

**KVK EAST SIANG, ARUNACHAL PRADESH
CENTRAL AGRICULTURAL UNIVERSITY, IMPHAL
(Establishment Year: 2006)**



**Annual Progress Report
April 2013 – March 2014**

Pasighat, East Siang, Arunachal Pradesh

Total geographical area : 4005 sq. km

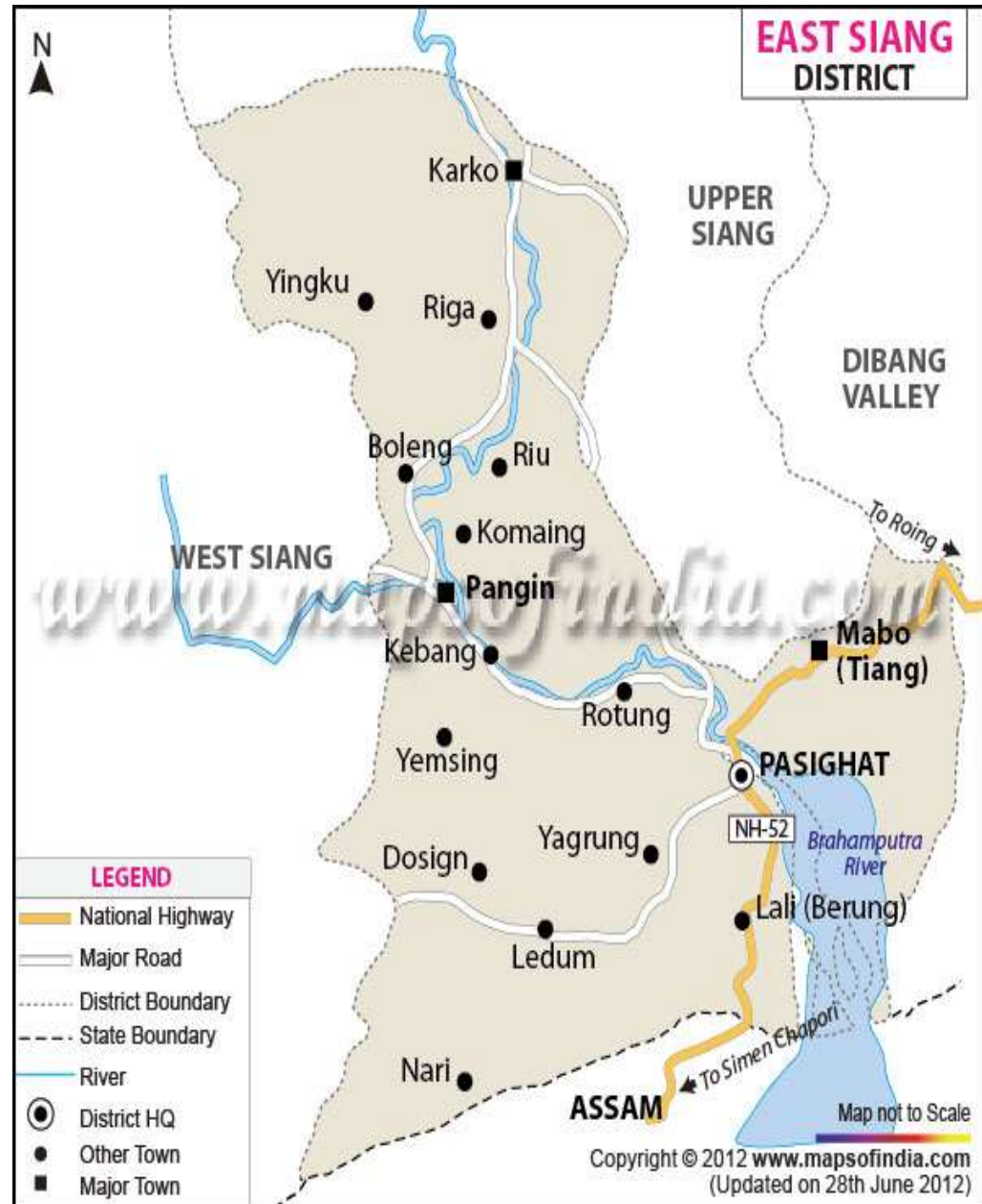
No. of Circle : 12

No. of development block : 06

No. of Gram Panchayat : 566

No. of villages : 168

Total population : 99019



Principal Crops, Area, Production & Productivity

Sl. No.	Crop	Area (Ha)	Production (Ton)	Productivity (Kg/ha)
1.	Paddy	13137	29699.2	2260
2.	Maize	2900	5348.0	1844
3.	Millet	2220	2528.0	1138
5.	Pulses	956	892.0	933
6.	Oil seeds	4585	3752.0	818
7.	Potato	685	4899.0	715
8.	Ginger	667	5581.0	8367
9.	Vegetables	1987	5897.0	2967
10.	Citrus	2658.43	16956.3	637
11.	Turmeric	193	369.0	1911
12.	Sugarcane	179	728.0	.4067
13.	Pineapple	560.15	4221.0	7535
14.	Arecanut	172.32	268.0	1555
15.	Banana	342.88	6039.0	1761
16.	Black Pepper	187.89	4.6	24
17.	Large Cardamon	286.9	3.6	12
18.	Jackfruit	70.07	930.3	13276

Staff Position (As on 25th August, 2014)

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	MTS
11.	Mr. Tatok Takuk	Supporting Staff	MTS

Infra-structure facilities

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 released on 31 st March 2014
2.	Staff Quarters	-	-	New proposal	12 th Plan EFC proposal
3.	Farmers' hostel			New proposal	12 th Plan EFC proposal
4.	Demonstration Units	01	-	-	Polythene Lined Rain Water Harvesting Unit
5.	Fencing/boundary wall	-	-	New proposal	12 th Plan EFC proposal
6.	Any other (Pl. specify)	-	01	-	Dairy Unit

Infra-structure facilities



KVK Administrative Building



Dairy Unit



Polythene Lined Water Storage Tank



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	Rice	01	-	05	05	100	-
	Ginger	01	-	05	05	100	-
Total		02	-	10	10	100	-

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
Rice	High incidence of insect pest and diseases	<ul style="list-style-type: none"> •Seed treatment with Carbendazim @ 2g/kg seed. •Seedling root dip with Chlorpyrifos @ 2ml/l water. •Alternate wetting and drying of fields for management of Caseworm. •Release of <i>T. japonicum</i> @ 1,00000 adult per hectare. •Installation of plastic funnel trap with carcus @ 25 trap/ha for Gundhi bug 	IPM in Rice	05	Yield: q/ha SB: 8.7% LF: 13.6% CW: 8.6% GB: 6.8% Blast: 9.7% SB: 7.2%	69.5	88200	2.1
				Farmer Practice	Yield: q/ha SB: 18.4% LF: 22.7% CW: 16.9% GB: 12.6% Blast: 13.6% SB: 18.2%	60.5	63875	1.52

OFT: Integrated Pest Management in Rice



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)	05	Yield (q/ha) Disease incidence	121.16 6.8 %	141040	3.44
				Farmer Practice	Yield (q/ha) Disease incidence	102.2 11.7%	112340	2.74

OFT: Ginger Rhizome Rot Management



On Farm Trials (Summary: Horticulture)

Discipline	Crop / Enterprise	Number of technology/ Social Concept		No. of trials		% of achieve ment	Reasons for shortfall, if any
		Assessed	Refined	Target	Achievement		
Horticulture	Brinjal	01	-	05	08	160	-
Total		01	-	05	08	160	-

On Farm Trial: Horticulture

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	Low yield and high incidence of Bacterial wilt	Var. Pusa Purple Cluster & <i>Pseudomonas fluorescence</i> as seed treatment @ 5g/kg seed and seedling root dip treatment @ 10g/l water.	Production technology of Var. Pusa Purple Cluster and Management of bacterial wilt of brinjal	05	Yield: q/ha Disease incidence :	168.2 14.8% 30 DAT & 9% 60 DAT	127700	3.16
			Farmer Practice		Yield: q/ha Disease incidence :	127.9 19.0% 30 DAT & 15.0% 60 DAT	87480	2.16

OFT: Bacterial Wilt Management in Brinjal



On Farm Trials (Summary: Agril. Engg.)

Discipline	Crop / Enterprise	Number of technology/ Social Concept		No. of trials		% of achievement	Reasons for shortfall, if any
		Assessed	Refined	Target	Achievement		
Agril. Engg.	Rice/ Rotavator	01	-	02	02	100	-
Total		01	-	02	02	100	-

On Farm Trial: Agril. Engg.

Crop / Enterprise	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters of assessment/ refinement and its data in bracket	Production per unit crop/ enterprise	Net return (Rs/Ha)	B:C Ratio
Paddy/ Rotavator	Drudgery, high operating cost, labour scarcity during peak season	Land prepared by Rotavator	Assessment on Comparison of land preparation techniques for paddy transplanting. i. Land prepared by rotavator. ii. Land prepared by conventional implements.	02	Technology-Option-I One time Tractor drawn disc harrow ploughing followed by one time rotavator puddling. FC-0.45 & 0.34 ha/hr, LR-2.2 & 2.9 man-hr/ha, CO- Rs.3870/ha.	49 q/ha	18,930	1.47
					Technology-Option-II One time Rotavator ploughing followed by one time Rotavator puddling. FC-0.41 & 0.34 ha/hr, LR-2.4 & 2.9 man-hr/ha, CO- Rs.3990/ha.	49 q/ha	18,810	1.47
					Farmer practice-I Two times ploughing with desi plough followed by two times puddling and levelling with indigenous bullock puddler and leveller. FC-0.013 & 0.04 ha/hr, LR-77 & 25 man-hr/ha, CO- Rs.9900/ha	49 q/ha	12,900	1.28
					Farmer practice-II Two times Tractor drawn disc harrow ploughing followed by one times puddling and levelling with indigenous bullock puddler and leveller. FC-0.45 & 0.04 ha/hr, LR-2.2 & 25 man-hr/ha, CO- Rs.6900/ha	49 q/ha	15,900	1.37

OFT on Land preparation technique for Rice planting using Rotavator



Operation of Rotavator under Dry Land Condition at Mirem Village



Rotavator puddling of paddy field at Mirem Village

On Farm Trials (Fisheries)

Discipline (Minimum 2 OFT per SMS)	Crop / Enterprise	Number of technology/ Social Concept		No. of trials		% of achievem ent	Reasons for shortfall, if any
		Assessed	Refined	Target	Achievement		
Fisheries	Aquaculture	01	-	05	05	100	
Fisheries	Seed Production	01	-	05	06	120	
Total		02		10	11	110	

On Farm Trials (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
Aquaculture	Low growth rate and survival	Floating pelleted Fish feed with Crude Protein: 20-22% Crude Lipid: 05-07% Crude Fiber: 11-14% Ash: 12-14% and Nitrogen free extract: 45-48%	Feeding of Fishes with Balanced Diet (Pelleted Fish Feed)	05	FCR: 1.39	2.23 t/ha	78,295	1:1.88
					Survival rate: 89.87%			
					Farmer Practice	0.6 t/ha	68,000	1:2.70
					FCR: 4.0			
					Survival Rate: 50%			

On Farm Trials Fisheries



Floating pelleted Fish feed

On Farm Trials (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
Seed Production	Unavailability of Fish seed	Hapa Breeding Method of Common Carp	Controlled Breeding of common carp (<i>Cyprinus carpio</i>) by Hapa Breeding Method.	06	Fertilization rate: 68.67%	1. 5000 fry/hapa	3480/hapa	1:2.62
					Hatching rate: 60.17%			
					Farmer Practice	Not yet practiced		

On Farm Trials Fisheries



Controlled Breeding of common carp (*Cyprinus carpio*) by Hapa Breeding

On Farm Trials (Vety. & Animal Sc)

Discipline	Crop / Enterprise	Number of technology/ Social Concept		No. of trials		% of achievement	Reasons for shortfall , if any
		Assessed	Refined	Target	Achievement		
Vety. & Animal Sc	Poultry	01	-	05	05	100	
Vety. & Animal Sc	Piggery	01	-	05	05	100	
Vety. & Animal Sc	Rabbitry	01	-	03	03	100	
Total		03		13	13	100	

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

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
Poultry	Non availability of improved breed of Poultry	Introducing a dual purpose bird (Vanaraja) at backyard farming to check the low body wt. gain and egg production by existing local birds.	Introduction of dual purpose Vanaraja bird	05	1. Average body wt. gain in 6 month: 2.7 kg	-	-	-
					2. Age at first laying: 22 wks	-	-	-
					3. Body wt. at first laying: 2.5 kg	-	-	-
					4. Average annual egg production: 120 no.s	-	-	-
					5. Hatchability: 70%)	-	-	-
					6. Disease Susceptibility: Prone to Ranikhet & Fowl pox	-	-	-
					7. Mortality: 10%	-	-	-
					Farmer Practice	-	-	-
					1. Average body wt. gain in 6 month: 1.5 kg	-	-	-
					2. Average annual egg production: 60 no.s	-	-	-

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

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
Piggery	Non availability of improved breed of Piggery	Introducing large black pig in backyard farming	Introduction of Large black pig	05	Average body weight gain in six month: 45 kg	Ongoing		
					Farmer Practice Average body weight gain in six month: 34 kg	-	-	-
Rabbitry	New intervention	Introducing rabbit farming.	Introduction of New Zealand White Rabbit	01	Average body weight gain at 6 month of age: 2.5 kg	-	-	-
					Age at first kindling: 7 months	-	-	-
					Average litter size: 5	-	-	-
					Farmer Practice	Not yet practice	-	-

OFT: Vety. & Animal Sc



Monitoring and weighing of Vanaraja birds

OFT: Vety. & Animal Sc



Piggery

OFT: Vety. & Animal Sc



New Zealand White Rabbit brought from ICAR, Jharnapani at the age of 45days



6½ month old New Zealand White Rabbit

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	Allrounder	05	05	100	-
Plant Protection	Rice	Var. CAU-R1	10	28.25	280	-
Plant Protection	Toria	Var. TS-38	05	12.5	250	-

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	Allrounder	66.9	61.5	64.2	56.6	13.4	48370	125762	77392	1.59

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	66.8	65.7	66.25	62.5 (Var. Deku)	6.0	42000	121380	79380	1.89

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)	%				
Toria	Var. TS-38	7.2	7.12	7.16	6.2	15.4	16560	45044	28484	1.72

FLD on Toria Var. TS-38



FLDs (Fisheries)

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for shortfall, if any
			Target	Achievement		
Fisheries	Aquaculture	01	05	07	140	
Fisheries	Rice-Fish Farming	01	05	03	60	Unavailability of Fish seed.
Total		02	10	10	100	

FLDs (Achievements): Fisheries

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)	%				
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)}	21.9	6.4	15.40	6.0	156	120000	277200	157200	2.31

FLD on Composite fish farming system



Collection of Fish Fingerlings



Stocking of seed at Ledum Village



Sampling at Nari Village



Farmer with produce at Mangnang Village

FLDs (Achievements) : Fisheries

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)	%				
Integrated farming system	<p>Rice cum fish culture</p> <p>Three species of IMC (Rohu, Catla and Mrigal) and two species exotic carps (Silver carp and Common carp) (1:1:1:1:1 ratio)</p>	1.8 (50.1)	1.2 (45.7)	1.6 (48.6)	NA (43.3)	NA (12.24)	39150	78122	38972	1.99

FLD on Rice-Fish farming system



Seed stocking at Mirem village



Collection of fishes in the rice field



Harvesting and sampling



Fishes collected from rice field

FLDs (Summary): Horticulture

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for short fall if any
			Target (ha)	Achievement (ha)		
Horticulture	Potato	Var. Kufri Pukhraj	1.0	1.0	100	-
Horticulture	Broccoli	Var. Aishwarya	1.0	1.0	100	-

FLDs (Achievements): Horticulture

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)	%				
Potato	Var. Kufri Pukhraj	271.5	265.5	268.5	227.4	18.07	90500	358380	267880	2.96

FLD Horticulture: Potato Var. Kufri Pukhraj



FLDs (Achievements): Horticulture

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)	%				
Broccoli	Var. Aishwarya	126.7	113.3	120.0	98.0	22.44	50500	290375	239875	4.75

FLD Horticulture: Broccoli Var. Aishwarya



FLDs (Summary): Agril. Engg.

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for shortfall, if any
			Target	Achievement		
Agril. Engg.	Okra & Cowpea/ Twin Wheel hoe	Weeding using Twin wheel hoe in row crops.	04	02	50	Non receipt of implements in time.
	Paddy/ Paddy drum seeder	Sowing of sprouted paddy seed using Paddy Drum Seeder.	02	02	100	
	Paddy/ Cono-weeder	Weeding using Cono weeder	01	01	100	
	Paddy/ Peddal thresher	Threshing using Peddal Operated Paddy Thresher	01	01	100	
	Niger/ Naveen Sickle	Harvesting using Naveen Sickle	01	01	100	
	Banana/ Post hole digger	Pit making using Post Hole Digger for planting banana	01	01	100	
Total			10	08	80	

FLDs (Achievements): Agril. Engg.

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	Q/Ha)	%				
Okra & Cowpea/ Twin Wheel hoe	Weeding using Twin wheel hoe in row crops.						2,400.00 LR-12man days/ha			Saved Rs.7600 and 38 man days per hectare over traditional manual weeding
Paddy/ Paddy drum seeder	Sowing of sprouted paddy seed using Paddy Drum Seeder.	49	49	49	48	02	32,933.33	58,800.0	25,866.67	1.78
Paddy/ Cono weeder	Weeding using Cono weeder						3000.00 LR- 15 man days/ha			Saved Rs.4000 and 20 man days per hectare over traditional manual weeding

FLD Agril. Engg.: Twin Wheel Hoe



Weeding using Twin Wheel Hoe under operation in line sown crops at Sikatode Village

FLD Agril. Engg.: Paddy Drum Seeder (8 row)



Sowing of sprouted paddy seed using 8 row drum seeder at Mirem Village



Paddy after 55 days of sowing



Matured Paddy crop ready for harvest

FLDs (Achievements): Agril. Engg.

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	Q/Ha)	%				
Paddy/ Peddal thresher	Threshing using Peddal Operated Paddy Thresher						6300.00 LR- 18 man days/ha			Saved Rs. 3700 and 17 man days per hectare over traditional threshing.
Niger crop/ Naveen Sickle	Harvesting crop using Naveen Sickle						7000.00 LR- 35 man days/ha			Saved Rs.2000 and 10 man days per hectare over harvesting by local sickle.
Banana/ Post hole digger	Pit making using Post Hole Digger for planting Banana						3360.00 980 pit/ha Pit Size (0.5m depth and 0.45m dia) R-R=3m, P-P=2.7m LR-1.4 man days/ha.			Saved Rs.2770 and 29.25 man days per hectare over manual digging.

FLD Agril Engg.: Cono weeder & Peddal Paddy Thresher



Weeding using Cono weeder under Paddy drum seeder line sown paddy field at Mirem Village



Threshing of paddy using Peddal Paddy Thresher at Runne Village

FLD Agril. Engg.: Post Hole Digger



Digging of pit using Post Hole Digger for Banana Plantation at GTC Farm

FLD Agril. Engg.: Naveen Sickle



Harvesting of Niger Crops using Naveen Sickle at GTC Farm

FLDs (Summary): Vety. & Animal Sc

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for shortfall, if any
			Target	Achievement		
Vety. & Animal Sc	Piggery	01	03	03	100	
Vety. & Animal Sc	Poultry	01	03	03	100	
Vety. & Animal Sc	Value addition of meat	01	45	45	100	
Total		03	51	51	100	

FLDs (Achievements): Vety. & Animal Sc

Crop / Enterprise	Technology demonstrated	No. of Farmers	Area(ha)/No. of Livestock/ Demo	Parameter assessed	Increase in yield (%)
Piggery	Deworming of pig	03	09	*Body wt. gain at maturity *Disease incidence	5% increased from local 60% decreased in parasitic infestation
Poultry	Vaccination of Ranikhet disease	03	30	Occurrence of Ranikhet Diseases	During the study period there was no occurrence of Ranikhet disease in both vaccinated and non-vaccinated birds.
Meat	Meat Pickle	45	02	Shelf life: 3 months Consumer acceptability: Good *Marketability: Good	30% 60% 30%

FLDs on Vety. & Animal Sc



Brooding management Vanaraja birds



Vanaraja birds in backyard



Brooding in local condition



Vanaraja birds egg

Vanaraja birds in Sikatode & Renging village

FLDs on Vety. & Animal Science



Value addition of meat

FLDs (Summary): Home Science

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for shortfall, if any
			Target	Achievement		
Home Science	Waste material/ Beehive briquette	1	5	2	40%	
Home Science	Vegetables/ Nutritional Gardening	1	5	7	140%	-
Total		2	10	9	90%	

FLDs (Achievements): Home Science

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)	%				
Energy Saving	Promotion of use of Beehives Briquettes as an alternative source of energy	-	-	-	-	-	Rs. 2400 (equipment and charcoal)	One briquette burn for 2 -2.5 hours	-	
Fruits and vegetables	Promotion of proper intake of balance diet through nutritional gardening	130	100	115	85	35.29	22000	56000	34000	2.5

FLD Home Science: Beehive briquette: An energy saving device



FLD Home Science: Nutritional Gardening



Training Programmes (Farmers)

Discipline	No. of courses			Farmers (Nos.)				Target Beneficiary (Nos.)	% achievement
	T	A	% of A	On	Off	Spon.	Total		
Plant Protection	11	12	109	19	273	222	514	330	155
Fisheries	11	07	64	-	135	-	135	330	41
Home Science	09	12	133.33	179	98	20	297	225	132.0
Horticulture	12	11	91.66	139	154	25	318	360	88.33
Vety. & AH	07	08	114.28	-	190	-	190	210	90.47
Agril. Engg.	13	05	38.46	-	108	-	108	390	27.69
Total	63	55	87.30	337	958	267	1562	1845	84.66

Training Programmes: Plant Protection



Nursery raising techniques training at Runne



IPM in Rice training at Sikatode village



Nursery management in Paddy training at Rotte and Sipu Village



Training Programmes: Fisheries



Composite Fish Farming training at Ledum village On campus district level farmers training



Training on Integrated Farming System at Ledum Sponsored training programme by eAgrikiosk

Training Programmes: Agricultural Engineering



Training programme on Paddy Drum Seeder at Rani Village



Training programme on drudgery reduction tools at Berung Village



Training programmed on Twin Wheel Hoe at Sikatode Village



Training programme on improved farm machinery at Mirem Village

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: Vety. & Animal Science



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	66.66	54	-	-	25	79	90	87.77
Fishery	04	04	100	54	56	-	-	110	120	91.66
Home Science	07	02	28.57	-	51	63	-	114	160	71.25
Horticulture	03	01	33.33	25	55	-	-	80	90	88.88
Vety. & AH	05	02	40	-	35	-	-	35	120	50
Agril. Engg.	03	01	-	-	-	25	-	25	90	27.77
Total	25	12	48.0	133	142	25	25	443	670	66.11

Training Programmes: Home Science



Value addition of Mango



Crafts made by rural youth



Value added products from locally available Hort. crops



Hands on training in progress

Training programmes: Vety. & Animal Science



Awareness training on Piggery and Poultry



Training on Backyard Poultry

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		
Horticulture Production and Management of Quality Planting Materials of Horticultural Crops for NE Region	01	01	100	-	-	20	-	20	100
Total	01	01	100	-	-	20	-	20	100

Training Programmes: Extension Personnel



Training in progress



Lecture session in progress



Trainees along with resource persons



Extension Activities

Extension Activity	Courses			Beneficiaries		
	Proposed/ Target in 2013-14	Achieve ment (Nos.)	% achieve ment	Proposed/ target (Nos.)	Achieve ment (Nos.)	% achieve ment
Field Day	06	03	50	360	98	27.22
Kisan Mela	02	03	150	350	2040	582.85
Kisan Gosthi	06	03	50	340	1009	296.76
Exhibition	02	03	150	480	1600	333.33
Film Show	36	06	16.66	400	315	78.75
Method Demonstration	18	08	44.44	306	205	66.99
Group Meeting	03	165	5500	135	1267	938.51
Lectures delivered as resource persons	36	53	147.22	900	1229	136.55
Advisory Services	120	504	420	Mass	523	-
News paper coverage	24	08	33.33	Mass	Mass	Mass
Extension Literature	18	20	111.11	Mass	Mass	Mass

Extension Activities

Extension Activity	Courses			Beneficiaries		
	Proposed/ Target in 2013-14	Achievement (Nos.)	% achievement	Proposed/ target (Nos.)	Achievement (Nos.)	% achievement
Scientific visit to farmers field	72	90	125	200	263	131.5
Farmers visit to KVK	60	89	148.33	180	1407	781.66
Diagnostic visits	72	204	283.33	225	523	232.44
Exposure visits	02	13	650	30	762	2540
Farm Science Club Conveners meet	02	-	-	40	-	-
Self Help Group Conveners meet	06	-	-	120	-	-
Popular articles	12	10	83.33	Mass	Mass	Mass
Arunachal Agri Expo	01	01	100	250	500	200
Total	498	1183	237.55	4316	11741	272.03

Union Minister of Agriculture & Food Processing Industries visit to Pasighat



DG ICAR visit to Pasighat



Arunachal State Agri/ Horti Expo at Pasighat



Other Extension Activities



NE Agri Fair at Gangtok, Sikkim



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



Farmers Awareness programme on PPVFR

Other Extension Activities



Kishan Goshti at Bodak village



Kishan Mela at Pasighat



Farmers Exposure visit to DRMR, Bharatpur



Diagnostic visit to Potato FLD site

Other Extension Activities



Exposure visit of Farmers Club to Assam



Exposure visit to KVK Instructional Farm



Awareness cum Orientation Programme of NABARD sponsored Farmers Club



Other Extension Activities



Field Day in Potato Crop



Exposure visit to KVK Instructional Farm



MS Swaminathan Award to KVK farmers



ATMA sponsored Farmers Exposure visit

ATMA Sponsored Farmers Field School



District Level Farmers Exposure Visit



Seed Materials

Item	Crop	Variety	Proposed quantity/ Target (q) (2013-14)	Quantity produced (q)	% achieve ment	Value (Rs.)	Qty Supplied/ Provided to (No. of farmers)
Cereals	Rice	CAU R-1	5.0	10.0	200	25000	30
Pulses	Pea	Swarna Mukti	0.5	0.6	120	6000	-
Oilseeds	Toria	TS-46	0.5	3.4	680	10200	-
	Groundnut	ICGS-76	-	1.17	-	11700	-
	Soybean	JS-335	-	1.10	-	3990	-
	Niger	Local	-	1.37	-	6850	-
	Cowpea	Kashi Kanchan	-	1.04	-	10400	70
	Potato	Kufri Megha	-	1200.0	-	24000	-
Total	-	-	6.0	1218.68	1000	98140	100

Instructional Farm Activities



Vegetables grown in Crop Cafeteria at KVK in Instructional Farm

Instructional Farm Activities



Vegetables grown in Crop Cafeteria at KVK in Instructional Farm

Planting Materials

Item	Crop	Variety	Proposed quantity/ Target (q) (2013-14)	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	20.0 q	-	-	-	-
	Ginger	Nadia	20.0 q	-	-	-	-
Vegetables	Tomato	H-86	5000 no.	5000	100	2500	50
	Brinjal	Swarna Shymali	5000 no.	5000	100	2500	50
	Cauliflower		5000 no.	5000	100	2500	50
	Cabbage	Wonder Ball	5000 no.	5000	100	2500	50
Total	-	-	40.0 q/ 20500 no.s	20000	-	10000	200

Instructional Farm Activities at a Glance



Maize intercropped with Som (*M. bombycina*)



High Density plantation of pineapple Var. Kew



Integrated Farming system model



Introduction of Azolla

Bio-products

Item	Product Name	Species	Proposed quantity (2013-14)		Quantity produced		% achievement	Value (Rs.)	Qty supplied and No. of farmers	
			No.	Kg.	No.	Kg.			No.	Kg.
Bio-agents	-	-	-	-	-	-	-	-	-	-
Bio-fertilizers	Dhaincha	<i>Sesbenia</i> sp.	-	50	-	25	50	1250	-	-
Bio-pesticides	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	50	-	25	50	1250	-	-

Instructional Farm Activities



Pant Dhaincha-1



Net house for Vegetable Nursery Raising

Status of Revolving Fund of KVK during 2013-14

Sl. No.	Activities/ Enterprise	Income generated (Rs.)
1.	Seed, Fingerlings and Planting material production	144655.00
	Total (Opening balance+ Income)	179281.00

Revenue(R) generation by KVK from different sources during 2013-14

Sl. No.	Activity/ Enterprise	Source(s)/ Funding Agency	Revenue (Rs.)
1.	Seed Production	ICAR, New Delhi	91940.00
2.	Planting material	ICAR, New Delhi	16000.00
3.	Fingerlings	ICAR, New Delhi	2000.00
		Total	109940.00

Research Publications

Hussain, Shah, M., Pathak Mahesh, Riba Toge, Sen Debashish and Singh, MP. 2013. Controlled breeding of common carp (*Cyprinus carpio*) in East Siang district, Arunachal Pradesh. *J. Appl. Zool. Res.*, 24 (2): 169-172.

Hussain, Shah, M., Sen Debashish, Pathak Mahesh and Singh, MP. 2013. Comparative Study of Composite Fish Culture (CFC) and Local Practices of Fish Culture in East Siang District, Arunachal Pradesh. *Indian Journal of Hill Farming*, 26 (2): 32-34.

Kumar Sunil, Shakywar RC, Tomar Krishna S and Pathak Mahesh. 2013. Varietal screening of rose (*Rosa x hybrida*) cultivars and *in vitro* efficacy of fungicides against black spot disease (*Diplocarpon rosae* Wolf.) in Arunachal Pradesh condition. *Global Journal of Environmental Science and Technology* 1(1): 15-19.

Kumar Sunil, Tomar Krishna S, Shakywar RC, Sen Debashish and Pathak Mahesh. 2013. Screening Rose Varieties Against Black Spot Disease and its Management in East Siang District of Arunachal Pradesh. *International Journal of Agriculture, Environment and Biotechnology* 6 (4): 639- 645.

Research Publications

Kumar Sunil, Tomar, Krishna S, Shakywar, RC and Pathak Mahesh. 2013. Integrated Management of Powdery mildew of Gerbera under polyhouse condition in Arunachal Pradesh. *HortFlora Research Spectrum*, 2 (2): 130-134.

Pathak Mahesh, Shakywar, RC and Sah, Dinesh. 2013. Biodiversity of insect pests, natural enemies and diseases in SRI and traditional system of rice cultivation in North East Region of India. *Oryza*, 50 (4): 370-374.

Patidar, J, Patidar, RK, Shakywar, RC and Pathak, M. 2013. Bio-efficacy of plant extracts against *Bagrada hilaris*. *Ann. Pl. Protec. Sci.* 21 (2): 425-426.

Patidar, J, Patidar, RK, Shakywar, RC and Pathak, M. 2013. Host preference and survivability of *Bagrada hilaris* (Burmeister, 1835) on off season crops. *Ann. Pl. Protec. Sci.* 21 (2): 273-275.

Research Publications

Shakywar, RC, Pathak, M, Singh Siddhartha, Kumar Mukul and Kumar Sunil. 2013. Integrated Management of *Alternaria* Blight of Pigeon pea in Arunachal Pradesh. *Ann. Pl. Protec. Sci.* 21 (2): 444-446.

Shakywar, RC, Pathak, SP, Pathak Mahesh, Tomar, KS and Singh Hem. 2013. Developmental behavior of leaf blight of taro caused by *Phytophthora colocasiae*. *Vegetos*, 2 (1): 167-170.

Shakywar, RC, Pathak, SP, Tomar, Krishna S and Pathak M. 2013. Effect of sowing dates on Phytophthora blight of Taro (*Colocasia esculenta* var. *antiquorum*). *HortFlora Research Spectrum*, 2 (2): 166-168.

Shakywar, RC, Pathak, SP, Tomar, Krishna S, Pathak M and Sen Debashish. 2013. Epidemiological Studies of Diverse Taro Genotype against Leaf Blight caused by *Phytophthora colocasiae* Racib. *International Journal of Bio-resource and Stress Management*, 4 (3): 408-411.

Book Chapters

Hussain SM and Singh MP. 2013. Rice-Fish Farming and Fish as a component of Integrated Pest Management in Rice Production Pages 192-201 in Hill Aquaculture (Singh, MP and Saha, RK, eds.). Directorate of Extension Education, CAU, Imphal, Manipur. p. 247.

Shakywar, RC, Pathak Mahesh and Singh, HK. 2013. Integrated disease management of pulse crops: present status and future thrust. Pages 79-125 *in* Innovative Approaches in Plant Disease management (Singh, KP, Prajapati, CR and Gupta, AK, eds.). LAP, Lambert Academic Publishing GmbH & Co. Germany. ISBN No. 978-3-659-36167-8.

Popular Articles

Hazarika, BN, Riba, T and Pandey, AK. 2014 Khasi Mandarin in Arunachal Pradesh: Healthy Orchards Wealthy Farmers. . *In* Souvenir- Arunachal Agri Expo-2014 (January 23-24, 2014). Organized by College of Horticulture & Forestry, Central Agricultural University and Krishi Vigyan Kendra East Siang, Pasighat, Arunachal Pradesh. pp. 1-4.

Hussain SM, Dutta Rajdeep, Chonkar DS, Pathak M and Singh MP. 2014. Rice cum Fish culture in higher altitude with special reference to Ziro valley, Arunachal Pradesh. *CAU Farm Magazine* Vol.4 No. 1. January - March: 9-11. ISSN No. 2279-0454.

Hussain SM, Pathak M and Singh Premjit M. 2014. Water Quality management for Fresh Water Fish Farming. *In* Training Manual of NFDB Sponsored Farmers Training Programme on Scientific Fish Culture Technologies for Tirap district, Arunachal Pradesh. Organized by Krishi Vigyan Kendra Tirap, Department of Agriculture, Government of Arunachal Pradesh, Itanagar. pp. 17-22.

Popular Articles

Hussain SM, Pathak M, Hazarika, BN, Phukan BR and Singh Premjit M. 2014. Present Status and Future Prospect of Aquaculture in Arunachal Pradesh. *In* Souvenir- Arunachal Agri Expo-2014 (January 23-24, 2014). Organized by College of Horticulture & Forestry, Central Agricultural University and Krishi Vigyan Kendra East Siang, Pasighat, Arunachal Pradesh. pp. 85-88.

Hussain, S.M, Pathak Mahesh, Sen D., Pandey, A.K. and Singh, Premjit M. 2013. Induced Breeding of Walking Cat Fish (Magur) for Nutritional Security and Livelihood Support. *In* Souvenir - Meen Arunachal “1st Ever Arunachal Meen Mahotsav 2013” 21st -22nd November 2013. Organized by Department of Fisheries, Government of Arunachal Pradesh, Itanagar. pp. 35-37.

Hussain, SM, Riba, T, Pathak Mahesh and Singh, Premjit M. 2013. Eco Friendly Fishing method (Lipum) practiced by tribal communities of East Siang district of Arunachal Pradesh. *In* Souvenir - National Seminar on Farmers’ Innovative Practices in Fisheries and Aquaculture (July 10th, 2013). Organized by Krishi Vigyan Kendra Thoubal, Wangbal-795138, Manipur. pp. 40-42.

Kumawat, MM and Pathak, M. 2013. Jaivik Vidhi Se Nashijivon Ka Niyantran. *Star Krishi* (May edition), pp. 22-28.

Longjam Neeta, Vida Th. E., and Salam R. 2014. Livestock Based Integrated Farming System. *In Souvenir- Arunachal Agri Expo-2014* (January 23-24, 2014). Organized by College of Horticulture & Forestry, Central Agricultural University and Krishi Vigyan Kendra East Siang, Pasighat, Arunachal Pradesh. pp. 89-92.

Pandey, AK, Singh KM and Vida Th. E. 2014. Organic Production of Vegetables in India: issues and Strategies. *In Souvenir- Arunachal Agri Expo-2014* (January 23-24, 2014). Organized by College of Horticulture & Forestry, Central Agricultural University and Krishi Vigyan Kendra East Siang, Pasighat, Arunachal Pradesh. pp. 20-26.

Patidar, RK, Pathak M, Singh KM, Shakywar RC and Pandey, AK. 2014. Vermicompost: Need of Today and Tomorrow. *In Souvenir- Arunachal Agri Expo-2014* (January 23-24, 2014). Organized by College of Horticulture & Forestry, Central Agricultural University and Krishi Vigyan Kendra East Siang, Pasighat, Arunachal Pradesh. pp. 31-32.

Patidar, RK, Pathak M, Singh KM, Shakywar RC and Pandey, AK. 2014. Economic Importance, Host Range, Symptoms and Management of Root Knot Nematode (*Meloidogyne* sp.) in Vegetable Crops. *In* Souvenir-Arunachal Agri Expo-2014 (January 23-24, 2014). Organized by College of Horticulture & Forestry, Central Agricultural University and Krishi Vigyan Kendra East Siang, Pasighat, Arunachal Pradesh. pp. 44-46.

Patidar, RK, Shakywar, RC and Pathak, M. 2013. Uttar Poorvi Chetron Mein Subjiyon Mein Lagne Wale Jhar Ganth Sutrkrami Ka Prabandhan. *Star Krishi* (April edition), pp. 19-20.

Piloo Ng, Vida Th. E., Tiwari S and Pandey AK. 2014. Minimal Processing of Vegetables: In Step With Yours Fast Pace Life Style. *In* Souvenir- Arunachal Agri Expo-2014 (January 23-24, 2013). Organized by College of Horticulture & Forestry, Central Agricultural University and Krishi Vigyan Kendra East Siang, Pasighat, Arunachal Pradesh. pp. 93-97.

Sah Dinesh, Shakywar, RC and Pathak, M. 2013. Chara Utpadan ki Samasyein Evam Samadhan. *Star Krishi* (September edition), pp. 20-24.

Sah Dinesh, Shakywar, RC and Pathak, M. 2013. Jal Sansadhan Prabandhan. *Star Krishi* (June edition), pp. 22-28.

Sah, D, Sen D, Pathak M, Shakywar RC, Singh V, Dubey RK and Pandey, AK. 2014. Integrated Weed Management in Vegetable Crops. *In* Souvenir- Arunachal Agri Expo-2014 (January 23-24, 2014). Organized by College of Horticulture & Forestry, Central Agricultural University and Krishi Vigyan Kendra East Siang, Pasighat, Arunachal Pradesh. pp. 33-36.

Sah, Dinesh, Pathak Mahesh and Shakywar, RC. 2014. Uttar Purvi Bharat Mein Urad bean ki Vaigyanik Kheti. *CAU Kisan Diary*: 108-109.

Sen Debashish, Riba Toge, Pathak Mahesh, Hussain SM, Sah Dinesh and Shakywar RC. 2013. System of Rice Intensification (SRI): A Success story in East Siang District, Arunachal Pradesh. *CAU Farm Magazine* Vol.3 No. 4. October-December: 7-8. ISSN No. 2279-0454.

Shakywar, RC and Pathak, M. 2013. Madhumakhi (Moan) Palan: Ek Labhdayak Gharalu Upyog. *Star Krishi* (August edition), pp. 12-14.

Shakywar, RC and Pathak, M. 2013. Neem ka Krishi Kshetra Mein Mahatva. *Star Krishi* (September edition), pp. 03-04.

Shakywar, RC and Pathak, M. 2013. Tamatar Mein Kawak Evam Jivanu Ke Dwara Hone Wala Uktha Rog Ka Prabandhan. *Star Krishi* (July edition), pp. 12-13.

Shakywar, RC, Pathak, M and Patidar, RK. 2013. Button Mushroom Ke Pramukh Rog Evam Keet Aur Unka Prabandhan. *Star Krishi* (April edition), pp. 07-16.

Singh, RK, Singh SM and Pathak Mahesh. 2014. Intercropping and Weed Management of Citrus Orchards in North-Eastern Region. *In* Souvenir-Arunachal Agri Expo-2014 (January 23-24, 2014). Organized by College of Horticulture & Forestry, Central Agricultural University and Krishi Vigyan Kendra East Siang, Pasighat, Arunachal Pradesh. pp. 37-38.

Tomar, KS, Mehra, TS, Shakywar, RC and Pathak, Mahesh. 2013. Pusp Nirjalikaran: Gramin Ajivika Ke Liye Vyavasai Ka Uttam Avsar. *Star Krishi* (October edition), pp. 07-10.

Vida Th. E., Piloo Ng and Longjam Neeta. 2014. Tomato: A Fruit of Substance. *In* Souvenir- Arunachal Agri Expo-2014 (January 23-24, 2014). Organized by College of Horticulture & Forestry, Central Agricultural University and Krishi Vigyan Kendra East Siang, Pasighat, Arunachal Pradesh. pp. 80-82.

Vida, Th E, Piloo and Pathak M. 2014. Home Scale Preparation of Tapioca Chips: New Enterprise towards Women Empowerment in East Siang district of Arunachal Pradesh. *In* Technical Bulletin Vol. 1 on Integrating Small Scale Enterprises to Farm based Livelihood: Successful KVK Initiatives in North East Region. Published by Zonal project Directorate, Zone-III, Indian Council of Agricultural research, Umiam, Meghalaya. pp. 10-12.

Papers presented in Seminars/Symposia/Conferences/Workshops/Abstracts published

- Hussain Shah M, Sen Debashish, Riba Toge, Pathak Mahesh and Shakywar, RC. 2014. Lipum- An ITK of Fishing Practiced for Sustainable Livelihood in Siang Belt of Arunachal Pradesh. Paper presented in National Seminar on “*Adaptation and Mitigation Strategies of Climate Change for Sustainable Livelihood*” held at Uttar Banga Krishi Vishwavidyalaya, Cooch Behar, West Bengal, India March 05-7th, 2014. pp 29.
- Kumar, M, Ranjan, R, Kumari, C, Shekhar, S and Pathak Mahesh. 2013. Pest Problems of Chickpea in northern Chotanagpur Plateau of Jharkhand and their Integrated Management. *In* National Symposium on Crop pathosystem interactions under aberrant weather and perspectives for crop health management & Twenty Sixth annual general meeting of Indian Pathological Society (Eastern Zone), held at Central Rainfed Upland Rice research Station (CRRI, ICAR), Hazaribag, Jharkhand on 24-25th October 2013. pp. 18-19.
- Kumar, M, Ranjan, R, Kumari, C, Shekhar, S and Pathak Mahesh. 2013. Integrated Crop Management in Rainfed Rice under northern Chotanagpur Plateau of Jharkhand. *In* National Symposium on Crop pathosystem interactions under aberrant weather and perspectives for crop health management & Twenty Sixth annual general meeting of Indian Pathological Society (Eastern Zone), held at Central Rainfed Upland Rice research Station (CRRI, ICAR), Hazaribag, Jharkhand on 24-25th October 2013. pp. 44-45.

•Patidar, RK, Singh, KM, Pathak, M and Shakywar, RC. 2013. Effect of *Streptomyces pupeofuscus* MTCC 6473 on juvenile invasion, development and reproduction of root-knot nematode, *Meloidogyne incognita* infecting tomato cv. Pusa Ruby. In National Symposium on Crop pathosystem interactions under aberrant weather and perspectives for crop health management & Twenty Sixth annual general meeting of Indian Pathological Society (Eastern Zone), held at Central Rainfed Upland Rice research Station (CRRI, ICAR), Hazaribag, Jharkhand on 24-25th October 2013. pp. 43-44.

•Patidar, RK, Singh, KM, Pathak, M and Shakywar, RC. 2013. In vitro effect of *Streptomyces pupeofuscus* MTCC 6473 cell free filtrate and solvent extract on egg hatch and juvenile activity of root-knot nematode, *Meloidogyne incognita*. In National Symposium on Crop pathosystem interactions under aberrant weather and perspectives for crop health management & Twenty Sixth annual general meeting of Indian Pathological Society (Eastern Zone), held at Central Rainfed Upland Rice research Station (CRRI, ICAR), Hazaribag, Jharkhand on 24-25th Oct' 2013. pp. 44.

•Riba, T, Pathak, M, and Shakywar, RC. 2013. Pattern of Diseases, Insect pests and Natural enemies in Rice Ecosystem of East Siang, Arunachal Pradesh. In National Symposium on Crop pathosystem interactions under aberrant weather and perspectives for crop health management & Twenty Sixth annual general meeting of Indian Pathological Society (Eastern Zone), held at Central Rainfed Upland Rice research Station (CRRI,ICAR), Hazaribag, Jharkhand on 24-25th Oct'2013. pp. 20-21.

- Riba, T, Pathak, M, Shakywar, RC. and Tomar, KS. 2013. Integrated Crop Management in brinjal and lady's finger in Arunachal Pradesh. *In* National Symposium on Crop pathosystem interactions under aberrant weather and perspectives for crop health management & Twenty Sixth annual general meeting of Indian Pathological Society (Eastern Zone), held at Central Rainfed Upland Rice research Station (CRRI, ICAR), Hazaribag, Jharkhand on 24-25th October 2013. pp. 45-46.
- Sah Dinesh, Shakywar RC and Pathak Mahesh. 2013. Prevalence of diseases in SRI (System of Rice Intensification) and traditional system of rice cultivation in North Eastern region. *In* National Symposium on Crop pathosystem interactions under aberrant weather and perspectives for crop health management & Twenty Sixth annual general meeting of Indian Pathological Society (Eastern Zone), held at Central Rainfed Upland Rice research Station (CRRI, ICAR), Hazaribag, Jharkhand on 24-25th October 2013. pp. 22.
- Sen Debashish, Pathak Mahesh, Shakywar RC, Sah Dinesh, Riba Toge and Singh Premjit M. 2014. Comparative Study of Insect Pests, Natural Enemies and Diseases in SRI and Wetland Rice in Foothills of Arunachal Pradesh. Paper presented in *AZRA Silver Jubilee International Conference "Probing Bioscience for Food Security and Environmental Safety"* 16th-18th Feb., 2014 held at CRRI Cuttack, India. pp. 94.95.

•Shakywar, RC, Pathak M, and Pandey, AK. 2013. Effective IPM approaches to boost the production of Okra and Brinjal in East Siang district of Arunachal Pradesh- An Appraisal. *In* National Symposium on Innovative and Modern Technologies for Sustainable Agriculture & Rural Development held at Vigyan Parishad Hall, Allahabad University, Allahabad, Uttar Pradesh, 19-20 October, 2013. pp. 89-90.

•Shakywar, RC, Pathak, SP, Pathak M and Tomar, KS. 2013. Response of taro (*Colocasia esculenta* var. *antiquorum*) genotypes against leaf blight (*Phytophthora colocasiae* Raciborski). *In* National Symposium on Crop pathosystem interactions under aberrant weather and perspectives for crop health management & Twenty Sixth annual general meeting of Indian Pathological Society (Eastern Zone), held at Central Rainfed Upland Rice research Station (CRRI, ICAR), Hazaribag, Jharkhand on 24-25th October 2013. pp. 43.

•Shakywar, RC, Pathak, SP, Pathak M, Patidar, RK and Tomar, KS. 2013. Simulated selection of diverse potato varieties/ hybrids on slice of fresh and storage tubers against dry rot. *In* National Symposium on Crop pathosystem interactions under aberrant weather and perspectives for crop health management & Twenty Sixth annual general meeting of Indian Pathological Society (Eastern Zone), held at Central Rainfed Upland Rice research Station (CRRI, ICAR), Hazaribag, Jharkhand on 24-25th October 2013. pp. 42.

•Vida Th. Eloni, Pilo Ng., Lonjam Neeta, Pathak, M and Pandey, AK. 2013. Contribution of Women in Agriculture with special reference to Arunachal Pradesh. *In* National Symposium on Innovative and Modern Technologies for Sustainable Agriculture & Rural Development held Vigyan Parishad Hall, Allahabad University, Allahabad, Uttar Pradesh, 19-20 October, 2013. pp. 20-21.

Extension Literature

Item	Title	Authors name	No. of copies
Leaflets/ Folders/ Bulletins	Value addition of Mango	Th. Eloni Vida	200
	Value added products	Th. Eloni Vida	200
	Snacks Preparation	Th. Eloni Vida	200
	Citrus fruit drop management	Toge Riba	200
	Integrated pest management in rice	Toge Riba	200
	Rice cum fish farming system	S.M. Hussain	200
	Composite fish farming system	S.M. Hussain	200
	Integrated farming system	S.M. Hussain	200
	Package of practice for brooding management	Neeta Longjam	200
	Vaccination schedule for backyard poultry	Neeta Longjam	200
	Prevention of some economically important diseases of pig in Arunachal Pradesh	Neeta Longjam	200
	Package of Practice for Small scale Broiler production	Neeta Longjam	200
	Pineapple cultivation with mulching	R.K. Singh	200

Media Coverage of KVK Activities





Thank you
(Airudo)