KRISHI VIGYAN KENDRA
East Siang, Arunachal Pradesh
Central Agricultural University, Imphal
(Establishment Year: 2006)

Annual Progress Report
April 2012 – March 2013

Staff Position (As on 1st March , 2013)

Sl. No.	Name	Designation	Discipline
1.	Dr. Mahesh Pathak	Programme Coordinator	Plant Protection
2.	Ms. Th. Eloni Vida	Subject Matter Specialist	Home Science
3.	Mr. Shah M. Hussain	Subject Matter Specialist	Fisheries
4.	Mr. Toge Riba	Subject Matter Specialist	Plant Protection
5.	Dr. R.K. Singh	Subject Matter Specialist	Horticulture
6.	Dr. Neeta Longjam	Subject Matter Specialist	Vety. & Animal Science
7.	Mr. Rakesh Salam	Subject Matter Specialist	Agril. Engg.
8.	Mr. Jintu Rajkhowa	Programme Assistant	Computer Science
9.	Mrs. Nabum Yadi	Programme Assistant	Plant Protection
10.	Mr. Naloh Darang	Supporting Staff	-
11.	Mr. Tatok Takuk	Supporting Staff	-
12.	Mr. J.S. Kushwaha	OSD Accounts	Accountant

On Farm Trials (Summary: Plant Protection)

Discipline	Crop / Enterprise	Number of technology/ Social Concept		No. of trials		% of achievement	Reasons for shortfall, if any
		Assessed	Refined	Target	Achievement		
Plant Protection	Ginger	01	-	05	03	60	Availability of biocontrol agent
	Potato	01	-	05	05	100	-
	Citrus	01	-	01	01	100	-
	Brinjal	01	-	05	03	60	Availability of biocontrol agent
	Potato	01		05	05	100	-
Total		05		21	17	-	-

On Farm Trial: Plant Protection

Crop / Enterprise	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters of assessment/ refinement	Prdn. per unit crop/ enterprise	Net return (Rs./ Ha)	B:C Ratio
Ginger	Rhizome rot disease	Rhizome treatment with Bio-organic (GF-1) @ 25 ml/liter water and drenching at 45, 90 DAS	Biological control of Ginger Rhizome Rot disease using Bio-organic (GF-1)	03	Number of infected tiller Yield (q/ha)	5.5 % 115.2	170400	3.84
					Farmer Practice			
					Number of infected tiller Yield (q/ha)	11.7% 97.5	135000	3.25

On Farm Trial: Ginger Rhizome Rot Management

On Farm Trial: Plant Protection

Crop / Enterprise	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters of assessment/ refinement	Prdn. per unit crop/enterprise	Net return (Rs/ Ha)	B:C Ratio
Potato	Late blight disease	Tuber treatment with Dithane M-45 @ 5g/ lit and foliar spray of Ridomil MZ-78 @ 2.5 g/lit at 15 days interval starting from 30 DAS	Management of Late blight disease	05	Disease incidence Yield (q/ ha)	8.6 % 172.0	112000	2.86
					Farmer Practice			
					Disease incidence Yield (q/ha)	19.6 % 144.0	84000	2.40

On Farm Trial: Late blight Management

On Farm Trial: Plant Protection

Crop / Enterprise	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters of assessment/ refinement	Prdn. per unit crop/enterprise	Net return (Rs/ha)	B:C Ratio
Citrus	Decline in fruit quality and quantity	Rejuvenation of 30 years old citrus orchard by Detoping at 1,2,3,4 m height, fertilization, plant protection on calendar basis	Rejuvena-tion of declined orchard	01	Percent tree mortality Yield/tree	20 old citrus tree are under trial 20 % mortality in plants infested with trunk borer Increase in fruit size and canopy greenery in 3 - 4 m detopped trees, bear about 500 no.s fruit in 2nd year, less fruit drop	-	-
					Farmer Practice	No management		

On Farm Trial: Rejuvenation of Declined Citrus Orchard

On Farm Trial: Plant Protection

Crop / Enterprise	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters of assessment/ refinement	Prodn. per unit crop/ enterprise	Net return (Rs/ Ha)	B:C Ratio
Brinjal	Bacterial wilt	Management of Bacterial wilt disease of brinjal using *Pseudomonas fluorescence* as seed treatment @ 5g/kg seed and seedling root dip treatment @ 10g/l water.	Management of bacterial wilt of brinjal	03	Disease incidence : Yield: q/ha	8.0% 30 DAT & 18% 60 DAT 178	64000	3.56
					Farmer Practice	Farmer Practice		
					Disease incidence : Yield: q/ha	12.0% 30 DAT & 24% 60 DAT 148	49000	2.96

On Farm Trial: Bacterial Wilt Management in Brinjal

On Farm Trial: Plant Protection

Crop / Enterprise	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters of assessment/ refinement	Prdn. per unit crop/enterprise	Net return (Rs/ Ha)	B:C Ratio
Potato	Lack of quality planting material & low yield	Planting of potato Var. Kufri Megha in raised bed furrow system	Performance of potato Var. Kufri Megha under raised bed furrow system	05	Kufri Megha Yield (q/ ha)	172.0	112000	2.86
					Farmer Practice			
					Kufri Jyoti Yield (q/ ha)	150.0	90000	2.50

On Farm Trial: Performance of potato Var. Kufri Megha under raised bed furrow system

On Farm Trials (Summary: Fisheries)

Discipline	Crop / Enterprise	Number of technology/ Social Concept		No. of trials		% of achieve ment	Reasons for shortfall, if any
		Assessed	Refined	Target	Achievement		
Fisheries	Semi intensive culture	01	-	05	03	60	Heavy Rain during Kharif season
Fisheries	Horticulture cum Pisciculture	01	-	01	01	100	-
Total		02	-	06	04	80	

On Farm Trial: Fisheries

Crop / Enterprise	Problem diagnosed	Technology / Social Concept	Title of OFT	No. of trials	Parameters of assessment/ refinement	Prdn. per unit crop/ enterprise	Net return (Rs/Ha)	B:C Ratio
Aquaculture	Low productivity and unavailability of fish seed	Tilapia is a prolific breeder. It is a hardy spp. As seed is a major problem in the district culturing of prolific breeder could help the farmers for continuous aquaculture practices in home stead small ponds.	Mono Culture of Tilapia using locally available feed ingredient	03	Av. Body Wt. at sampling (84.7gm) BCR (1: 2.8)	8.75 q/ha	67,500	2.8
						Farmer Practice		
						Not yet practiced by farmers	-	-

OFT: Mono Culture of Tilapia using locally available feed ingredients.

Stocking of Tilapia Seed On Campus

Stocking at Mangnang Village

Segregation

Farmer with produced

OFT: Mono Culture of Tilapia using locally available feed ingredients.

Sampling by using drag net

Sampling in progress

A Haul of Tilapia

Maximum weight obtain 450 gm

On Farm Trial: Integrated Horticulture cum Pisciculture

Crop / Enterprise	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters of assessment/ refinement	Prdn. per unit crop/ enterprise	Net return (Rs/ Ha)	B:C Ratio
Aquaculture	Under utilization of land and water resources.	During winter, farmers faces scarcity of water for cultivation of different crops and unable to produce vegetable. Integrated Fish cum vegetable farming in pond dykes and adjacent area can help for better utilization of land and water resources.	Integrated Horticulture cum Pisciculture	01	-			
						Farmer Practice: Not yet practiced by farmers	-	-

OFT: Integrated Horticulture cum Pisciculture

Over flow water is being used for vegetables

Plantation of cabbage seed lings (wonder ball)

On Farm Trials (Summary: Home Science)

Discipline	Crop / Enterprise	Number of technology/ Social Concept		No. of trials		% of achieve ment	Reasons for shortfall, if any
		Assessed	Refined	Target	Achievement		
Home Science	Maize	1	-	5	5	100	-
Home Science	Field preparation	1	-	5	4	80	Availability of farm implements
Home Science	Banana plant	1	-	1	1	100	-
Home Science	Awareness and introduction of exotic vegetables in diet	1	-	3	3	100	-
Total	-	4	-	14	13	-	-

Ongoing On Farm Trial: Home Science

Crop / Enterprise	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters of assessment/ refinement	Prdn. per hour	Net return (Rs/Ha)	B:C Ratio
Maize	Lack of efficient tools for better working performance	Drudgery reduction using Maize sheller	Use of Tubular Maize Sheller for drudgery reduction	5	Heart rate (beats/min): Work pulse (beats/min): Quantity Shelled/hr: Work performed/day:			
					Farmer Practice			
					Manual removal		-	-

On Farm Trials: Drudgery Reduction using maize sheller

Removing corn using maize sheller

Removing corn by hand

Ongoing On Farm Trial: Home Science

Crop / Enterprise	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters of assessment/ refinement	Prdn. per hour	Net return (Rs/Ha)	B:C Ratio
Field preparation	Lack of appropriate tools for efficient working	Drudgery reduction	Use of curved blade Spade for drudgery reduction	4	Heart rate (beats/min): Frequency of postural change Work output /hour		-	-
					Farmer Practice			
					Straight blade		-	-

On Farm Trials: Drudgery Reduction using Curved blade spade

Curved blade spade

Farm women with the on trail spade at Runne village

Ongoing On Farm Trial: Home Science

Crop / Enterprise	Problem diagnosed	Technology / Social Concept	Title of OFT	No. of trials	Parameters of assessment/ refinement	Prdn. per hour	Net return (Rs/Ha)	B:C Ratio
Banana	New intervention	Prepare various articles from banana fibre	Feasibility of using wild banana fibre variety of East Siang district	1	Length of fibre, breaking strength, elasticity		-	-
					Farmer Practice			
					No practice		-	-

On Farm Trials: Banana Fibre Extractor

Unraveling of pseudostem layers

Fibre Extraction

Extracted fibres

Drying the extracted fibres

Ongoing On Farm Trial: Home Science

Crop / Enterprise	Problem diagnosed	Technology / Social Concept	Title of OFT	No. of trials	Parameters of assessment/ refinement	Prdn. per hour	Net return (Rs/Ha)	B:C Ratio
Exotic vegetables (Chicory, lettuce, parsley, celery, broccoli)	Lack of variety in diet	Introduction of exotic vegetables for increasing variety in diet	Awareness and introduction of exotic vegetables in diet	3	Yield/hectare, Acceptability by the farmers		-	-
					Farmer Practice			
					No practice		-	-

On Farm trial on Introduction of exotic vegetables

On Farm Trials (Summary: Vety. & Animal Science)

Discipline	Crop / Enterprise	Number of technology/ Social Concept		No. of trials		% of achieve ment	Reasons for shortfall, if any
		Assessed	Refined	Target	Achievement		
Vety. & Animal Science	Introduction of dual purpose Vanaraja bird in far flung area of East Siang District of Arunachal Pradesh	1	-	8	8	100	-
Total	-	1	-	8	8	-	-

Ongoing On Farm Trial: Vety. & Animal Science

Crop / Enterprise	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters of assessment/ refinement	Prdn. per hour	Net return (Rs/Ha)	B:C Ratio
Vanaraja	Low production performance of existing birds	Introduction of dual purpose Vanaraja bird	Introduction of dual purpose Vanaraja bird in far flung area of East Siang District of Arunachal Pradesh	08	-Age at first laying -Body weight at first laying -Average annual egg production -Average body weight gain at 6months -Hatchability -Disease susceptibility -Mortality			
					Farmer Practice	Traditional rearing of local fowl Manual removal		

On Farm Trials (Achievements: Vety. & Animal Science)

Distribution of chicks to farmers

Brooding management

Feeding of chicks

Vanaraja birds in runne village

On Farm Trials (Achievements: Vety. & Animal Science)

Training programmed carried out in different villages of Pasighat

On Farm Trials (Achievements: Vety. & Animal Science)

Interaction with farmers

Diagnostic visit

Encouraging farmer to use clean drinking water for animals and birds

FLDs (Summary: Plant Protection)

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for short fall if any
			Target (ha)	Achievement (ha)		
Plant Protection	Maize	DKC 9810	05	03	60	Insufficient seed material
Plant Protection	Rice	Var. CAU-R1	10	08	80	In sufficient seed material
Plant Protection	Rice	IPM	05	05	100	-
Plant Protection	Toria	Var. TS-46	05	05	100	-

FLDs (Summary: Plant Protection)

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for short fall if any
			Target (ha)	Achievement (ha)		
Plant Protection	Cabbage	Var. Wonder ball, IPM, Intercropping of Mustard as trap crop	02	01	50	Timely availability of inputs and irrigation facility

FLDs (Achievements): Plant Protection

Crop / Enterprise	Technology demonstrated	Demonstration Yield (q/ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn. (Rs./ha)	Avg. Gross Return (Rs./ha)	Avg. Net Return (Rs./ha)	B:C Ratio
		H	L	A	(q/ha)	%				
Maize	DKC 9810	83.3	79.5	81.6	70.0	16.57	35000	122400	87400	3.49

FLD on Maize

FLDs (Achievements): Plant Protection

Crop / Enterprise	Technology demonstrated	Demonstration Yield (q/ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn. (Rs./ha)	Avg. Gross Return (Rs./ha)	Avg. Net Return (Rs./ha)	B:C Ratio
		H	L	A	(q/ha)	%				
Rice	CAU-R1	27.7	27.5	27.6	26.5 (Var. Deku)	4.0	30000	55200	25200	1.84

FLD on Rice Var. CAU R-1

FLDs (Achievements): Plant Protection

Crop / Enterprise	Technology demonstrated	Demonstration Yield (q/ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn. (Rs./ha)	Avg. Gross Return (Rs./ha)	Avg. Net Return (Rs./ha)	B:C Ratio
		H	L	A	(q/ha)	%				
Rice	IPM	29.1	27.2	28.2 SB-8.7% LF-13.6% CW-8.6% Blast-9.7% FS-7%	26.5 (Var. Deku) SB-17% LF-24.3% CW-19% Blast-13% FS-12%	6.48	31000	56400	25400	1.81

FLD on Integrated Pest Management in Rice

FLDs (Achievements): Plant Protection

Crop / Enterprise	Technology demonstrated	Demonstration Yield (q/ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn. (Rs./ha)	Avg. Gross Return (Rs./ha)	Avg. Net Return (Rs./ha)	B:C Ratio
		H	L	A	(q/ha)	%				
Toria	Var. TS-46	7.2	7.8	7.5	6.0	25	14000	37500	23500	2.67

FLD on Toria Var. TS-46

FLDs (Achievements): Plant Protection

Crop / Enterprise	Technology demonstrated	Demonstration Yield (q/ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn. (Rs./ha)	Avg. Gross Return (Rs./ha)	Avg. Net Return (Rs./ha)	B:C Ratio
		H	L	A	(q/ha)	%				
Cabbage	Var. Wonder ball, IPM module using Indian mustard as trap crop in Cabbage for management of DBM, Cabbage stem borer and Cabbage butterfly (25 rows of Cabbage: 2 rows of Indian mustard)	195.1	169.5	182.3	165.5	10.1	50000	182300	132300	3.64

FLD on IPM in Cabbage

FLDs (Summary: Fisheries)

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for short fall if any
			Target (ha)	Achievement (ha)		
Fisheries	Fish	Composite fish farming system	02	2.39	119	-
Fisheries	Rice-Fish	Rice cum fish culture	02	0.60	30	Dearth of fund
Fisheries	Common carp breeding	Hapa breeding of common carp	1 no.	1 no.	100	

Farmers list of FLD in Composite Fish Farming

Sl. No.	Name of the Farmer	Village	No seeds	Stocking date	Remarks	Farm area under CFC (ha)
1.	Mr. Tamisor Padung	Ledum	600	23/05/12	ATMA, Sponsored	0.07
2.	Mr. Tamong Taloh	Ledum	600	23/05/12	ATMA, Sponsored	0.06
3.	Mr. Taki Saroh	Ledum	1200	23/05/12	ATMA, Sponsored	0.12
4.	Mr. Kahi Saroh	Ledum	800	23/05/12	ATMA, Sponsored	0.10
5.	Mr. Balem Dupak	Ledum	1200	23/05/12	ATMA, Sponsored	0.20
6.	Mr. Tabor Jamoh	Tabi	1000	25/05/12	ATMA, Sponsored	0.50
7.	Mrs. Hokheli Bomjen	Nari	600	12/06/12	ATMA, Sponsored	0.20
8.	Mr. Obang Nonang	Mirem	2000	05/06/12	KVK, Fund	0.24
9.	Mr. Taki Muang	Mirem	2000	05/06/12	KVK, Fund	0.30
10.	Mr. Obit Mibang	Mangnang	1000	02/07/12	KVK, Fund	0.60
Total area						**2.39 ha**

FLDs (Achievements): Fisheries

Crop / Enterprise	Technology demonstrated	Demonstration Yield (q/Ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn. (Rs/ Ha)	Avg. Gross Return (Rs/ Ha)	Avg. Net Return (Rs/ Ha)	B:C Ratio
		H	L	A	(q/ha)	%				
Semi Intensive Fish Farming System	Composite fish farming system {Six species of fish culture in ponds (2 Rohu : 2 Catla : 1.5 Mrigal : 2 Silver Carp: 1 Grass Carp : 1.5 Common Carp)}	23.9	10.0	17.1	9.0	90	59875	198875	140250	3.32

FLD on Composite fish farming system

Collection of Fish Fingerlings

Packing of Fish Fingerlings at Vijoypur village

Oxygen Packing of seed

Transportation process

FLD on Composite fish farming system

Stocking of seed at Mangnang Village

Stocking of seed at Ledum Village

Stocking of seed at Mirem Village

Stocking of seed at Tabi Village

FLD on Composite fish farming system

Farmer with produce at Mangnang Village

Farmer with produce at Mirem Village

During sampling at Nari Village

During Sampling at Ledum Village

FLDs (Achievements): Fisheries

Crop / Enterprise	Technology demonstrated	Demonstration Yield (q/Ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn. (Rs/ Ha)	Avg. Gross Return (Rs/ Ha)	Avg. Net Return (Rs/ Ha)	B:C Ratio
		H	L	A	(q/ha)	%				
Integrated Farming System	Rice cum fish culture Three species of IMC (Rohu, Catla and Mrigal) and two species exotic carps (Silver carp and Common carp)	4.8	2.3	3.55	NA	NA	23750	42600	18850	1.80

List of farmers of FLD in Rice Fish Farming

Sl. No.	Name of the Farmer	Village	No of seed	Stocking date	Integration area
1.	Mr. Tasi Saroh	Rayang	2000	28/07/12	0.20 ha
2.	Mr. Talem Minki	Sikatode	2000	28/07/12	0.20 ha
3.	Mr. Tapang Mize	Mirem	2000	09/08/12	0.20 ha
Total area					**0.60 ha**

FLD on Rice-Fish farming system

FLD site at Sikatode Village

Farmer taking seed for stocking at Sikatode village

Seed stocking at Mirem village

FLD site at Mirem Village

FLD on Rice-Fish farming

Protection to avoid escape of fishes

Collection of fishes in the rice field

Fishes collected form rice field

Harvesting and sampling

FLD on Rice-Fish farming

Maximum wt of 260 gm obtain in common carp

Produces form Sikatode village

Harvesting at Sikatode village

FLDs (Achievements): Fisheries

Crop / Enterprise	Technology demonstrated	Demonstration Yield (q/Ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn.	Avg. Gross Return	Avg. Net Return	B: C Ratio
		H	L	A	(q/ha)	%				
Common Carp	Hapa Breeding of Common carp	Fertilization Rate: 73 % Hatching Rate: 61 %	Fertilization Rate: 64 % Hatching Rate: 57 %	Fertilization Rate: 68 % Hatching Rate: 59 .2 %	Not practiced by farmers	NA	Rs. 10,600/- breeding in six hapa and rearing up to fry (2.5 cm-3.0 cm)	Rs. 28,765/-	Rs. 18,705/-	1: 2. 86

FLD on Breeding of Common carp at Tebo village

Collection of brooders

Selection of potential brooders

Farmer with selected brooder

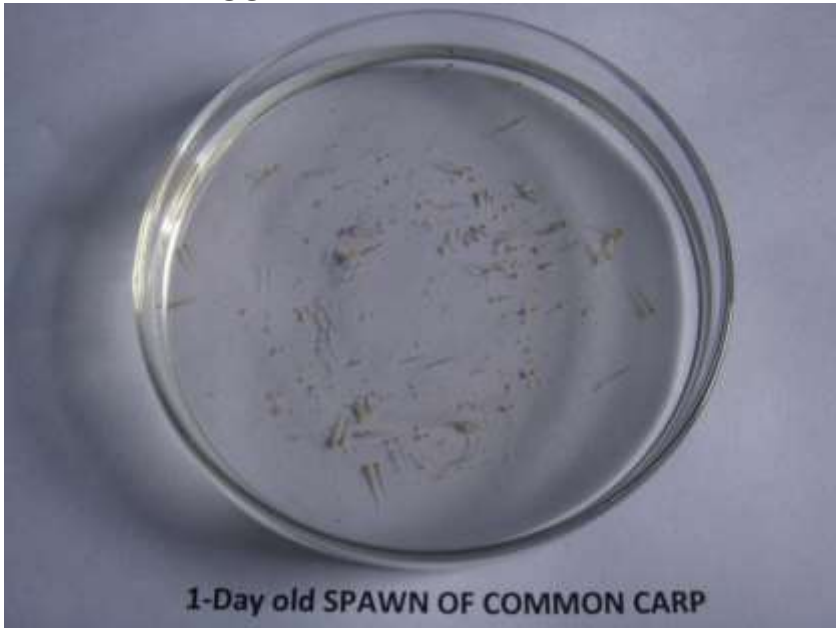
A view of the breeding site

FLD on Breeding of Common carp at Tebo village

Eichornia with eggs

Fertilized egg attached in roots of Eichornia

DEE, CAU, Imphal observing the hatchlings



FLDs (Summary: Home Science)

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for short fall if any
			Target (ha)	Achievement (ha)		
Home Science	Kharif and Rabi Vegetables	Promotion of proper intake of balanced diet through Nutritional Gardening	05 No.	05 No.	100	-
Home Science	Packaging of value added products	Value addition through Packaging	05 No.	05 No.	100	-
Home Science	Utilization of waste	Use of kitchen and garden waste material for compost	05 No.	02 No.	40	On-going

FLDs (Achievement: Home Science)

Crop / Enterprise	Technology demonstrated	Demonstration Yield (q/Ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn. (Rs/Ha)	Avg. Gross Return (Rs/Ha)	Avg. Net Return (Rs/Ha)	B:C Ratio
		H	L	A	(q/Ha)	%				
Kharif and *Rabi* Vegetables	Promotion of proper intake of balanced diet through Kitchen Gardening	125.0	95.0	110	83.0	32.5	45000	110000	65000	2.44

Nutritional Gardening demonstration plot

Nutritional Gardening at Sika-tode Village

FLDs (Achievement: Home Science)

Crop / Enterprise	Technology demonstrated	Parameters of demonstration
Fruits and vegetables	**Packaging of value added products**	**Shelf life of product** : All products prepared viz. Jams, pickles, beverages are still edible and in good condition till the time of reporting. **Consumers acceptability** : Good, as the consumers prefer well packaged products. **Appearance of the product :** There is no considerable change in color of product during the period of observation (10 months)

Packaged Value products under observation

FLDs (Achievement: Home Science)

Value addition of processed products through packaging

FLDs (Achievement: Home Science)

Crop / Enterprise	Technology demonstrated	Demonstration Yield (q/Ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn. (Rs/Ha)	Avg. Gross Return (Rs/Ha)	Avg. Net Return (Rs/Ha)	B:C Ratio
		H	L	A	(q/Ha)	%				
Waste material	Use of kitchen and garden waste material for compost									

Compost Unit

FLDs (Summary: Agricultural Engineering)

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for shortfall, if any
			Target (ha)	Achievement(ha)		
Agril. Engg	Paddy	Use of drudgery reduction implement for weeding of paddy using cono-weeder.	0.5	0.5	100	-
Agril. Engg	Paddy	Use of multi-crop thresher for threshing of paddy.	2	1.0	50	Due to high moisture content of the harvested crop.
Agril. Engg	Mustard	Use of multi-crop thresher for threshing of mustard .	1.5	1.5	100	
Total	3	3	4	3.0	75	

FLDs (Achievement: Agricultural Engineering)

Crop / Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn. (Rs/Ha)	Avg. Gross Return (Rs/Ha)	Avg. Net Return (Rs/Ha)	B:C Ratio
		H	L	A	(Qt/Ha)	%				
Paddy	Method demonstration on drudgery reduction implement for weeding of paddy using cono-weeder.	-	-	-	-	-	Rs.2000/- (Required 80 man hrs/ha. Saved 200 man hrs /ha over traditional method)	-	-	Saved Rs.5000. per/ha over traditional method of weeding.
Paddy	Use of multi-crop thresher for threshing of paddy.						Rs.4000/- (Required 40 man hrs/ha. Saved 120 man hrs/ha over traditional method)			Saved Rs.3000 per/ha over traditional method of threshing.
Rapeseed (Toria)	Use of multi-crop thresher for threshing of Toria.						Rs.2200/- (Required 40 man hrs/ha. Saved 80 man hrs/ha over traditional method.)			Saved Rs.3800 per/ha over traditional method of threshing.

Demonstration on rice weeding using cono-weeder at farmers field at Runne village

Demonstration on threshing of paddy using multi-crop thresher at farmers field

Ayeng and Yagrung village

Demonstration on threshing of Toria using multi-crop thresher at farmers field at Takilalung village.

Training Programmes (Farmers)

Discipline	No. of courses			Farmers (Nos.)				Target Beneficiary (Nos.)	% achievement
	T	A	% of A	On	Off	Spon.	Total		
Plant Protection	11	14	127.2	60	360	120	540	330	163.0
Fisheries	12	14	117.0	131	262	186	580	360	161.0
Home Science	12	11	91.6	112	74	151	337	360	93.6
Horticulture	08	07	87.5	90	60	60	210	240	87.5
Vety. & AH	12	07	58.0	13	69	131	213	300	71.0
Agril. Engg.	08	6	75.0	92	124	2	216	250	86.4
Total									

Training Programmes: Plant Protection

Nursery raising techniques training at Runne village

IPM in Rice training at Sikatode village

Nursery management in Paddy training at Rotte village

Nursery management in Vegetables training at Sipu village

Training Programmes: Fisheries

Composite Fish Farming training at Ledum village

Field visit after training at village

Way to Margadung and Banggo Village

Training in progress at Margadung and Banggo Village

Training Programmes: Fisheries

Composite Fish Farming training at Ngorlung village

On campus district level farmers training

Training on fish preservation at Miklung

Sponsored training programme by eAgrikiosk

Training Programmes: Agricultural Engineering

At Sibut, Sikatode and Runne villages

Training programmes: Vety. & Animal Science

Hands on training on poultry vaccination both on campus and off campus

Training cum demonstration on brooding management of poultry

Training Programmes (Rural Youth)

Discipline	No. of courses			Rural Youth (Nos.)					Target Beneficiary (Nos.)	% achievement
	T	A	% of A	On	Off	Spon.	Voc.	Total		
Plant Protection	03	02	66.6	52	-	-	-	52	60	86.6
Fishery	04	02	50.0	-	49	-	-	49	30	163
Home Science	06	04	66.6	51	49	-	-	100	180	55.5%
Horticulture	02	01	50.0	60	-	-	-	60	60	100
Vety. & AH	02	01	50.0	60	-	-	-	60	60	100
Agril. Engg.	02	01	50.0	60	-	-	-	60	60	100
Total										

Training Programmes: Home Science

Value addition of Mango

Crafts made by rural youth

Preparing Value added products from locally available hort. crops

Hands on training in progress

Training Programmes (Extension Personnel)

Discipline	No. of courses			Extension Personnel Benefited (Nos.)				Target Beneficiary (Nos.)	% achievement
	T	A	% of A	On	Off	Spon.	Voc. Total		
Multiple Enterprise Agriculture	01	01	100	-	-	31	-	25	124
Total	01	01	100	-	-	31	-	25	124

Training Programmes: Extension Personnel

Training in progress

DEE, CAU , Imphal addressing the trainees

Lecture session in progress

Trainees along with resource persons

Extension Activities

Extension Activity	Courses			Beneficiaries		
	Proposed/ Target in 2011-12	Achieve ment (Nos.)	% achieve ment	Proposed/ target (Nos.)	Achieve ment (Nos.)	% achieve ment
Field Day	04	06	150	210	180	86
Kisan Mela	02	02	100	275	500	181
Kisan Gosthi	04	02	50	170	135	80
Exhibition	02	01	50	350	1500	429
Film Show	10	06	60	350	180	51
Method Demonstration	06	14	233	240	218	91
Group Meeting	02	63	3150	55	238	433
Lectures delivered as resource persons	06	45	750	210	534	254
Advisory Services	100	195	195	100	195	195
News paper coverage	06	06	100	Mass	Mass	Mass
Extension Literature	12	30	250	Mass	Mass	Mass

Extension Activities

Extension Activity	Courses			Beneficiaries		
	Proposed/ Target in 2011-12	Achieve ment (Nos.)	% achieve ment	Proposed/ target (Nos.)	Achieve ment (Nos.)	% achieve ment
Scientific visit to farmers field	72	160	222	200	679	339
Farmers visit to KVK	60	376	627	180	822	457
Diagnostic visits	72	144	200	225	171	76
Exposure visits	01	21	2100	30	309	1030
Farm Science Club Conveners meet	02	03	150	40	60	150
Self Help Group Conveners meet	06	06	100	120	122	102
Popular articles	06	17	283	Mass	Mass	Mass
Arunachal Citrus show	01	01	100	250	275	138
Total						

Other Extension Activities at a Glance

Farmers Scientist Interaction programme at Renging village

Market Led Extension Programme at Oyan village

Awareness cum Orientation Programme of NABARD sponsored Farmers Club at East Siang

Other Extension Activities at a Glance

MS Swaminathan Award to two farmers of KVK East Siang Farmers

Market Led Extension Programme at 10 Mile village

Exposure visit to KVK East Siang Instructional Farm

Kisan Mela & Krishi Expo at Itanagar, A.P.

Other Extension Activities at a Glance

Interface meeting at CHF, Pasighat

NIRD Guwahati Sponsored Programme

Farmers Exposure visit

ATMA East Siang Sponsored programme

Seed Materials

Item	Crop	Variety	Proposed quantity/ Target (q) (12-13)	Quantity produced (q)	% achieve ment	Value (Rs.)	Qty Supplied/ Provided to (No. of farmers)
Cereals	Rice	CAU R-1	5.0	5.0	100	10000	10
Oilseeds	Toria	TS-46	0.25	0.25	100	1500	05
Pulses	Pea	Swarna Mukti	0.5	0.5	100	4000	10
Total	-	-	5.30	5.30	100	15500	25

Planting Materials

Item	Crop	Variety	Proposed quantity/ Target (q) (12-13)	Quantity produced (q)	% achieve ment	Value (Rs.)	Qty Supplied/ Provided to (No. of farmers)
Fruits	Pine apple	Kew	500 no.	-	-	-	-
Spices	Turmeric	Megha Turmeric-1	25.0	-	-	-	-
	Ginger	Nadia	25.0	-	-	-	-
Vegetables	Tomato	H-86	500 no.	1000	200	500	10
	Brinjal	Swarna Shymali	500 no.	1000	200	500	10
	Chilli	King Chilli	500 no.	-	-	-	-
	Cabbage	Wonder Ball	-	1000	-	500	10
Total	-	-	50.0 q/ 2000 no.s	3000	400	1500	30

Bio-products

Item	Product Name	Species	Proposed quantity (11-12)		Quantity produced		% achievement	Value (Rs.)	Qty supplied and No. of farmers	
			No.	Kg.	No.	Kg.			No.	Kg.
Bio-agents	-	-	-	-	-	-	-	-	-	-
Bio-fertilizers	Dhaincha	*Sesbenia* sp.	-	50	-	50	100	2500	05	-
Bio-pesticides	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	50	-	50	100	2500	05	-

Instructional Farm Activities at a Glance

Vegetables grown in Crop Cafeteria at KVK in Instructional Farm

Instructional Farm Activities at a Glance

Som (*Machilus bombycina*)

High Density plantation of pineapple Var. Kew

Integrated Farming system model

Polythene Lined Water Storage Tank

Thank You (Airudo)