#### **ANNUAL ACTION PLAN: 2009-10**

#### KVK, EAST KAMENG

#### Guidelines for filling up the Proforma:

- 1. This Proforma can also be downloaded from the website www.icarzcu3.gov.in don't type the Proforma again.
- 2. Don't change the page setup of this Proforma under any circumstances. Use the same proforma provided.
- 3. The Proforma has to be filled up strictly in Arial font 8 point size in single spacing. Don't use bold and italics anywhere in the text.
- 4. The Proforma given below has to be filled up in full and no column should be left vacant.
- 5. If any column appears not applicable to your KVK then it may be filled as 'NA'. Don't use any other abbreviations in such cases.
- 6. Enter data strictly confirming to the units specified in the Proforma. (Ex. ha, kg, qtl etc) Don't enter data in units such as acres or bighas.

#### PART – I (GENERAL INFORMATION)

#### 1. General information about the KVK

Name and address of KVK with Phone, Fax and E-mail\*

Complete postal address with Pin Code	Telephone	Fax	E mail
KVK, East Kameng	03787 – 223586	03787 – 223586	
P.O. Seppa, Pampoli-790 102			

#### 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, P.O:-Naharlagun, District Papum pare, Arunachal Pradesh, PIN- 791 110.	0360 - 2244252 (O), 0360 - 2244462 (R)	0360 - 2244252	

#### Name of the Programme Coordinator with Landline & Mobile No\*

Name of PC	Contacts				
Number 1	Residence	Mobile	E mail		
Dr. Sanjoy Borthakur		09436837488, 09435672010	sanjoyborthakur@yahoo.co.in		

<sup>\* =</sup> Mandatory and to be provided without fail.

Year of sanction of KVK: 2008

# Scientific Staff Position\* (As on 30<sup>th</sup> August, 2009)

No.	Sanctioned posts	Name of the incumbent	Designation	Discipline	Date of joining	Permanent /Temporary
01.	Programme Coordinator	Dr. Sanjoy Borthakur	Programme Coordinator	Agri. Statistics	28.11.2008	Temporary
02	Subject Matter Specialist	Ms. Shahida Choudhury	Subject Matter Specialist	Horticulture	25.11.2008	Temporary
03	Subject Matter Specialist	Mr. Binod Kalita	Subject Matter Specialist	Agronomy	01.12.2008	Temporary
04	Subject Matter Specialist	Mr. Satyendra Kumar	Subject Matter Specialist	Fisheries	12.12.2008	Temporary
05	Programme Assistant	Dr. Lige Basar	Programme Assistant	Veterinary & A.H	26.11.2008	Temporary
06	Programme Assistant	Ms. Habung Monpa	Programme Assistant	Computer	01.12.2008	Temporary
07	Farm Manager	Mr. Tojo Basar	Farm Manager	Agriculture	22.12.2008	Temporary

<sup>\* =</sup> The scientific staff position should reflect in the quantity and quality of all programmes proposed by KVK in the action plan

Total land with KVK (in ha): 7.04 ha

No.	Item	Area (ha)
01.	Under Buildings	
02.	Under Demonstration units	
03.	Under Crops	
04.	Under Orchard/Agro forestry	
05.	others	

SAC meetings proposed for the year:

	proposed for the years			
No.	Proposed Date/Month	Expected Participants	Salient Action Points	
01.	15.02.2010	15	Discussion on collaboration with other departments and organizations for extension activities.	
02.	10.08.2010	15	Approval of Annual Action Plan and Annual Report     Discussion on collaboration with other departments and organizations for extension activities	

## Details of district (2009-10)

Major farming systems existing in the district\* (based on the study made by the KVK)

No	Farming systems identified			
01.	Agriculture + Horticulture			
02.	Agriculture + Horticulture + Animal Husbandry			
03.	Agriculture + Horticulture + Animal Husbandry + Pisciculture			
04.	Agriculture + Horticulture + Animal Husbandry + Pisciculture + Forestry			

<sup>\* =</sup> the programmes proposed by KVK should be matching with the identified farming systems

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

No	Agro-climatic Zone	Characteristics
01	Eastern Himalayan Region (Zone – II)	(i). Temperate: High altitude hills to mountainous plain, moderate to steep slope, temperate climate with high rainfall, moderately cool to cool climate throughout the year. In hills and mountainous plain soils shallow to deep, sandy loam in texture, well drain to excessive drain, with moderate to high soil erosion hazard. Moderate to strong acidic in nature, rich in organic matter content, medium in phosphorus and potassium content.
		(ii). Sub tropical: Medium altitude to mountainous plain, undulating having moderate slope, sub tropical climate with hot humid summer and cold winter. In hills and mountainous plain the soil is medium to deep, moderate to well drain, sandy loam in texture, moderate to heavy soil erosion hazards. Moderate to strong acidic in nature, rich in organic matter content, medium in phosphorous and potassium content.
		(iii). Sub tropical: low altitude foot hills to plain, plain to somewhat undulating, subtropical climate with hot humid summer and moderate cool winter. In foot hills and plain the soil is very deep, well drain, sandy loam to clay loam soil with minimum soil erosion hazard. Moderate to strong acidic in nature, rich in organic matter content, medium in phosphorous and potassium content

Description of major agro ecological situations (based on soil and topography)

No	Agro ecological situation	Characteristics
01	AES – I (High altitude)	High altitude hills to mountainous plain, more than 1300 m from msl, it covers 9% of the total geographical area of the district. The hill are high undulating, moderate to steep slope, dense and deciduous forest coverage, intercepted by fast flowing hilly streams. Temperate climate or moderate cool to cool climate, high rainfall received during summer season. In hills and mountainous plain soils shallow to deep, sandy loam in texture, well drain to excessive drain, with moderate to high soil erosion hazard. Moderate to strong acidic in nature, rich in organic matter content, medium in phosphorus and potassium content.
02	AES – II (Medium altitude)	Medium altitude hill to mountainous plain falls between 800 – 1300 m from msl and its covers an area of around 83% of the total geographical areas of the district. The hills are medium undulating to steep slope, moderate to dense forest coverage, intercepted by moderate to fast flowing of stream. Sub tropical climate with hot summer and cold winter. In hills and mountainous plain the soil is medium to deep, moderate to well drain, sandy loam in texture, moderate to heavy soil erosion hazards. Moderate to strong acidic in nature, rich in organic matter content, medium in phosphorous and potassium content.
03	AES – III (Low altitude)	Low altitude foothill to plain falls less than 800 m from msl and its covers an area of around 8% of the total geographical areas of the district. The foothills which are almost plain or somewhat undulating to slight slope, moderate forest coverage, intercepted by moderate to slow flowing of stream. Sub tropical climate with hot summer and cold winter. In foot hills and plain the soil is very deep, well drain, sandy loam to clay loam soil with minimum soil erosion hazard. Moderate to strong acidic in nature, rich in organic matter content, medium in phosphorous and potassium content.

# Details of Operational area / Villages (2009-10)

No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
01	Seppa, Richukhorong	Seppa, Bana	Pampoli, Jayanti, Fengche, Mebua, Pabua, Lumdung, Nere, Ningcho Wessang, Bana camp village, Richukhrong HQ, and Watte,	<i>Sali</i> paddy (Transplanted and DS in jhum areas)	Traditional mixed cropping system in jhum areas     Poor soil fertility     Lack of knowhow about soil fertility management     Poor yield of local varieties     Heavy infestation of pest and disease     Lack of Knowhow about use of irrigation facilities     Lack of Knowhow about management of weed infestation	Scientific cropping system     Improved varietal intervention     Scientific crop production technology     Adoption of INM, IPM and IWM technology
02	Seppa, Richukhorong Chayang Tajo	Seppa, Bana Chayang Tajo	Pampoli, Jayanti, Fengche, Mebua, Pabua, Lumdung, Nere, Ningcho, Wessang, Bana camp village, Richukhrong HQ, Watte,and Chayang Tajo	Maize, Millet	Traditional mixed cropping system in jhum areas     Poor soil fertility     Lack of knowhow about soil fertility management     Poor yield of local varieties     Heavy infestation of pest and disease     Lack of Knowhow about use of irrigation facilities     Lack of Knowhow about management of weed infestation	Scientific cropping system     Improved varietal intervention     Scientific crop production technology     Adoption of INM, IPM and IWM technology
03	Seppa, Richukhorong Chayang Tajo	Seppa, Bana Chayang Tajo	Pampoli, Jayanti, Fengche, Mebua, Pabua, Lumdung, Wessang, , Bana camp village, Richukhrong HQ, Wangsy, and Chayang Tajo HQ	Oilseeds (Rapeseed, Mustard, Sesamum and other local oilseed crops)	1. Traditional mixed cropping system in jhum areas 2. Poor soil fertility 3. Lack of knowhow about soil fertility management 4. Poor yield of local varieties 5. Heavy infestation of pest and disease 6. Lack of Knowhow about use of irrigation facilities 7. Lack of Knowhow about management of weed infestation 8. High acidity of soil	Scientific cropping system     Improved varietal intervention     Scientific crop production technology     Adoption of INM, IPM and IWM technology     Soil amelioration

04	Seppa, Richukhorong Chayang Tajo	Seppa, Bana Chayang Tajo	Pampoli, Jayanti, Fengche, Mebua, Pabua, Lumdung, Wessang, Bana camp village, Richukhrong, and Chayang Tajo HQ	Pulses (Arhar and other local pulse crops)	1. Traditional mixed cropping system in jhum areas 2. Poor soil fertility 3. Lack of knowhow about soil fertility management 4. Poor yield of local varieties 5. Heavy infestation of pest and disease 6. Lack of Knowhow about use of irrigation facilities 7. Lack of Knowhow about management of weed infestation 8. High acidity of soil	Scientific cropping system     Improved varietal intervention     Scientific crop production technology     Adoption of INM, IPM and IWM technology     Soil amelioration
05	Seppa, Richukhorong Chayang Tajo	Seppa, Bana Chayang Tajo	Pampoli, Jayanti, Fengche, Mebua, Pabua, Lumdung, Wessang, Bana camp village, Richukhrong HQ, and Chayang Tajo HQ	Vegetables	1. Traditional mixed cropping system in jhum areas 2. Poor soil fertility 3. Lack of knowhow about soil fertility management 4. Poor yield of local varieties 5. Heavy infestation of pest and disease 6. Lack of Knowhow about use of irrigation facilities 7. Lack of Knowhow about management of weed infestation	Scientific cropping system     Improved varietal intervention     Scientific crop production technology     Adoption of INM, IPM and IWM technology     Soil amelioration
06	Seppa, Richukhorong Chayang Tajo	Seppa, Bana Chayang Tajo	Pampoli, Jayanti, Fengche, Mebua, Pabua, Lumdung, Wessang, Bana camp village, Richukhrong HQ, Wangsy, and Chayang Tajo HQ	Spices (ginger and other local spices)	1. Traditional mixed cropping system in jhum areas 2. Poor soil fertility 3. Lack of knowhow about soil fertility management 4. Poor yield of local varieties 5. Heavy infestation of pest and disease 6. Lack of Knowhow about use of irrigation facilities 7. Lack of Knowhow about management of weed infestation	Scientific cropping system     Improved varietal intervention     Scientific crop production technology     Adoption of INM, IPM and IWM technology     Soil amelioration

07	Seppa, Richukhorong Chayang Tajo	Seppa, Bana Chayang Tajo	Pampoli, Jayanti, Fengche, Mebua, Pabua, Lumdung, Wessang, Bana camp village, Richukhrong HQ, and Chayang Tajo HQ	Fruits (Orange, pear, peach, pineapple and banana)	1. Traditional mixed cropping system in jhum areas 2. Poor soil fertility 3. Lack of knowhow about soil fertility management 4. Poor yield of local varieties 5. Heavy infestation of pest and disease 6. Lack of Knowhow about use of irrigation facilities 7. Lack of Knowhow about management of weed infestation 8. High acidity of soil	Scientific cropping system     Improved varietal intervention     Scientific crop production technology     Adoption of INM, IPM and IWM technology     Soil amelioration
08	Seppa, Richukhorong Chayang Tajo	Seppa, Bana Chayang Tajo	Pampoli, Jayanti, Fengche, Mebua, Pabua, Lumdung, Wessang, Mangkhya, Bana camp village, Richukhrong HQ, Watte, Wangsy, Chayang Tajo HQ and Sawa HQ	Poultry, Pig, Cattle and Goat	1.Traditional rearing system     2. Poor feeding     3. Use of local low productive breeds     4. Severe disease attack	Scientific production technology     Improved breed introduction     Feed management     Disease management
09	Seppa, Richukhorong Chayang Tajo	Seppa, Bana Chayang Tajo	Pampoli, Jayanti, Fengche, Mebua, Lumdung, Bana camp village, Richukhrong HQ, and Chayang Tajo HQ	Fisheries	1. Traditional fish farming system 2. Low fish production 3. Unavailability fish seeds 4. Disease infestation 5. Lack of knowledge of use of fish feed 6. Unavailability of fish feed	Adoption of Integrated farming system     Composite fish farming system     Improvement of water quality     Feed management     Disease management     Renovation of old pond

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

Rank	Thrust area
1.	Adoption of modern improved technology for increasing production and productivity of field crops and horticultural crops.
2.	Introducing different cropping system.
3.	Varietals intervention of field's crops and horticultural crops.
4.	Area expansion of crops in different topographical situation.
5.	Introduction and popularization of different commercial vegetables crops.
6.	Adoption of INM, IPM and IWM in major field and horticultural crops.
7.	Conservation of soil and water through natural resource management during the lean period.
8.	Motivation and phase wise conversion of Jhum/Shifting cultivation to Terrace/Settled cultivation.
9.	Cultivation of high demanding spice crops e.g. Improve variety of Ginger.
10.	Popularization of integrated farming system.
11.	Establishment and introducing fish seeds production units.
12.	Popularization of composite fish farming.
13.	Initiation of waste management e.g. house hold, livestock etc.
14.	Promotion of poultry production.
15.	Disease management of poultry and livestock's.
16.	Formation and promotion of CIGs / SHGs /FOs.

PART – II (OFT AND FLD)

## 2. Technical activities proposed

Abstract of interventions to be undertaken during 2009-10 (Target)

				,		Interventions (if	f any)		
No	Thrust area	Crop/ Enterprise	Identified Problem	Title of OFT	Title of FLD	Title of Training	Title of training for extension personnel	Extension activities	Supply of seeds, planting materials
01.	Varietals intervention	Mustard Var. M- 27, TS-36, TS-38	Low yield of undescript variety	Scientific Cultivation important of Mustard	NA	Cultivation of Mustard under life saving irrigation condition	NA	Field day Field visit	Seeds     Fertilizers     Insecticide and pesticide
02.	Varietals intervention	Sali paddy Var. Keteki joha	Low yield of undescript variety of scented rice	Scented rice cultivation	NA	Scented rice cultivation	NA	Field visit	Seeds     Fertilizers     Insecticide and pesticide
03.	Varietals intervention	Maize Var. HQPM – 5 and HQPM - 7	Low yield of undescript variety	Scientific cultivation of Quality Protein Maize	NA	Scientific cultivation of Quality Protein Maize	NA	Field visit	1. Seeds 2. Fertilizers 3. Insecticide and pesticide
04.	Weed management and moisture conservation	Pineapple var. Kew	Weed infestation, poor fruit size, weight and yield	Mulching in pineapple	NA	Mulching in pineapple	NA	Field day Field visit	Mulching materials     Insecticide and pesticide
05.	Scientific cultivation	Banana Var. Dwarf Cavendish	Low yield due to unsystematic planting.	High density planting of Banana	NA	High density planting of Banana	NA	Field visit	Planting materials     Fertilizers     Insecticide and pesticide
06.	Composite fish culture	Spawn of IMC and EMC like Silver carp, Common carp and Grass carp	Low fish production	Assessment of performance of composite fish culture	NA	composite fish culture	NA	Field visit	Fish seed     Fertilizers     Insecticide and weedicide     Feeds
07.	Nursery management techniques	Spawn of IMC and EMC like Silver carp, Common carp and Grass carp	% of survivality of Carp seeds is low	Carp seed rearing in nursery pond	NA	Carp seed rearing in nursery pond	NA	Field visit	Fish seed     Fertilizers     Insecticide and weedicide     Feeds

08.	Disease management	Piggery	Swine fever	Vaccination against swine fever	NA	Vaccination against swine fever	NA	Field visit	Lapinised swine fever vaccine     Alternated tissue culture vaccine
09.	Disease management	Poultry	Ranikhet disease	Vaccination against Ranikhet disease	NA	Vaccination against Ranikhet disease	NA	Field visit	1.Vacciine F <sub>1</sub> and R <sub>2</sub> B 2.Lasota
10	Disease management	Poultry	Coccidiosis	Control of Coccidiosis	NA	Control of Coccidiosis	NA	Field visit	1.Amprolium powder

#### Notes (to be strictly followed in formulation of OFTs):

Technology Assessment refers to any technology (preferably new) going for assessment through OFT for the first time in a micro location.

Technology Refinement refers to an already assessed technology getting refined through OFT to suit micro location needs for later demonstration.

If any OFT is proposed for refinement, kindly mention whether the technology was assessed earlier or not. If not, provide reasons.

Technologies older than 5 years have to be preferably avoided for OFTs.

#### Examples:

Technology selected for assessment (and/or) refinement (Ex: Rice Var: XXXXXX)

Source of technology with year of release (Ex: ICAR RC NEH, Barapani, 2007)

Production system and thematic area (Ex: Crop production & Weed management)

Performance indicators of the technology (Ex: Yield, Shelf life etc)

# Details of On Farm Trials be undertaken during 2009-10 (Target)

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	Assessment/ Refinement (WRITE A / R)	No. of trials*
1	2	3	4	5	6
Mustard Var. M- 27, TS-36, TS-38	Local	Low yield of undescript variety	Scientific Cultivation important of Mustard	А	1(6)
Sali paddy Var. Keteki joha	Local	Low yield of undescript variety	Scented rice cultivation	А	1(5)
QPM Maize Var. HQPM – 5 and HQPM - 7	Local	Low yield of undescript variety	Scientific cultivation of Quality Protein Maize	А	1(6)
Pineapple var. Kew	No Mulching	Weed infestation, poor fruit size, weight and yield	Mulching in pineapple	А	1(3)
Banana Var. Dwarf Cavendish	Local	Low yield due to unsystematic planting.	High density planting of Banana	А	1(5)
IMC and EMC like Silver carp, Common carp and Grass carp	No scientific cultivation	Low fish production	Assessment of performance of composite fish culture	А	1(3)
IMC and EMC like Silver carp, Common carp and Grass carp	No scientific cultivation	% of survivality of Carp seeds is low	Carp seed rearing in nursery pond	А	1(3)
Piggery	No vaccination	Swine fever	Vaccination against swine fever	А	1(5)
Poultry	No vaccination	Ranikhet disease	Vaccination against Ranikhet disease	А	1(5)
Poultry	No vaccination	Coccidiosis	Control of Coccidiosis	Α	1(5)

<sup>\*</sup> No. of farmers

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
A	Under pipeline	Yes		Grain yield     Farmers reaction
A	2007	Yes		<ol> <li>Date of sowing and transplanting</li> <li>Days to 50% flowering</li> <li>Plant height</li> <li>No of ear bearing tillers/m<sup>2</sup></li> <li>Grain/panicle</li> <li>Pest and disease infestation</li> <li>Farmers reaction</li> </ol>
A	2008	Yes		<ol> <li>Plant height</li> <li>Cob length</li> <li>No. of cobs/plant</li> <li>No. of grains/cob</li> <li>Test weight</li> <li>Farmers reaction</li> </ol>
A	2004	Yes		Yield     Fruit wt.     Quality parameters
A	2005	Yes		Yield     Bunch wt     Total no of hands and fingers/ bunch     Sucker production
Α	2006	Yes		1.Fish Production (kg/ha/Yr)
А	2002	No	No existence of Carp seed rearing practices in the district	1.Fish Fry Survivality (kg/ha/Yr)
Α	2007	Yes		1.Disease incidence after vaccination
Α	2008	Yes		1.Disease incidence after vaccination
Α	2008	Yes		1.Disease incidence after vaccination

<sup>• =</sup> The technology should be less than 5 years old.

#### **Frontline Demonstrations**

Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2008-09 and recommended for large scale adoption in the district

		Technology	Details of popularization methods	Horizontal spread of technology			
No	Thematic Area*	demonstrated	suggested to the Extension system	No. of villages	No. of farmers	Area in ha	
01.	NA						

<sup>\*</sup> Thematic areas as given in Table on Training

Details of FLDs to be implemented during 2009-10 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

#### Notes (to be strictly followed in formulation of FLDs):

FLDs are conducted only on proven technologies.

FLDs are conducted on previously assessed/refined technologies which are found suitable for the KVK district. Only latest technologies have to be selected for FLDs (Preferably less than 5 years old).

**Examples:** Same as in case of OFTs

A. Cereal Crops

					Whether the	If not, how the	Area (ha)	No. of farmers/demonstration		
No.	Crop	Thematic area	Technology Demonstrated	Season and year	technology assessed/refined by	technology was proven as suitable for FLD in	Proposed	SC/ST	Others	Total
					KVK earlier (Y/N)?	the district?				
01.	Paddy	Scientific cultivation	Scientific cultivation of Sali paddy	Sali season, 2010	N	Traditional rice cultivation area	2 ha	10	NA	10

B. Oilseed crops

					Whether the	If not, how the	Area (ha)	No. of fa	rmers/demo	nstration
No.	Crop	Thematic area	Technology Demonstrated	Season and year	technology assessed/refined by	technology was proven as suitable for	Proposed	SC/ST	Others	Total
		aica	Demonstrated	yeai	KVK earlier (Y/N)?	FLD in the district?				
					KVK earlier (1/N):	FLD III tile district:				

C. Pulse Crops

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

D. Horticultural Crops

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

Extension and Training activities proposed under FLD

No.	Activity	No. of activities	Tentative Date	Number of participants	Remarks

(i) Farm Implements:

					Whether the	If not, how the	Area (ha)	No. of fa	rmers/demo	nstration
No.	Crop	Thematic	Name of the	Season and	technology	technology was	Proposed	SC/ST	Others	Total
1101	Стор	area	implement	year	assessed/refined by	proven as suitable for				
					KVK earlier (Y/N)?	the district?				

(ii) Livestock Enterprises:

Enterprises	Breed	No. of farmers	No. of animals, poultry birds etc.	Performance parameters / indicators	* Data on paramet to technology de Demon.	% change in the parameter	Remarks

<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 /	Data on par relation to te demons	chnology	% change in the	Remarks
		lamers	Omis	indicators	Demon.	Local check	parameter	
Mushroom								
Apiary								
Sericulture								
Vermi-compost								

PART – III

(TRAINING PROGRAMMES)

3. Details of proposed training programmes (Including the sponsored and FLD training programmes

Note: The proportion of SC and ST participants for all training programmes should match with their proportion in the population of the KVK district.

## On Campus

						No. o	f partici	oants				
Thematic area	Courses		Others			SC			ST			
	(No)	Male	Female	Total	Male	Female	Total	Male	Female	Total	Grand Total	
(A) Farmers & Farm Women												
I Crop Production												
Weed Management												
Nutrient Management												
Resource Conservation Technologies												
Cropping Systems	01	NA	NA	NA	NA	NA	NA	15	5	20	20	
Crop Diversification												
Integrated Farming systems												
Water management	01	NA	NA	NA	NA	NA	NA	15	5	20	20	
Seed production												
Nursery management												
Integrated Crop Management												
Fodder production												
Production of organic inputs												
Il Horticulture												
a) Vegetable Crops												
Production of low volume and high value crops												
Off-season vegetables	01	NA	NA	NA	NA	NA	NA	10	10	20	20	
Nursery raising	01	NA	NA	NA	NA	NA	NA	10	10	20	20	
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												
Cultivation of Fruit crops												
Management of young plants/orchards												
Rejuvenation of old orchards												
Cultivation of export potential fruits											·	
Micro irrigation systems of orchards												
Plant propagation techniques	02	NA	NA	NA	NA	NA	NA	20	20	40	40	
c) Ornamental Plants												
Nursery Management												
Management of potted plants	01	NA	NA	NA	NA	NA	NA	5	15	20	20	

Draduction of expert notestial erromental plants			1	1	1					1	
Production of export potential ornamental plants		-									<del></del>
Propagation techniques of Ornamental Plants											
d) Plantation crops		_									
Production and Management technology			111						4-		
Processing and value addition	01	NA	NA	NA	NA	NA	NA	5	15	20	20
e) Tuber crops											<u> </u>
Production and Management technology											
Processing and value addition											
f) Spices											
Production and Management technology											
Processing and value addition											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
III Soil Health and Fertility Management					1						
Soil fertility management											
Soil and Water Conservation											
Integrated Nutrient Management											
Production and use of organic inputs											
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Soil and Water Testing											
IV Livestock Production and Management											
Dairy Management											
Poultry Management	01	NA	NA	NA	NA	NA	NA	15	5	20	20
Piggery Management	01	NA	NA	NA	NA	NA	NA	15	5	20	20
Rabbit Management											
Disease Management	01	NA	NA	NA	NA	NA	NA	15	5	20	20
Feed management											
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											
			1	1	1					1	<u> </u>

Installation and maintenance of micro irrigation systems												
Production of small tools and implements	Installation and maintenance of micro irrigation systems											
Repair and maintenance of farm machinery and implements  Post Harvest Technologies  VII Plant Protection  Integrated Pest Management  Disease Mana	Use of Plastics in farming practices											
Small scale processing and value addition Post Harvest Technologies VI Plant Protection Integrated Pest Management Disease D												
Post Harvest Technologies												
Integrated Pest Management	Small scale processing and value addition											
Integrated Pest Management	Post Harvest Technologies											
Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming O1 NA NA NA NA NA NA NA 15 5 20 20 Carp breeding and hatchery management O2 NA	VII Plant Protection											
Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming O1 NA NA NA NA NA NA NA 15 5 20 20 Carp breeding and hatchery management O2 NA	Integrated Pest Management											
Production of bic control agents and bio pesticides	Disease Management											
VIII Fisheries	Bio-control of pests and diseases											
Integrated fish farming	Production of bio control agents and bio pesticides											
Carp five and nad hatchery management	VIII Fisheries											
Carp fry and fingerling rearing		01	NA	NA	NA	NA	NA	NA	15	5	20	20
Carp fry and fingerling rearing	Carp breeding and hatchery management											
Composite fish culture		01	NA	NA	NA	NA	NA	NA	15	5		
Breeding and culture of ornamental fishes  Portable plastic carp hatchery  Pen culture of fish and prawn  Shrimp farming  Edible oyster farming  Pear culture  Fish processing and value addition  IX Production of Inputs at site  Seed Production  Planting material production  Bio-agents production  Bio-gesticides production  Bio-gesticides production  Bio-gesticides production  Vermicompost production  Other Organic manures production  Other Organic manures production  Production of fiy and fingerlings  Production of Bee-colonies and wax sheets  Production of Bee-colonies and wax sheets  Production of Fish feed  X capacity Building and Group Dynamics  Leadership development in villages  Mobilization of social capital in villages  Interpreneural development of farmers/youths  Interpreneural devel	Composite fish culture	01	NA	NA	NA	NA	NA	NA	15	5	20	20
Portable plastic carp hatchery Pen culture of fish and prawn Shrimp farming Edible oyster farming Edible oyster farming Edible oyster farming Fearl culture Fish processing and value addition IX Production of Inputs at site Seed Production Flanting material production Bio-agents production Bio-agents production Bio-pesticides production Bio-pesticides production Froduction of Inputs at site Forduction Froduction Froduction Froduction Froduction Froduction Froduction Froduction of Inputs at site Forduction	Hatchery management and culture of freshwater prawn											
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-pesticides production Bio-filizer production Cyernicompost production Cyernicompost production Cyernicompost production Cyernicompost production Froduction of fry and fingerlings Forduction of fry and fingerlings Forduction of insh feed  X Capacity Building and Group Dynamics Leadership development in villages Formation and Management of SHGS Mobilization of Social capital in villages Entrepreneurial development of farmers/youths	Breeding and culture of ornamental fishes											
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-pesticides production Bio-filizer production Cyernicompost production Cyernicompost production Cyernicompost production Cyernicompost production Froduction of fry and fingerlings Forduction of fry and fingerlings Forduction of insh feed  X Capacity Building and Group Dynamics Leadership development in villages Formation and Management of SHGS Mobilization of Social capital in villages Entrepreneurial development of farmers/youths	Portable plastic carp hatchery											
Edible oyster farming Pearl culture Pearl culture Pearl culture Pish processing and value addition IX Production of Inputs at site Seed Production Planting material production Bio-agents production Bio-pesticides production Bio-fertilizer production Bi												
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-pesticides production Bio-fertilizer production Bio-fertilizer production Other Organic manures production Other Organic manures production Froduction of fry and fingerlings Production of Bee-colonies and wax sheets Small tools and implements Small tools and implements Froduction of Fish feed X Capacity Building and Group Dynamics Leadership development in villages Managing Group dynamics Formation and Management of SHGs Mobilization of social capital in villages Entrepreneurial development of farmers/youths	Shrimp farming											
Fish processing and value addition  IX Production of Inputs at site  Seed Production  Planting material production  Bio-agents production  Bio-pesticides production  Bio-pesticides production  Bio-pesticides production  Bio-fertilizer production  Other Organic manures production  Production of fry and fingerlings  Production of five 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  O1 NA NA NA NA NA NA NA 10 10 20 20  Mobilization of social capital in villages  Entrepreneurial development of farmers/youths	Edible oyster farming											
IX Production of Inputs at site  Seed Production Planting material production Bio-agents production Bio-pesticides production Bio-pesticides production Bio-fitilizer production Bio-fitilizer production Vermicompost production Vermicompost production 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 D1 NA NA NA NA NA NA NA NA NA 10 10 20 20 Mobilization of social capital in villages Entrepreneurial development of farmers/youths	Pearl culture											
Seed Production Planting material production Bio-agents production Bio-pesticides production Bio-pesticides production Bio-pesticides production Bio-fertilizer production Vermicompost production Vermicompost production Other Organic manures production Production of fiy and fingerlings Production of Bee-colonies and wax sheets Small tools and implements Production of Fish feed Production of Fish feed A Capacity Building and Group Dynamics Leadership development in villages Managing Group dynamics Formation and Management of SHGs O1 NA NA NA NA NA NA NA NA 10 10 20 20 Mobilization of social capital in villages Entrepreneurial development of farmers/youths	Fish processing and value addition											
Planting material production Bio-agents production Bio-pesticides production Bio-pesticides production Bio-fertilizer production Vermicompost production Other Organic manures production Production of fiyand fingerlings Production of Bee-colonies and wax sheets Small tools and implements Production of Fish feed Va Capacity Building and Group Dynamics Leadership development in villages Managing Group dynamics Formation and Management of SHGs Not	IX Production of Inputs at site											
Bio-agents production Bio-pesticides production Bio-fertilizer production Vermicompost production Vermicompost production 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 O1 NA NA NA NA NA NA NA NA 10 10 20 20 Entrepreneurial development of farmers/youths	Seed Production											
Bio-pesticides production Bio-fertilizer production Vermicompost production Other Organic manures production Production of fry and fingerlings Production of Bee-colonies and wax sheets Small tools and implements Production of Fish feed X Capacity Building and Group Dynamics Leadership development in villages Managing Group dynamics Formation and Management of SHGs Mobilization of social capital in villages Entrepreneurial development of farmers/youths	Planting material production											
Bio-fertilizer production Vermicompost production 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 O1 NA NA NA NA NA NA NA 10 10 20 20 Entrepreneurial development of farmers/youths	Bio-agents production											
Vermicompost production 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 O1 NA NA NA NA NA NA NA 10 10 20 20 Mobilization of social capital in villages Entrepreneurial development of farmers/youths	Bio-pesticides production											
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 Formation and Management of SHGs O1 NA NA NA NA NA NA NA 10 10 20 20 Mobilization of social capital in villages Entrepreneurial development of farmers/youths	Bio-fertilizer 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 O1 NA NA NA NA NA NA NA NA 10 10 20 20 Mobilization of social capital in villages Entrepreneurial development of farmers/youths	Vermicompost production											
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  O1 NA NA NA NA NA NA NA 10 10 20 20  Mobilization of social capital in villages  Entrepreneurial development of farmers/youths												
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 O1 NA NA NA NA NA NA NA NA 10 10 20 20 Mobilization of social capital in villages Entrepreneurial development of farmers/youths	Production of fry and fingerlings											
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 O1 NA NA NA NA NA NA NA 10 10 20 20 Mobilization of social capital in villages Entrepreneurial development of farmers/youths	Production of Bee-colonies and wax sheets											
Production of Fish feed  X Capacity Building and Group Dynamics  Leadership development in villages  Managing Group dynamics  Formation and Management of SHGs  01 NA NA NA NA NA NA NA 10 10 20 20  Mobilization of social capital in villages  Entrepreneurial development of farmers/youths	Small tools and implements											
X Capacity Building and Group Dynamics  Leadership development in villages  Managing Group dynamics  Formation and Management of SHGs  01 NA NA NA NA NA NA NA 10 10 20 20  Mobilization of social capital in villages  Entrepreneurial development of farmers/youths	Production of livestock feed and fodder											
Leadership development in villages  Managing Group dynamics  Formation and Management of SHGs  01 NA NA NA NA NA NA NA 10 10 20 20  Mobilization of social capital in villages  Entrepreneurial development of farmers/youths	Production of Fish feed											
Leadership development in villages  Managing Group dynamics  Formation and Management of SHGs  01 NA NA NA NA NA NA NA 10 10 20 20  Mobilization of social capital in villages  Entrepreneurial development of farmers/youths												
Formation and Management of SHGs 01 NA NA NA NA NA NA 10 10 20 20  Mobilization of social capital in villages												
Formation and Management of SHGs 01 NA NA NA NA NA NA 10 10 20 20  Mobilization of social capital in villages												
Mobilization of social capital in villages  Entrepreneurial development of farmers/youths		01	NA	NA	NA	NA	NA	NA	10	10	20	20
Entrepreneurial development of farmers/youths												
	Entrepreneurial development of farmers/youths											
	WTO and IPR issues											

XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (Pl. Specify)											
TOTAL	15	NA	NA	NA	NA	NA	NA	180	120	300	300
(B) RURAL YOUTH											
Mushroom Production	01	NA	NA	NA	NA	NA	NA	8	7	15	15
Bee-keeping											
Integrated farming											
Seed production											
Production of organic inputs											
Integrated Farming											
Planting material production											
Vermiculture											
Sericulture											
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											
Production of quality animal products											
Dairying	01	NA	NA	NA	NA	NA	NA	10	5	15	15
Sheep and goat rearing											
Quail farming											
Piggery	01	NA	NA	NA	NA	NA	NA	10	5	15	15
Rabbit farming											
Poultry production	01	NA	NA	NA	NA	NA	NA	10	10	20	20
Ornamental fisheries	01	NA	NA	NA	NA	NA	NA	8	7	15	15
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											
Tailoring and Stitching											
Rural Crafts											
TOTAL	05	NA	NA	NA	NA	NA	NA	46	34	80	80
(C) Extension Personnel											
Productivity enhancement in field crops	01	NA	NA	NA	NA	NA	NA	15	5	20	20
Integrated Pest Management											
Integrated Nutrient management											

Rejuvenation of old orchards	01	NA	NA	NA	NA	NA	NA	15	5	20	20
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											
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) Composite fish culture in East Kameng	01	NA	NA	NA	NA	NA	NA	15	5	20	20
TOTAL	03	NA	NA	NA	NA	NA	NA	45	15	60	60

## Off Campus

	Courses					No. of	participa	ants			
Thematic area	(No)		Others			SC			ST		Grand Total
	(NO)	Male	Female	Total	Male	Female	Total	Male	Female	Total	Grand Total
(A) Farmers & Farm Women											
I Crop Production											
Weed Management											
Nutrient Management											
Resource Conservation Technologies											
Cropping Systems	01	NA	NA	NA	NA	NA	NA	15	10	25	25
Crop Diversification	02	NA	NA	NA	NA	NA	NA	30	20	50	50
Integrated Farming systems	03	NA	NA	NA	NA	NA	NA	45	30	75	75
Water management											
Seed production											
Nursery management											
Integrated Crop Management											
Fodder production											
Production of organic inputs											<u> </u>
II Horticulture											
a) Vegetable Crops											
Production of low volume and high value crops											
Off-season vegetables	01	NA	NA	NA	NA	NA	NA	10	15	25	25
Nursery raising	01	NA	NA	NA	NA	NA	NA	10	15	25	25
Exotic vegetables production											
Production of export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses, Shade Net etc.)											

b) Fruits											
Training	01	NA	NA	NA	NA	NA	NA	10	10	20	20
Pruning	01	NA.	NA	NA	NA	NA	NA	10	10	20	20
Layout and Management of Orchards	01	NA	NA	NA	NA	NA	NA	10	10	20	20
Cultivation of Fruit crops	01	NA.	NA	NA	NA	NA	NA	10	10	20	20
Management of young plants/orchards	01	NA.	NA	NA	NA	NA	NA	10	10	20	20
Rejuvenation of old orchards	01	NA.	NA	NA	NA	NA	NA	10	10	20	20
Cultivation of export potential fruits	01	14/ (	14/1	14/1	14/1	1471	14/ (	10	10	20	20
Micro irrigation systems of orchards											
Plant propagation techniques	01	NA	NA	NA	NA	NA	NA	10	10	20	20
c) Ornamental Plants	01	14/ (	14/ (	14/1	14/1	1471	14/ \	- 10	10		20
Nursery Management											
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	01	NA	NA	NA	NA	NA	NA	10	15	25	25
e) Tuber crops											
Production and Management technology											
Processing and value addition											
f) Spices											
Production and Management technology	01	NA	NA	NA	NA	NA	NA	5	15	20	20
Processing and value addition											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
III Soil Health and Fertility Management											
Soil fertility management											
Soil and Water Conservation	01	NA	NA	NA	NA	NA	NA	15	10	25	25
Integrated Nutrient Management	01	NA	NA	NA	NA	NA	NA	10	10	20	20
Production and use of organic inputs											
Management of Problematic soils											
Micro nutrient deficiency in crops	02	NA	NA	NA	NA	NA	NA	20	20	40	40
Nutrient Use Efficiency											
Soil and Water Testing											
IV Livestock Production and Management											
Dairy Management											
Poultry Management	02	NA	NA	NA	NA	NA	NA	30	30	60	60
Piggery Management	02	NA	NA	NA	NA	NA	NA	30	30	60	60
Rabbit Management											
Disease Management	04	NA	NA	NA	NA	NA	NA	60	60	120	120
Feed management											
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	01	NA	NA	NA	NA	NA	NA	15	15	30	30
Disease Management	01	NA	NA	NA	NA	NA	NA	15	15	30	30
Bio-control of pests and diseases											
Production of bio control agents and bio pesticides											
VIII Fisheries											
Integrated fish farming	03	NA	NA	NA	NA	NA	NA	60	30	90	90
Carp breeding and hatchery management											
Carp fry and fingerling rearing	02	NA	NA	NA	NA	NA	NA	40	20	60	60
Composite fish culture	02	NA	NA	NA	NA	NA	NA	20	20	40	40
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											

Other Organia manures production	02	NA	NA	NA	l NA	NΙΛ	NA	20	20	40	40
Other Organic manures production	02	INA	INA	INA	INA	NA	INA	20	20	40	40
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets										1 1	
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	01	NA	NA	NA	NA	NA	NA	10	10	20	20
Mobilization of social capital in villages											
Entrepreneurial development of farmers/youths	01	NA	NA	NA	NA	NA	NA	10	10	20	20
WTO and IPR issues											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (PI. Specify)											
TOTAL	42	NA	NA	NA	NA	NA	NA	555	490	1045	1045
(B) RURAL YOUTH											
Mushroom Production	01	NA	NA	NA	NA	NA	NA	10	10	20	20
Bee-keeping											
Integrated farming											
Seed production											
Production of organic inputs											
Integrated Farming											
Planting material production											
Vermiculture											
Sericulture											
Protected cultivation of vegetable crops											
Commercial fruit production											
Repair and maintenance of farm machinery and implements											
Nursery Management of Horticulture crops	01	NA	NA	NA	NA	NA	NA	10	10	20	20
Training and pruning of orchards											
Value addition											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming					1		1				
Piggery											
Rabbit farming											
Poultry production	01	NA	NA	NA	NA	NA	NA	10	10	20	20
Ornamental fisheries	01	NA.	NA	NA	NA	NA	NA	10	10	20	20
Training as Para vets	<u> </u>	1,7,	1473	1,7,1	1,7,	147.	1,7,				
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											
Tailoring and Stitching											
Rural Crafts											
TOTAL	04	NA	NA	NA	NA	NA	NA	40	40	80	80
(C) Extension Personnel											
Productivity enhancement in field crops											
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
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											
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											

Consolidated table (On + Off + Sponsored + Vocational)

у также такж	Courses	No. of participants											
Thematic area	(No)		Others		SC			ST			Grand Total		
	(140)	Male	Female	Total	Male	Female	Total	Male	Female	Total	Granu Total		
(A) Farmers & Farm Women													
I Crop Production													
Weed Management													
Nutrient Management													
Resource Conservation Technologies													
Cropping Systems	02	NA	NA	NA	NA	NA	NA	30	15	45	45		
Crop Diversification	02	NA	NA	NA	NA	NA	NA	30	20	50	50		
Integrated Farming systems	03	NA	NA	NA	NA	NA	NA	45	30	75	75		
Water management	01	NA	NA	NA	NA	NA	NA	15	5	20	20		
Seed production													
Nursery management										•			
Integrated Crop Management										•			

Fodder production											
Production of organic inputs											
Il Horticulture											
a) Vegetable Crops											
Production of low volume and high value crops					-						
Off-season vegetables	02	NA	NA	NA	NA	NA	NA	20	25	45	45
Nursery raising	02	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	20	25	45	45
Exotic vegetables production	02	INA	INA	INA	INA	INA	INA	20	23	45	45
Production of export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses, Shade Net etc.)											
b) Fruits											
Training	01	NA	NA	NA	NA	NA	NA	10	10	20	20
Pruning	01	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	10	10	20	20
Layout and Management of Orchards	01	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	10	10	20	20
Cultivation of Fruit crops	01	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	10	10	20	20
Management of young plants/orchards	01	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	10	10	20	20
Rejuvenation of old orchards	01	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	15	10	25	20 25
Cultivation of export potential fruits	01	INA	INA	INA	INA	INA	INA	15	10	25	25
Micro irrigation systems of orchards											
Plant propagation techniques	03	NA	NA	NA	NA	NA	NA	30	30	60	60
c) Ornamental Plants	03	INA	INA	INA	INA	INA	INA	30	30	00	00
Nursery Management											
Management of potted plants	01	NA	NA	NA	NA	NA	NA	5	15	20	20
Production of export potential ornamental plants	01	INA	INA	INA	INA	INA	INA	3	10	20	20
Propagation techniques of Ornamental Plants											
d) Plantation crops											
Production and Management technology											
Processing and value addition	02	NA	NA	NA	NA	NA	NA	15	30	45	45
e) Tuber crops	02	INA	INA	INA	INA	INA	INA	10	30	45	40
Production and Management technology											
Processing and value addition											
f) Spices											
Production and Management technology	01	NA	NA	NA	NA	NA	NA	5	15	20	20
Processing and value addition	01	11/7	IVA	INA	INA	INA	11/7		10	20	20
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition					1						
III Soil Health and Fertility Management					+						
Soil fertility management					+						
Soil and Water Conservation	01	NA	NA	NA	NA	NA	NA	15	10	25	25
Integrated Nutrient Management	01	NA	NA NA	NA	NA	NA NA	NA	10	10	20	20
Production and use of organic inputs	01				1171	14/1	14/1	.0			
Management of Problematic soils					1						
Micro nutrient deficiency in crops	02	NA	NA	NA	NA	NA	NA	20	20	40	40
Wild Tradition deficiency in Grops	02	11/7	14/7	11/7	1 1/7	1 1/7	1 1/7	20		TU	70

Nutrient Use Efficiency											
Soil and Water Testing				†						1	
IV Livestock Production and Management											
Dairy Management											
Poultry Management	03	NA	NA	NA	NA	NA	NA	45	35	80	80
Piggery Management	03	NA	NA	NA	NA	NA	NA	45	35	80	80
Rabbit Management				1							
Disease Management	05	NA	NA	NA	NA	NA	NA	75	65	140	140
Feed management											-
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				İ							
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	01	NA	NA	NA	NA	NA	NA	15	15	30	30
Disease Management	01	NA	NA	NA	NA	NA	NA	15	15	30	30
Bio-control of pests and diseases											
Production of bio control agents and bio pesticides											
VIII Fisheries											
Integrated fish farming	04	NA	NA	NA	NA	NA	NA	75	35	110	110
Carp breeding and hatchery management											
Carp fry and fingerling rearing	03	NA	NA	NA	NA	NA	NA	55	25	80	80
Composite fish culture	03	NA	NA	NA	NA	NA	NA	35	25	60	60
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	1				1	1	I				
Pearl culture				1							
Fish processing and value addition											
IX Production of Inputs at site				1							
-											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermicompost production											
Other Organic manures production	02	NA	NA	NA	NA	NA	NA	20	20	40	40
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	02	NA	NA	NA	NA	NA	NA	20	20	20	20
Mobilization of social capital in villages											
Entrepreneurial development of farmers/youths	01	NA	NA	NA	NA	NA	NA	10	10	10	10
WTO and IPR issues											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (Pl. Specify)											
TOTAL	57	NA	NA	NA	NA	NA	NA	735	610	1345	1345
(B) RURAL YOUTH	-										19.19
Mushroom Production	03	NA	NA	NA	NA	NA	NA	26	24	50	50
Bee-keeping											
Integrated farming											
Seed production											
Production of organic inputs											
Integrated Farming		1		1	1						
Planting material production		1		1	1						
Vermiculture		1		1	1						
Sericulture		1		1	†		1				
Protected cultivation of vegetable crops				<b>†</b>	1						
Commercial fruit production				<u> </u>	1						
Repair and maintenance of farm machinery and implements				1							
Nursery Management of Horticulture crops	01	NA	NA	NA	NA	NA	NA	10	10	20	20
Training and pruning of orchards	<u> </u>	T		T	<u> </u>		<b> </b>				
Value addition	01	NA	NA	NA	NA	NA	NA	5	10	15	15
raido addition	01	1 1/ 1	1471	1 1/ 1	1 17/1	14/1	11/1		10		10

Production of quality animal products											
Dairying	01	NA	NA	NA	NA	NA	NA	10	5	15	15
Sheep and goat rearing											
Quail farming											
Piggery	01	NA	NA	NA	NA	NA	NA	10	5	15	15
Rabbit farming											
Poultry production	03	NA	NA	NA	NA	NA	NA	28	27	55	55
Ornamental fisheries	03	NA	NA	NA	NA	NA	NA	26	24	50	50
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											
Tailoring and Stitching											
Rural Crafts											
TOTAL	13	NA	NA	NA	NA	NA	NA	115	105	220	220
(C) Extension Personnel											
Productivity enhancement in field crops	01	NA	NA	NA	NA	NA	NA	15	5	20	20
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards	01	NA	NA	NA	NA	NA	NA	15	5	20	20
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											
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) Composite fish culture in EK	01	NA	NA	NA	NA	NA	NA	15	5	20	20
TOTAL	03	NA	NA	NA	NA	NA	NA	45	15	60	60

# Vocational training programmes for Rural Youth:

				No. of Participants			
Crop / Enterprise	Identified Thrust Area	entified Thrust Area Training title*		Male	Female	Total	
Mushroom	Scientific cultivation	0yester Mushroom cultivation technology	02	8	7	15	
Fruits	Processing technology	Preparation and preservation of jam and jelly	02	5	10	15	
Fisheries	Ornamentals fisheries	Aquarium construction and management	03	8	7	15	
Livestock	Poultry production	Scientific poultry production and its management	02	8	7	15	

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

# **Sponsored Training Programmes: NA**

					Client		No. of Participants										
No	Title	Thematic area	Mo nth	Duration (days)	PF/RY	No. of courses		Male		Female			Total				Sponsoring Agency
					/EF		Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1.																	
2.																	
3.																	
4.																	
5.																	
	Total																

PART – IV (EXTENSION ACTIVITES AND PRODUCTION OF SEED AND PLANTING MATERIALS)
4. Proposed Extension Activities for the year 2009 – 10 (including activities under FLD programmes)

Noture of Extension Activity	No. of activities		Farmers		Exte	Extension Officials			Rural Youth			Total		
Nature of Extension Activity	No. of activities	M	F	Т	M	F	Т	М	F	Т	M	F	T	
Field Day	11	110	55	165	22	22	44	55	33	88	187	110	297	
Kisan Mela														
Kisan Gosthi														
Exhibition	02										200	100	300	
Film Show														
Method Demonstrations	10	100	50								100	50	150	
Farmers Seminar													1	
Workshop													1	
Group meetings														
Lectures delivered as resource persons	20												-	
Newspaper coverage	10													
Radio talks														
TV talks														
Popular articles	10													
Extension Literature	10													
Advisory Services														
Scientific visit to farmers field	20													
Farmers visit to KVK	150										100	50	150	
Diagnostic visits													-	
Exposure visits	05										25	25	50	
Ex-trainees Sammelan	0													
Soil health Camp														
Animal Health Camp	02												+	
Agri mobile clinic														
Soil test campaigns														
Farm Science Club Conveners meet														
Self Help Group Conveners meetings													1	
Mahila Mandals Conveners meetings													1	
Celebration of important days (specify)													1	
Any Other (Specify)													1	
Total	255										612	334	946	

M=Male F=Female T=Total

# Proposed production and supply of Technological products

#### Seed materials:

SI. No.	Crop	Variety	Proposed Quantity (qtl.)	Value (Rs.)	To be provided to (No. of Farmers)
Cereals					
Oilseeds	Mustard	M-27/TS-36/TS-38	0.50	1250.00	12
Pulses					
Vegetables					
Flower Crops					
Others (Specify)					

Planting materials:

SI. No.	Crop	Variety	Quantity (Nos.)	Value (Rs.)	To be provided to (No. of Farmers)
Fruits					
Spices					
Vegetables					
Forest Species					
Ornamental Crops					
Plantation Crops					
Others (specify)					

# Bioproducts:

			Qua	ntity		To be provided to (No. of
SI. No.	Product Name	Species	No	(kg)	Value (Rs.)	to (No. of Farmers)
Bioagents						
1						
2						
3						
Biofertilizers						
1						
2						
3						
Bio Pesticides						
1						
2						
3						

## Livestock:

OL NI-	<b>T</b>	Donal	Qua	ntity	Value (De.)	To be associated to (No. of Formson)
SI. No.	Type	Breed	Nos	Kgs	Value (Rs.)	To be provided to (No. of Farmers)
Cattle						
Sheep and Goat						
Poultry						
Fisheries						
Others (Specify)						

#### Literature proposed to be developed/ published

Item	Title	Number
Research papers	-	-
Technical reports	Annual Action Plan, Annual Report and FLD report of Sali paddy	03
News letters	-	-
Technical bulletins		
Popular articles	System of rice intensification, High density planting of pineapple, Why should we eat fish, Composite fish culture in EK, Mushroom production, Vermicomposting, Integrated nutrient management in rice, Cucurbitaceous crops, Pot culture, Organic farming	10
Extension literature	News letter, Pamphlet	02
Others (Pl. specify)	KVK website	01
Total		16

#### **Details of Electronic Media proposed**

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

#### Field activities proposed

 i. Number of villages to be adopted
 ii. No. of farm families to be selected
 iii. No. of surveys/PRA to be conducted
 Proposed activities of Soil and Water Testing Laboratory:
 Status of establishment of Lab 20 20

: NA

Year of establishment 1.

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
District Agriculture Office, Seppa	Implementation of KVK activities
District Horticulture Office, Seppa	Implementation of KVK activities
District Fishery Development Office, Seppa	Implementation of KVK activities
District Veterinary Office, Seppa	Implementation of KVK activities
District Forest Office, Seppa	Implementation of KVK activities
DRDA, Seppa	Implementation of KVK activities
Assam Agricultural University, Jorhat and other Regional Research Stations of AAU	Implementation of KVK activities

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

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.)

#### Details of proposed linkage with ATMA

S. No.	Programme	Nature of linkage proposed

### 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)

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):

		Year of estt.			Proposed production			Amount (Rs.)		
No.	Demo Unit		Area	Variety	Produce	Qty.	Cost of inputs	Gross income expected		

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

Name	Expected Date of	Expected Date	g 👄	Pro	Amo	ınt (Rs.)		
Of the crop	sowing	of harvest	Area (ha)	Variety	Type of Produce	Qty.	Cost of inputs	Gross income expected
Cereals							·	·
Rice	15.06.2010	20.11.2010	3	Ranjit, Mahsuri, Keteki joha	Paddy and Straw	7.5 tones	35,000.00	45,000.00
Pulses								
Oilseeds								
Mustard	30.09.2009	30.12.2009	2	M- 27, TS-36, TS-38	Mustard	1.2 tones	10000.00	24,000.00
Fibers								
Spices								
Ginger	10.03.2010	10.02.2011	0.13	Nadia, Bhola	Ginger	2 tones	10000.00	24,000.00
Plantation crops								
Floriculture								
Fruits								
Pineapple	10.03.2010	30.08.2011	0.13	Kew, Queen	Fruits, crown and sucker	6000 no	25,000.00	60,000.00
Banana	10.04.2010	10.03.2011	0.13	Dwarf Cavendish	Fruits and sucker	400 bunches	20,000.00	40,000.00
Vegetables								
Others (Specify)								

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

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

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

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

PART – VII (SUMMARY)

# 7. Summary

Targets for 2009-10 for KVK.

On Farm Trials

Thematic areas	Cereals	Oilseeds	Pulses	Vegetables	Fruits	Total
Varietal intervention	02	01	NA	NA	NA	03
Scientific cultivation	NA	NA	NA	NA	02	01
Water and weed management	NA	NA	NA	NA	01	01
Fisheries	NA	NA	NA	NA	NA	02
Animal sciences	NA	NA	NA	NA	NA	03
Grand total						10

FLDs on oilseed and pulse crops.

Name of KVK	Oils	eeds	ses	
Nume of KVIK	Area (ha)	Area (ha) No. of farmers		No. of farmers
Total				

Training programmes

Area	Farmers/ farm women		Rural youth		Extension personnel	
Alea	Courses	Participants	Courses	Participants	Courses	Participants
Crop Production	08	190	NA	NA	01	20
Horticulture	17	360	02	35	01	20
Plant Protection	02	60	NA	NA	NA	NA
Home Science	NA	NA	NA	NA	NA	NA
Animal Science	11	300	05	85	NA	NA
Soil Science	04	85	NA	NA	NA	NA
Agril Engineering	NA	NA	NA	NA	NA	NA
Bee Keeping	NA	NA	NA	NA	NA	NA
Mushroom Cultivation	NA	NA	03	50	NA	NA
Agro forestry	NA	NA	NA	NA	NA	NA
Others i) Fishery	10	250	03	50	01	20
ii) Agri.Extension	02	60	NA	NA	NA	NA
iii) Production of input at site	02	40	NA	NA	NA	NA
iv) Capacity building	03	60	NA	NA	NA	NA
Total	59	1405	13	220	03	60

## **Extension Activities**

Activity	Nos
Field days	11
Kisan Mela	
Exhibition	02
Exposure visit	04
Extension literature	10
Scientist farmers' interaction	10
Ex-trainees meet	05
Advisory services	
Newspaper coverage	20
TV show	
Radio talk	
Others (Kisan Gosthi)	
Total	

Seed Production:

KVK	Quantity (qtl)					
	Cereals	Oilseeds	Pulses	Vegetables		
East Kameng		0.50				
Total		0.50				

Planting Materials :

KVK	Quantity (nos)					
KVK	Fruits	Vegetable Seedlings	Tree Species	Ornamental Plants		
Total						

Signature, Programme coordinator, KVK, East Kameng

(Signature not needed in case of soft copy)

Notes:

The modalities for submission are available in the website <a href="www.icarzcu3.gov.in">www.icarzcu3.gov.in</a> and is also mailed to respective KVKs. The same may be strictly followed.