

Annual Report

April 2010 – March 2011



Krishi Vigyan Kendra
East Siang, Arunachal Pradesh
Central Agricultural University, Imphal
(Establishment Year: 2006)

Staff Position

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.	Mr. Jintu Rajkhowa	Computer Programmer / Programme Assistant	Computer Application
6.	Mrs. Nabum Yadi	Programme Assistant	Plant Protection
7.	Mr. Naloh Darang	Supporting Staff	-
8.	Mr. Tatok Takuk	Supporting Staff	-

On Farm Trials (Summary)

Discipline	Crop / Enterprise	Number of technology/ Social Concept		No. of trials		% of achievement	Reasons for shortfall, if any
		Assessed	Refined	Target	Achievement		
Plant Protection	Brinjal	01	-	05	08	160	-
	Pea	01	-	05	05	100	-
	Toria	01	-	10	02	20	Availability of seed
Fisheries	Construction of polythene lined water storage tank and its uses for Aquaculture and Horticulture production	01	-	01	03	300	-
Home Science	Zero Energy Cool Chamber	01	-	04	03	75	Availability of Bricks

On Farm Trials: Plant Protection

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
Brinjal	Low yield and high pest incidence	IPM, Varietal performance of (1) Swarna Pratibha (2) Swarna Shymali Spacing (70 X 50 cm)	Performance of Var. Swarna Pratibha and Swarna Shymali and pest incidence	08	Yield per hectare and Pest Incidence	1) 12.00 Qt/ha	3600.00	1.60
						(2) 14.41 Qt/ha	5528.00	1.92
					Farmer Practice	Farmer Practice		
					Variety Indian Black Long	19.29 Qt/ha	9432.00	2.57
						14 % fruit and shoot borer incidence		

On Farm Trials: Plant Protection

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
Pea	Low Yield and high pest incidence	Improved pea varieties (1) Swarna Amar (2) Swarna Mukti	Performance of Var. Swarna Amar and Swarna Mukti	05	Yield per hectare and pest incidence	(1) 4.52 Qt/ha (pod)	7560.00	1.35
						(2) 4.26 Qt/ha (pod)	6780.00	1.27
						Leaf miner incidence (10%), Pod borer incidence (7%), Powdery mildew incidence (6%).		
					Farmer Practice	Farmer Practice		
					1. Local Variety	Yield 3.66 Qt/ha LM (18%), PB (13%), PM (11%)	4980.00	1.2

On Farm Trials: Plant Protection

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
Rapeseed and mustard (Torja)	Low Yield and High incidence of pest and diseases	IPM (Seed treatment with Cartap @ 2g/kg seed followed by spray of Metasystox @ 2.5 ml/liter of water at 25 and 40 DAS)	Integrated pest management (IPM) in Rapeseed and Mustard (Torja) Var. TS-38	2	Yield per hectare and pest incidence	7.18 Qt/ha in IPM fields	13540.00	1.79
					Farmer Practice	Farmer Practice		
					1. Local Variety	6.37 Qt/ha	9925.00	1.60
					2. Non IPM	Mustard Sawfly (19%) , Aphids (17%) and Cabbage caterpillar (13%)		

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 and Horticulture production	High seepage, Seasonal ponds, low water level	Silpaulin, Tarpaulin sheet ,250 GSM for tanks 150 m ² and above; 150 GSM for tanks 20 m ² ; Production of carried over fish fingerlings using polythene lined tanks.	Construction of polythene lined water storage tank and its uses for aquaculture and Horticulture production	3	Survival % of fry to fingerling 80%	1,60,000 No.s fingerlings/ha	2,80,000	2.4
					Farmer Practice			
					1. No Hatchery	-	-	-
					2. Not yet practiced by farmers	-	-	-

On Farm Trials: Home Science

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
Storage management	High perishability of fruits & vegetables and lack of storage	Zero energy cool chamber	Effectiveness of Zero energy cool chamber	3	Shelf life, appearance, weight loss, yellowing, shrinkage/ wilting, rotting	Increased shelf life of vegetables viz. Tomato, Pea, Knol Khol and Radish by 6, 5, 6 and 5 days respectively. 100 kg/Unit	-	-
					Farmer Practice	Farmer Practice		
					1. Less popular among farmers	1. Yet to reach among common man		

FLDs (Summary)

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for shortfall, if any
			Target (ha)	Achievement (ha)		
Plant Protection	Rape seed (Torja)	Var. TS-38	5	5	100	-
Plant Protection	Rice	Var. CAU-R1	5	3	60	Availability of seed
Plant Protection	Pea	Var. Azad Pea-1	1	1	100	
Plant Protection	Potato	Var. Kufri Khyati	1	0.5	50	Availability of seed
Fisheries	Fish	Composite fish farming system	1.5	3.0	200	-
Fisheries	Rice-Fish	Rice cum fish culture	0.5	1.5	300	-
Home Science	Tapioca	Preparation of Tapioca chips and flour	-	-	93 farmers	-
Home Science	Vegetables	Nutritional/ kitchen gardening	0.05	0.02	50	Availability of seed

FLDs (Achievements): Plant Protection

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)	%				
Rape seed (Torja)	Var. TS 38	7.39	6.97	7.18	6.37 (M-27)	12.70	8000	21540	13540	2.69
Rice	CAU-R1	69.72	67.3	68.51	60.28 (Deku)	13.65	36800	1,37020	1,00220	3.70
Pea	Azad Pea-1	5.08	4.54	4.81 (pod)	3.66 (Local)	31.42	20400	24050	9650	1.17
Potato	Kufri Khyati	362.5	313.9	310.7	286.3 (Kufri Joyti)	8.52	90000	3,10700	2,20700	3.45

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)	%				
Fishery	Composite fish farming system	22.0	15.0	18.5	7.0 – 12.0	54.1	1,00000	2,22000	1,52000	2.22
Rice-Fish	Rice cum fish culture	90.0	89.0	89.5	82.0	9.15	55500	1,02100	46600	1.84

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)	%				
Tapioca	Value addition	Rs. 85/ kg	Rs. 75/ kg	Rs. 80/ kg	Rs. 10/ kg	Rs. 30/ kg	Rs. 50/ kg	Rs. 80/ kg	Rs. 30/ kg	1.6
Vegetables	Nutritional / kitchen gardening	150	110	128.60	76.20	68.76	4,86000	13,59000	8,73000	2.8

Training Programmes (Farmers)

Discipline	No. of courses			Farmers (Nos.)				Target Beneficiary (Nos.)	% achievement
	T	A	% of A	On	Off	Spon.	Total		
Crop Production	5	4	80	20	43	19	82	150	54.70
Horticulture	5	7	140	-	140	-	140	150	93.30
Home Science	12	14	116	23	475	-	498	360	138.30
Plant Protection	12	14	116	-	554	-	554	360	153.90
Fisheries	12	16	133	32	482	-	514	360	142.80
Total	46	55	83.63	75	1694	19	1788	1380	129.57

Training Programmes (Rural Youth)

Discipline	No. of courses			Rural Youth (Nos.)					Target Beneficiary (Nos.)	% achievement
	T	A	% of A	On	Off	Spon.	Voc.	Total		
Home Science	5	4	80	-	113	-	-	113	150	75.30
Fishery	5	5	100	-	214	-	-	214	150	142.60
Plant Protection	5	4	80	-	122	-	-	122	150	81.3
Total	15	13	86.66	-	449	-	-	449	450	99.70

Training Programmes (Extension Functionaries)

Discipline	No. of courses			Extn Functionaries (Nos.)				Target Beneficiary (Nos.)	% achievement
	T	A	% of A	On	Off	Spon.	Total		
Entrepreneurship Development	3	1	33.33	19	-	-	19	60	31.66
Total	3	1	33.33	19	-	-	19	60	31.66

Extension Activities

Extension Activity	Courses			Beneficiaries		
	Proposed/ Target in 10-11 action plan	Achievement (Nos.)	% achievement	Proposed/ target (Nos.)	Achievement (Nos.)	% achievement
Diagnostic visits	50	75	150	100	195	100
Advisory Services	05	04	80	100	226	100
Training manual	01	02	200	50	70	100
Exhibition	01	01	100	300	2061	100
Exposure visits	01	03	300	30	60	100
Extension Literature	09	11	122	900	2000	100

Extension Activities

Extension Activity	Courses			Beneficiaries		
	Proposed/ Target in 10-11 action plan	Achievement (Nos.)	% achievement	Proposed/ target (Nos.)	Achievement (Nos.)	% achievement
Farm Science Club Conveners meet	10	01	10	20	18	90
Farmers Visit to KVK	100	40	40	100	200	100
Field Day	01	02	200	50	118	100
Film Show	05	10	200	250	300	100
Kisan Gosthi	01	02	200	73	107	100
Kisan Mela	01	02	200	300	5022	100

Extension Activities

Extension Activity	Courses			Beneficiaries		
	Proposed/ Target in 10-11 action plan	Achievement (Nos.)	% achievement	Proposed/ target (Nos.)	Achievement (Nos.)	% achievement
Lectures delivered as resource persons	04	25	625	120	800	100
Method Demonstrations	03	20	666	110	200	100
Newspaper coverage	05	02	40	Mass	-	-
Popular articles	03	04	120	Mass	-	-
Radio talks	05	02	40	Mass	-	-
Scientists visit to farmers field	50	75	150	100	195	100
Total	255	281	110	-	11572	-

Seed Materials

Item	Crop	Variety	Proposed quantity/ Target (Qt) (10-11)	Quantity produced (Qt)	% achievement	Value (Rs.)	Qty Supplied/ Provided to (No. of farmers)
Cereals	-	-	-	-	-	-	-
Oilseeds	Sesamum	AST-1	1.5	1.0	67	2000	24
	Toria	TS-36	1.5	1.0	67	2000	23
Pulses	Pea	Arkel	0.05	0.03	60	150	-
	Pea	Swarna Mukti	0.10	0.07	70	350	-
Vegetables	-	-	-	-	-	-	-
Flowers	-	-	-	-	-	-	-
Others	Dhaincha	Pant Dhaincha-1	1.5	1.0	67	1500	13
Total	-	-	4.65	3.10	-	6000	60

Planting Materials

Item	Crop	Variety	Proposed quantity/ Target (Qtl) (10-11)	Quantity produced (Qtl)	% achievement	Value (Rs.)	Qty Supplied/ Provided to (No. of farmers)
Fruits	-	-		-	-	-	-
Spices	Turmeric	Megha Turmeric-1	50	20	40	2400	20
Forest Species	-	-	-	-	-	-	-
Vegetables							
Plantation Crops	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-
Total	-	-	50	20	-	2400	20

Action Photos (On Farm Trials)



Action Photos (Front Line Demonstrations)



Action Photos (Trainings)



Action Photos (Extension Activities)



Thank You