KVK EAST SIANG, ARUNACHAL PRADESH

CENTRAL AGRICULTURAL UNIVERSITY, IMPHAL

(Establishment Year: 2006)

Annual Progress Report
April 2015 – March 2016

Staff Position (As on 31st March, 2016)

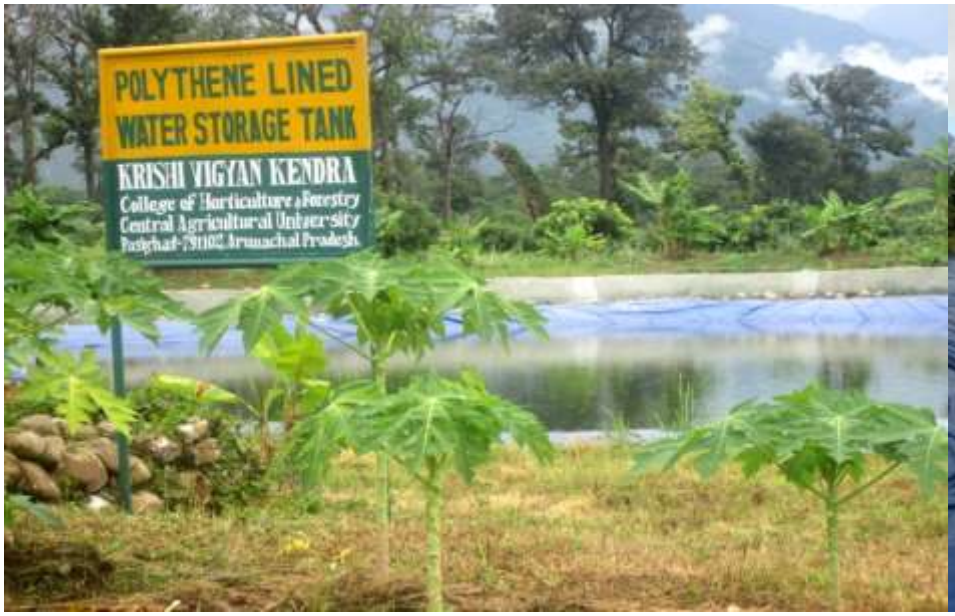
Sl. No.	Name	Designation	Discipline
1	**Dr. Mahesh Pathak**	Programme Coordinator	Plant Protection
2	**Ms. Th. Eloni Vida**	Subject Matter Specialist	Home Science
3	**Mr. Shah M. Hussain**	Subject Matter Specialist	Fisheries
4	**Mr. Toge Riba**	Subject Matter Specialist	Plant Protection
5	**Dr. R.K. Singh**	Subject Matter Specialist	Horticulture
6	**Mr. Rakesh Salam**	Subject Matter Specialist	Agril. Engg.
7	**Dr. Neeta Longjam**	Subject Matter Specialist	Vety. & AH
8	**Mr. Jintu Rajkhowa**	Computer Programmer	Computer Science
9	**Mrs. Nabum Yadi**	Programme Assistant	Plant Protection
10	**Dr. Brij Mohan Singh**	Farm Manager	Vegetable Science
11	**Mr. Bharat Bahadur Sonar**	Driver	-
12	**Mr. Ng. Ratan Kumar Singh**	Driver	-
13	**Mr. Naloh Darang**	Supporting Staff	MTS
14	**Mr. Tatok Takuk**	Supporting Staff	MTS

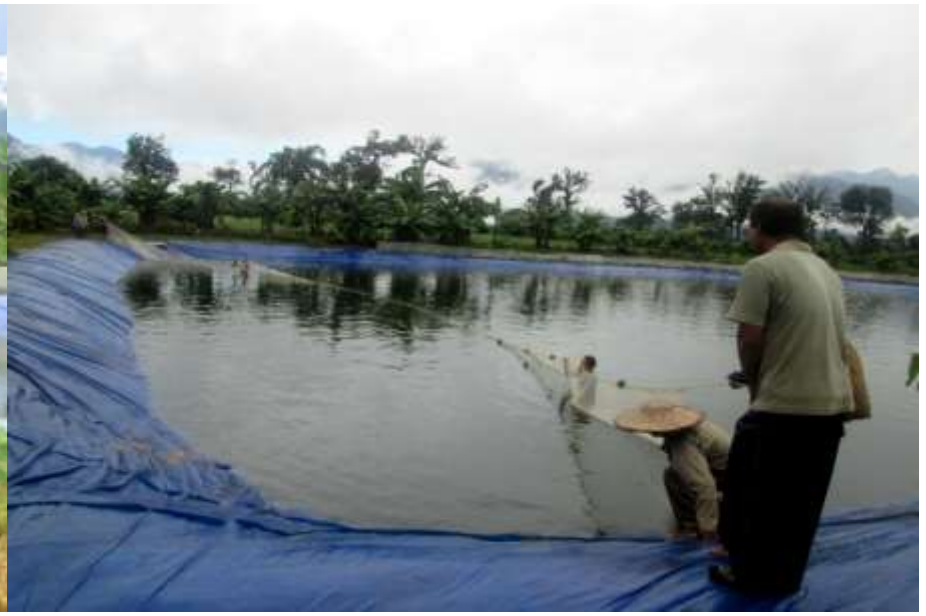
Infrastructure facilities (As on March, 2016)

Sl. No.	Infra-structure facility	Present Status			Remarks (including quantity and quality at present)
		Existing/ Constructed	On-going	New proposal	
1.	**Administrative building**	-	On-going	-	Final installment of money for partitioning of room awaited
2.	**Staff Quarters**	-	-	New proposal	12th Plan EFC proposal
3.	**Farmers' hostel**			New proposal	12th Plan EFC proposal
4.	**Demonstration Units**	01	-	-	Polythene Lined Rain Water Harvesting Unit
5.	**Fencing/boundary wall**	-	-	New proposal	12th Plan EFC proposal
6.	**Any other (Pl. specify)**	01	-	-	Dairy Unit

KVK Administrative Building

Dairy Unit





Polythene Lined Water Storage Tank

OFT

On Farm Testing (Discipline-Wise Summary)

Discipline	Crop / Enterprise	Number of technology/ Social Concept		No. of trials		% of achievement	Reasons for shortfall (if any)
		Assessed	Refined	Target	Achievement		
P. Protection	Citrus	01	-	02	02	100	
P. Protection	Brinjal	01	-	02	02	100	
P. Protection	Pigeonpea	01	-	05	05	100	
Horticulture	Tomato	01	-	01	01	100	
Horticulture	Marigold	01	-	01	01	100	
Fisheries	Amur Carp	01	-	03	04	100	
Fisheries	Processing	01	-	03	04	133	
Agril. Engg.	Portable cardamom dryer.	01	-	02	02	100	
Vety. & AH	Pig	01	-	03	05	166	
Vety. & AH	Poultry	01		03	03	100	
Home Sc.	Nutritional Gardening	01	-	05	05	100	
Home Sc.	Processing	01	-	05	02	40	
Home Sc.	Zero Energy Cool Chamber	01	-	05	02	40	
	Total	**13**					

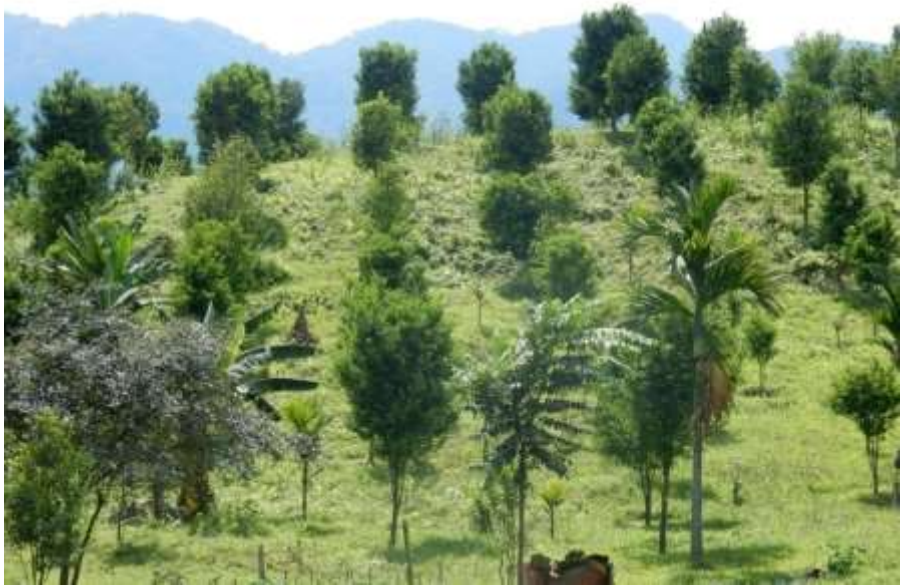
OFT Discipline: Plant Protection

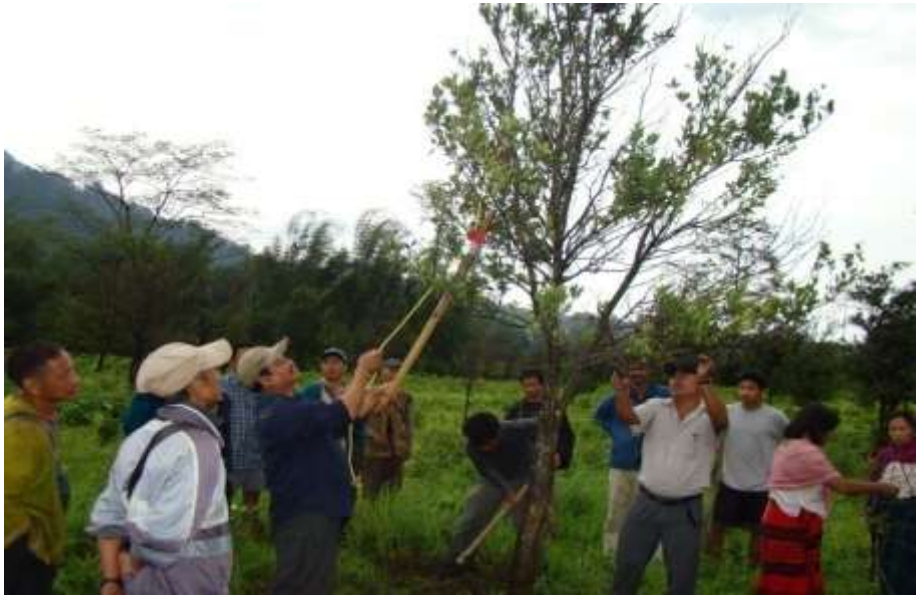
Crop / Enterprise	Farming Situation	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters on Assessment	Prdn. per unit	Net return Rs/ Ha	B:C Ratio
Citrus	Rain fed	Citrus trunk borer	**February:** Prevent emerge of adult by plugging borer hole with swap soaked with Monocrotophos & plug with mud. **March and April:** Swapping of trunk with 1% Carbaryl up to 2m from base. Spray 0.05% Dimethoate at lower portion foliage to kill trunk borer adult. **May:** Paint citrus trunk with Bordeaux paste up to 2m height. Dislodge adult by Shaking trees & destroy. Spray 0.05% Dimethoate at lower portion foliage to kill trunk borer adult. **June;** Inspect trunk and kill grub feeding on bark. **July -August:** Inspect trunk and insert Monocrotophos or kerosene swap in bore hole and plug with mud.	Management of Citrus Trunk Borer	2	4% trunk borer infestation in IPM orchard. .	Av. Yield/ plant 275 No.s fruit with 107g wt per fruit in treated tree (29.42 kg/ tree)	203733.5 /ha (735.5 per tree)	4.9
						Farmer Practice 21% trunk borer infestation in non IPM orchard	210 no.s of fruit with 79 g wt/ fruit (16.59 kg/ tree)	114885.75 /ha (414.75 per tree)	2.76

OFT: Management of Citrus Trunk Borer

DEE,CAU visit to OFT

Bordeaux pasting on Citrus trunk



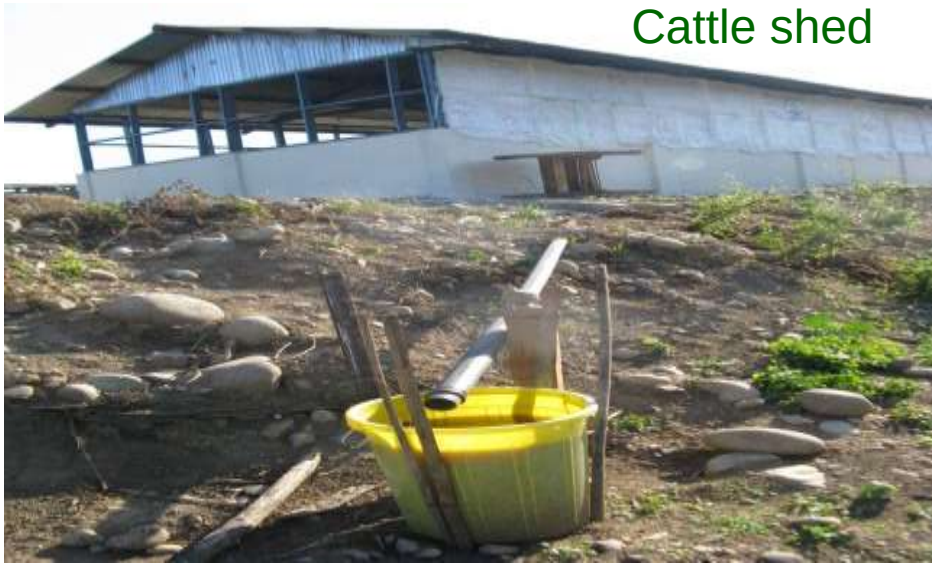


Pruning of Citrus

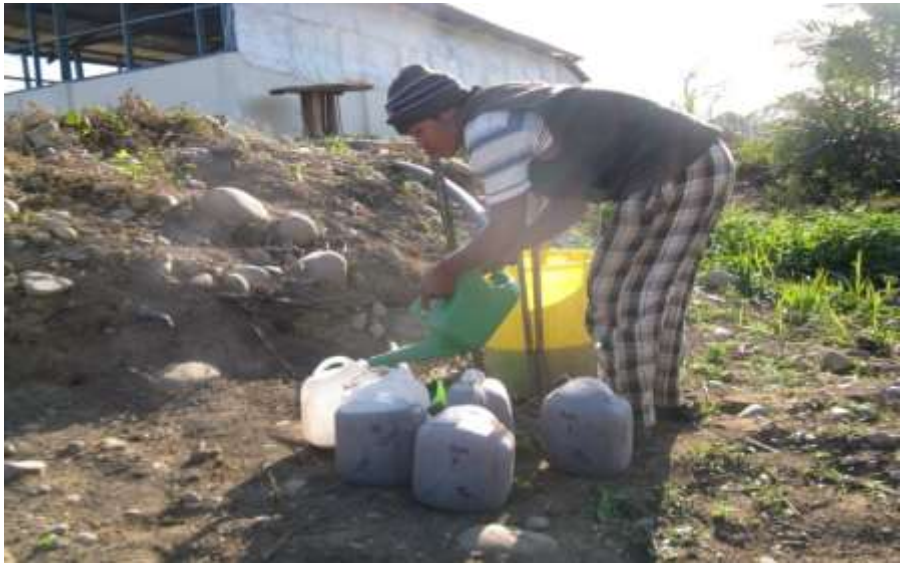
OFT Discipline: Plant Protection

Crop / Enterprise	Farming Situation	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters on Assessment/ Refined	Prdn. per unit	Net return Rs/Ha
Brinjal	Rain fed	Wilt in Brinjal	Cow urine 50 ltr mixed with 5 kg molasses and 2.5 kg neem leaf. Solution is fermented for 21 days and spayed @10% Gomutra at 15 days interval acted as an effective pesticide and growth promoter.	Efficacy of GO MUTRA as pesticides against brinjal wilt	2	9% wilt incidence	Yield: 102 q/ha	1.66
						Farmer Practice 18% incidence of brinjal wilt recorded in untreated	**Farmer Practice** Yield: 75q/ha	1.42

OFT: Efficacy of GO Mutra as pesticides



Cow urine Collection



Fermentation and packaging of GO MUTRA

GO MUTRA treated Brinjal Crop

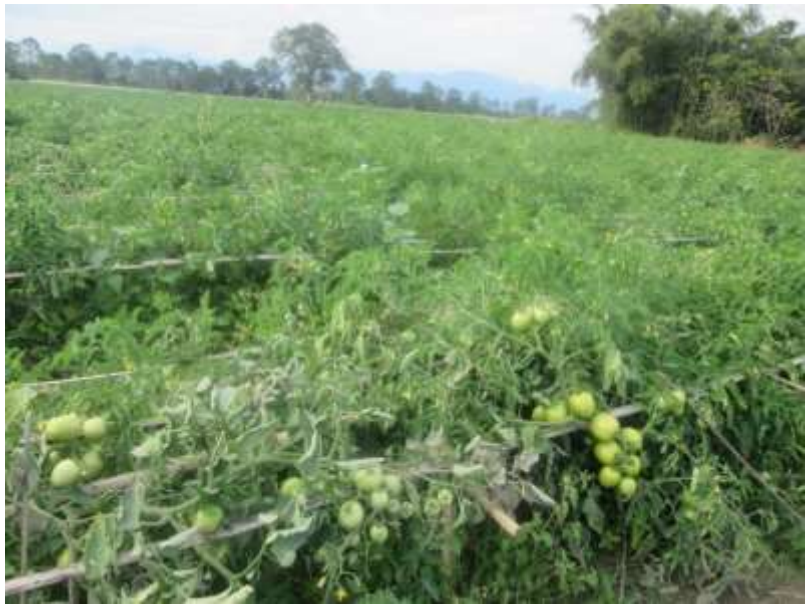
OFT Discipline: Plant Protection

Crop / Enterprise	Farming Situation	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters on Assessment / Refined	Prdn. per unit	Net return Rs/Ha
Pigeon pea	Stored grain	Pulse weevil	Seed treatment with Mustard oil and Niger oil @ 5ml/kg Pigeonpea seed. storage of treated seeds in muslin bags.	Efficacy of Mustard Oil and Niger oil against pulse weevil *Callosobruchus chinesis* L.	05	12% (940g wt) and 9% (955g wt) infestation in Mustard and Niger oil treated Pigeon pea seed	-	1.04 1.06
						Farmer Practice 80% grain damage in untreated seeds with (600g wt).		0.6

OFT Discipline: Horticulture

Crop / Enterprise	Farming Situation	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters on Assessment / Refined	Prdn. per unit	Net return Rs/Ha
Tomato	Protected cultivation	Crop damage due to heavy rain	Protected cultivation of tomato under low cost Poly house 7X15 m made of bamboo structure using UV polythene roof	Cultivation of Tomato under low cost Poly house	01	Bigger size fruits , deep red color and higher longevity	180 q/ha yield under poly house condition	1.41
						Farmer Practice Average size fruits , red color with medium longevity	117 q/ha yield in open field condition	0.6

OFT : Horticulture



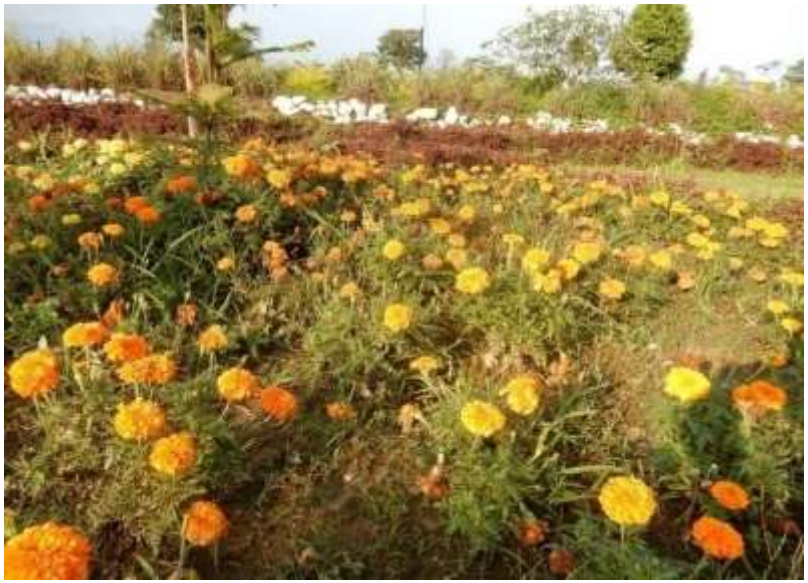
Protected cultivation of tomato

OFT Discipline: Horticulture

Crop / Enterprise	Farming Situation	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters on Assessment/ Refined	Prdn. per unit	Net return Rs/Ha
Marigold	RF	Non availability of quality Marigold flowers	Introduction of Marigold Var. Pusa Narangi and Pusa Basanti	Performance of marigold Variety Pusa Narangi and Pusa Basanti	01	Loose flower size 2.3 cm diameter, 6-8 flower per plant, 15 q/ha loose flower	15 q/ha loose flowers	1.5
						Farmer Practice Grows Marigold in Kitchen garden only		

OFT : Horticulture



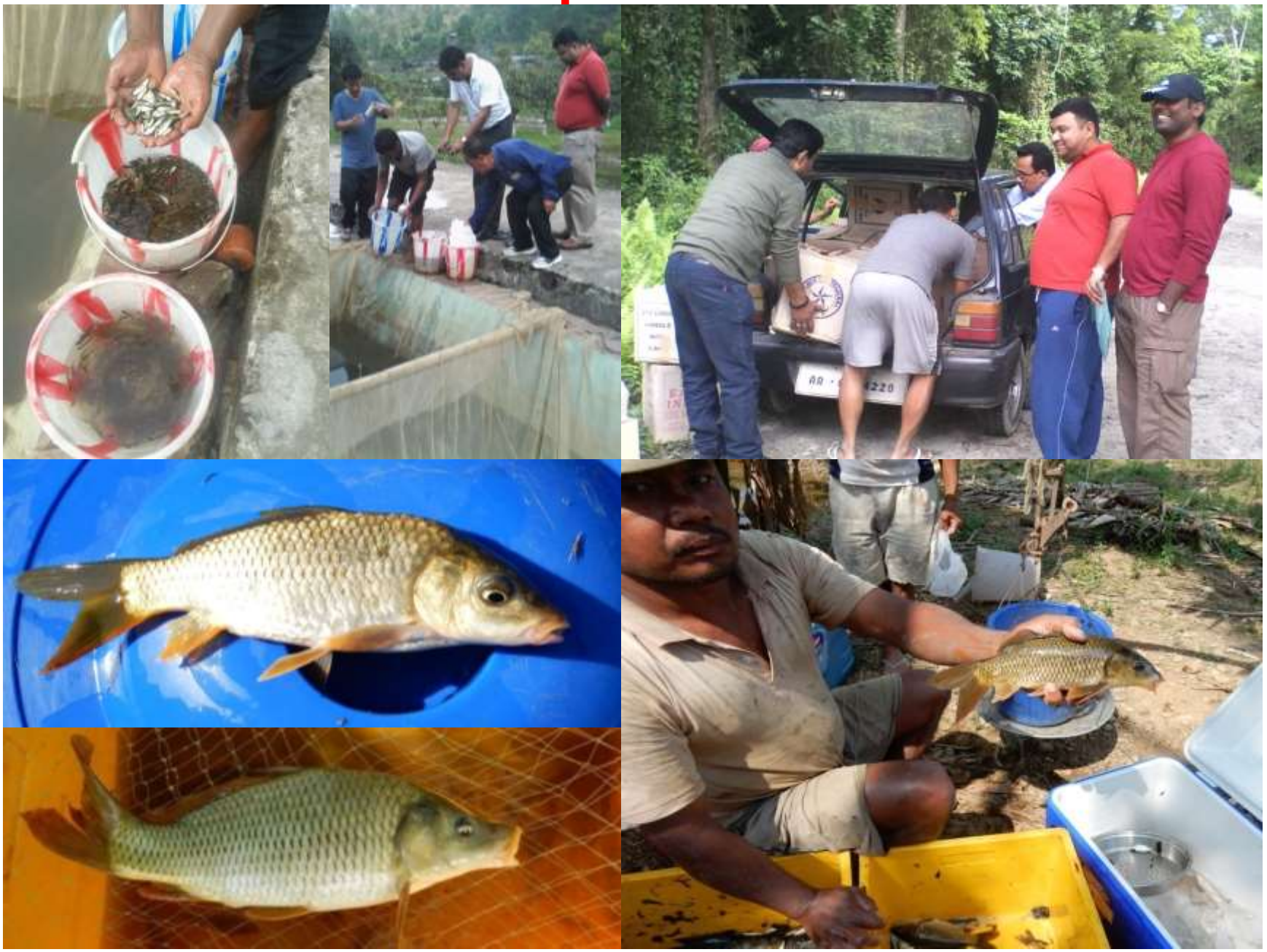



Cultivation of Marigold Var. Pusa Narangi and Pusa Basanti

OFT Discipline : Fisheries

Crop / Enterprise	Problem diagnosed	Technology / Social Concept	Title of OFT	No. of trials	Parameters of assessment/refinement and its data in bracket	Prdn. per unit crop/ enterprise	Net return (Rs/Ha)	B:C Ratio
Culture of carp	Low consumer preference of existing common carp and low growth of the carp	Culture of Amur carp	Culture of AMURA superior common carp breed	**04**	**Technology**	**Technology**		
					1. Survival rate: 80 %	**Slaughter value 66.4 %**		
					2. Average wt : 530 gm			
					3. Slaughter value 5.2 % more than existing			
					4. % of mortality during transportation: 2 %			
					Farmer Practice	**Farmer Practice**		
					1. Survival rate: 82 %	**Slaughter value 61.2 %**		
					2. Average wt : 580 gm			
					3. Slaughter value 61.2 %			

OFT Discipline : Fisheries

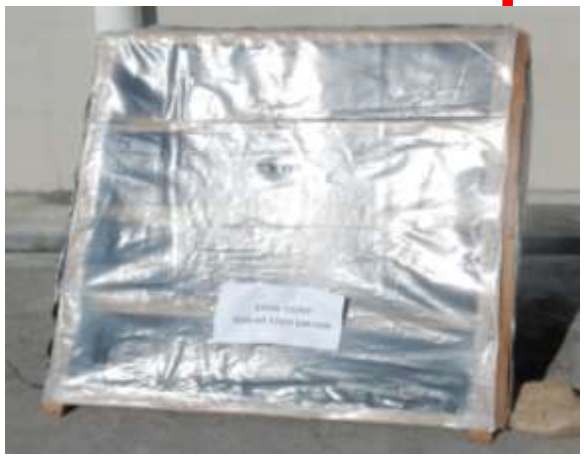
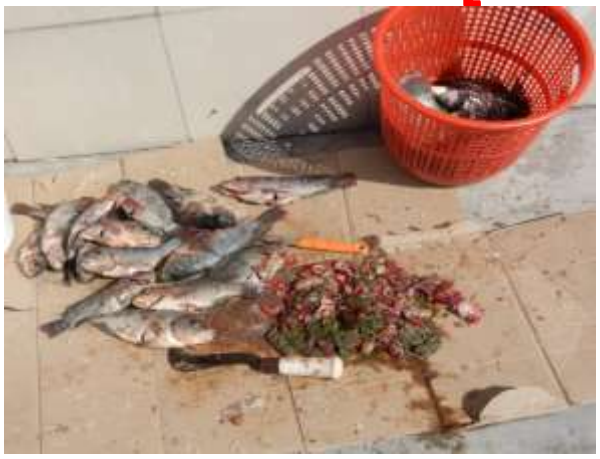
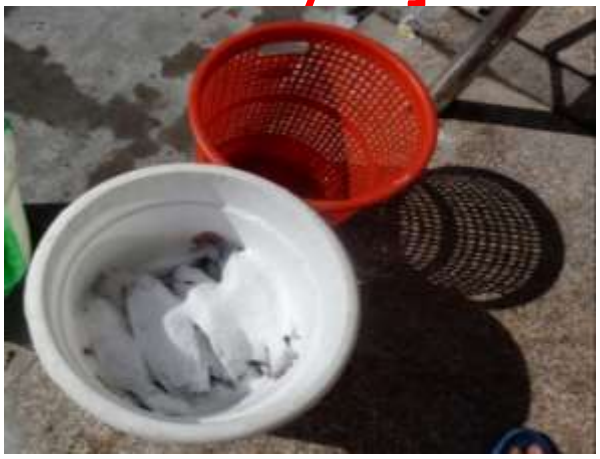


Culture of Amur Carp

OFT Discipline : Fisheries

Crop / Enterprise	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters of assessment/refinement and its data in bracket	Prdn. per unit crop/ enterprise	Net return (Rs/Ha)	B:C Ratio
Processing and Value addition	Unhygienic method of fish preservation	Low cost Solar Fish dryer	Low cost solar fish dryer	**04**	**Technology**	**Technology**		
					% Waste materials (Gills, Gut): 35-40	**Capacity:** 15-20 kg raw fish 4.5- 5 kg dried fish **COST PER CYCLE (Rs.)** **Total Cost: 2000** **Total Return: 3840** **Net Profit: 1840**	1840/cycle	1.92
					Time required for drying: 16 sun shine hrs			
					% Quantity output of dried fish : 22-26			
					Maximum Temperature Recorded : 56 ^{0}C			
					Moisture reduction capacity: 60-65 %			
					B:C ratio:			
					Farmer Practice	**Farmer Practice**		
					Time required : 4-5 days.	**Simple sun drying**		

OFT Discipline : Fisheries [Solar Fish Dryer]




OFT Discipline : Agril. Engg.

Name of Farm implement/ tools	Problem diagnosed	Name of Technology	No. of trials	Parameters on Assessment/ Refined		% change/ increase in the parameter over Farmer practice	Remark
				Parameter	Result on parameters		
Low cost portable cardamom dryer	Poor (charred and blackened) quality product, more laborious & time consumption during drying , require large quantity of fuel wood and high loss due to poor post harvest management.	Introduction of low cost cardamom dryer for drying of large cardamom .	02	1.Moisture content (initial & final) % 2.Temperature inside out side of the dryer (°C) 3.Drying time (hr) 4. Total fuel wood consumed 5. Quality of dried product.	1. IMC= 83% FMC= 11% 2. OT=31°c IT=78°c 3. DT= 11hrs/10kg 4. 15 kg 5. Good color	1.FMC =26.66 2. Drying Temp=56 3. DT=45 4. FWC= 62.5	Drying time and quality of dried product is better than traditional method can be popularize among small cardamom grower in the dist.
				Farmer Practice	Farmer Practice		
				1. MC -final 2. Temperature of drying. 3. Drying time 4. Total fuel wood consumption 5. Quality of dried product	1. IMC= 83% FMC= 15% 2. Temp. of drying= 50°c. 3. Drying time =20 hrs./10 kg 4. Total fuel wood consumption = 40 kg (10kg cardamom) 5. Not good		

OFT on Low cost portable cardamom dryer

Fig. 1: Placing of fresh Cardamom into the dryer

Fig. 2: Heating of dryer using smokeless chulha

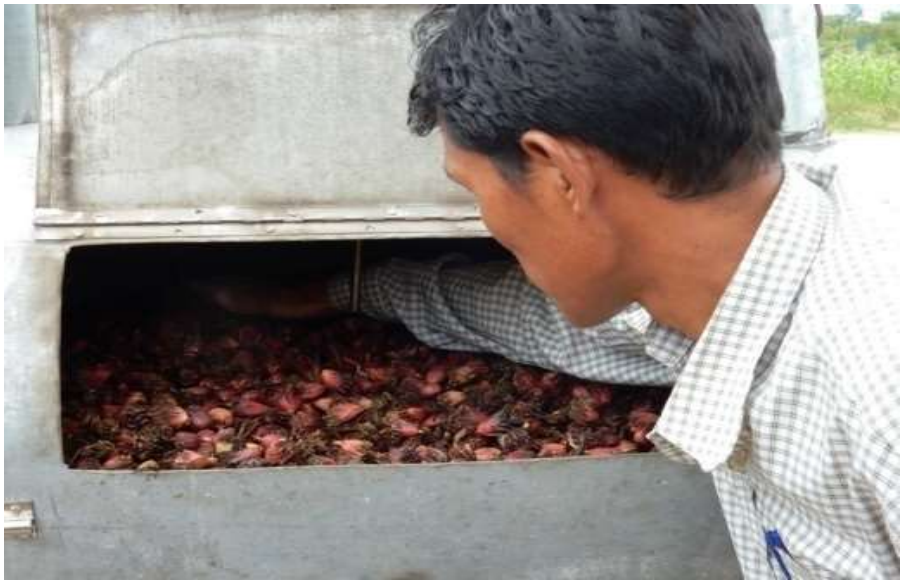


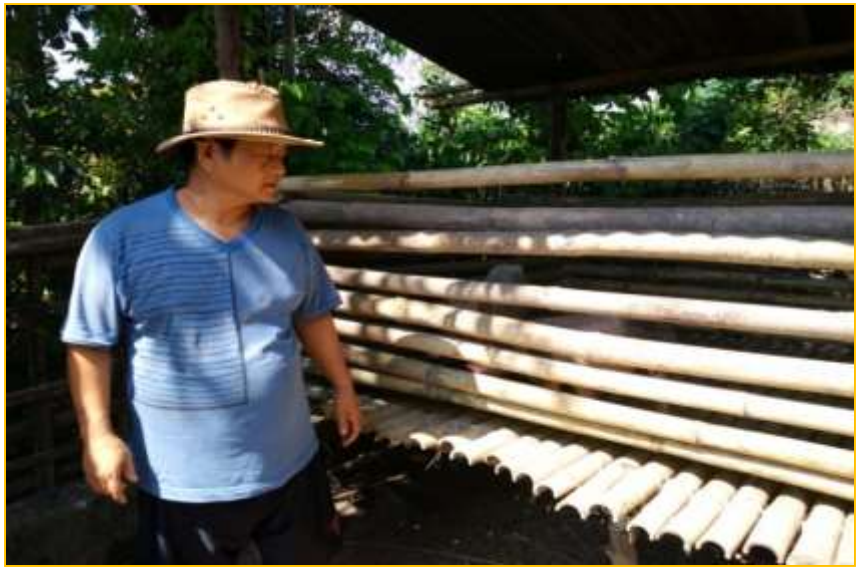
Fig. 3: Churning of cardamom at every 30 min interval.

Fig. 4: View of well dried cardamom

OFT Discipline : Vety. & Animal Sc.

Livestock	Problem diagnosed	Technology (give details)	Title of OFT	No. of trials	Parameters on Assessment/ Refined (Pl. mention)	Prdn. per unit livestock/enterprise	Net return (Rs/ Unit)	B:C Ratio (GR/ GC)
Pig	Poor growth performance of local pig and non-availability of improve breed of pigs.	Rearing of Large White Yorkshire crossbreed with scientific feeding	Introduction of Large White Yorkshire cross breed	**05**	**Technology** 1. Average body weight gain at six month: 40kg 2. Mortality: 10% **Farmer Practice:** Traditional practice of rearing local pig	On going **Farmer Practice:** 1. Average body weight gain at six month: 25kg		
Poultry	Poor growth performance of broiler	Supplementing of ground garlic @ 0.3% from 15days onwards.	Effect of dietary garlic supplementation on broiler performance	**03**	1. Feed intake g : 3792 2. Weight gain g: 1690 3. Feed conversion: 2.24 **Farmer Practice:** Feeding of starter and finisher ration broiler ration	**Farmer practice:** 1. Feed intake g : 3550 2. Weight gain g: 1500 3. Feed conversion: 2.36		

OFT Discipline : Vety. & AH



Distribution of piglet to farmers

Large white Yorkshire cross breed at 3 month

OFT on Introduction of Large White Yorkshire cross breed

OFT Discipline : Vety. & AH

OFT on

Effect of dietary garlic supplementation on broiler performance

OFT Discipline : Home Sc.

Crop/ Livestock/ Other enterprise	Problem diagnosed	Technology/ methodology / Social Concept	Title of OFT	No. of trials	Parameters on Assessment / Refined (Pl. mention with tick)	Results on selected Parameters	% increase/ Change in parameters (Remark)
Seasonal exotic vegetables **water harvest tank,** **compost unit**	Non availability / accessibility of variety in diet, water scarcity and house hold waste management	Feasibility of growing exotic vegetables in East Siang district condition	Introduction of exotic vegetables (broccoli, cherry tomato, lettuce, red cabbage, chard, bok choi, arugula) in Nutritional gardening	05	1.Acceptability by consumers/ Farmers. 2.Suitability and viability of the exotic crop in the district.	The farmers liked the cherry tomato for the sweet taste. As well as broccoli, chards, lettuce, red cabbage and bok choi were well accepted however, Arugulla, due to strong smell the farmers did not like it.	There is no farmer practice for comparison as the farmers do not cultivate these crops. Need for popularization and awareness of exotic vegetables, its nutritional benefits and importance of variety in diet.
					Farmer Practice		

Broccoli

Chard

Romaine Lettuce

Red cabbage

Arugula

Cherry tomato

Exotic vegetables under trial

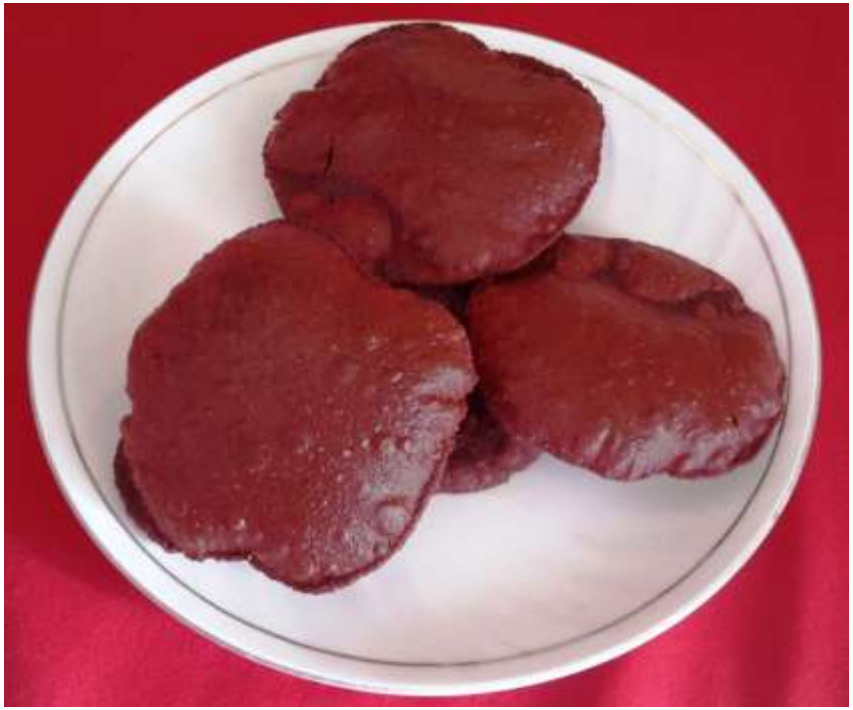
OFT Discipline : Home Sc.

Crop/ Other enterprise	Problem diagnosed	Technology / methodology/ Social Concept	Title of OFT	No. of trials	Parameters on Assessment/ Refined	Results on selected Parameters	% increase/ Change in parameters
Tuber Crop Beetroot	Excessive post harvest loss , lack of storage facility	Processing and preservation of tuber crops	Processing of roots and tubers into products using locally available variety (chips, beverages, noodles, papad, flour)	**02**	1. Suitability of the locally available variety for processing 2. Acceptability and marketability 3. Shelf life.	The locally available variety of beet root can be dehydrated and made into powder/ flour which can be consume by incorporating in milk or other beverages, poori in the ratio of 1:2, and noodles in the ratio of 1:3. Keeping time of the flour in air tight container is 1 month or less. More trials need to be carried out for shelf life.	There is no farmer practice for comparison as the farmers do not prepare such products
					Farmer Practice		

Fresh Beetroot

Dehydrated Beetroot

Powder/ Flour

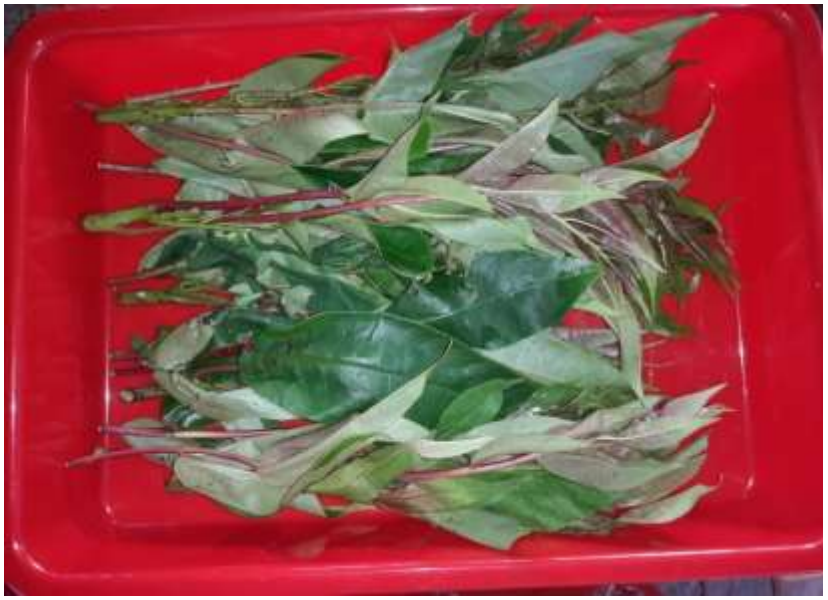


Poori made with beetroot in the ratio of 1:2

Noodles in the ratio of 1:3

OFT Discipline : Home Sc.

Crop/ Livestock /Other enterprise	Problem diagnosed	Technology / methodology/ Social Concept	Title of OFT	No. of trials	Parameters on Assessment/ Refined (Pl. mention with tick)	Results on selected Parameters	% increase/ Change in parameters (Remark)
Storage	Excessive post harvest loss, lack of storage facility	Effectiveness of evaporative cool chamber in East Siang district	Effectiveness of evaporative cool chamber in East Siang district for storing locally consumed leafy vegetables	02	1. Suitability of the technology for locally consumed vegetables 2. Shelf life.	The technology was found suitable for the local vegetables where the shelf life of the vegetables can extended by 5 -7 days	200% Shelf life: Increased by 5-7 days
						Farmer Practice	
						Farmers sale their harvest directly	



Local vegetables kept in cool chamber where the shelf life can be extended

FLD

FLDs (Discipline-Wise Summary)

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for shortfall, if any
			Target	Achievement		
Agronomy	Rice	01	50	50	100	
Agronomy	Rice	01	25	25	100	
Agronomy	Maize	01	10	10	100	
Agronomy	Toria	01	45	45	100	
Plant Protection	Rice	01	10	10	100	
Plant Protection	Citrus	01	05	05	100	

FLDs (Discipline-Wise Summary)

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for shortfall, if any
			Target	Achievement		
Horticulture	Brinjal	**01**	**10**	**08**	**80**	
Horticulture	Tomato	**01**	**10**	**08**	**80**	
Horticulture	Pea	**01**	**25**	**25**	**100**	
Fisheries	Semi intensive culture of carps	**01**	**05**	**05**	**100**	
Fisheries	Carp farming	**01**	**10**	**08**	**80**	Availability of seed
Fisheries	Rice-Fish Farming	**01**	**05**	**05**	**100**	

FLDs (Discipline-Wise Summary)

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for shortfall, if any
			Target	Achievement		
Agril. Engg.	Vertical Conveyor Reaper	01	04	03	75	Due to movement problem of machine from one place to another.
Agril. Engg.	Automatic Manual Seed Drill	01	03	02	67	Due to breakdown of one parts of the machine.
Agril. Engg.	Gravity Fed Drip System	01	02	01	50	Non receipt of the drip in time.
Agril. Engg.	Low Cost Polyhouse	01	05	05	100	-

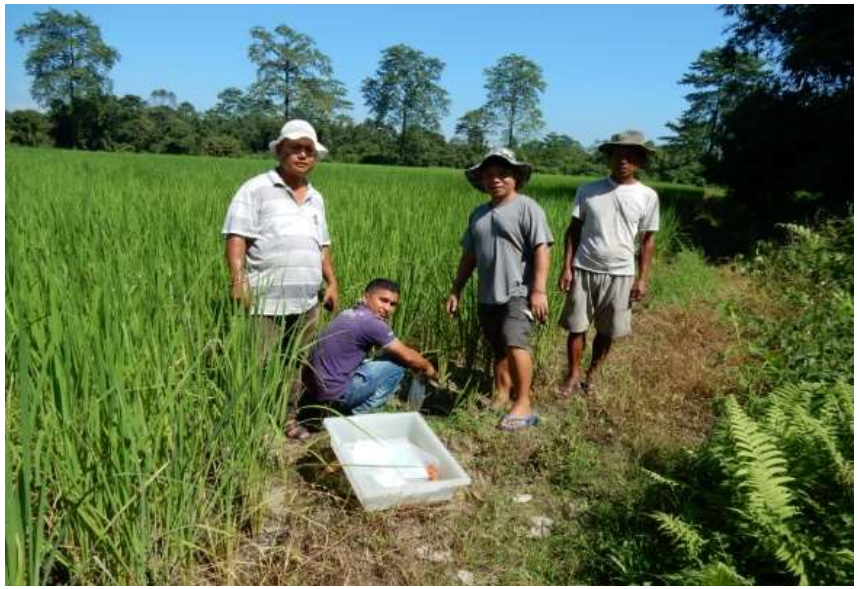
FLDs (Discipline-Wise Summary)

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for shortfall, if any
			Target	Achievement		
Vety. & AH	Poultry	01	05	180	362	
Vety. & AH	Poultry	01	03	03	100	
Vety. & AH	Housing of poultry	01	03	03	100	
Home Sc.	Nutritional garden	01	07	07	100	
Home Sc.	Drudgery reduction	01	04	04	100	
Home Sc.	Drudgery reduction	01	04	04	100	
Home Sc.	Drudgery reduction	01	05	05	100	
Home Sc.	Beehive briquette	01	03	03	100	
Total						

FLDs Discipline: Agronomy

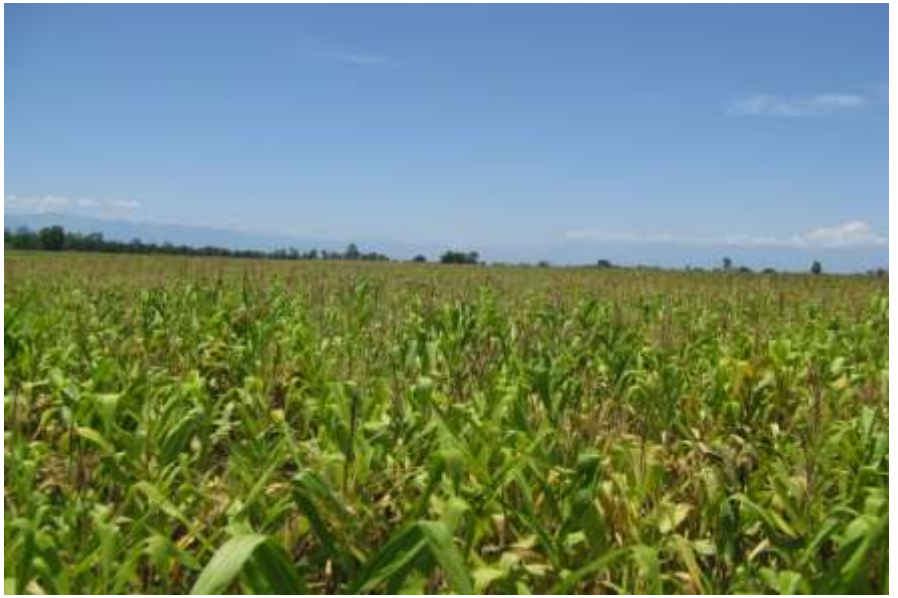
Crop Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase / change in avg. yield over local	Gross Cost (Rs/Ha)/ (Rs./ unit)	Gross Return (Rs/Ha) / (Rs./ unit)	Net Return (Rs/Ha) / (Rs./ Unit)	B:C Ratio (GR/GC)
		H	L	A	(Qt/ Ha)	%				
Rice	Performance of Rice Var.CAU-R1	59.6	44.6	52.1	44.8	16.2	40000	62520	22520	1.56
Rice	Seed production CAU R-1	51.2	49.4	50.3	-	-	45000	100600	55600	2.24
Maize	Varietal evaluation RCM 1- 76	74.6	69.84	72.22	56.6	27.59	46000	101108	55108	2.1
Toria	Toria Var. TS-38	6.8	6.0	6.4	5.1	25.4	10000	19200	9200	1.9

FLD on Rice Var. CAU R-1



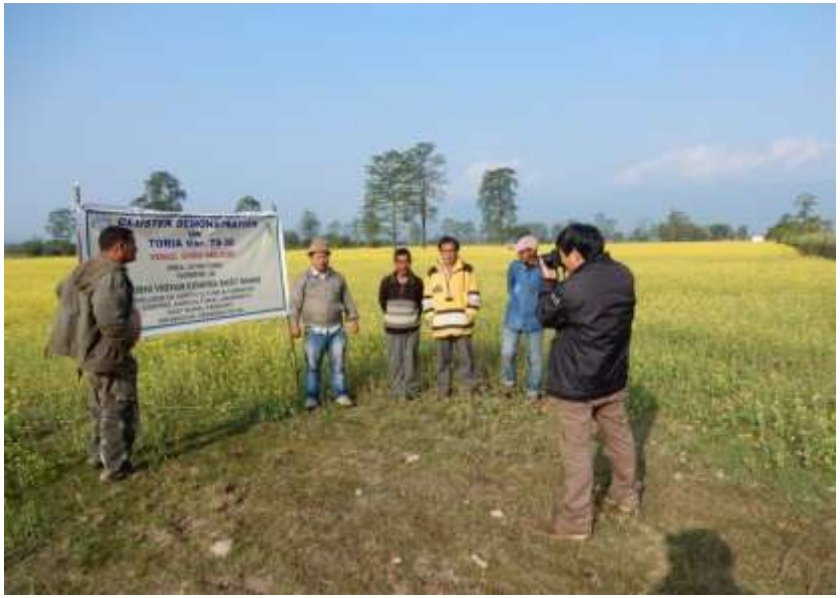
FLD programme on Rice Var. CAU R1

FLD on Maize Var. RCM 1-76



Cluster Demonstration on Toria Var. TS-38

Field day on Toria Var.TS-38



DDK programme on Toria Var.TS-38 at Gobo village

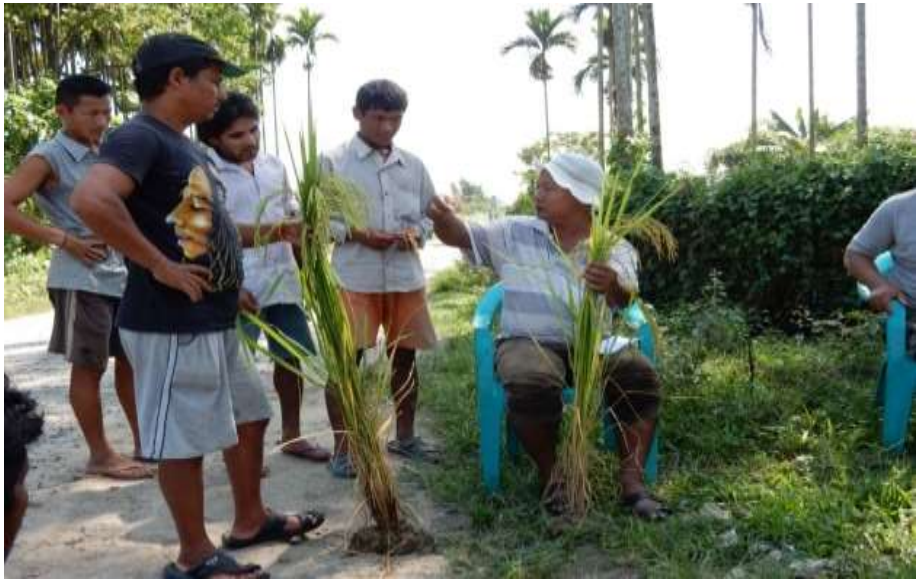
Demonstration on yellow sticky trap for aphid management under Cluster demonstration

FLDs Discipline: Plant Protection

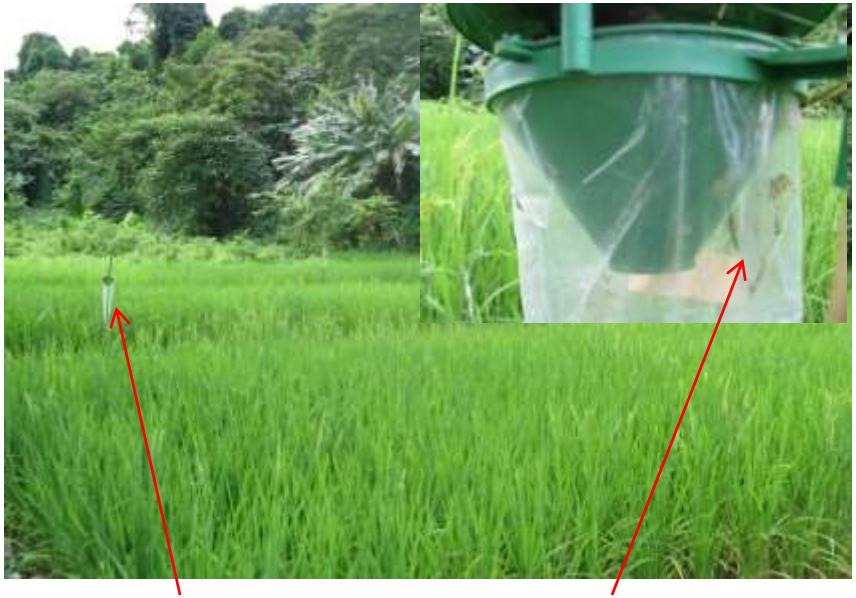
Crop Enterprise	Technology demonstrated	Demonstration Yield (q/Ha)			Yield of local Check	% increase/ change in avg. yield over local	Gross Cost (Rs/Ha)/ (Rs./ unit)	Gross Return (Rs/Ha) / (Rs./ unit)	Net Return (Rs/Ha) / (Rs./ Unit)	B:C Ratio (GR/GC)
		H	L	A	(q/ha)	%				
IPM Rice	Seed treatment *Pseudomonas floresence* @ 8g/kg. *Trichograma japonica* & T chilonis @ 1 lakh/ha 15 days gap from 30 DAT Alternate wetting and drying of field Installation of gundhi bug trap @ 10m interval, spray Neem peaticide @ 2.5 lit/ha	51.2	42.8	49.2	44.8	9.82	42000	59040	17040	1.4

FLD: Integrated Pest Management in Rice

Dislodging Caseworm



Farmers orientation



Pheromone trap

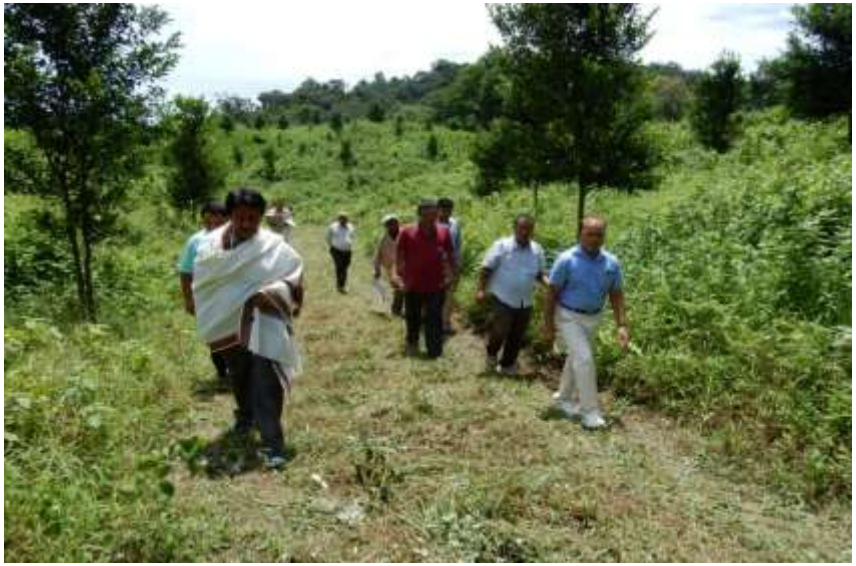
Trapped SB

Release of bioagent *Trichogramma japonicum*

FLDs Discipline: Plant Protection

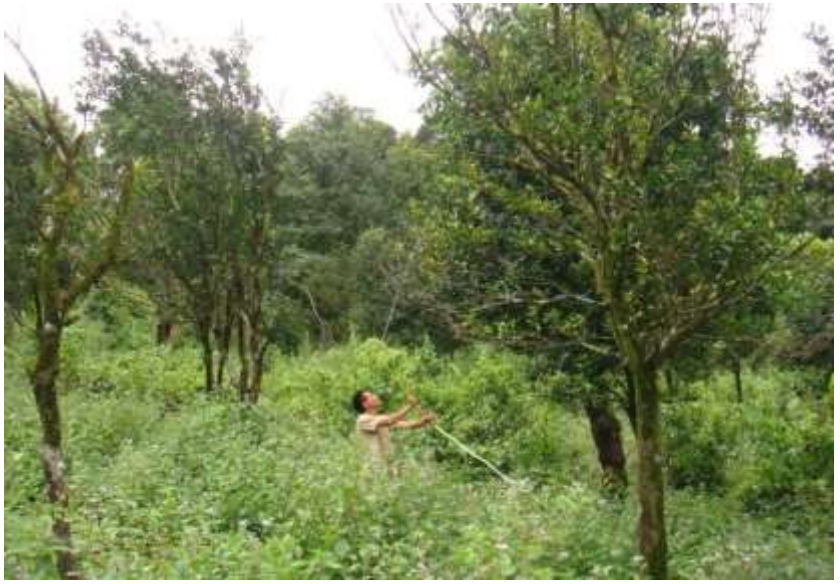
Crop Enterprise	Technology demonstrated	Demonstration Yield (q/Ha)			Yield of local Check	% increase/ change in avg. yield over local	Gross Cost (Rs/Ha)/ (Rs./ unit)	Gross Return (Rs/Ha) / (Rs./ unit)	Net Return (Rs/Ha) / (Rs./ Unit)	B:C Ratio (GR/GC)
		H	L	A	(q/ha)	%				
Citrus	Management of Citrus fruit drop; Spraying of 2,4,D (Dichloro-phenoxy-acetic acid) @ 15ppm in May, June and August			Av. No of fruit drop/ plant May : 55 June: 24 August: 09	Av. No. of fruit drop/plant May :97 June: 57 August : 40	53.35%, 13.68% and 3.6% reduction in fruit drop in month of May, June and August	210 per plant	984 (19.68 Kg/ plant	684 per plant	4.68 per plant

FLD on Citrus Fruit Drop Management



VC,CAU visit experiment site

Scheduled Spraying of 2,4 D



Training cum demonstration on Citrus Fruit Drop Management

FLDs Discipline: Horticulture

Crop Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase / change in avg. yield over local	Gross Cost (Rs/Ha)/ (Rs./ unit)	Gross Return (Rs/Ha) / (Rs./ unit)	Net Return (Rs/Ha) / (Rs./ Unit)	B:C Ratio (GR/GC)
		H	L	A	Qt/Ha)	%				
Brinjal	Varital Evaluation Var. Swarna Pratiba	142.5	117.5	135.0	107.5	25.58	50000	108000	108000	2.16
	Var. Swarna Syamali	132.5	112.3	127.4	107.5	18.51	50000	101920	101920	2.03

FLD on Brinjal Var. Swarna Shyamali and Swarna Prathiba

View of FLD on Brinjal at Sille Village (Var. Sawarna Pratibha)

View of FLD on Brinjal at Sikatode Village (Var. Swana Syamali)

FLDs Discipline: Horticulture

Crop Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase/ change in avg. yield over local	Gross Cost (Rs/Ha)/ (Rs./ unit)	Gross Return (Rs/Ha) / (Rs./ unit)	Net Return (Rs/Ha) / (Rs./ Unit)	B:C Ratio (GR/GC)
		H	L	A	Qt/Ha)	%				
Tomato	Varietal evaluation Var. RCT-9	150	127.5	149.7	117	27.7	55000	149700	94700	2.72
	H-86	160.5	138.5	152.0	117	29.9	55000	152000	97000	2.76

FLD on Tomato Var. RCT-9 and H-86

Seedling root dip treatment with *Pseudomonas florescence*

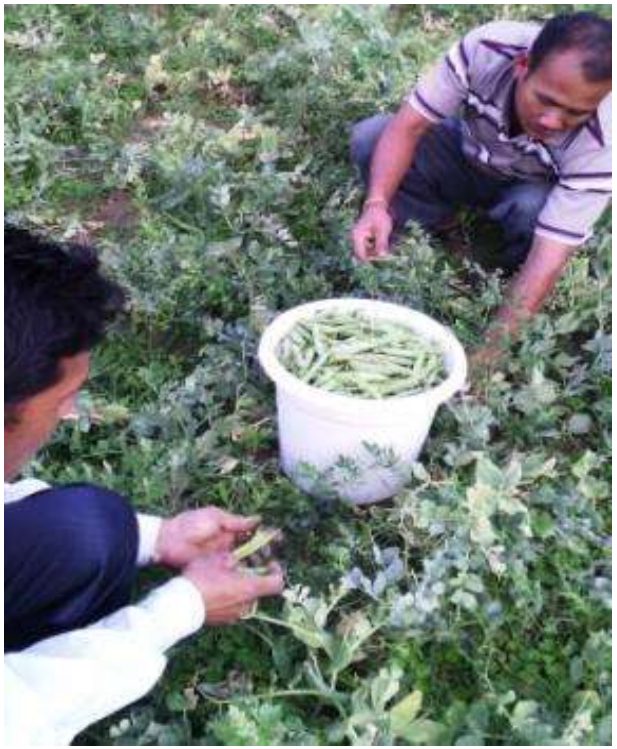
Transplanting treated seedling

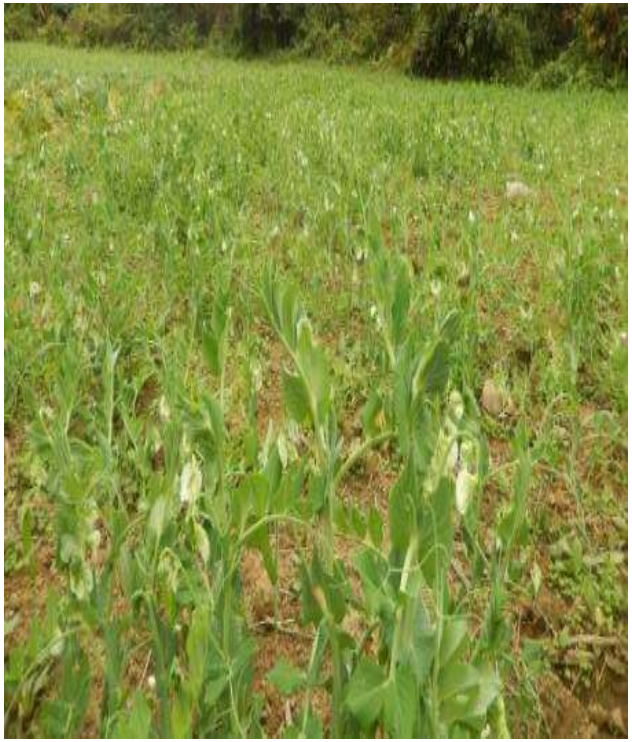
Tomato Crop at Sikatode village

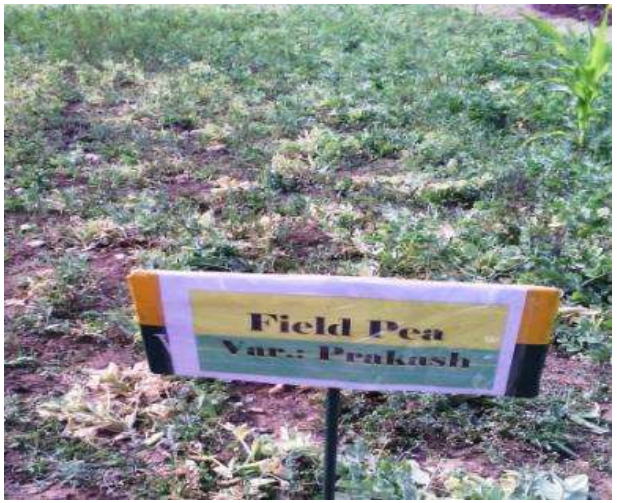
FLDs Discipline: Horticulture

Crop Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase/ change in avg. yield over local	Gross Cost (Rs/Ha)/ (Rs./ unit)	Gross Return (Rs/Ha) / (Rs./ unit)	Net Return (Rs/Ha) / (Rs./ Unit)	B:C Ratio (GR/GC)
		H	L	A	Qt/Ha)	%				
Pea	Varietal evaluation Var. Prakash	66.5	62.5	65.0			78000	260000	182000	3.3
	Azad pea-1	-	-	-	59.0	0.1	78000	236000	158000	3.02
	Arkel	-	-	-	57.0	0.14	78000	228000	150000	2.92
	Monstar F1	-	-	-	62.0	0.04	80000	248000	168000	3.1

FLD on Pea






Field Pea
Var.: Prakash

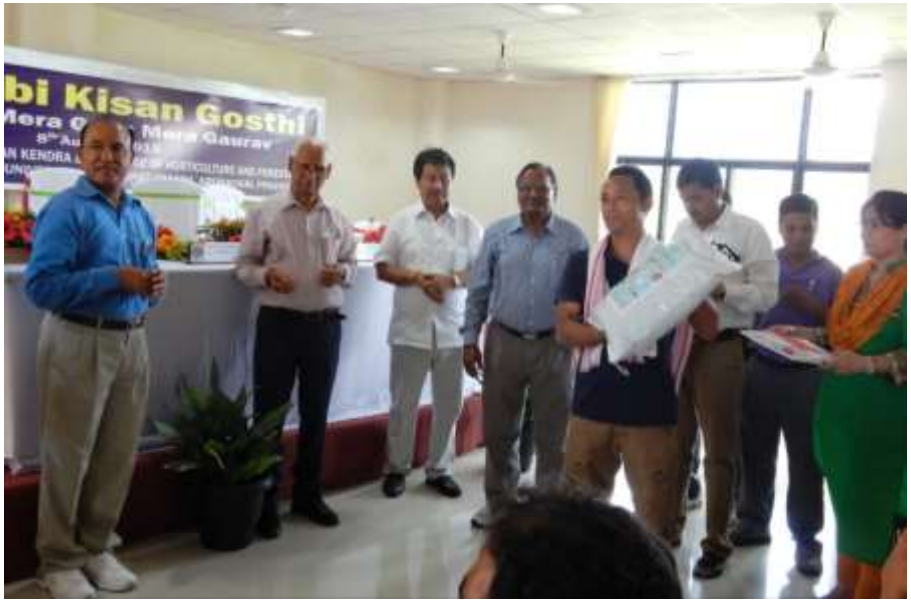

Field Pea
Var.:Azad Pea-1


Field Pea
Var.: Arkel

FLD Discipline: Fisheries

Enterprise	Breed	No. Of farmers	No. Of animals/ poultry birds etc.	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
Feeding of Balanced Feed/ Semi intensive Fish Farming System	Indian Major Carps and Common Grass and Silver Carp	05	10000/ ha	Yield: 24.72 (q/ha) B:C Ratio: 2.13	24.72 (q/ha)	19.74 (q/ha)	25.2	

FLD on Floating Pelleted Fish Feed



Feed Distribution Programme

Feeding with floating feed at Sille Village

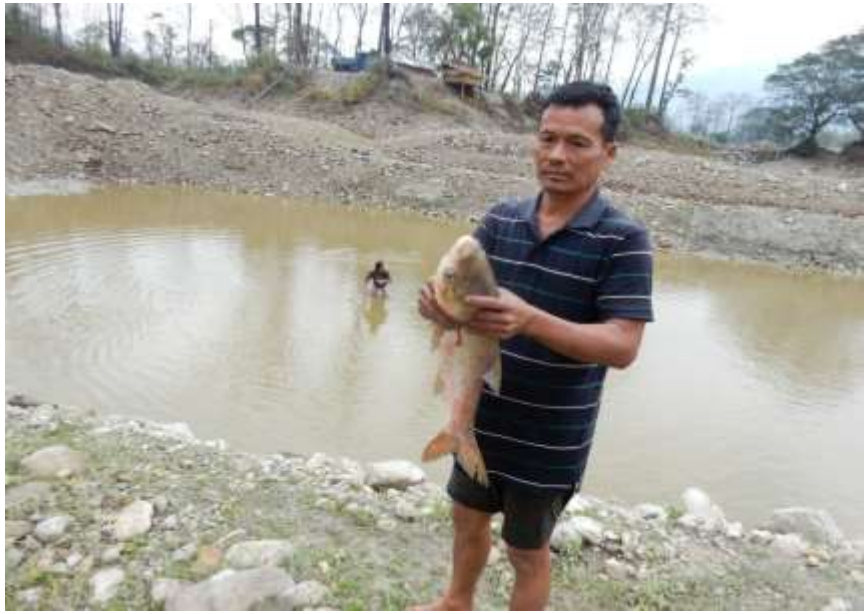
Produce from Raling village

Harvesting at Tabi village

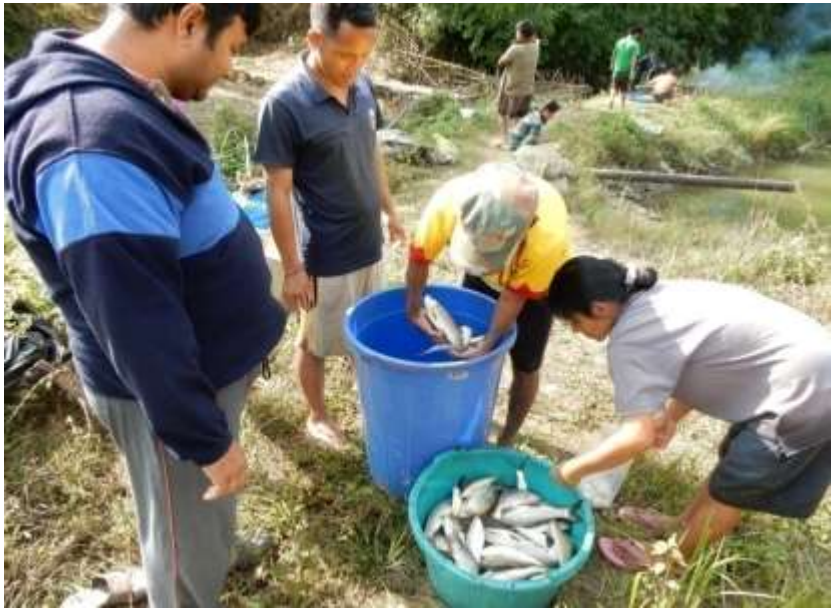
FLD Discipline: Fisheries

Enterprise	Breed	No. Of farmers	No. Of animals/ poultry birds etc.	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
Composite Fish Farming	Six species of fish culture in ponds (2 Rohu : 2 Catla : 1.5 Mrigal : 2 Silver Carp: 1 Grass Carp : 1.5 Common Carp	08	8000/ha	Yield: 24.72 (q/ha) B:C Ratio: 2.13	19.76 (q/ha)	9.04 (q/ha)	118.6	

FLD on Composite fish farming system

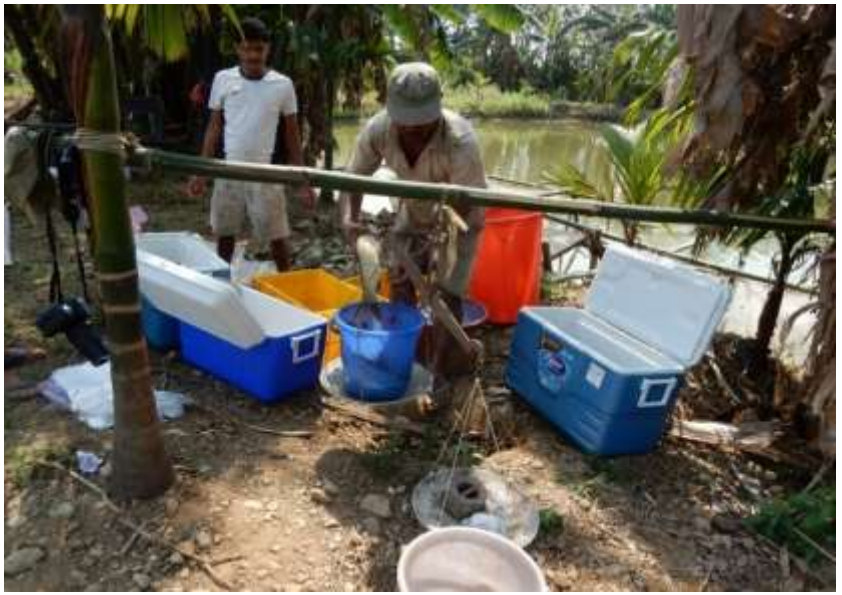


Ayeng village



Mangnang Village

Farm women with produce

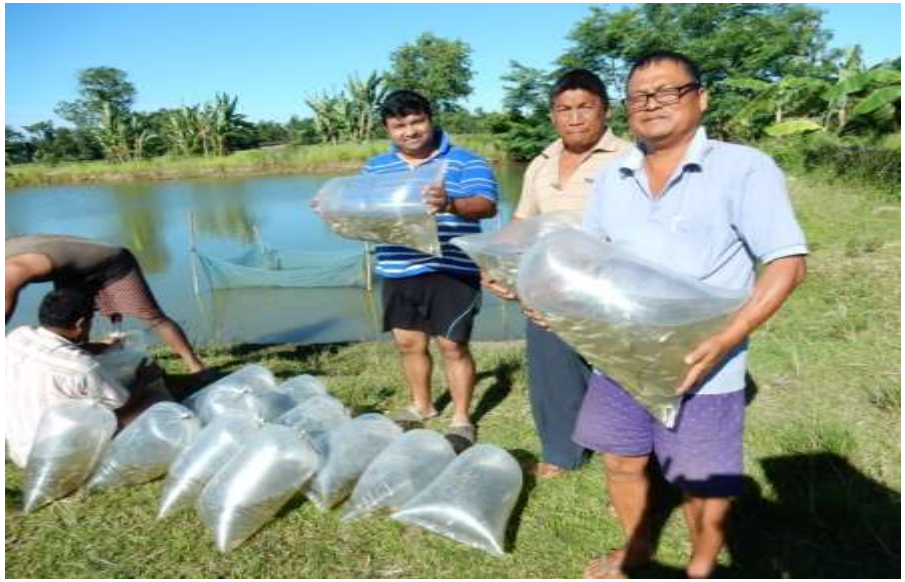


Harvesting and sale of fishes at Tabi village

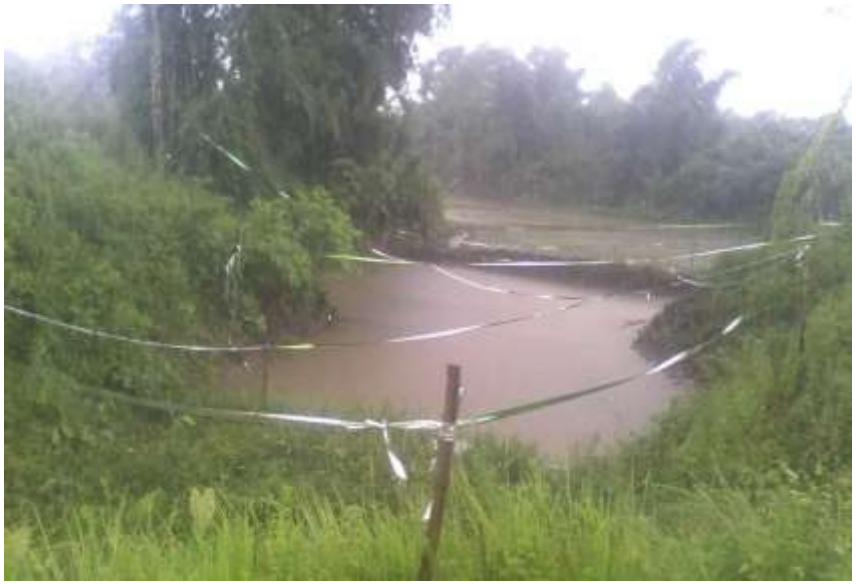
FLD Discipline: Fisheries

Enterprise	Breed	No. Of farmers	No. Of animals/ poultry birds etc.	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
Integrated Rice cum fish culture	Three species of IMC (Rohu, Catla and Mrigal) and two species exotic carps (Silver carp and Common carp)	05	10,000 nos./Ha	Additional Fish Yield: 3.82 q/Ha B:C Ratio 2.61	Yield (q/Ha) 3.82 (50.65)	Yield (q/Ha) NA (45.50)		

FLD on Rice-Fish farming system



Transportation of Advance Fry



At Seren village with bird scarrer ribbon

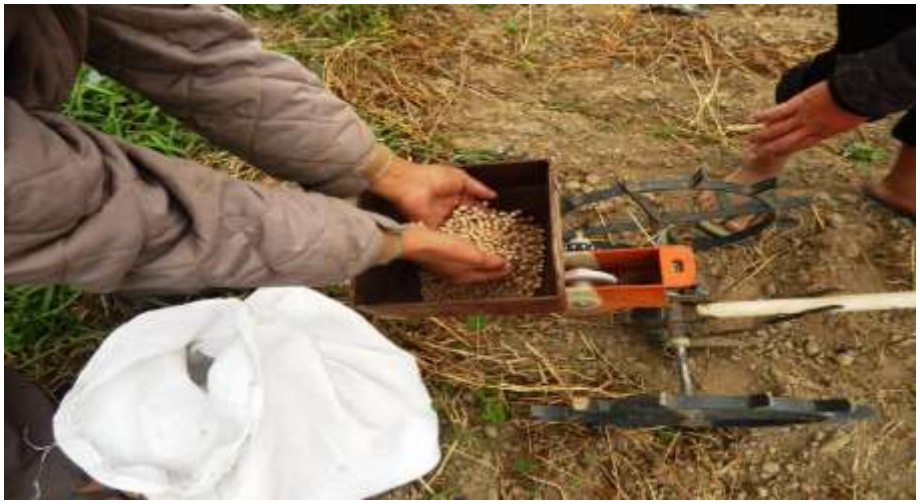
FLD site at Ayeng village

Harvested Fishes

FLDs Discipline: Agril. Engineering

Name of Implement	Crop	No. of farmers	Area (ha)	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
1. Automatic manual seed drill	Field pea	15	01	1.Plant density /m² 2.Field Capacity ha/hr 3.Labour requirement man-hr/ha 4. Cost of operation/ha 5.Yield q/ha 6. BC ratio	1. Plant density- 24/m² (30/20 spacing), 2. FC=0.04 ha/hr 3. LR=32man-hr/ha 4. CO= Rs.1500 /ha 5.Yield=90q/ha 6. BC ratio=2.6	1. Not maintained 2. FC=0.02ha/hr 3. LR=48 man-hr/ha 4. CO= Rs.5000/ha 5. Yield=86q/ha 6. BC ratio=2.2	- 1. FC=100 2. LR=33 3. CO= 70 4. Yield= 4.65 5. BC ratio = 18.18	Uniform seed distribution, saved seed 15-20%, recommended for small farmer's particularly.
2. Vertical Conveyor Reaper	Paddy, Mustard , Niger	30	04	1.Field Capacity ha/hr 2.Labour requirement man-hr/ha 3.Cost of operation/ha	1.Field Capacity =0.25 ha/hr 2.Labour requirement =10 man-hr/ha 3.Cost of operation=Rs 3750/ha	1.Field Capacity =0.02ha/hr. 2.Labour requirement =160man-hr/ha 3.Cost of operation=Rs 8000/ha	1. FC=1150 2. LR=94 3. CO= 53.12	Less drudgery, less time consumption, less man power & well accepted by farmer's need to be popularized in the valley area of district.

FLD Agril. Engg.: Automatic manual seed drill



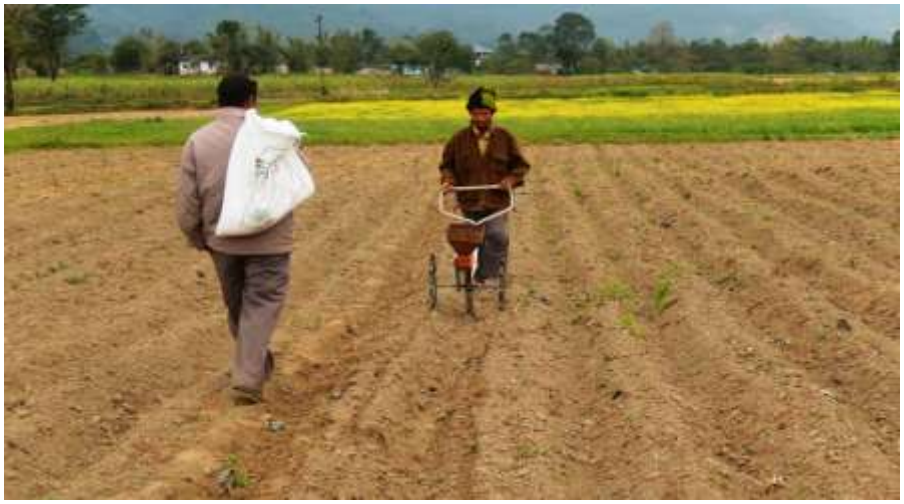


Fig.1: Sowing of cow pea using automatic manual seed drill at GTC Farm, Pasighat

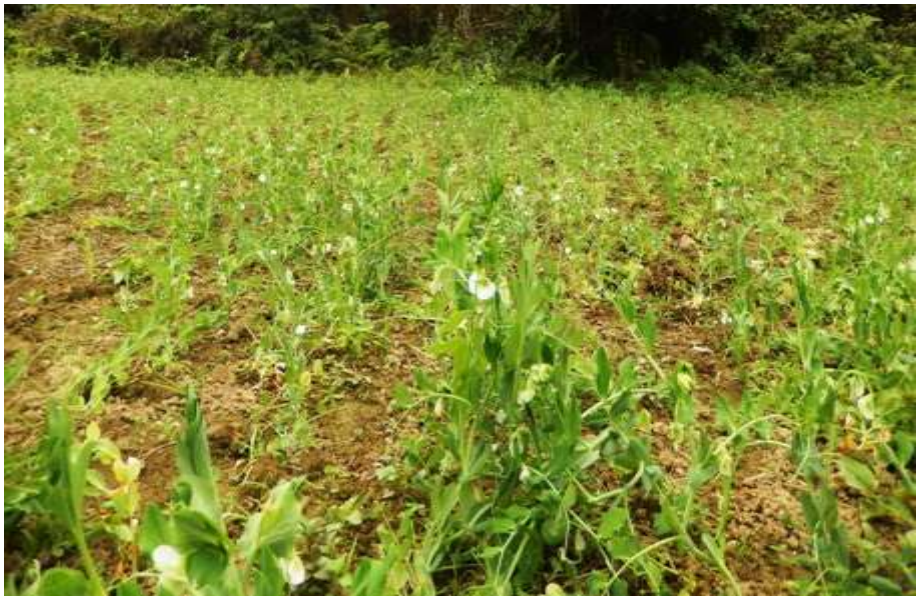


Fig.2: Flowering stage of field pea.

Fig.3: Mature field pea crop ready for harvesting

FLD Agril. Engg.: Vertical Conveyor Reaper (VCR)

Fig.1: Harvesting of paddy using VCR at Ledum Village.

Fig.2: Harvesting of paddy using VCR at Rani Village.

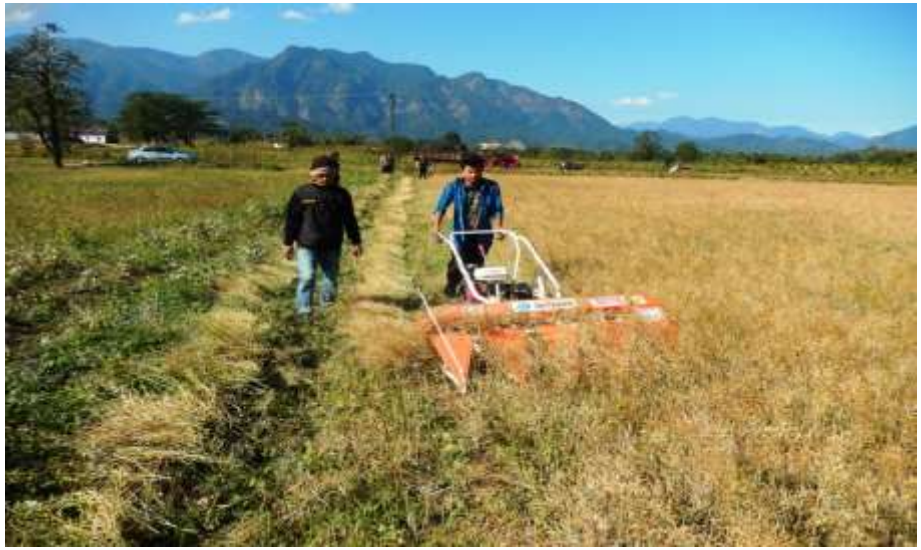


Fig.3: Harvesting of mustard crop using VCR at Sikatode Village.

Fig.4: Harvesting of niger crop using VCR at Takilalung Village.

FLDs Discipline: Agril. Engineering

Name of Implement	Crop	No. of farmers	Area (ha)	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
3. Gravity fed drip system	(i) Broccoli (ii) Tomato (iii)Cabbage	02	0.05(500 m²)	1.Irrigation efficiency(%) 2.Water saving (%) 3.Quality of product 4.Yield/ 500m² drip system. 5. B:C ratio	1. Irrigation Efficiency = 90% 2. Water Saving= 70% 3. Very good 4. With drip system (500m²) (i) Broccoli = 125 kg/150m² (ii) Tomato= 600 kg/200m² (iii) Cabbage= 480kg. /150m² 5. B.C ratio= 4.19	1. Irrigation Efficiency = 50% 2. Water Saving= 20% 3. Acceptable 4. Without drip system (500m²) (i) Broccoli 40kg/150m² (ii) Tomato= 165 kg/200m² (iii) Cabbage= 90 kg /150m² 5. B.C ratio= 2.8	1. IE= 80 2. WS= 250 4. Yield (i)Broccoli =212.5 (ii)Tomato= 263.63 (iii) Cabbage =433.33 5.B.C ratio= 280	
4. Low cost polyhouse .	1.Vegetabl Nursery-Tomato, Brinjal Cabbage, Cauliflower, Chili, Onion. 2.Crop Tomato, Lettuce, Capsicum, King chili,	05	0.005 (10x5)m, (5 unit)	1. Total cost. 2. Total return 3. Net Profit 4.Durability 5.Production/50m² 6. B:C ratio	**<u>Under polyhouse condition</u>** 1. TC=Rs.3429 2. TR= Rs.9600 3. NP=Rs.6171 4. Durability= 4yrs. 5. Production (i) Nurseries= 2500 nos. (ii) Crops a. Tomato=90kg b. Lettuce=60nos. c. King chilly=3.5kg d. Capsicum=30kg 6 . B.C ratio =2.79	**<u>Open condition</u>** 1. TC=Rs.1500 2.TR= Rs.2800 3. NP=Rs.1300 4. Production (i) Nurseries= Nil (ii) Crops a. Tomato=30kg b. Lettuce=20nos. c. King chilly=2kg d. Capsicum=10kg 6 . B.C ratio =1.86	1. TC= 56 (more) 2.TR= 243 3. NP= 375 (i) Crops a. Tomato=200 b. Lettuce=200 c. King chilly=75 d. Capsicum=200 6 .B.C ratio =50	Extra income of Rs.6000 to Rs.10000 can be generated in a season by spending Rs. 3500.

FLD Agril. Engg.: Low cost gravity fed drip irrigation

Fig.1: Laying of drip main & lateral pipes

Fig.2: Planting of vegetables nurseries on drip line

Fig.3: View of gravity fed drip irrigation

Fig.4: View of mature vegetables crops

FLD Agril. Engg.: Low Cost Polyhouse

Fig.1: View of low cost polyhouse at Ayeng Village

Fig.2: View of low cost polyhouse under construction at Kakki Village

Fig.3: Vegetables crops under polyhouse at Ayeng Village

Fig.4: Lettuce crop under polyhouse

Fig.5: Tomato crop under polyhouse

Fig.6: Capsicum under polyhouse

FLDs (Achievements): Vety. & AH

Enterprise	Breed/Technology demonstrated	No. Of farmers	No. Of animals/ poultry birds etc.	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		Remarks
					Demo	Local	
1. Poultry	**Dual purpose Vanaraja Bird**	181	2000 Vanaraja	- Average body wt. gain in 6month : -Average Age at first laying : - Average egg production in first month -	2.7kg 22wks 24nos	1.5kg 23.5wks 13nos	Farmers showed great satisfaction for Vanaraja bird
				Disease Susceptibility:	Prone to Ranikhet & Fowl pox		
2. Poultry	**Artificial brooding of chicks up to 4-5weeks**	03	-	Average body wt gain of local chicks at 5 weeks: Diseases incidence: Mortality:	165g 10% 7%	140g 30% 18%	
3. Poultry Housing	**Low cost poultry house**	03	-	Diseases incidence: Mortality:	22% 17%	38% 26%	

FLD on Popularization of Vanaraja bird

Vanaraja eggs

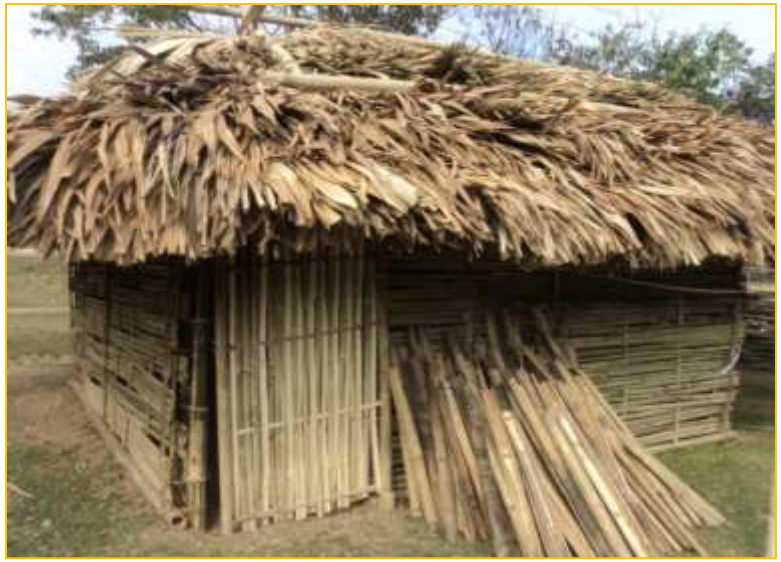
Distribution of Vanaraja

Monitoring of Vanaraja

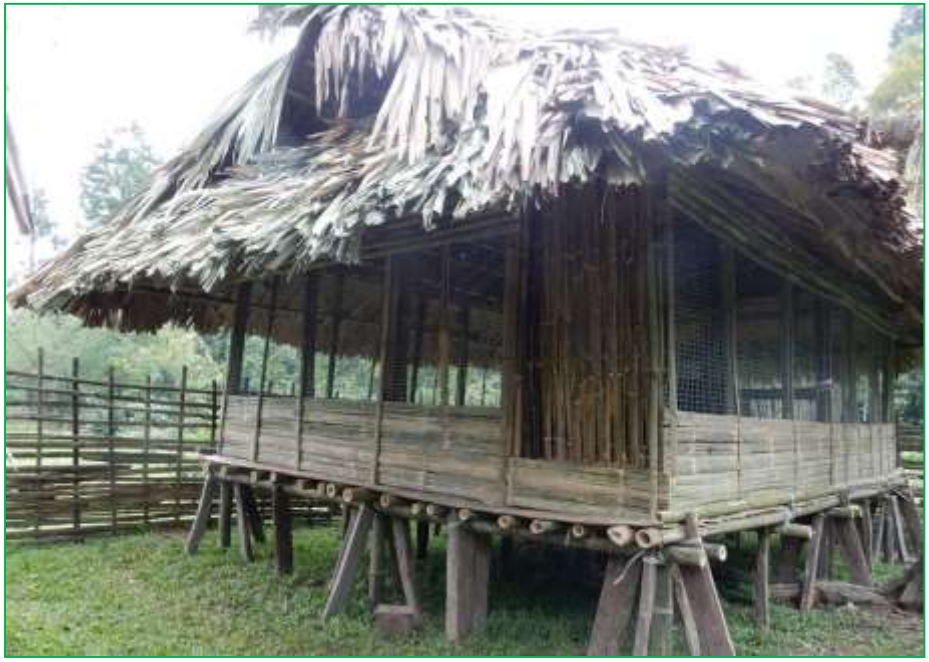
FLD on introduction artificial brooding of chicks up to 4-5 weeks

Artificial brooding of chicks at farmers field

FLD on low cost poultry house for small scale poultry farming



Traditional/ local poultry house



Low cost technology poultry house made of locally available bamboo and toko patta

FLD Discipline: Home Science

Enterprise	Technology	No. Of farmers/ Farm Women	No. Of Units/ Item etc.	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
Kharif and Rabi vegetables	**Promotion of proper intake of balance diet through nutritional gardening**	**07**	**07**	1.Balance diet intake 2.Health status 3.% of reduction in daily expenditure	Increase in intake of variety of vegetables. Decrease in incidence of illness in particular Anaemia Decrease in expenses on vegetables.		1. 40% 2. 20% 3. 60%	There is a need for further promotion as large no. of household s are still unaware of its benefits

FLD Home Science:
Nutritional gardening for ensuring nutritional security for farm family

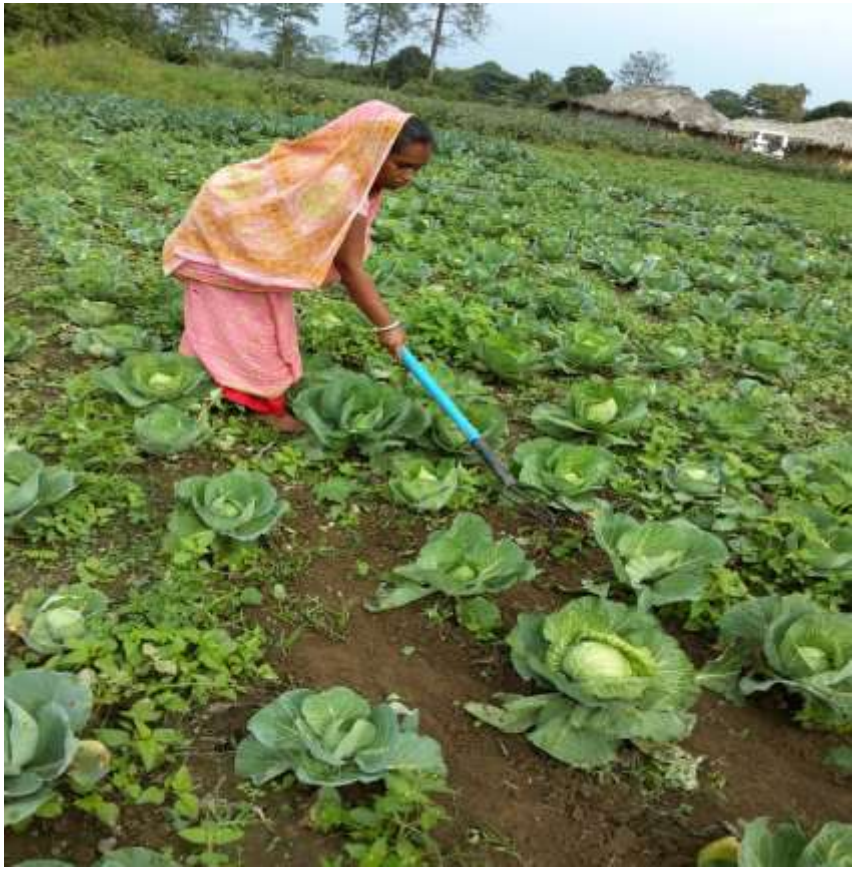
Nutritional garden at different locations

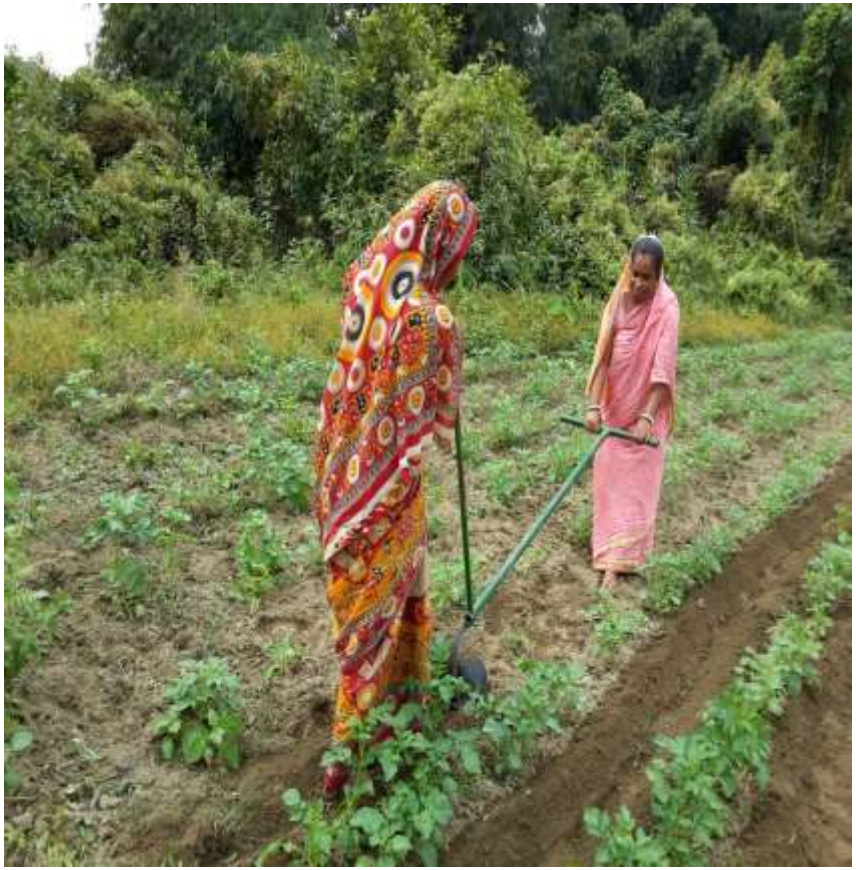
FLD Discipline: Home Science

Enterprise	Technology	No. Of farmers/ Farm Women	No. Of Units/ Item etc.	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
Drudgery reduction (vegetables)	Popularization of manual grubber weeder for drudgery reduction	04	04	Heart rate (beat/ min) Work output/ha/hr	Heart rate (beat/ min): 124 Work output/ha/hr: 0.006	Heart rate (beat/ min): 139 Work output/ha/hr:0.002	Heart rate (beat/ min): decrease by 7% Work output/hr: 200%	There is mark a reduction is drudgery over the local or conventional method of weeding, harvesting and ridge making. The equipment can be further popularized for greater awareness and wide adoption

FLD Discipline: Home Science

Enterprise	Technology	No. Of farmers/ Farm Women	No. Of Units/ Item etc.	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
Drudgery reduction (potato and vegetables)	**Popularization of ridge maker for drudgery reduction**	04	04	Heart rate (beat/ min) Work output/ha/hr	Heart rate (beat/ min) (Pulling): 123 Heart rate / min (Guiding): 113 Work output/ha/hr: 0.033	Heart rate (beat/ min): 140 (using fauda) Work output/ha/hr : 0.010	Heart rate (beat/ min): decrease by 11% Work output/ha /hr: 230%	There is mark a reduction in drudgery over the local or conventional method of weeding, harvesting and ridge making. The equipment can be further popularized for greater awareness and wide adoption

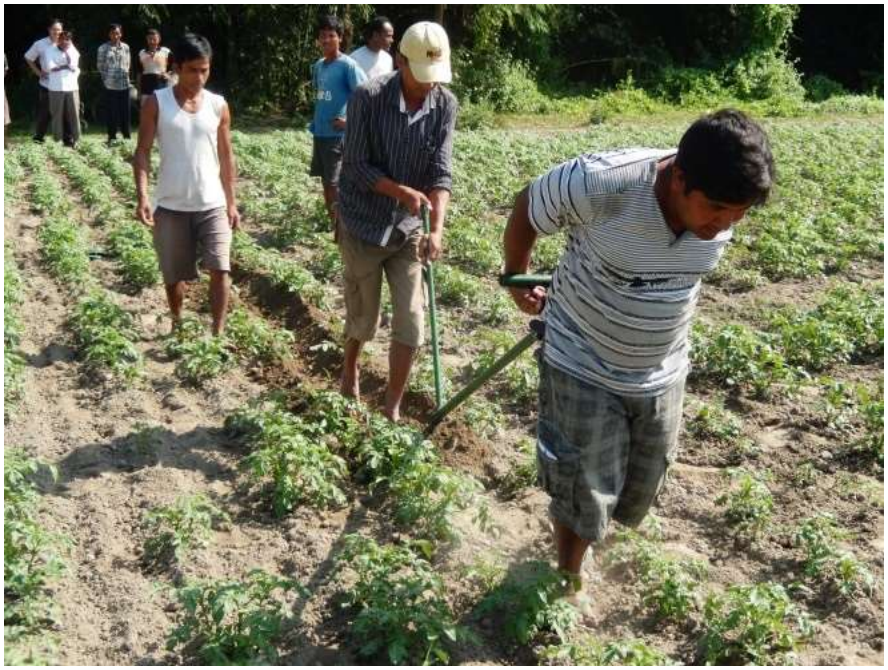




Farm women in action using manual grubber weeder and ridge maker

FLD Discipline: Home Science

Enterprise	Technology	No. Of farmers / Farm Women	No. Of Units/ Item etc.	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
Drudgery reduction (okra, brinjal, cucurbits)	Popularization of ring cutter for drudgery reduction	05	05	Heart rate (beat/ min): output/kg/hr:	Heart rate (beat/ min): 102 Work output/kg/ hr: 50	Heart rate (beat/ min): 115 Work output /kg/hr: 20	Heart rate (beat/ min): decrease by 4% Work output/ hr: 150%	There is mark a reduction is drudgery over the local or conventional method of weeding, harvesting and ridge making. The equipment can be further popularized for greater awareness and wide adoption.

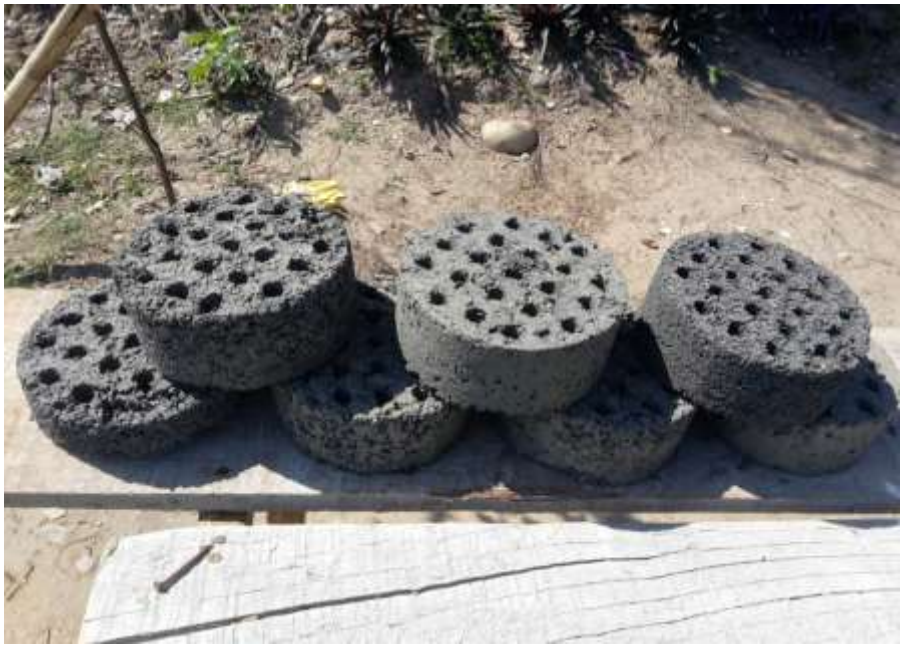


Drudgery reduction through improved Farm implements

FLD Discipline: Home Science

Enterprise	Technology	No. Of farmers / Farm Women	No. Of Units/ Item etc.	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
Energy Saving	**Beehive briquette : An alternative source of energy**	03	03	One briquette burns for 2 -2.5 hours	1. Energy and fuel efficient 2. Smokeless 3. Can be shifted to convenient place of use	Use firewood as fuel which emits smoke, and the fireplace is immovable	1. 50% 2. 100% 3. 100%	The technology is more acceptable in township area in comparison to village as the families are accustomed to the traditional fireplace. It can be promoted further for adoption in village

FLD Home Science: Beehive briquette: An energy saving device



TRAINING

Training Programmes (Farmers)

Discipline	No. of courses			Farmers benefitted (Nos.)				Target Beneficiary (nos.)	% achievement
	T	A	% of A	On	Off	Spon.	Total		
Plant Protection	12	16	100	83	467	-	550	480	114.5
Horticulture	11	09	81.81	90	180	-	270	330	81.81
Fisheries	11	21	190	1303	373	139	1815	330	550
Agril. Engg.	15	13	87	574	398	-	972	450	216
Vety. & AH	8	13	162.5	61	349	139	550	240	229
Home Sc.	09	16	177	377	308	100	785	270	290
Total	**66**	**88**	**133.33**	**1191**	**1715**	**241**	**3148**	**2100**	**149.90**

Training Programmes: Fisheries

Training in Telam Village in progress

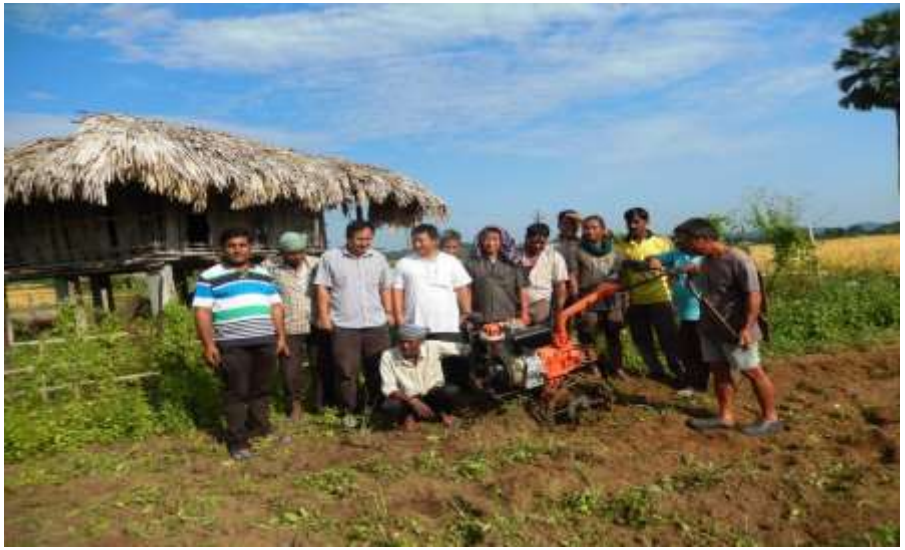
On campus training in Progress

Training on Integrated Farming at Takilalung

Training in progress at Kyit Village

Training Programmes: Agricultural Engineering

Training programme on improved farm machinery at Jampani Village



Training cum demonstration on Multipurpose Mini tiller at Ledum Village

Training programme on care and maintenance of power tiller & plant protection equipments at Ayeng Village

Training program me on low cost polyhouse at Kakki Village

Training Programmes: Vety. & AH

Training Programmes (Rural Youth)

Discipline	No. of courses			Rural Youth benefitted (Nos.)			Target Beneficiary (nos.)	% achievement
	T	A	% of A	On	Off	Total		
Plant Protection	02	02	100	153	-	153	60	255
Horticulture	02	01	50	20	-	20	60	33.33
Fishery	03	04	125	54	96	150	90	166.66
Agril. Engg.	03	02	66.6	20	26	46	90	51.11
Vety. & AH	02	01	50	-	32	32	60	53.00
Home Science	05	01	20	32	-	32	150	21.33
Total	**17**	**11**	**64.70**	**279**	**154**	**433**	**510**	**84.90**

Training Programme on Fisheries

Trainees of the on campus training

Interaction with farmers

Training programme at Seren Village

Off campus training in progress

Training Programme on Vety. & AH

Training Programme Horticulture

On campus training programme on Nursery raising technique.

Training program me on Scientific cultivation of Papaya at 2 Mile Village

District level training programme on Floriculture at Telam village.

On campus training programme on IFS.

Training Programmes: Home Science

Hands on training on Value addition

Training on evaporative cool chamber and nutritional gardening

Training: Plant Protection

Training Programmes (Extension Personnel)

Discipline	No. of courses			Extn. Personnel benefitted (Nos.)				Target Beneficiary (nos.)	% achievement
	T	A	% of A	On	Off	Spon.	Total		
Plant Protection	02	02	100	56	-	-	56	60	93.33
Horticulture	01	01	100	26	-	-	26	30	87.00
Fisheries	01	02	200	34	-	-	34	40	85.00
Agril. Engg.	01	01	100	18	-	-	18	30	60
Vety. & AH	01	01	100	26	-	-	26	30	87.00
Home Sc.	01	01	100	26	-	-	26	30	87.00
Total	**07**	**08**	**125**	**186**	**-**	**-**	**186**	**220**	**84.54**

Training Programme for Extension Functionaries

Training, Discussion and Feedback from participants

Field visit and hands on training

Training Programme on Vety. & AH

OTHER EXTENSION ACTIVITIES

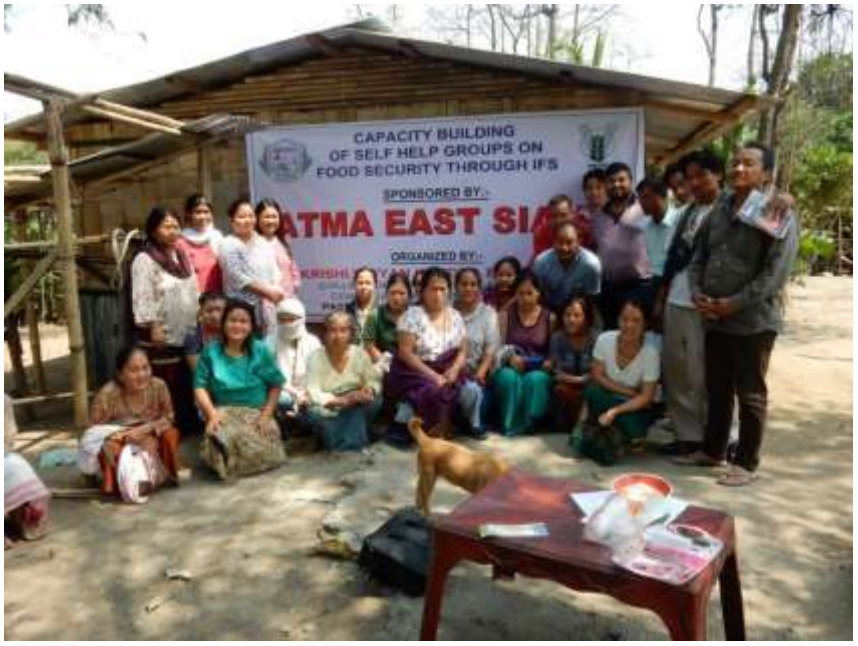
Other Extension Activities (KVK)

Extension Activity	Activity			Beneficiaries		
	Target in 2015-16 action plan	Achievement (Nos.)	% achievement	Target (Nos.) in 2015-16	Achievement (Nos.)	% achievement
Advisory services	100	613	613	100	1840	1840
Diagnostic visit	50	268	536	265	1219	460
Field day	04	02	50	200	110	55
Group Discussion	50	128	256	500	3426	685
Kishan Gosthi	04	04	100	120	483	402
Kishan Mela	02	01	50	700	500	71.42
Film show	10	09	90	340	3157	1052
Exhibition	02	07	350	700	3283	469
Scientists visit to farmers fields	60	212	353	120	1089	907
Method demonstration	06	11	183	180	537	298
Exposure visits	02	17	850	30	888	2960

Other Extension Activities (KVK)

Extension Activity	Activity			Beneficiaries		
	Target in 2015-16 action plan	Achievement (Nos.)	% achievement	Target (Nos.) in 2015-16	Achievement (Nos.)	% achievement
Extension literature	06	26	433	600	3283	547
Newspaper coverage	06	20	333	1000	3705	370
Popular articles	06	32	533	200	3705	1852
Lecture delivered as resource person	12	66	550	200	3705	1852
TV Talk	06	06	100	3000	3705	123.5
Farmer-Scientist interaction	06	06	100	180	250	138
Farmers visit to KVK	60	114	190	200	1906	953
Total	**392**	**1542**	**393**	**8635**	**36791**	**426**

ATMA SPONSORED PROGRAMME

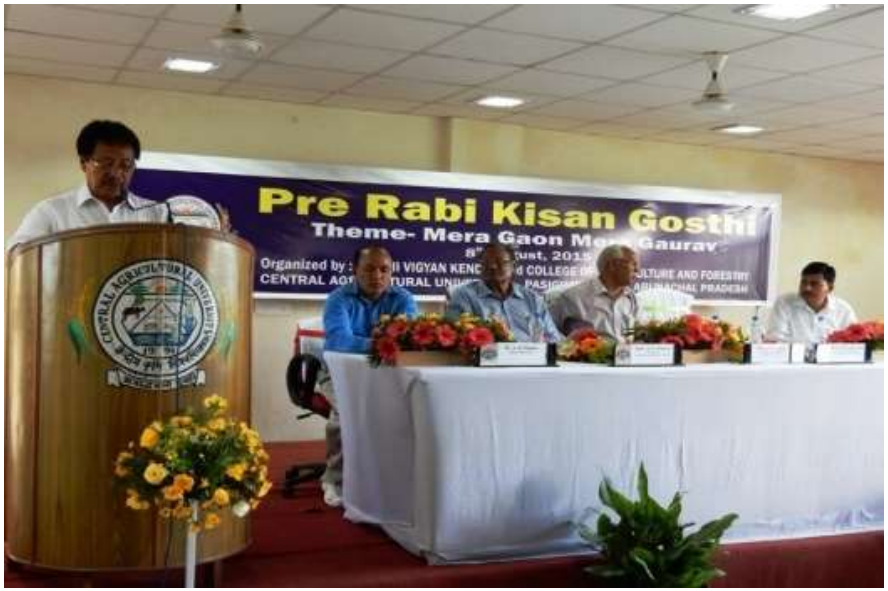


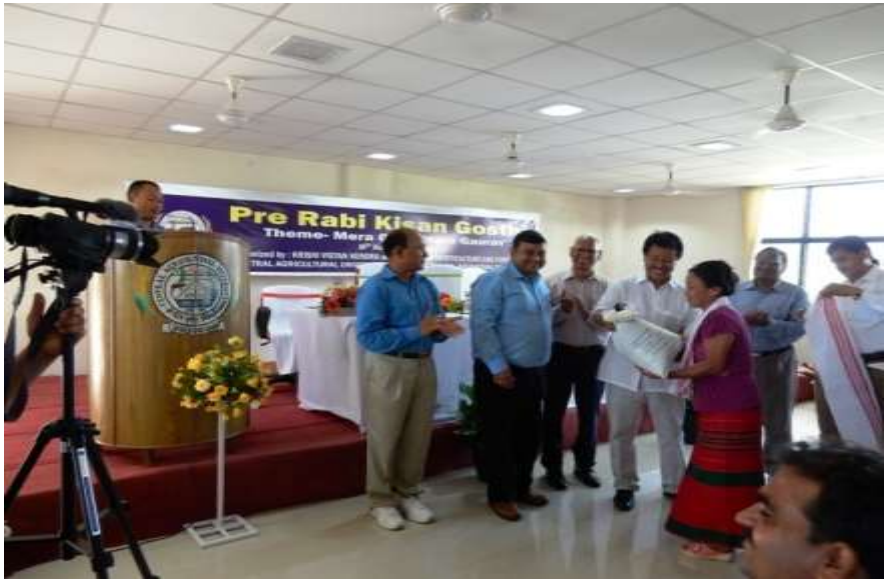
Special Extension Activities

Inauguration of Farmers Scientist Interaction Programme and visit to Exhibition stall by Hon'ble MP Shri. Ninong Ering and Dean, CHF, CAU, Pasighat

Kisan Sammelan and Exhibition

Pre Rabi Kisan Gosthi

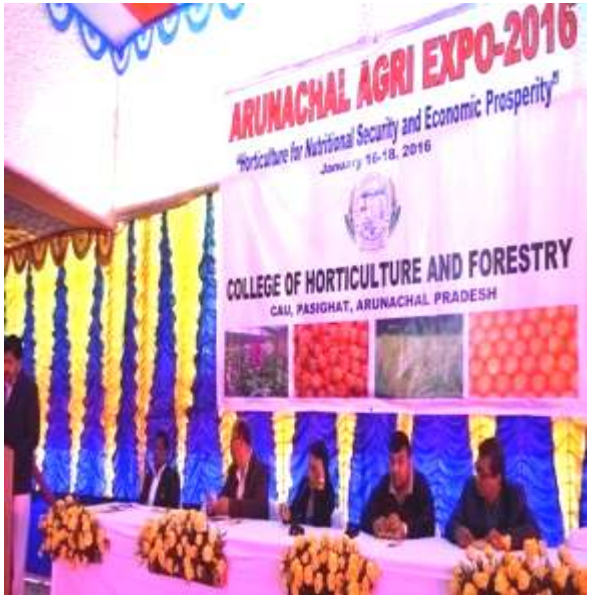




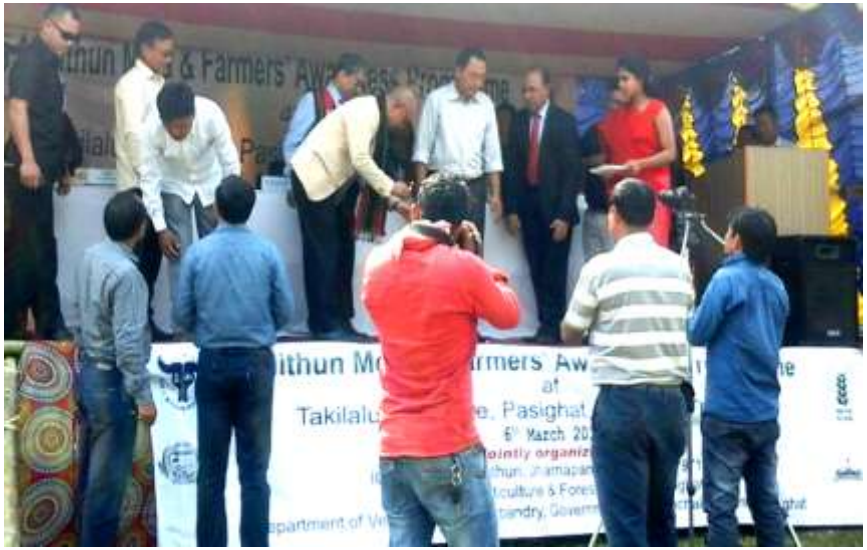
VC, CAU distributed seeds to the farmer during the Gosthi.

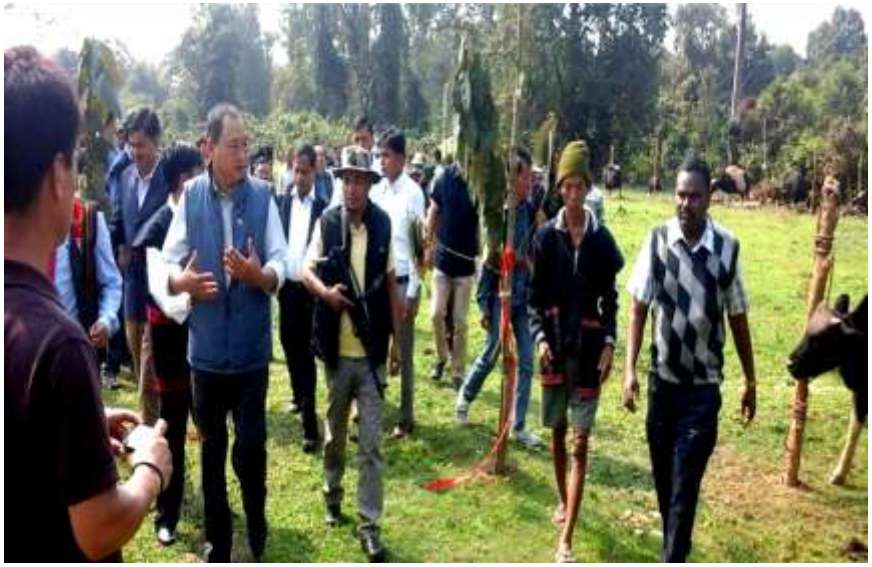
Former and Present VC, CAU visiting the Mela Stall during the Gosthi.

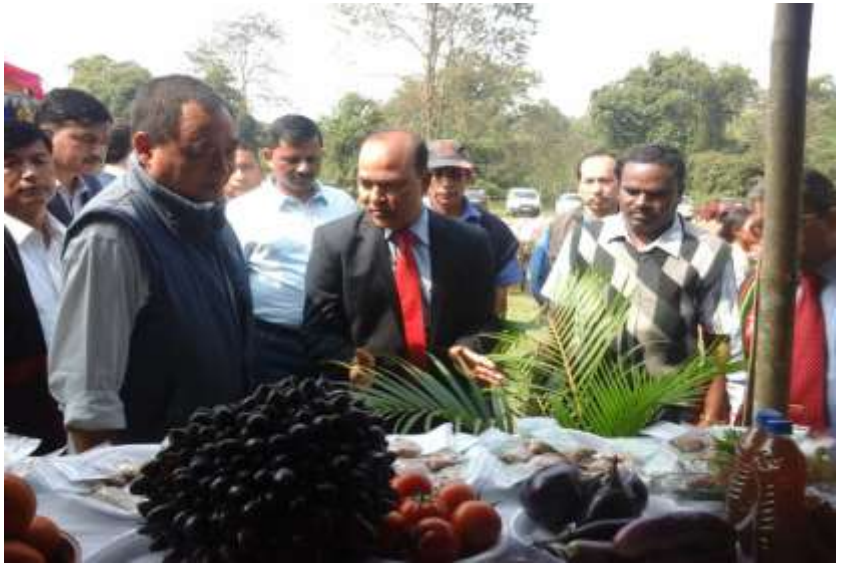
Arunachal Agri. Expo 16-18 January, 2016



Mithun Mela

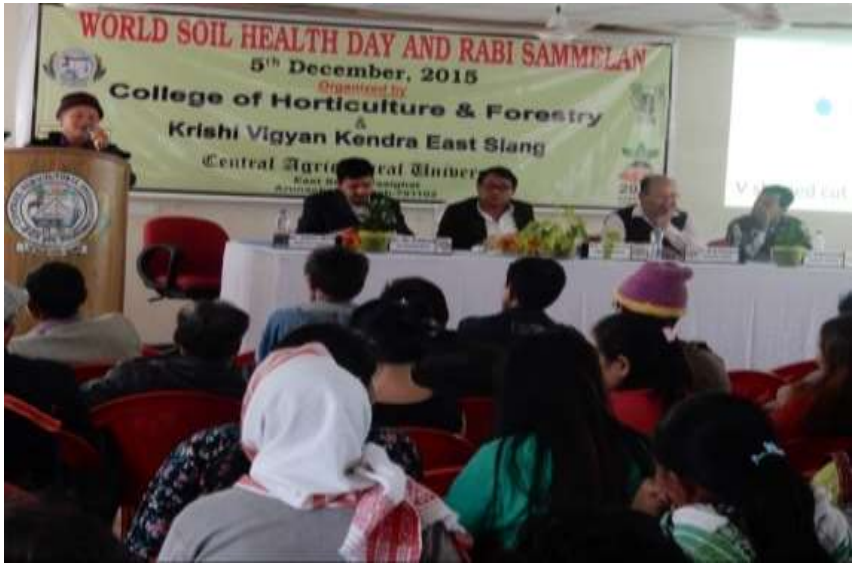






Other Extension Activities

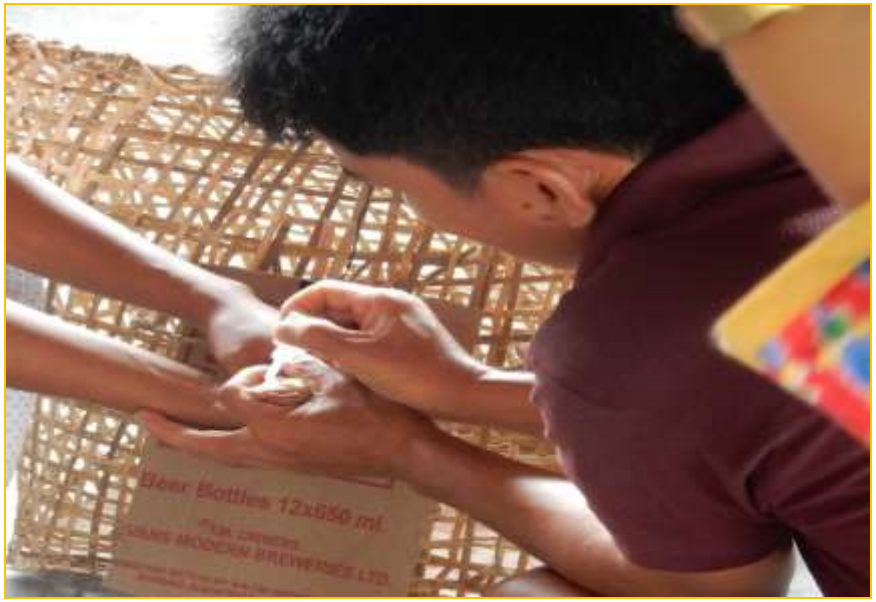
1st Manipur National Horti-Expo 2015



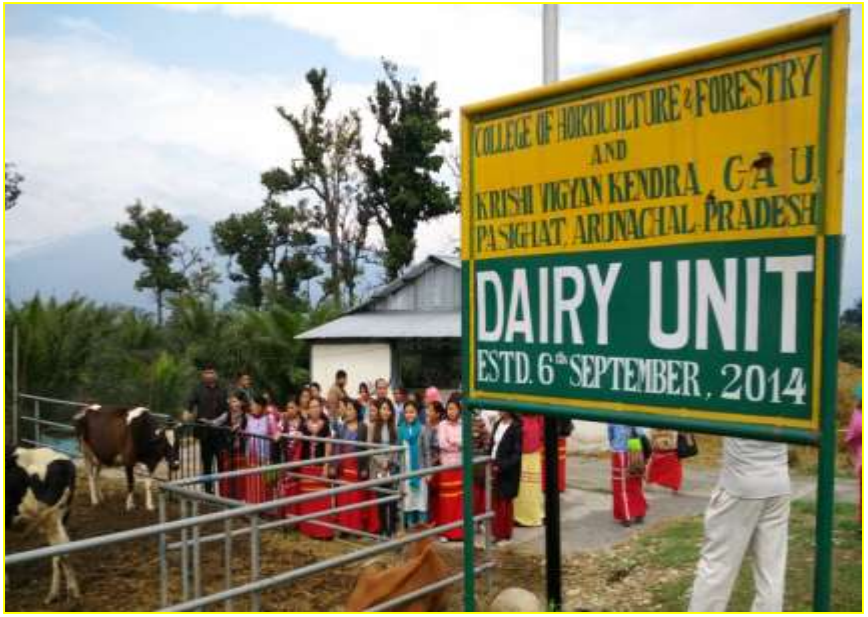
World Soil Health Day

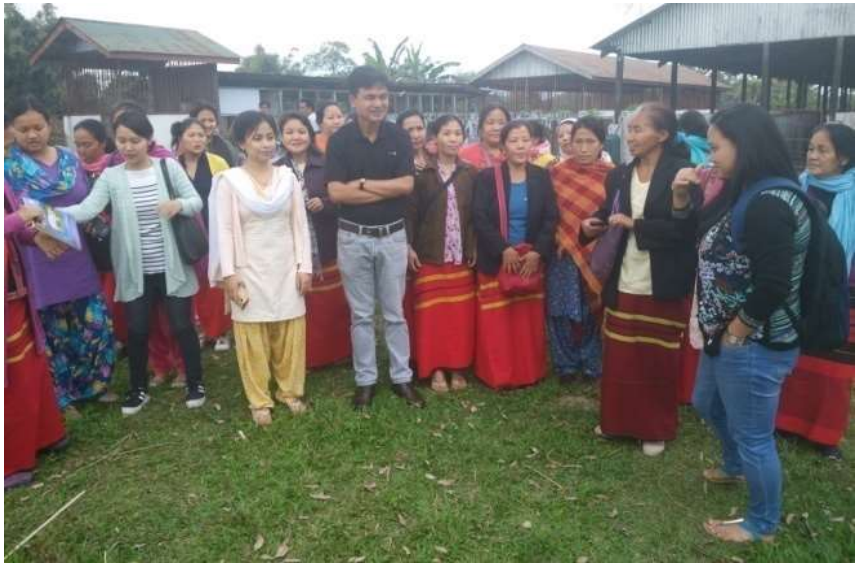
Jai Kisan Jai Vigyan Diwas

Mithun Mela



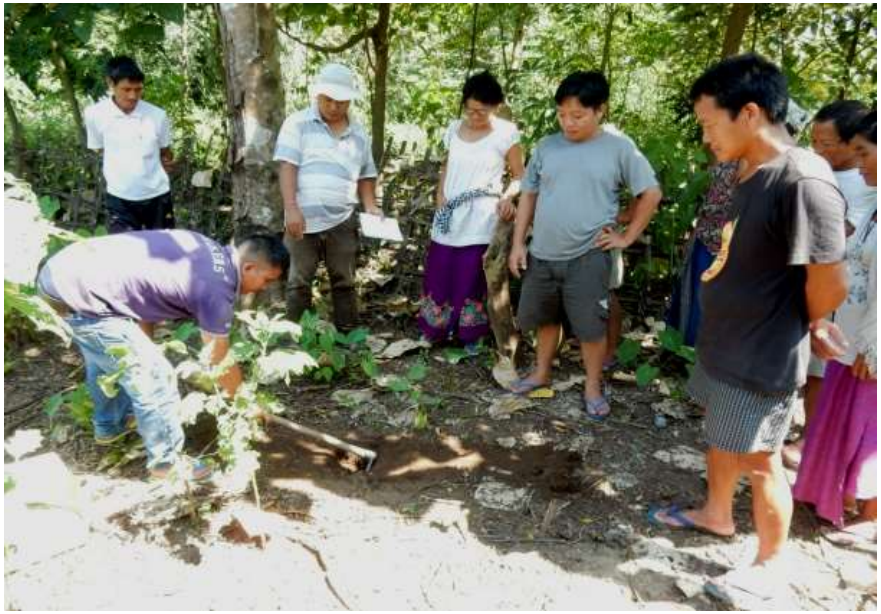
VACCINATION OF POULTRY

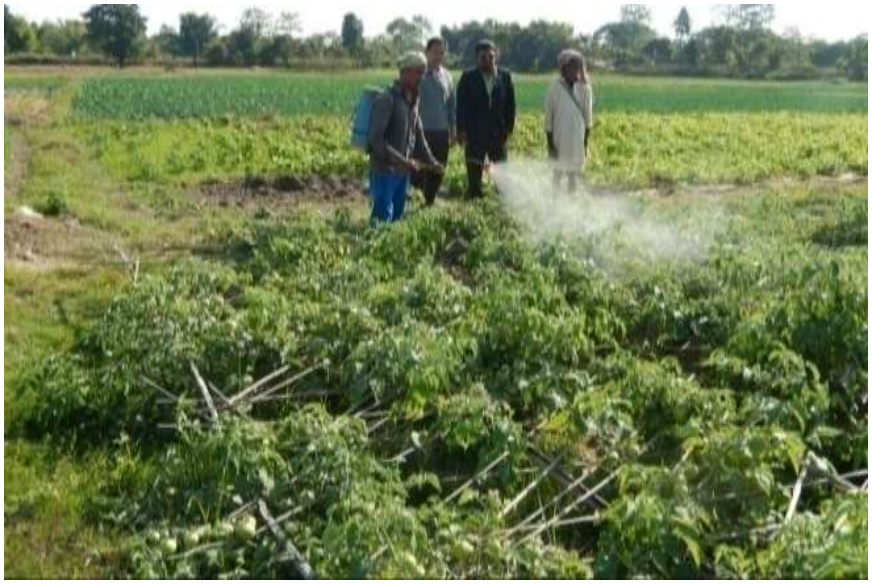




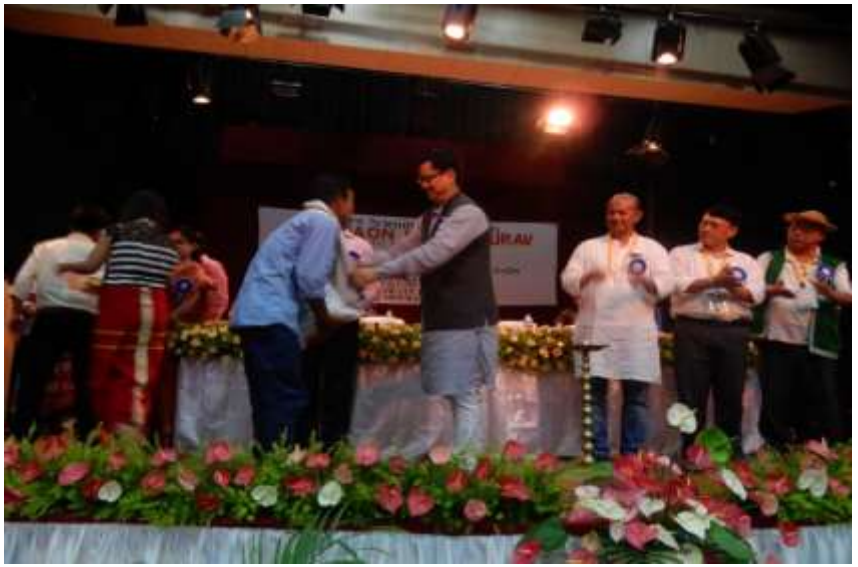
EXPOSURE VISITS

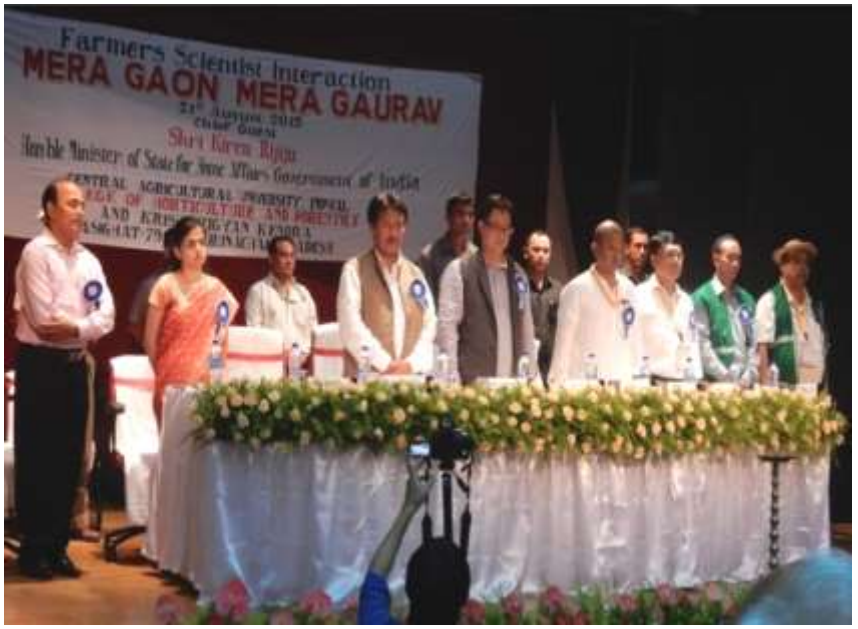
Diagnostic Visits to Farmers Field



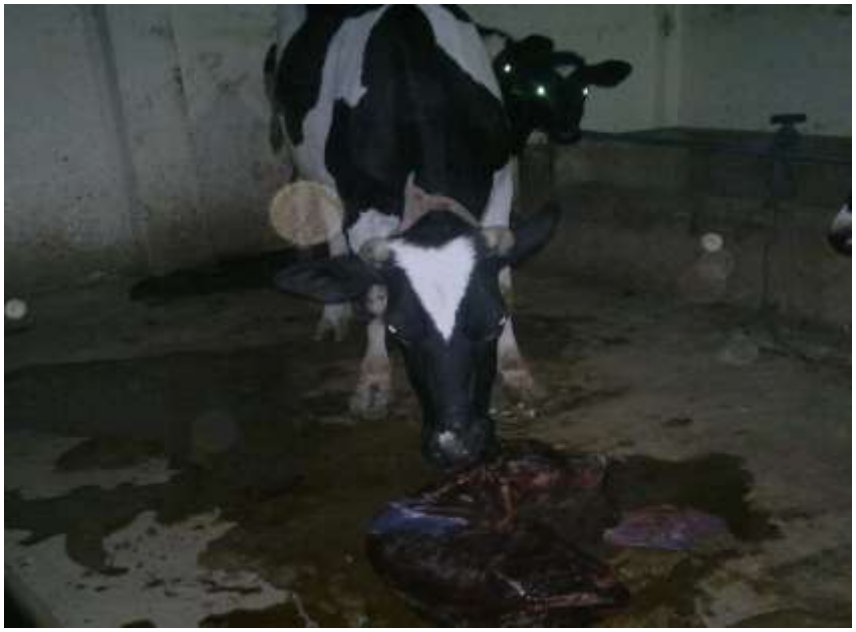


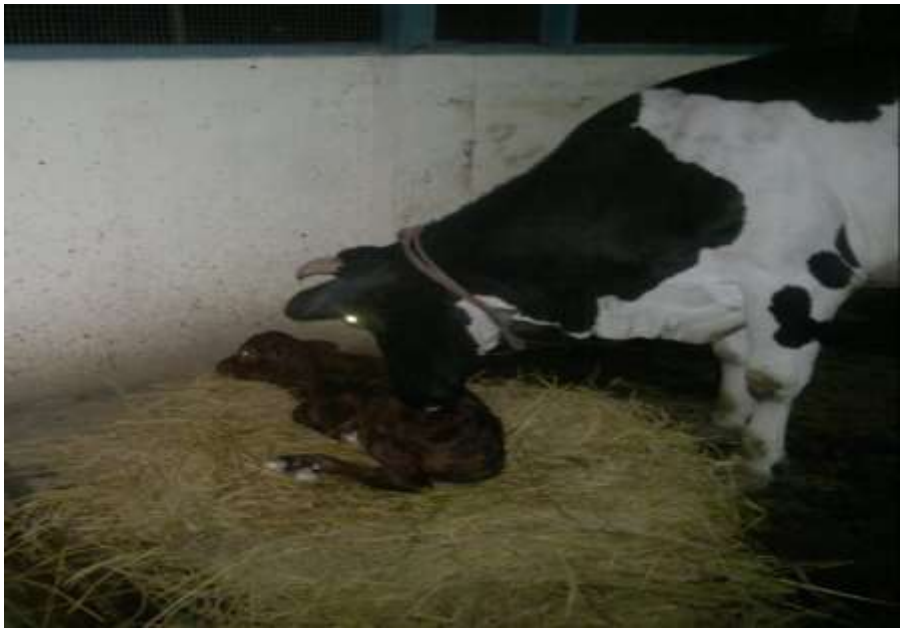
Farmers Scientist Interaction Programme





Diary Unit





Publications of KVK (2015-16)

Item	Nos.
Research papers	03
Training manuals	01
Technical Report	-
Book/ Book Chapter	01
Popular articles	32
Technical bulletins	02
Extension bulletins	11
Newsletter	01
Conference/ workshop proceedings	06
Leaflets/folders	01
e-publications	04
Any other (Pl. specify)	-
TOTAL	62

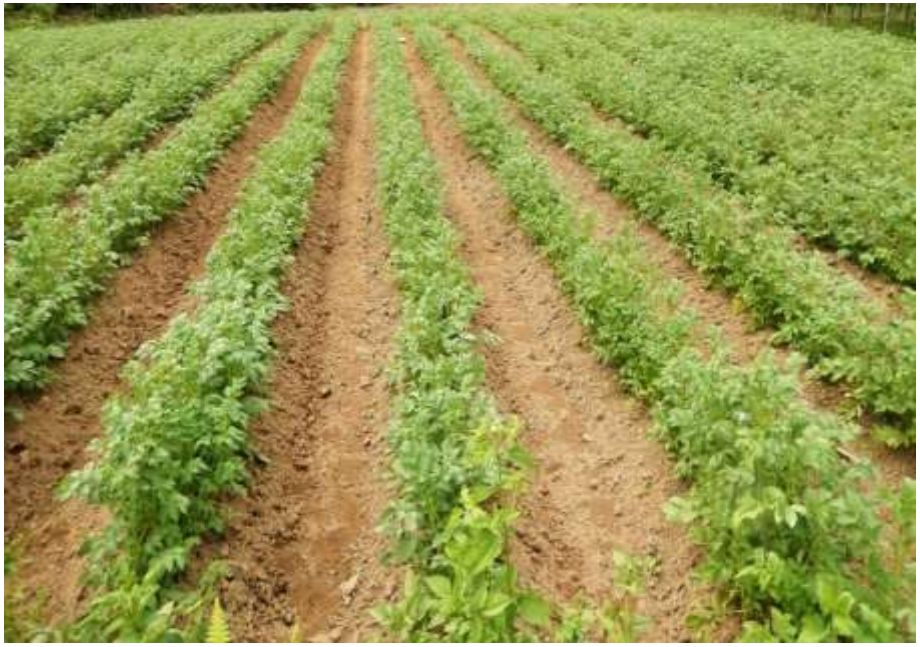
Seed Materials

Item	Crop	Variety	Proposed quantity / Target (q) (2014-15)	Quantity produced (q)	% achieve ment	Value (Rs.)	Qty Supplied/ Provided to (No. of farmers)
CEREALS	Paddy	CAU-R1	50	10	20	25,000.00	20
	Maize	RCM 1-76	10	05	50	10,000.00	25
OILSEEDS	Toria	TS 38	20	05	25	10,000.00	50
	Sesamum	AST-1	1.0	1.0	100	4,000.00	20
	Niger	Local	3.0	3.0	100	6,000.00	20
PULSES	Groundnut	ICGS-76	1.0	0.5	50	2,500.00	02
	Pigeonpea	Local	1.0	1.0	100	4,000.00	13
VEGETABLES	Cucumber	Swarna Sheetal	0.1	0.1	100	1,000.00	10
OTHERS (Specify)	Marigold	Pusa Narangi	0.001	0.001	100	1,000.00	10
		Pusa Basanti	0.001	0.001	100	1,000.00	10
Total		-	**86.1002**	**25.601**	-	**64,500.00**	**181**

Planting Materials

Item	Crop	Variety	Proposed quantity /Target (No.) (2014-15)	Quantity produced (No.)	% achievement	Value (Rs.)	Qty. Supplied/ Provided to (No. of farmers)
Vegetables	**Chilli**	Kashi Anmol-2	1,000	5,000	500	5000.00	100
	Tomato	Swarna Lalima	3,000	5,000	166	5,000.00	100
	Brinjal	Swarna Shaymali	2,000	5,000	250	5,000.00	100
		Swarna Prathiba	2,000	5,000	250	5,000.00	100
	Cabbage	Rare Ball	3,000	5,000	166	5,000.00	100
	Broccoli	Aishwarya	2,000	5,000	166	5,000.00	100
Ornamental Plants	**Marigold**	Pusa Narangi	2,500	2,500	100	2,500.00	50
		Pusa Basanti	2,500	2,500	100	2,500.00	50

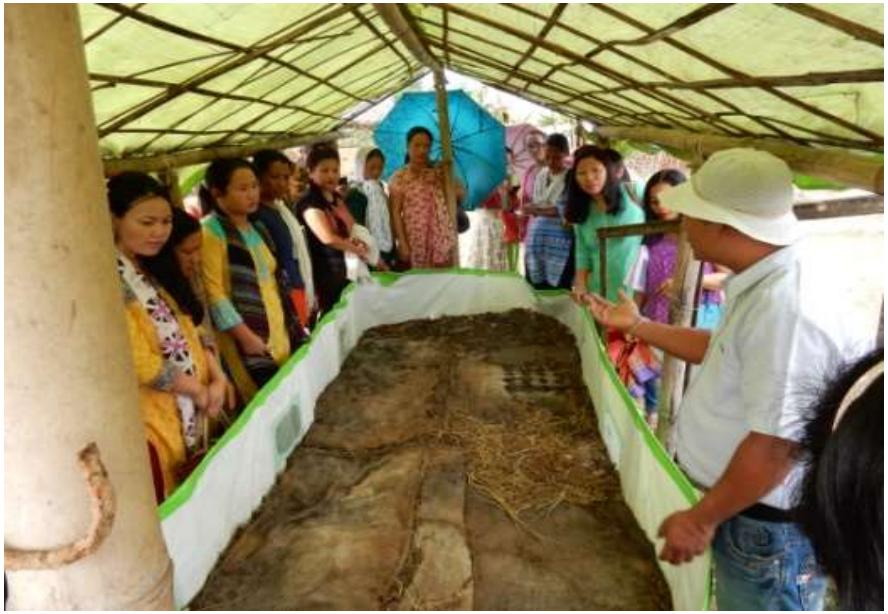
Instructional Farm Activities



Vegetables grown in Crop Cafeteria at KVK in Instructional Farm

Instructional Farm Activities

Vegetable Nursery in Poly House

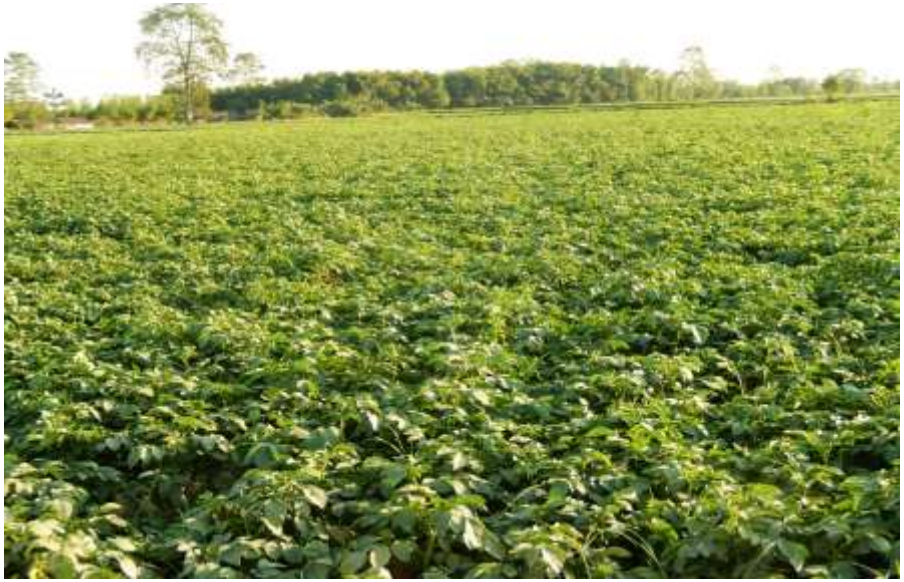


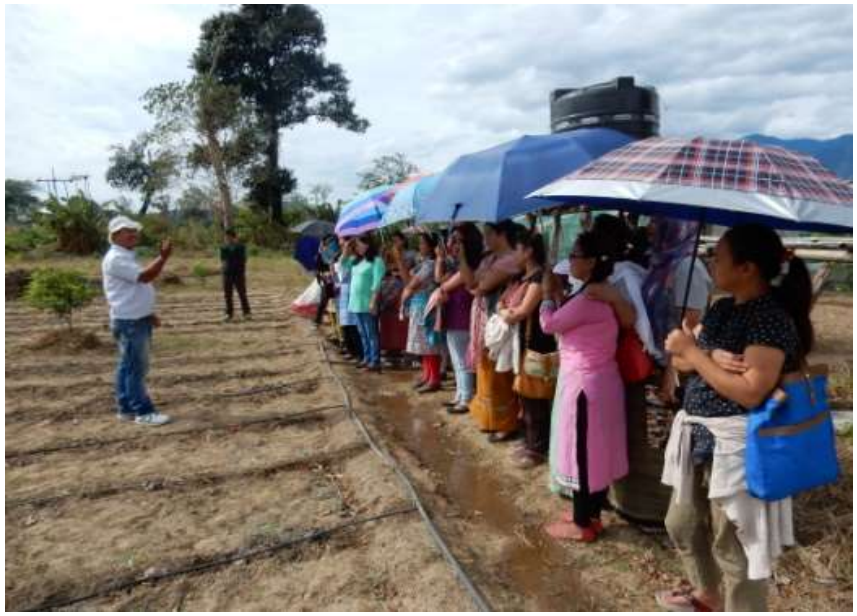
Model of Vermicomposting Unit

Chilli Var. Kashi Anmol-2 seedlings

Maize intercropped with Som (*M. bombycina*)

Instructional Farm Activities





Potato Var. Kufri Pukharaj

Bio-products

Item	Product Name	Species	Proposed quantity (2014-15)/ Target		Quantity produced		% achievement	Value (Rs.)	Qty supplied and No. of farmers	
			No.	Kg.	No.	Kg.			No.	Kg.
Bio-agents										
Bio-fertilizers										
Bio-pesticides										
Livestock strains/ fingerlings (Nos. in lakh)										
Others	Fish	Tilapia		100		30		3,000	6000	-
Total										

Status of Soil & Water Testing Labs/ Soil Health Cards (SHCs)

Sl. No.	Samples tested/ Analysed	Nos.	Farmer beneficiaries	Village covered	Amount realised (Rs.)	SHCs issued to farmers (Nos.)
1.	Soil sample	**350**	**350**	**20**	**-**	**350**
2.	Water sample					
3.	Plant sample					
	Total	**350**	**350**	**20**	**-**	**350**

Status of Mobile Advisory during 2015-16

Message type sent	Crop		Livestock		Weather		Marketing		Awareness		Other Enterprise		Total	
	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary
Text only	**276**	**276**	**162**	**162**	**96**	**96**	**44**	**44**	**98**	**98**	**50**	**50**	**726**	**726**
Voice only	**377**	**377**	**214**	**214**	**154**	**154**	**111**	**111**	**178**	**178**	**70**	**70**	**1102**	**1102**
Voice and Text both	**160**	**160**	**94**	**94**	**62**	**62**	**39**	**39**	**69**	**69**	**30**	**30**	**457**	**457**
Total	**813**	**813**	**470**	**470**	**312**	**312**	**194**	**194**	**345**	**345**	**150**	**150**	**2285**	**2285**

Status of Revolving Fund (RF) of KVK during 2015-16

Sl. No.	Activities	Opening balance as on 1st April, 2015	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of 2016
1.	Farm produce sale	3,24,281.00	30,625	-	3,54,906
	Total	3,24,281.00	30,625	-	3,54,906

Functional Linkages Established with different Organizations during 2015-16

Name of organization	Nature of linkage
1. College of Horticulture & Forestry, Pasighat, CAU	Technical, Administrative and financial support to the KVK
2. ICAR Research Complex for NEH Region, Umiam, Meghalaya	Sharing knowledge and technology
3. ICAR Research Complex for NEH Region, AP Centre, Basar	Sharing knowledge and technology
4. Zonal Coordination Unit, Zone- III, Umiam, Meghalaya	Funding, Monitoring and evaluation
5. Central Agricultural University, Imphal, Manipur	Technical, Administrative and financial support to the KVK
6. Dept. of Statistics, Govt. of Arunachal Pradesh	Supply of statistics of the district.
7. District Fisheries Development Officer, East Siang	Collaborative programmes for self sufficiency in fish production.
8. District Horticultural Officer, East Siang	Joint training programme, supply of seed/ planting material
9. District Agricultural Officer, East Siang	Agricultural database, guidance and technical supports
10.Central Institute of Freshwater Aquaculture (CIFA), Bhubaneswar	Updating knowledge and expertise in fisheries
11. National Bureau of Fisheries Genetic Resources, Lucknow	Updating knowledge and expertise in fisheries
12. Indian Institute of Vegetable Research, Varanasi	Seed, literature and technical support
13. Health and Family Welfare, Govt. of Arunachal Pradesh	Awareness in AIDS and other STD
14. Assam Agricultural University, Jorhat	Supply of planting material/seed, knowledge and technology

Functional Linkages Established with different Organizations during 2015-16

Name of organization	Nature of linkage
15. Other KVKs	Discussion and sharing of experiences
16. Gram Sevak Training Centre, Pasighat	Supply of planting material, sharing knowledge and technology
17. Fisheries Development Promotion Forum Arunachal Pradesh	Resource person and member in advisory committee
18. National Fisheries Development Board	Funding and technical support
19. N.D.U.A. & T., Faizabad, Uttar Pradesh	Seed, literature and technical support
20. ATMA, East Siang District	Promotion of local medicinal and aromatic plants
21. Central Institute of Freshwater Aquaculture (CIFA), Bhubaneswar	Updating knowledge and expertise in fisheries
22. Banaras Hindu University, Varanasi	Sharing knowledge and technology
23. The Sulphur Institute (TSI)	Sharing latest information on sulphur fertilizer
24. State Agricultural Marketing Extension Training Institute (SAMETI), Department of Agriculture, Pasighat, East Siang, Govt. of Arunachal Pradesh	Training & Extension, Dissemination of Technology i.e. improved seeds & seedlings, biofertilizers & biopesticides etc. Implementation of collaborative programmes at district level.

Revenue(R) generation by KVK from different sources during 2015-16

Sl. No.	Activity/ Enterprise	Source(s)/ Funding Agency	Revenue (Rs.)
1.	**Capacity building programme**	ATMA	48,000.00
2.	**Awareness programme**	ATMA	17,600.00
		Total	**65,600.00**

Significant Achievement in Rice Var. CAU-R1

1. Rice Var. CAU-R1 released from CAU, Imphal in year 2008, Duration is 140 days, 70% recovery with 7.0 ton yield potential/ha.
2. Means of Dissemination of Technology: OFT, FLD, Participatory seed production, IPM, Training and Seed distribution programme .

Horizontal spread of technology (Area in ha)	No. of Villages	No. of farmer adopting technology	% adoption	Change in income (Rs.) in case of the adopted farmers	
				Before (Rs./ha)	After (Rs./ha)
100	93	278	18	18000	21500


VC Visit to CAU R1 Field


Farmers Orientation on CAU R-1


IPM activity in Rice


Exposure visit in CAU-R1


Field day on CAU-R1

Seed production in Rice

Significant Achievement in Toria Var. TS-38 programme

Horizontal spread of technology (Area in ha)	Number of Villages	No. of farmer adopting technology	% adoption	Change in income (Rs.) in case of the adopted farmers	
				Before (Rs./ha)	After (Rs./ha)
82.5	48	117	15	9300	14800

VC CAU visit to FLD fields

DDK Itanager Coverage of Cluster Demonstration Toria programme

Field Day on Cluster Demonstration Var. Toria TS 38

IPM activity in Cluster Demonstration Toria Var. TS -38

Significant Achievement in Poultry dual purpose Vanaraja bird

1. Technology: Introduction of dual purpose Vanaraja bird in East Siang, A.P.
2. FLD, training, field visit, group discussion, and hands on training on vaccination of poultry were conducted to create awareness.

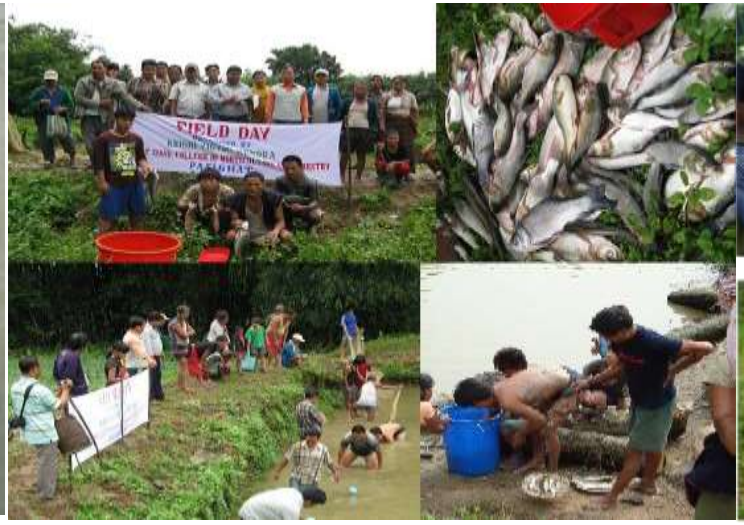
Horizontal spread of the technology. (beneficiaries)	No. of Village	% adoption	Change in income (Rs) in case of the adopted farmers (46 No.)	
			Before	After
231	10	20	86,250	247,250

Distribution, training, monitoring of Vanaraja at different villages

Significant Achievement in dissemination of Composite Fish Farming Technology

1. The technology is Poly culture of Indian Major Carps (Rohu, Catla and Mrigala) with Exotic carp (Grass carp, Silver carp and Common carp) for better utilization of food and ecological niches.
2. FLD, Training and Exposure visits were conducted to create awareness.

Horizontal spread of technology (Area in ha)	No. of Villages	% adoption	Change in income (Rs.) in case of the adopted farmers	
			Before (Rs./ha)	After (Rs./ha)
20	12	16	72000	140250



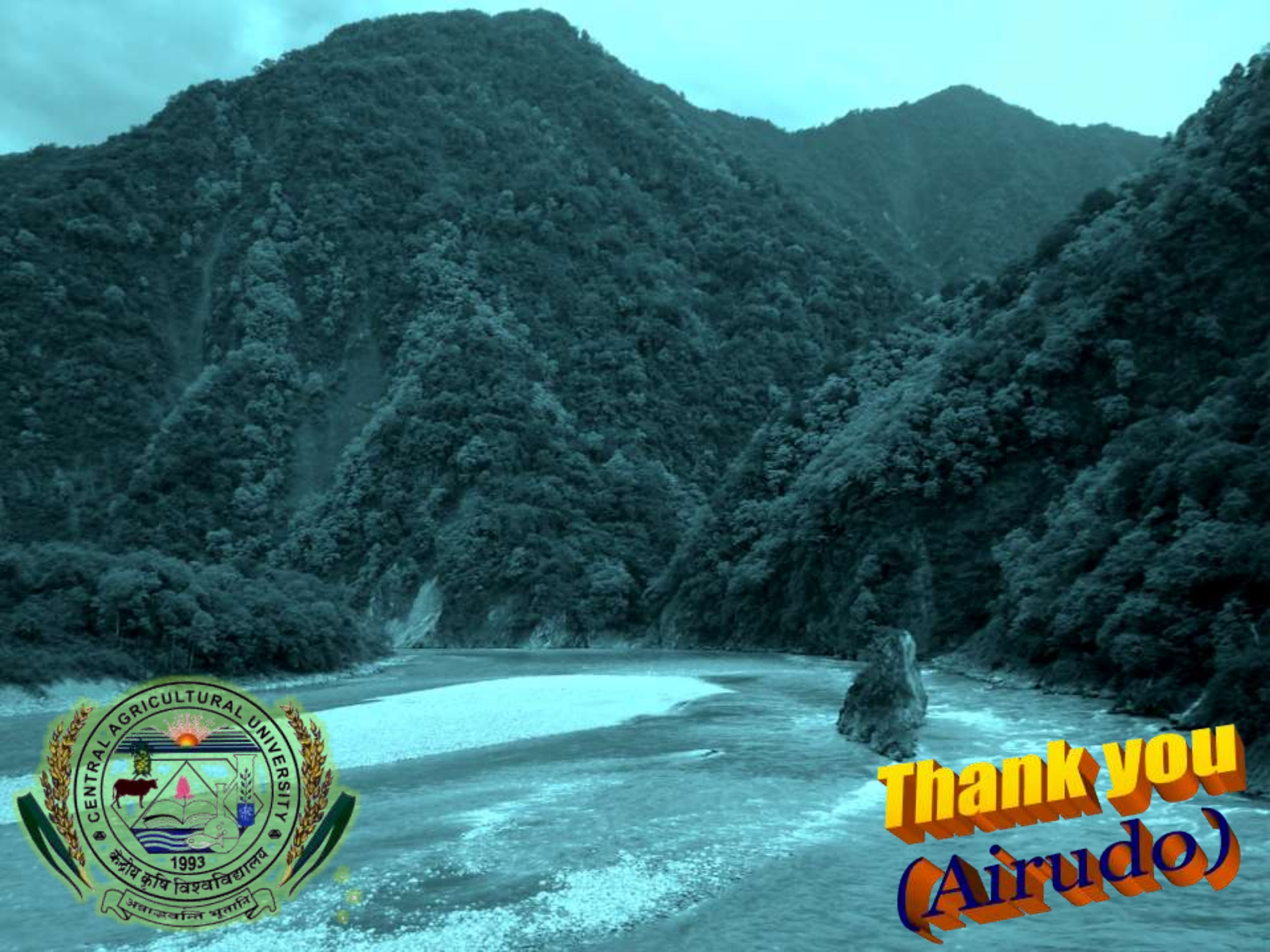
Activities in Yagrung village

Farmer with produce at Mangnang Village

Farmer with produce at Mirem Village

During sampling at Nari Village

During Sampling at Ledum Village


CENTRAL AGRICULTURAL UNIVERSITY
केन्द्रीय कृषि विश्वविद्यालय
1993
अवान्तर्वन्ति भूतानि
Thank you
(Airudo)