

**KRISHI VIGYAN
KENDRA
Saiha District, Mizoram**

**Front Line Demonstration
(2014-15)**

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		
Plant Protection	Broccoli	1	10	10	100	-
	Banana	1	10	10	100	-
Horticulture	Tomato	1	10	10	100	-
	Brinjal	1	10	10	100	-
Soil Science	Rice - SRI	1	10	10	100	-
	Rice - INM	1	10	10	100	-
Home Science	Nutritional Gardening	1	10	5	50	
	Different Techniques of Soybean Processing for income generation.	1	10	15	150	-
AH & Vety	Backyard rearing of vanaraja birds	1	10	15	150	-
	Fodder conservation	1	10	5	50	Needs awareness
Total	10	10	100	105		-

FLDs (Discipline-Wise Achievements)

Discipline/ Area: Horticulture

Crop Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check (Qt/Ha)	% 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						
Brinjal	Integrated weed management	300	280	290	203	30	201000	502000	301000	2.2
Farmers practice							142000	280000	138000	1.9
Tomato	Varietal evaluation Megha 2	215	185	200.5	195	25	205000	587000	382000	2.8
Farmers practice							180000	360200	180200	2.0
	Megha 3	178	160	169	168	20	205000	523000	120200	1.9
Farmers practice							180000	3002000	120200	1.6

FLD ON HORTICULTURE



KRI HI VIGYAN KENDRA
BAIHA DISTRICT, BAIHA
MIZORAM - 796901
INTEGRATED WEED
MANAGEMENT OF BRINJAL
LOCATION : LAWHILANG
YEAR : 2014 - 2015

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FLDs (Discipline-Wise Achievements)

Discipline/ Area: **Plant Protection**

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)	%				
Banana	Management of pseudostem and root stock weevil in banana	318.5	305.5	312	271	13.14	95000	317600	222600	3.3
Farmer's Practice							85000	271000	186000	2.18
Broccoli	Integrated pest management			136	92	32.35	240000	1088000	848000	3.35
Farmer's Practice							220000	736000	516000	2.34

FLD on Plant Protection



Discipline : FLD on Soil 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)	%				
Paddy	SRI	42.7	35.2	41.2	33.8	18	44,000/-	82,400/-	38,400/-	1.87
Farmers practice							40,000/-	67,600/-	29,600/-	1.69



Discipline: Soil 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)	%				
Paddy	Nutrient management in rice	42.3	33.1	37.7	29.8	21	42,000/-	75,000/-	33,400/-	1.79
Farmers practice							38,000/-	59,600/-	21,600/-	1.56



FLDs on Animal Science

Discipline/ Area: **Livestock**

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		
Poultry	Vanaraja & Giriraja	15	30/farmer	a) Adaptability- b) Age at first laying c) Age at peak laying d) Monthly body weight gain	a) Adaptability-good b) Age at first laying-4 mts(vanaraja) 4 ½ months(giriraja) c) Age at peak laying-7 months d) Monthly body weight gain-avg. 200 gms. e) Cost of input :Rs.48350/- f) Gross return : Rs. 99850/- g) B.C Ratio : 2.06	a) Adaptability-good b) Age at first laying-7 mts c) Age at peak laying-8 to 9months d) Monthly body weight gain-avg. 180 gms e) Cost of farming – 34600/- f) Gross income – 47500/- g) B:C ratio – 1.37	52.43	Farmers are interested but still requires awareness



FLD on Animal Science

Discipline/ Area: **Livestock**

Enterprise	No. Of farmers	No. Of animals/ poultry birds etc.	Methodology	Data on parameters in relation to technology demonstrated		% Change	Remarks
				Demo	Local		
Fodder conservation (Silage making)	5	NA	<p>1 cubic meter size of a pit is dug.A silpauline is lined along the floor and wall of the pit..400 kg of chopped (1.3cm long)green fodder is packed in the pit.The fodder are tramped to remove any space for air accumulation.The pit is covered with silpauline from all sides.The fodder are then left for anaerobic fermentation .</p>	<p>a) Time taken for fermentation : 5 weeks b) Physical appearance : Green c) Palatabilty : Good d) Shelf life : 7 months</p>	NA	NA	Needs laboratory analysis



FLDs (Discipline-Wise Achievements)

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		
Home Science	Scientific technology on nutritional gardening for nutrient supplementation of a family	10	10	a) Records of daily expenditure on food. b) Round the year supplementation. c) Assessment of performance of nutritional garden.	a) As per records the daily expenditure of a family for food is decreased by 50% b) General health status of a family is found to be improved.	Rs.100/day /family for vegetables	50	Needs popularization
	Scientific technology on soybean processing (Soymilk, Soy butter, Soy paneer/ tofu & soy biscuits) for income generation.	10	10	a) Record of income. b) Acceptability of the product. c) Shelf life.	a) Income generated /month : Rs.2700/- b) People in the area accepted the product and are ready to adopt the technology.	Nil	NA	Farmers are enthusiastic in taking up the technology

HOME SCIENCE (FLD)

