

ANNUAL ACTION PLAN: 2011 -12 (2011 APRIL TO 2012 MARCH

KVK, Mokokchung, Nagaland

PART – I

(GENERAL INFORMATION)

1. General information about the KVK
2. Name and address of KVK with Phone, Fax and E-mail*

Complete postal address with Pin Code	Telephone	Fax	E mail
KVK, Mokokchung Post Box No – 23 Mokokchung – 798601 Nagaland	0369/2226537	0369/2227627	kvkmokokchung@gmail.com kvkmokokchung@rediffmail.com

Name and address of host organization with Phone, Fax and E-mail*

Complete postal address with Pin Code	Telephone	Fax	E mail
Directorate of Agriculture, Kohima – 797111 Nagaland.	0370/2243116	0370/2243970	agrilandkvk@rediffmail.com.

Name of the Programme Coordinator with Landline & Mobile No*

Name of PC	Contacts		
	Residence	Mobile	E mail
S. Sosang Jamir	0369/2228567	9436006351	sosangjamir@yahoo.in

Year of sanction of KVK: 2003

Scientific Staff Position* (As on 28th feb, 2011)

No.	Sanctioned posts	Name of the incumbent	Designation	Discipline	Date of joining	Permanent/Temporary
1	Programme Coordinator	S. Sosang Jamir	Programme Coordinator	Agronomy	18.06.03	Temporary
2	Subject Matter Specialist	Renbomo Nguilie	Subject Matter Specialist	Horticulture	24.05.06	Temporary
3	Subject Matter Specialist	Dr. Rongsensusang	Subject Matter Specialist	Vety & AH	24.05.06	Temporary
4	Subject Matter Specialist	Samuel Sangtam	Subject Matter Specialist	Agronomy	24.05.06	Temporary
5	Subject Matter Specialist	Akangtemjen	Subject Matter Specialist	Entomology	24.05.06	Temporary
6	Subject Matter Specialist	Bendangjungla	Subject Matter Specialist	PB&G	24.05.06	Temporary
7	Subject Matter Specialist	Royuso Nakhro	Subject Matter Specialist	Extension	13.11.07	Temporary
8	Programme Assistant	Moainla	Programme Asstt.		24.05.06	Temporary
9	Computer Programmer	I.Tangitla	Programme Asstt (Computer)		24.05.06	Temporary
10	Farm Manager	Jweni Semp	Programme Asstt (Farm)		07.11.07	Temporary

Total land with KVK (in ha):

No.	Item	Area (ha)
1	Under Buildings	0.2
2.	Under Demonstration Units	1
3.	Under Crops	2.5 (instructional Farm)
4.	Orchard/Agro-forestry	1
5.	Others (Fallow Land)	18.3

SAC meetings proposed for the year:

No.	Proposed Date/Month	Expected Participants	Salient Action Points
1	26/08/2011	All SAC Members	Review of on going activities and formulation of next action plan
2	March 2012	All SAC Members	Review of on going activities and formulation of next action plan

Details of district (2010-11)**Major farming systems existing in the district* (based on the study made by the KVK)**

No	Farming systems identified
1	Agriculture + Horticulture
2	Agriculture + Veterinary
3	Agriculture + Fishery
4	Agriculture + Horticulture + Veterinary + Fishery

Description of Agro-climatic Zone (based on soil and topography)

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

Description of major agro ecological situations (based on Altitude)

No	Agro ecological situation	Characteristics
1	AES – I (Below 500 msl)	Hot & Humid with sub tropical climate
2	AES – II (500-1000 msl)	Moderate, sub-montane hill zone
3	AES – III (1000-1500 MSL)	Moderate to extreme cold and dry during winter
4	AES – IV (Above 1500 msl)	Moderate to extreme cold and dry during winter

Details of Operational area / Villages (April 2011 – March 2012)

No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1		Ongpangkong (N)	Ungma, Chuchuyimpang	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 mix cropping only in one season (Kharif), practice of mono cropping, 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		Ongpangkong (S)	Aliba Longkum	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	Mopungchuket	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		Changtongya	Chuchuyimlang Mongsenyimti,	Paddy, Tapioca, Maize, Collocasia, banana, Orange, Pineapple Arecanut, 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		Mangkolemba	Longnak, Longpayimsen	Paddy, Maize, Tapioca, Orange, Pineapple, Arecanut, Tea, betel vine, Passion fruit 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 'A'	Paddy, Tapioca, Maize, colocassia, cucurbits pineapple oranget, 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

Priority thrust areas (prioritized in sync with thrust areas identified and given above)

Rank	Thrust area
1	Increase in paddy & maize production by introducing high yielding and short duration varieties. Promotion of SRI technology
2	Increase production of banana, passion fruit, orange, pineapple, arecanut, betel vine and tea. Promotion of temperate fruits .Commercial cultivation of chili, tomato and potato
3	Introduction and popularization of QPM and baby corn cultivation. Increase production of oilseeds and pulses.
4	Popularize Dairy, poultry and piggery farming through scientific breeding programme and hygienic slaughter. Promotion of goatery farming, cultivation of seed & fodder
5	Popularization of apiculture and fishery for commercial production.
6	Commercial production of off-season cucumber and floriculture
7	Development of marketing networks and infrastructure

PART – II (OFT AND FLD)

2. Technical activities proposed

Abstract of interventions to be undertaken during 2011-12 (Target)

No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions (if any)					
				Title of OFT	Title of FLD	Title of Training	Title of training for extension personnel	Extension activities	Supply of seeds, planting materials
1	To increase production	Paddy	Low production in farmers local cultivars	Performance of paddy variety (Bhalum -3 &4)		Performance of new paddy variety (Bhalum 3-4)		Field day	Seed
2	To increase production and productivity	Toria	Yield gap due to lack of suitable varieties and poor adoption level	Performance of toria (TS-46) after paddy		Promotion of oilseed production	Promotion of oilseed production	Field day	Seed
3	To increase production	Groundnut	Low yield in existing varieties used by farmers	Performance trial on groundnut (ICGS -76)		Cultivation practices of groundnut		Leaflet, demonstration	seed
4	Improvement of backyard poultry	Poultry	Poor production of indigenous birds	Performance of dual purpose vanaraja birds					chick
5	Indigenous feed resources	Pigweed	High cost in feed	Estimation of yield and analysis of proximate composition				Demonstration	seed
6	Introduction 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		Demonstration , field day	Planting material
7	Introduction of suitable high yielding variety	Passion fruit	Low production in local cultivar	Adaptability trial of Yellow type		Package and practices of passion fruit		Field day, demonstration	Planting materials
8	To increase production and quality of fruits	Tomato	unmarketable fruit quality	Pruning in tomato		Different methods of pruning in tomato		Demonstration , field day	seed
9	To popularize local variety maize (sticky type)	Maize	Less popular and lack of knowledge	Varietal trial on local maize (Mapok)				Leaflet	seed
10	To control pest infestation	Toria	Aphid infestation resulting in reduction of yield	Bioefficacy of neem oil against mustard aphid				Demonstration , leaflets	Neem oil
11	To increase production	Toria	Cannot withstand moisture stress condition		Multi-location trial on toria (TS- 36)	Cultivation practices of oilseed		Demonstration , field day	seed
12	Increase production	Toria	Use of local varieties, Low yield due to poor plant stand under late sown condition		Popularization of late sown toria (TS 38) after paddy	Promotion of high yielding toria variety	Promotion of oilseed production	Field day	Seed
13	Pulses production	Pea	Poor yield in local cultivar, less popular among farmers		Pea as second crop after paddy (Arkel)			Leaflet	seed

14	Vegetable production	Tomato	Poor yield in local varieties		Megha – 1 & 10 for higher production	Increase production of tomato through use of HYV		Field days, leaflets, demonstration	Seed
15	Vegetable production	Broccoli	Lack of awareness in exotic crop cultivation		Promotion of broccoli cultivation (Pushpa)	Package of practices of Broccoli		Demonstration , leaflet	seed

Details of On Farm Trials be undertaken during 2011-12 (Target)

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	Assessment/ Refinement (WRITE A / R)	No. of trials*
1	2	3	4	5	6
Paddy	Rainfed	Low production In farmers local cultivars	Performance of new paddy varieties (Bhalum 3 & 4)	A	3
Toria	Rainfed	Lack of suitable varieties and poor adoption level	Performance trial of toria after paddy	A	3
Groundnut	Rainfed	Low yield in existing varieties used by farmers	Performance trial on groundnut	A	3
Poultry	Backyard farming	Poor production of indigenous birds	Performance of dual purpose Vanaraja birds	A	20
Pigweed	Rainfed	High cost in feeds	Estimation of yield and analysis of proximate composition	A	3
Banana	Rainfed	Low yield in local varieties	Cultivation of tissue culture banana	A	5
Passion fruit	Rainfed	Low production in local cultivar	Adaptability trial of new variety	A	3
Tomato	Rainfed	Inferior fruit quality	Pruning in tomato	A	3
Maize	Rainfed	Less popular and lack of knowledge	Varietal trial on local maize	A	3
Toria	Rainfed	Aphid infestation resulting in reduction of yield	Bio- efficacy of neem oil against mustard aphid	A	3

Technology assessed/refined	Year of release of technology	Whether the technology is latest one available? (Y/N)*	If NO, then reason for using the old technology for OFT (in detail)	Parameters of assessment
6				7
Bhalum -3 & 4	2010	Yes	NA	<ul style="list-style-type: none"> Plant height, No. of tillers, length of panicle, No. of grains per panicle, yield
TS -46	2009	Yes	NA	<ul style="list-style-type: none"> Plant height, No. of branches, yield
ICGS -76		Yes	NA	<ul style="list-style-type: none"> Plant height, duration, no. of pod/plant, yield
Vanaraja	2005	Yes	NA	<ul style="list-style-type: none"> Growth rate Egg laying capacity
local	2008	Yes	NA	<ul style="list-style-type: none"> Yield Proximate chemical composition
Grand naine	2008	Yes	NA	<ul style="list-style-type: none"> Duration Yield
Yellow type	2005	Yes	NA	<ul style="list-style-type: none"> Growth duration Yield
Megha -1	2008	Yes	NA	<ul style="list-style-type: none"> No. of truss/plant No. of flower/truss Fruit volume Yield
Local sticky maize	2005	Yes	NA	<ul style="list-style-type: none"> Plant height No. of cob/plant No. of grains/cob Test weight (1000 grains) Bio- chemical content
TS-36	2007	Yes	NA	<ul style="list-style-type: none"> Percentage Infestation yield

Frontline Demonstrations

Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2010-11 and recommended for large scale adoption in the district

No	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
1	Pulses production	French bean (Mutre local)	Awareness programme, farmers field visit, field day	5	10	5
		Soybean (JS-335)	Awareness programme, farmers field visit, field day, advisory services	3	6	3
2	Oilseed production	Toria (TS-38)	Awareness programme, farmers field visit, field day, advisory services	3	6	3
3	Crop production	IR -64 &SARS -1	Awareness programme, training, farmers field visit, field day, advisory services	3	4	2
4	Vegetable production	Tomato (Megha -1)	Training, leaflets, field day and advisory services	3	9	2

Details of FLDs to be implemented during 2011-12 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

A. Cereal Crops

No.	Crop	Thematic area	Technology Demonstrated	Season and year	Whether the technology assessed/refined by KVK earlier (Y/N)?	If not, how the technology was proven as suitable for FLD in the district?	Area (ha)		No. of farmers/demonstration	
							Proposed		SC/ST	Others
1										

B. Oilseed crops

No.	Crop	Thematic area	Technology Demonstrated	Season and year	Whether the technology assessed/refined by KVK earlier (Y/N)?	If not, how the technology was proven as suitable for FLD in the district?	Area (ha)		No. of farmers/demonstration		
							Proposed		SC/ST	Others	Total
1	Toria	Oilseed production	TS -36	Rabi 2011	Yes	NA	3		6		6
2	Toria	Oilseed production	TS-38	Rabi 2011	Yes	NA	2		4		4

C. Pulse Crops

No.	Crop	Thematic	Technology	Season and	Whether the	If not, how the	Area (ha)	No. of farmers/demonstration
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Management of potted plants										
Production of export potential 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	1					10	15	25	25	
Processing and value addition										
f) Spices										
Production and Management technology										
Processing and value addition	1					10	15	25	25	
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
III Soil Health and Fertility Management										
Soil fertility management										
Soil and Water Conservation										
Integrated Nutrient Management	1					10	15	25	25	
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										
Poultry Management	1					5	20	25	25	
Piggery Management	1					11	14	25	25	
Rabbit Management										
Disease Management										
Feed management	1					5	20	25	25	
Production of quality animal products										
V Home Science/Women empowerment										
Household food security by nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Income generation activities for empowerment of rural Women										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
VI Agricultural 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 Technologies										
VII Plant Protection										
Integrated Pest Management	1					11	14	25	25	

Repair and maintenance of farm machinery and implements											
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Value addition	1						13	12	25	25	
Production of quality animal products											
Dairying											
Sheep and goat rearing	1						12	13	25	25	
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Training as Para vets											
Training as Para extension workers											
Composite fish culture											
Freshwater prawn culture											
Fish harvest and processing technology											
Fry and fingerling rearing											
Small scale processing	1						15	10	25	25	
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
TOTAL	6						81	69	150	150	
(C) Extension Personnel											
Productivity enhancement in field crops	1										
Integrated Pest Management	1						8	8	16	16	
Integrated Nutrient management	1										
Rejuvenation of old orchards	1						9	6	15	15	
Protected cultivation technology											
Formation and Management of SHGs											
Group Dynamics and farmers organizations											
Information networking among farmers											
Capacity building for ICT application	1						10	7	17	17	
Care and maintenance of farm machinery and implements											
WTO and IPR issues											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Women and Child care											
Low cost and nutrient efficient diet designing											
Production and use of organic inputs											
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
TOTAL	5						27	21	48	48	

Off Campus

Thematic area	Courses (No)	No. of participants									Grand Total
		Others			SC			ST			
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women											
I Crop Production											
Weed Management	1						12	13	25	25	
Nutrient Management	1						10	15	25	25	

Nutrient Use Efficiency											
Soil and Water Testing											
IV Livestock Production and Management											
Dairy Management											
Poultry Management	1						13	12	25	25	
Piggery Management	1						15	10	25	25	
Rabbit Management											
Disease Management											
Feed management	1						12	13	25	25	
Production of quality animal products											
V Home Science/Women empowerment											
Household food security by nutrition gardening											
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet											
Minimization of nutrient loss in processing											
Gender mainstreaming through SHGs											
Storage loss minimization techniques											
Value addition											
Income generation activities for empowerment of rural Women											
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care											
VI Agricultural 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 Technologies											
VII Plant Protection											
Integrated Pest Management	1						13	12	25	25	
Disease Management											
Bio-control of pests and diseases	1						12	13	25	25	
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											
Vermicompost production	1						10	15	25	25	

Other 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 in villages											
Managing Group dynamics											
Formation and Management of SHGs	1						13	12	25	25	
Mobilization of social capital in villages											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (Pl. Specify)											
TOTAL	16						198	202	400	400	
(B) RURAL YOUTH											
Mushroom Production	1						10	15	25	25	
Bee-keeping											
Integrated farming											
Seed production											
Production of organic inputs											
Integrated Farming											
Planting material production											
Vermiculture											
Sericulture	1						10	15	25	25	
Protected cultivation of 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						10	15	25	25	
Production of quality animal products	1						12	13	25	25	
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production	1						12	13	25	25	
Ornamental fisheries											
Training as Para vets											
Training as Para extension workers											
Composite fish culture											
Freshwater prawn culture											
Fish harvest and processing technology											
Fry and fingerling rearing											
Small scale processing											
Post Harvest Technology	1						14	11	25	25	
Tailoring and Stitching											
Rural Crafts											
TOTAL	6						68	82	150	150	

(C) Extension Personnel											
Productivity enhancement in field crops	1										
Integrated Pest Management	1										
Integrated Nutrient management											
Rejuvenation of old orchards	1						10	5	15	15	
Protected cultivation technology											
Formation and Management of SHGs											
Group Dynamics and farmers organizations											
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						9	10	19	19	
Household food security											
Women and Child care											
Low cost and nutrient efficient diet designing											
Production and use of organic inputs											
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
TOTAL	4						19	15	34	34	

Consolidated table (On + Off + Sponsored + Vocational)

Thematic area	Courses (No)	No. of participants									Grand Total	
		Others			SC			ST				
		Male	Female	Total	Male	Female	Total	Male	Female	Total		
(A) Farmers & Farm Women												
I Crop Production												
Weed Management	1							12	13	25	25	
Nutrient Management	2							20	30	50	50	
Resource Conservation Technologies												
Cropping Systems	1							12	13	25	25	
Crop Diversification												
Integrated Farming systems	2							25	25	50	50	
Water management												
Seed production	1							10	15	25	25	
Nursery management												
Integrated Crop Management	1							12	13	25	25	
Fodder production												
Production of organic inputs												
II Horticulture												
a) Vegetable Crops												
Production of low volume and high value crops	1							10	15	25	25	
Off-season vegetables												
Nursery raising	1							12	13	25	25	
Exotic vegetables production												
Production of export potential vegetables												
Grading and standardization												
Protective cultivation (Green Houses, Shade Net etc.)												
b) Fruits												
Training												
Pruning												
Layout and Management of Orchards	1							12	13	25	25	

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 Technologies											
VII Plant Protection											
Integrated Pest Management	2						24	26	50	50	
Disease Management											
Bio-control of pests and diseases	2						27	23	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	2						21	29	50	50	
Other 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 in villages											
Managing Group dynamics											
Formation and Management of SHGs	2						23	27	50	50	
Mobilization of social capital in villages											
Entrepreneurial development of farmers/youths	1						10	15	25	25	
WTO and IPR issues											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (Pl. Specify)											
TOTAL	35						402	473	875	875	
(B) RURAL YOUTH											
Mushroom Production	1						10	15	25	25	
Bee-keeping	1						15	10	25	25	
Integrated farming	1						15	10	25	25	

Seed production											
Production of organic inputs											
Integrated Farming											
Planting material production											
Vermiculture											
Sericulture	1						10	15	25	25	
Protected cultivation of 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	2						23	27	50	50	
Production of quality animal products	1						12	13	25	25	
Dairying											
Sheep and goat rearing	1						12	13	25	25	
Quail farming											
Piggery											
Rabbit farming											
Poultry production	1						12	13	25	25	
Ornamental fisheries											
Training as Para vets											
Training as Para extension workers											
Composite fish culture											
Freshwater prawn culture											
Fish harvest and processing technology											
Fry and fingerling rearing											
Small scale processing	1						15	10	25	25	
Post Harvest Technology	1						14	11	25	25	
Tailoring and Stitching											
Rural Crafts											
TOTAL	11						138	137	275	275	
(C) Extension Personnel											
Productivity enhancement in field crops	2										
Integrated Pest Management	2						8	8	16	16	
Integrated Nutrient management	1										
Rejuvenation of old orchards	2						19	11	30	30	
Protected cultivation technology											
Formation and Management of SHGs											
Group Dynamics and farmers organizations											
Information networking among farmers											
Capacity building for ICT application	1						10	7	17	17	
Care and maintenance of farm machinery and implements											
WTO and IPR issues											
Management in farm animals											
Livestock feed and fodder production	1						9	10	19	19	
Household food security											
Women and Child care											
Low cost and nutrient efficient diet designing											
Production and use of organic inputs											
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
TOTAL	9						46	36	82	82	

Newspaper coverage	6													
Radio talks	12													
TV talks														
Popular articles														
Extension Literature	6													
Advisory Services	6	20	30	50				10	15	25	30	45	75	
Scientific visit to farmers field	12													
Farmers visit to KVK	12													
Diagnostic visits	5	40	60	100							40	60	100	
Exposure visits	2	18	12	30				12	13	25	30	25	55	
Ex-trainees Sammelan														
Soil health Camp														
Animal Health Camp	3	60	70	130							60	70	130	
Agri mobile clinic														
Soil test campaigns														
Farm Science Club Conveners meet														
Self Help Group Conveners meetings	2	15	21	36				15	14	29	30	35	65	
Mahila Mandals Conveners meetings														
Celebration of important days (specify)														
Any Other (Specify)														
Total	113	508	637	1145	8	7	15	91	108	199	607	752	1359	
M=Male	F=Female	T=Total												

Proposed production and supply of Technological products

Seed materials:

Sl. No.	Crop	Variety	Proposed Quantity (qtl.)	Value (Rs.)	To be provided to (No. of Farmers)
Cereals					
	Upland rice	SARS -1	5	4000	15
	WTRC	SARS-6	10	8000	30
Oilseeds					
	Toria	TS -36 & 38	0.5	1800	20
Pulses					
	Soybean	JS-335	4	16000	30
	French bean	Mutre local	4	14000	50
Vegetables					
	Tomato	Megha -1	0.02	1600	40
Flower Crops					
Others (Specify)					

Spices	Turmeric	Megha -1	10	15000	20
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Planting materials :

SI. No.	Crop	Variety	Quantity (Nos.)	Value (Rs.)	To be provided to (No. of Farmers)
Fruits					
	Passion fruit	Kavery, yellow type	1000	5000	10
	Banana	Grand naine	1000	12000	20
Spices					
Vegetables					
Forest Species					
	Alder	Local	2500	12500	120
Ornamental Crops					
Plantation Crops					
Others (specify)					

Bioproducts : NA

SI. No.	Product Name	Species	Quantity		Value (Rs.)	To be provided to (No. of Farmers)
			No	(kg)		
Bioagents						
1						
Biofertilizers						
1						
Bio Pesticides						
1						

Livestock :NA

SI. No.	Type	Breed	Quantity		Value (Rs.)	To be provided to (No. of Farmers)
			Nos	Kgs		
Cattle						
Sheep and Goat						
Poultry						
Fisheries						
Others (Specify)						

Literature proposed to be developed/ published

Item	Title	Number
Research papers		

Technical reports		
News letters	KVK, Mokokchung News letter	1
Technical bulletins		
Popular articles		
Extension literature	1. Cultivation practices of Cucumber 2. Cultivation practices of toria 3. Cultivation practices of Ricebean 4. IPM on rapeseed & mustard 5. High density planting in banana 6. Goatery management	6
Others (Pl. specify) Manual	Practical manual for extension functionaries	1
Total		8

Details of Electronic Media proposed:

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Proposed title of the programme	Number
1	CD	Bamboo flowering and rodent outbreak	
2	CD	Multi location trial of SRI	

Field activities proposed

- i. Number of villages to be adopted : 6
- ii. No. of farm families to be selected : 24
- iii. No. of surveys/PRA to be conducted : 6

Proposed activities of Soil and Water Testing Laboratory : NA

- Status of establishment of Lab : NA**
1. Year of establishment : NA
2. Details of samples to be analyzed :

Details	No. of Samples	No. of Farmers	No. of Villages
Soil Samples			
Water Samples			
Total			

**PART – V
(LINKAGES WITH OUTSIDE ORGANISATIONS)**

5. Proposed Linkages

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 in the district	Conducting training, demonstration programmes
ICAR, Jharnapani, Nagaland University	Consultation, meeting and exchange of technologies
AIR Doordashan Mokokchung	Technology dissemination through broadcasting media through AIR by staff of KVK.
Nagaland Bee and Honey Mission(NBHM)	Conducting training, demonstration programmes
Nagaland State Cooperative Bank	Joint implementation of Farmers clubs
NABARD	Joint implementation of Farmers clubs

List special programmes to be undertaken by the KVK, financed by State Govt./Other Agencies (if any) NA

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
NICRA	March, 2011	CRIDA	30.35 lacs.

Details of proposed linkage with ATMA

a) Is ATMA implemented in your district (Yes/No): Yes

S. No.	Programme	Nature of linkage proposed
1	Training, Demonstration, Exhibition	Resource person and programme implementation as AMC , convenor and BTT members

Give details of programmes implemented under National Horticultural Mission (if any) : NA

S. No.	Programme	Nature of linkage proposed

Nature of linkage with National Fisheries Development Board (if any): NA

S. No.	Programme	Nature of linkage proposed

PART – VI
(PERFORMANCE OF INFRASTRUCTURE)

6. Performance of infrastructure in KVK

Proposed utilization of demonstration units (other than instructional farm) : NA

No.	Demo Unit	Year of estt.	Area	Proposed production			Amount (Rs.)	
				Variety	Produce	Qty.	Cost of inputs	Gross income expected
1	Vermicomposting	2009	50 sqm	<i>Eisenia foetida, Eudrilus eugeniae</i>	Vermicompost	400 kg/unit/harvest	2000	4000/unit/harvest
2	Banana fibre extraction	2010	100 sqm	-	Fibre, feed, liquid extract	300 kg	10,000	36,000
3	Goatery	2011		On pipeline	NA	NA	NA	NA

Proposed utilization of instructional farm (Crops) including seed production:

Name Of the crop	Expected Date of sowing	Expected Date of harvest	Area (ha)	Proposed production			Amount (Rs.)	
				Variety	Type of Produce	Qty. (q/t)	Cost of inputs	Gross income expected
Paddy	1st wk April	Last wk sept	0.15	SARS - 1	Grain	3.5	750	2500
Maize	1st week April	2 nd week July	0.05	HQPM-1	Green cob	3000 cobs	1400	3800
Pulses								
Bean	April	June	0.002	Local	Green pod	0.175	400	550
Oilseeds								
Toria	Last wk Oct.	2 nd wk feb	0.02	TS-36 &38	Seeds	0.25	450	1000
Groundnut	2 nd wk April	3 rd wk August	0.003	ICGS-76	Pod	0.13	300	450
Fibers								
Spices								
King chili	3 rd wk April	August	0.01	Local	Fruit	0.70	1200	5500
Turmeric	2 nd April	December	0.095	Megha - 1	Rhizome		600	
Garlic	September	Feb	0.002	Local	Bulb	0.17	650	1350
Plantation crops								
Floriculture								
Fruits								
Banana	April	-	1	Grand naine	Banana bunch & fibre	-	-	-
Vegetables								
Knol khol	2 nd wk September	3 rd wk January	0.013	EWV		0.75	400	900
Broccoli	Sept	Dec	0.02	Pushba	Head	1	1500	3000
Tomato	3 rd wk Oct	3 rd wk dec.	0.004	Megha-1&10	Fruit	0.85	750	1020
Others (Specify)								
Tapioca	Last wk March	3 rd wk Dec.	0.09	Local	Tuber	28.0	1500	5600

Proposed production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) : NA

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

Performance of instructional farm (livestock and fisheries production) NA

No	Name of the animal / bird / aquatics	Details of expected production		
		Breed	Type of Produce	Qty expected

**PART – VII
(SUMMARY)**

7. Summary

Targets for 2010-11 for KVK.

On Farm Trials

Thematic areas	Cereals	Pulses	Vegetables	Fruits	Total
Cropping system					
Crop diversification					
Production and managerial technology			2	1	3
Grand total			2	1	3

FLDs on oilseed and pulse crops.

Name of KVK	Oilseeds		Pulses	
	Area (ha)	No. of farmers	Area (ha)	No. of farmers
KVK, MOKOKCHUNG NAGALAND	2	4	2	4
Total	2	4	2	4

Training programmes

Area	Farmers/ farm women		Rural youth		Extension personnel	
	Courses	Participants	Courses	Participants	Courses	Participants
Crop Production	8	200	1	25	-	-
Horticulture	10	250	4	100	2	30
Plant Protection	4	100	-	-	1	16
Home Science	-	-	-	-	-	-
Animal Science	6	150	3	75	1	19
Soil Science	4	100	-	-	-	-
Agril Engineering	-	-	-	-	-	-
Bee Keeping	-	-	-	-	-	-
Mushroom Cultivation	-	-	1	25	-	-
Agro forestry	-	-	-	-	-	-
Others i) Sericulture	-	-	1	25	-	-
ii) Agri.Extension	3	75	-	-	1	17
Total	35	875	10	250	5	82

Extension Activities

Activity	Nos
Field days	11
Kisan Mela	-
Exhibition	3
Exposure visit	2
Extension literature	6
Scientist farmers' interaction	5
Ex-trainees meet	-
Advisory services	9
Newspaper coverage	6
TV show	-
Radio talk	12
Others (Kisan Gosth/ group discussion)	7
Total	63

Seed Production:

KVK	Quantity (qtl)			
	Cereals	Oilseeds	Pulses	Vegetables
KVK, MOKOKCHUNG NAGALAND	15	0.5	8	0.02
Total	15	0.5	8	0.02

Planting Materials :

KVK	Quantity (nos)			
	Fruits	Vegetable Seedlings	Tree Species	Ornamental Plants
KVK, MOKOKCHUNG NAGALAND	2000	-	2500	-
Total	2000	-	2500	-

SIGNATURE, PROGRAMME COORDINATOR