat ion crops	Tuber Crops	TOTAL
Varietal										
Evaluation										
Seed / Plant					1					1
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					1					1

<sup>\*</sup> 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								
Nutrition Management								
Disease of								
Management								
Value Addition								
Production and		1						1
Management								
Feed and Fodder					1			1
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
Performance of paddy variety (Bhalum -3)	Low production in farmers local cultivars	Bhalum -3	3	Plant height – 94cm No. of tillers - 7 length of panicle-21.8cm No. of grains per pancle- 142 Yield- 22.2 qlt/ha	Better growth performance than local. Good taste. Short duration. Higher yield.	In-depth research on location specific.	1:2.2
Trial on short duration varieties	Long duration varieties	Luit, Dikow, Kolong, Kapilee	3	Plant height- 85cm No. of tillers-11.4 length of panicle-29.8cm No. of grains per pancle - 126 Yield- 24.5qlt/ha	Dikow variety gave better performance and shorter growth duration	More in-depth research on location specific is require.	1:3
Performance of toria (TS-67) after paddy	Yield gap due to lack of suitable varieties and poor adoption level	TS-67	3	Plant height- 34cm No. of branches -7 yield – 6.4qlt/ha	Late sowing can be done and more moisture tolerant. Better yield than local varieties.	Comparative research on TS series varieties	1:2.3
Performance trial on groundnut (ICGS -76)	Low yield in existing varieties used by farmers	ICGS -76	3	No. of pod/plant- 16 Yield -15.2	Higher yield compare to existing variety	More research on its oil content and location specific	1:3.3
Performance of vanaraja birds in all AESs of the district under backyard farming	Low growth performance of local birds	Vanaraja	20	Av. Weight in 8 month- 2.9kg Mortality – 57.5% (due to mortality up to 85.71% in one of the selected village due to sever preying by mongoose	Satisfied with the performance of the bird	Development of field based diagnostic kit for diagnosis of common disease and deficiencies	1:1.44
Cultivation of tissue culture banana.	Low yield in local varieties	Grand naine	3	Pl. height-6.5ft Yield parameters – on going	Non –availability of planting materials	Inadequate availability of manure & fertilizer	-

Adaptability trial in broccoli	High cost of hybrid seed	KTS-1	2	Pl.height-35cm Head wt350gm Yield-71q/ha	Good return, Irrigation problem	Under assured irrigation, large scale cultivation can be taken up	1:2
Pruning in tomato	Poor fruit size	Double stem pruning	3	Pl.height- 51.2 No. of flower/truss-9.78 Fruit volume-59.20cc/ml Yield -283q/ha	Better fruit size& taste Longer shelf life than local. Require skilled	Requires skilled labour for successful cultivation	1:5
Varietal trial on local maize (Mapok)	Less popular and lack of knowledge	Chungtia Mapok, Longsa Mapok, Mokokchung Mapok	3	Chungtia Mapok Pl. height – 159.6 cm Av. Cobs/pl – 1 Av. Grain/cob- 312 Test weight(1000grains) – 237.5 Yield – 21 qlt/ha	The yield is low when compared to other varieties but farmers prefer it due to its good taste and has market value	To preserve the germplasm of local cultivars (Mapok). Intensive research on its proximate composition and its benefits.	1:3.5
Bioefficacy of neem oil against mustard aphid	Aphid infestation resulting in reduction of yield	Toria (TS-36)	3	Yield Treated – 8.72q/ha Control – 6.10q/ha Percent increase in yield – 42.85 %	Farmers were convinced of the new technology	Further research on eco-friendly pest control.	1:2.36

### 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	Horizo	ntal spread of techno	logy
			No. of villages	No. of farmers	Area in ha
1	Paddy	SRI	3	10	2.5
2	Soybean	JS-335	4	16	4
3	Toria	TS-36&38	4	12	4.5
4	Pea	Arkel	3	6	1.5
5	Tomato	Megha-1&10	3	12	1.4
6	Broccoli	Pushpa	2	6	1

<sup>\*</sup> Thematic areas as given in Table 3.1 (A1 and A2)

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.) b.

CI					Area (	- ,		. of farmer		Reasons for shortfall in	Farming situation (Rf/ Irrigated,	Stat	us of soil (	Kg/ha)
SI. No.	Crop	Thematic area	Demonstrate d	nonstrate and year acni		achievement	Soiltype, altitude, etc)	N	Р	К				
					Proposed	Actual	SC/ST	Others	Tota I					
1	Paddy	Resource conservation technology	SRI	Khari f , 2011	2	1.5	6		6	Poor adoption level and more labors	RF Clay loam 325- 650 msl	260	8.4	118
2	Maize	Increase production	HQPM-1	Khari f 2011	2.5	1.5	5		5	Less popular and fragmente d land holding system	RF Clay/silt loam 750- 1250ms I	185	9.4	88
3	Toria	Oilseed production	TS- 36&38	Rabi 2011	5	3	6		6	Due to standing paddy crop till 1st of December	RF Clay loam 350- 800msl	165	9.5	125
4	Pea	Pulse production	Arkel	Rabi 2011	3	2.5	6		6	-	RF Clay/silt loam	195	8.5	92
5	Tomato	Vegetable production	Megha tomato-1	Rabi 2011	2	1	5		5	Financial constraint	RF Clay loam 850- 1200ms	140	9.8	129
6	Broccoli	Veg. production	Pushpa	Rabi 2011	2	1	5		5	High cost of seed	RF Clay loam 640- 1150ms	190	10. 2	135

### Performance of FLD

	lance of FL				Yield		eter in relation		Economi	c Impact	:	Technical Feedback on	Farmers' Reaction on
SI.No.	Crop	De	emo. Y Qtl/ha		of local Check	(Yield, Disea etc. as spec	demonstrated se incidence, cified in FLD	Return	ge Net (Profit) ./ha)	B.C. Ratio		the Demonstrated Technology	specific Technologies
					Qtl./ha	Progra	amme)	Demo	Local Check	Demo	Local Check		
		Н	L	Α		Demo	Local						
1	2	7	8	9	10	12	13						
1	Paddy	38	35.5	36.75	26.5	PI. height -78 Effective tillers-13 No.of grains/panicle- 132	PI. height -72 Effective tillers-10 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 & time consuming Require skill Require irrigation facilities
2	Maize	42.1	36.5	39.3	22.5	PI. height- 195cm Av. No 0f cob/pl-1.25 Av.no of grains/cob- 415.15 1000 test wt 301 gm	PI. height- 235cm Av. No 0f cob/pl-1.75 Av.no of grains/cob- 308 1000 test wt 272gm	17500	10400	4:1	2.6:1	Good cob size Maximum grain filling Short duration High nutrient content	Grain taste is rough Good for animal feed Non availability of seeds Higher yield
3	Toria	5.4	5.2	5.3	4.6	PI. hight- 35cm Yield -5.4q/ha	PI. hight- 41cm Yield -4.6q/ha	14300	10700	2.4:1	2:1	More moisture tolerant. Higher yield	Can be sown late Higher yield than existing varieties Bold seed size
4	Pea	18.2	14.3	16.25	12.8	No. of pods/pl- 39 Yield – 18.2q/ha	No. of pods/pl- 31 Yield – 12.8/q/ha	61000	34000	3:1	2.1:1	Crop rotation after paddy as rabi crop High yielding	Higher yield Require constant monitoring and watering
5	Tomato	322	266	294	189	Pl.height- 50.3cm	Pl.height- 52.3cm	252150	125300	4:1	2:1	Higher yield Low pest	Good fruit size Better return

							Disease incidence -5% Yield-322	Disease incidence - 25% Yield-189					disease incidence Irrigation problem	
6	<b>)</b>	Broccoli	74	52	63	47	Pl.height- 33cm Head wt 362gm Yield-74q/ha	Pl.height- 31.5cm Head wt 248gm Yield-47q/ha	147000	71000	3:1	1.8:1	Advancement of planting time may improve in yield	High cost of seed Irrigation problem

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

Extension and Training activities under FLD

SI.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	7	11/08/11, 16/11/11, 2012/11, 17/01/12, 22/02/12, 24/02/12/ 18/03/12	225	Farmers are willing to take up the new and improved technologies on a larger scale. But are apprehensive on sufficient availability of inputs and seeds.
2	Farmers Training	5	08/04/11, 25/05/11, 03/09/11, 28/09/11, 13/10/11	185	Provided proper platform for helping the farmers develop required skills and knowledge
3	Media coverage	5			News paper coverage, Radio talk
4	Training for extension functionaries	2	06/10/10,29/10/10	37	Facilitates update knowledge on new improved technologies

### c. Details of FLD on Enterprises

### (i) Farm Implements

Name of the implement	crop	No. of farmers	Area (ha)	Performance parameters / indicators	* Data on paramete technology den Demon.	% change in the parameter	Remarks

<sup>\*</sup> Field efficiency, labour saving etc.

### (ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds	Performance parameters /	* Data on par relation to te demonst	chnology	% change in the parameter	Remarks
		iaiiieis	etc.	indicators	Demon.	Local check	parameter	
Piggery	Local upgraded	210	274	Occurrence of swine fever disease	Animal vaccinated in January 2012 so far no report occurrence of swine fever with the vaccinated animals	So far no reported incidences	Final report yet to be obtained (Observation period - 6months)ie. Jan-June	Sufficient availability of quality vaccine needed.

<sup>\*</sup> 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 par relation to to demons Demon.	echnology	% change in the parameter	Remarks
Mushroom								
Apiary								
Sericulture								
Vermi compost								

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

Trai vesting offic		o. of co	ourses									F	artici	pants								
Tl 4:						Oth	ners						S/ST	•				To	tal			$\frac{\mathbf{Grand}}{\mathbf{Grand}}$
Thematic area	On	Off	Total	Ma	ale	Fen	nale	То	tal	Ma	ale	Fen	nale	То	tal	Ma	ale	Fer	nale	To	tal	<b>Total</b>
				On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	
(A) FARMERS & F	ARM	WOM	IEN																			
I. Crop Production																						
Weed Management	1		1							10		15		25		10		15		25		25
Resource																						
Conservation																						
Technologies																						

Cropping Systems		1	1					12		13		25		12		13	25	25
Crop																		
Diversification																		
Integrated Farming	1		1				9		16		25		9		16	25		25
Water management																		
Seed production																		
Nursery																		
management																		
Integrated Crop																		
Management																		
Fodder production																		
Production of																		
organic inputs																		
II. Horticulture																		
a) Vegetable Crops	,				,	,		,	,									
Production of low																		
volume and high																		
value crops																		
Off-season																		
vegetables																		
Nursery raising																		
Exotic vegetables	1		1				17		14		25		11		14	25		25
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																		
Management of																		
young																		
plants/orchards																		

	1 .	T T	1										10
Rejuvenation of 1 old orchards	1					13	12	25	13		12	25	25
Export potential													
fruits													
Micro irrigation													
systems of													
orchards													
Plant propagation													
techniques													
c) Ornamental Plants													
Nursery													
Management													
Management of													
potted plants													
Export potential of													
ornamental plants													
Propagation Propagation													
techniques of													
Ornamental Plants													
d) Plantation crops Production and										I			
Management													
technology													
Processing and													
value addition													
e) Tuber crops													
Production and													
Management													
technology													
Processing and													
value addition													
f) Spices			1				I			1			
Production and													
Management													
technology													
Processing and													
value addition													
g) Medicinal and Aromatic Plan	nts	1		T T		T	T			1			
Nursery													
management													
Production and													

			T								1								19
management																			
technology																			
Post harvest																			
technology and																			
value addition																			
III Soil Health and	Fertili	ty Mai	nagemen	t															
Soil fertility	1		1				11		14		25		11		14		25		25
management																			
Soil and Water	1		1				10		15		25		10		15		25		25
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 Produ	ction a	and Ma	anageme	nt	·														
Dairy Management																			
Poultry																			
Management																			
Piggery								11		14		25		11		14		25	25
Management		1	1																
Rabbit																			
Management																			
Disease																			
Management																			
Feed management																			
Production of																			
quality animal																			
products																			
V Home Science/W	omen 4	emnow	ærment										I	<u> </u>					
Household food	omen (	l lipon																	
security by kitchen																			
gardening and																			
nutrition gardening																			
natition gardening		1	<u> </u>										1	1					

											20
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											
Income generation											
activities for											
empowerment of											
rural Women											
Location specific											
drudgery reduction											
technologies											
Rural Crafts											
Women and child											
care											
VI Agril. Engineeri	ng						1				1
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											

1. 1															
and implements															
Small scale															
processing and															
value addition															
Post Harvest															
Technology															
VII Plant Protection	n										 				
Integrated Pest		1	1				12	13		25	12		13	25	25
Management		1	1												
Integrated Disease		1	1				10	15		25	10		15	25	25
Management		1	1												
Bio-control of															
pests and diseases															
Production of bio															
control agents and															
bio pesticides															
VIII Fisheries				1	I.		I.		I		1	<u>I</u>			
Integrated fish															
farming															
Carp breeding and															
hatchery															
management															
Carp fry and															
fingerling rearing															
Composite fish							13	12		25	13		12	25	25
culture		1	1				10	14		20	10		14	20	20
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															

and value addition of Injus at site  Seed Production Bio-agents production Bio-pesticides production Bio-pesticides production Bio-pesticides production Cyemic-compost production of Fise field Cyemic-compost Cye		ı					1	, ,			ı		I		1	1			
NY-roduction of Inputs at site Seed Production Planting material production Bio-agents production Bio-pesticides production Bio-pesticides production Bio-fertilizer production Organic manures Production Production of Recolories as was as sheets Small tools and implements Production of Fish feed X Capacity Building and Group Dynamics Leadership development Group dynamics Formation and Management of SHGS Mobilization of Information and Mobilization of Info	Fish processing																		
Seed Production   Planting material   Production   Planting material   Production   Production of Ity and fingerlings   Production of Becolonies and wax sheets   Production of Ity and fingerlings   Production of Becolonies and wax sheets   Production of Ity and fingerlings   Production of Ity and fingerlings   Production of Becolonies and wax sheets   Production of Ity and fingerlings   Production of Ity and fingerlings   Production of Ity and fingerlings   Production of Ity and Ity a													<u> </u>						
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production Production of fry and fingerlings Production of Bee-colonies and wax sheets Small tools and implements Production of livestock feed and fodder Flouding and Group Dynamics Example 1	production		1	1															
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colonies and wax sheets  Small tools and implements  Production of livestock feed and foodder  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																			
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Leadership development  Group dynamics Formation and Management of SHGs  Mobilization of social capital  Entrepreneurial development of farmers/youths																			
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Group dynamics Formation and Management of SHGs Mobilization of social capital Entrepreneurial development of farmers/youths																			
Formation and Management of SHGs Mobilization of social capital Entrepreneurial development of farmers/youths  Formation and Management of SHGs  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																			
Management of SHGs  Mobilization of social capital  Entrepreneurial development of farmers/youths  Management of SHGs  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																			
SHGs													T						
Mobilization of social capital 1 1 1 1 1 25 13 25 12 13 25 25 25 Entrepreneurial development of farmers/youths	Management of																		
social capital  Entrepreneurial development of farmers/youths	SHGs																		
social capital  Entrepreneurial development of farmers/youths	Mobilization of	1		1					12	13		25		12		13		25	25
development of farmers/youths	social capital	1		1															
development of farmers/youths	Entrepreneurial												1						
	development of																		
WTO and IPR	farmers/youths																		
W 10 and 11 K	WTO and IPR								-				1	-					

issues																		
XI Agro-forestry	l .			I						1			1					
Production																		
technologies																		
Nursery																		
management																		
Integrated Farming																		
Systems																		
TOTAL	6	8	13			63	95	78	105	150	200	63	95	87	105	150	200	325
(B) RURAL YOUT	H				 	T		ı		T			T	ı		I	I	1
Mushroom	1		1			15		10		25		15		10		25		25
Production	1		1															
Bee-keeping																		
Integrated farming																		
Seed production																		
Production of																		
organic inputs																		
Integrated Farming																		
Planting material																		
production																		
Vermi-culture		1	1				11		14		25		11		14		25	25
Sericulture	1		1			13		12		25		13		12		25		25
Protected							11		14		25		11		14		25	25
cultivation of		1	1															
vegetable crops																		
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				10		15		25		10		15		25	25
Production of		1	1				10		10		<u> 4</u> 0		10		10		40	40
quality animal																		
products																		
products						1	1	1	1	1			1	1	1			

				 	 		_						_		,	,	
Dairying																	
Sheep and goat																	İ
rearing																	<u> </u>
Quail farming																	
Piggery																	
Rabbit farming																	
Poultry production		1	1				12		13		25	12		13		25	25
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																	<u> </u>
Small scale																	
processing																	<u> </u>
Post Harvest		1	1				12		13		25	12		13		25	25
Technology		•	•														<u> </u>
Tailoring and																	
Stitching																	<u> </u>
Rural Crafts																	ļ
TOTAL	2	5	7			28	56	22	69	50	125   28	56	22	69	50	125	175
(C) EXTENSION P	ERSO	NNEL	4	 													
Productivity							6		4		10	6		4		10	10
enhancement in		1	1														
field crops										1		1					
Integrated Pest																	
Management										1		1					
Integrated Nutrient		1	1				9		7		16	9		7		16	16
management		-	*														

Rejuvenation of																			
old orchards																			
Protected cultivation							7		10		17		7		10		17		17
technology	1		1				•		10		1.				10		1.		
Formation and																			
Management of																			
SHGs																			
Group Dynamics																			
and farmers																			
organization																			
Information																			
networking among																			
farmers																			
Capacity building	1		1				8		6		14		8		6		14		14
for ICT application	1		1																
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																			
TOTAL	2	2	4				15	15	16	11	31	26	15	15	16	11	31	26	57

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

Date	Clientele	Title of the	Discipline	Thematic	Duration	Venue		er of other	•	Numb	er of SC/S	T		number of	
		training		area	in days	(Off / On	partici	participants					participants		
		programme				Campus)	Male	Female	Total	Male	Female	Total	Male	Female	Total

### (D) Vocational training programmes for Rural Youth

Crop /	Date	Training	Identified Thrust Area	Duration	No.	of Particip	ants	Self e	r training	Number of persons employed else where	
Enterprise		title*		(days)	Male	Female	Total	Type of units	Number of units	Number of persons employed	
Banana	7/4/11 8/4/11	High density planting	Low production in banana	2	11	13	24				
Fruits and vegetables	2/11/11 3/11/11	Value addition of fruits and vegetables	Post harvest losses	2	9	16	25				

<sup>\*</sup>training title should specify the major technology /skill transferred

### (E) Sponsored Training Programmes

											N	o. of Partic	ipants					Amount
SI.No	Date	Title	Discipline	Thematic area	Duration (days)	Client (PF/RY/EF)	No. of courses	(	Other	s		SC/ST			Total		Sponsoring Agency	of fund received (Rs.)
								М	F	Total	Male	Female	Total	Male	Female	Total		
1	10/1/12 11/1/12	Citrus rejuvenation	Horticulture	Rejuvenation of old orchard	2	Pf	1				14	17	31	14	17	31	Hort. Deptt	20,000/-
2	8/6/11	Management of eri worm	Sericulture	Eri worm production	1	Pf	1				11	16	27	11	16	27	Seri. Deptt	18,000/-
3	20/9/11 21/9/11	Dairy management	Animal Husbandry	Livestock production	2	Pf	1				10	18	28	10	18	28	Vety & AH Deptt	20,000/-
Total																		

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

Sl. No.		Purpose/							Partic	ipants					
	Nature of Extension Activity	topic and Date	No. of activities	Fai	rmers (Oth (I)	ers)	SC	/ST (Farm (II)	iers)	Exte	ension Offi (III)	icials	(	Grand Tot (I+II+III)	
				Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1.	Vaccination camp	Swine fever	Vaccination	164	46	210	-	-	-	2	-	2	166	46	212
2.	Field Day	Sri Toria Pea Tomato Broccoli	6	-	-	-	128	190	304	12	4	16	140	194	334
3.	Lectures delivered as	-	13												
	resource persons														
	Newspaper coverage	-	3												
4.	Radio talks	-	6												
5.	Advisory Services	-	9				22	18	40				22	18	40
6.	Scientific visit to farmers field	-	9				23	32	55				23	32	50
7.	Farmers visit to KVK	-	18				118	165	283				118	165	283
8.	Diagnostic visits		5				9	6	15				9	6	15
9.	Film Show		2												
10.	Self Help Group Conveners meetings		9				54	41	95				54	41	95
11.	Group meetings		6				82	103	185				82	103	185
12.	Kisan Ghosthi		1				15	25	40				15	25	40
13.	Exhibition		2												
	Grand Total		89				451	580	1017	12	4	16	463	584	1042

### 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-1	6	6000	20
		SARS-6			
OILSEEDS					
	Toria	TS-36,	0.5	5000	20

					20
		TS-38	0.5		20
PULSES					
		Azad	2	3000	20
	Pea	Arkel	1	2000	15
VEGETABLES					
	Tomato	Megha-1	0.01	17000/-	30
FLOWER CROPS					
OTHERS (Specify)					
(Specify)					

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
1 0	CEREALS	6	6500	20
2 0	OILSEEDS	1	5000	40
3 P	PULSES	3	5000	35
4 V	VEGETABLES	0.01	17,000	30
5 F	FLOWER CROPS			
6 0	OTHERS			
	TOTAL	10.01	33,500	125

### PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS					
	Banana	Grand naine	500	6000	15
SPICES	Turmeric	Megha-1	200kg	2000	10
			-		
VEGETABLES					

				T	
FOREST SPECIES					
	Alder	Local	600	3000	15
	Agar	Local	500	2500	5
ORNAMENTAL CROPS					
PLANTATION CROPS					
Others (specify)					

Sl. No.	Major group/class	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS	1500	8000	15
2	VEGETABLES			
3	SPICES			
4	FOREST SPECIES	1100	5500	5
5	ORNAMENTAL CROPS			
6	PLANTATION CROPS			
7	OTHERS			·
	TOTAL	2600	13500	20

### **BIO PRODUCTS**

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of
			No	(kg)		Farmers
BIOAGENTS						

					30
Vermi compost			550	5500	20
	Vermi compost	Vermi compost	Vermi compost	Vermi compost 550	Vermi compost         550         5500

Sl. No. Product Name	Duodust Nome	Constant	Qua	ntity	V-1 (D- )	Provided to No. of
	Species	Nos	(kg)	Value (Rs.)	Farmers	
1	BIOAGENTS					
2	BIO FERTILIZERS					
3	BIO PESTICIDE					
4	Others			550	5500	20

### LIVESTOCK :NA

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

	1		
POULTRY			
FISHERIES			
Others (Specify)			

		Quantity				
Sl. No.	Туре	Type Breed Nos Kgs Value (Rs.)	Value (Rs.)	Provided to No. of Farmers		
1	CATTLE					
2	SHEEP & GOAT					
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)	KVK Mokokchung Newsleter	KVK Mokokchung	400
Total	· ·		
Technical reports			
Popular articles			
Leaflets/folders	<ol> <li>Cultivation practices of cucumber</li> <li>Cultivation practices of Toria</li> <li>Cultivation practices of pea</li> <li>IPM on rapeseed and mustard</li> <li>High density planting in banana</li> <li>Goatery Management</li> </ol>	KVK Mokokchung	1200
Total	6		
GrandTOTAL	7		1600

(C) Details of Electronic Media Produced:NA

S. No.	Type of media (CD / VCD / DVD / Audio- T 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
- Inservice personnel

#### 3.11 Field activities

i. Number of villages adopted :4

ii. No. of farm families selected: 20

iii. No. of survey/PRA conducted: 4

### 3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Installation process

1. Year of establishment : 2011

List of equipments purchased with amount

SI. 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 : On process

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

### 4.0 IMPACT

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

Name of specific technology/skill transferred	No. of	% of adoption	Change in income (Rs.)	
	participants		Before (Rs./Unit)	After (Rs./Unit)
Cultivation practices of Toria (TS-36 & 38)		45	15,000	18800/ha
2. Cultivation practices of pea (Azad & Arkel)		42	19,700	21200/ha
3. Cultivation practices on paddy (SARS 1&2)		60	9,000	14040/ha
4. Cultivation practices on HYV tomato (Megha-1)		63	20,000	27,000/ha
·				

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)

			Voor of oott		Details of production		Amount (Rs.)		
SI. No.	Demo Unit	Year of estt.	Area	Variety	Produce	Qty.	Cost of inputs	Gross income	Remarks
1	Vermicompost	2008	20sqm	Esenia foeteda	Compost	760kg/yr	2200	-	-
2	Banana fiber extraction	2010	500sqm	-	Fiber	On going	-	-	-

# 6.2 Performance of instructional farm (Crops) including seed production

	Date of sowing		ha)	Detai	ls of production	n	Amou	nt (Rs.)	
Name Of the crop	3	Date of harvest	Area (ha)	Variety	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
Cereals a) Upland paddy	25.03.11	8.09.11	0.15	SARS-1& 2 HQPM-1	Grain	3.4	2000	4080	Good yield
b) Maize	28.03.11	17- 20.08.11	0.05		Green cobs	-	1200	900	Green cobs are not prefer much by the farmers
Pulses									
a) Pea	18/10/11	20 jan-	0.1	Arkel	Pod	0.72	850	1080	-
b) Soybean	22/06/11	10 feb 2012 20/12/11	0.002	Indira soya9	Pod	0.32	650	1120	-
Oilseeds									
Toria	11/10/11	17/01/12	0.02	TS-36 & 38	Seed	0.42	900	1650	-
Spices & Planta	tion crops								
Turmeric	28/05/10	6- 8.02.12	0.0585	Megha -1	Rhizome	7	1500	7000	Good yield
Ginger	04.04.11	15.01.12	0.003	Local red ginger	Rhizome	3.5	1500	3500	Good yield
Vegetables									
Cabbage	21.09.11	12.01.12	0.005	Snow ball	Head	0.35	650	525	
Tomato	28/10/11	-	0.04	Megha-1&10	Fruit	On going	650	-	Yield is satisfactory
Broccoli	21.10.11	-	0.02	KTS-1	Seed	Ongoing	750	-	-
Others (specify)		1			1			I	<u>I</u>

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

SI.			Amou	ınt (Rs.)	
No.	Name of the Product	Qty	Cost of inputs	Gross income	Remarks
1	Vermi compost	760kg	2200	7600	Use in farm management

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

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

### 6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit:NA

Data	Title of the training course		No of Courses	No. of P	articipants inclu	ding SC/ST	N	o. of SC/ST Particip	pants
Date	Title of the training course	Client (PF/RY/EF) No. of Course	No. of Courses	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

2000.000								
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

ltom	Released by ICAR/ZPD		Expenditure		Unaport balance as an 21st March 2012	
Item	2009-10	2010–11	2009-10	2010-11	Unspent balance as on 31 <sup>st</sup> March, 2012	
Inputs						
Extension activities						
TA/DA/POL etc.						
TOTAL						

# 7.3 Utilization of KVK funds during the year 2011 -12

S. N0	Particulars		Released (in Lakh)	Expenditure (in Lakh)		
A. Re	curring Contingencies					
1	Pay & Allowances	58.40	6297628	6297628		
2	Traveling allowances	1.5	1	1		
3	Contingencies 8.00 3.00 3.00					
Α	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)					
В	POL, repair of vehicles, tractor and equipments					
С	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)					
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)					
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)					
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)					
G	Training of extension functionaries					
Н						
1	Establishment of Soil, Plant & Water Testing Laboratory					
J	Library					
	TOTAL (A)					
B. No	n-Recurring Contingencies					
1	Works	10	3.5	3.5		
2	Equipments including SWTL & Furniture					
3	Vehicle (Four wheeler/Two wheeler, please specify)					
4	Library (Purchase of assets like books & journals)	0.10	-	-		
	TOTAL (B)					
C. RE	VOLVING FUND					
	GRAND TOTAL (A+B+C)	78.00	70,47,628	70,47,628		

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

Year	Opening balance as on 1st April	Income during the	Expenditure	Net balance in hand as on 1st April of	
		year	during the year	each year	
April 2009 to March 2010	1,45,000	25,000	5000	1,65,000	
April 2010 to March 2011	1,65,000	20,000	12,000	1,73,000	
April 2011 to March 2012	1,73,000	22,175	14,500	1,80,675	

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

#### 8.1 Constraints

### (a) Administrative

- 1. Need of a full time Programme Coordinator
- 2. Need for more supporting staffs

### (b) Financial

- 1. Enhancing the contingency
- 2. Separate funds for OFT, FLD and trainings
- 3. Release of funds directly to respective KVK account

### (c) Technical

- 1. More demonstration units
- 2. Need of VSAT and power generator
- 3. Requirement of latest field equipments and instruments

Programmme Coordinator KVK, Mokokchung