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On Farm Trials

(2010-11)

On Farm Trials (Discipline-Wise Summary)

Discipline (Minimum 2 OFT per SMS)	Crop / Enterprise	Number of technology / Social Concept		No. of trials		% of achieveme nt	Reasons for shortfall, if any
		Assessed	Refined	Target	Achievement		
Plant Protection	1. Tomato (Control of Wilt Disease)	2		2	2	100%	
	2. Management of soft rot of ginger.	On-going		2	NA	NA	NA
Fishery	Culture of local ornamental fish	On-going		2	NA	NA	NA
	Fish cum Pig culture	On-going	-	2	NA	NA	NA
Animal Science	Rearing of upgraded pig	1	-	2	1	50%	NA
	Pig cum Fish Culture	On-going	-	2	NA	NA	NA
Agro-Forestry	Intercropping of trees with paddy, banana,orange	On-going	-	1	NA	NA	NA
	<i>Leucena sp.</i> and Soybean	On-going	-	1	NA	NA	NA

On Farm Trials (Discipline-Wise Summary)

Discipline (Minimum 2 OFT per SMS)	Crop / Enterprise	Number of technology/ Social Concept		No. of trials		% of achieveme nt	Reasons for shortfall, if any
		Assessed	Refined	Target	Achievement		
Home Science	Mushroom cultivation	On-going		1	NA	NA	Rodent problem.
	Technology of tie & dye	1		2	1	50%	
Horticulture	High Density banana cultivation	On-going		2	NA	NA	NA
TOTAL		3		19	4		

On Farm Trials (Discipline-wise achievements)

Discipline: Plant Protection

Crop / Enterprise	Problem diagnosed	Technology/ Social Concept	Title of OFT	No. of trials	Parameters of assessment/refinement and its data	Prdn. per unit crop/enterprise	Net return (Rs/Ha)	B:C Ratio
					Technology	Technology		
Tomato	Pest & Disease problems	Bio-Control of disease	Control of Wilt Disease using Biofor-pf	2	Performance and Yield (Disease incidence was 5%)	30kg/30x15sq. m	2000	1:2
Ginger	Pest & disease problems	Control of Pest & disease	Bio-control of soft rot of ginger using Bio-organic.	1	Performance and Yield	On going	7500	1:1.5
					Farmer Practice	Farmer Practice		
Tomato	Pest & Disease problem	Conventional system		2	Disease incidence was found to be about 30%	24kg	1500	1:1.5
Ginger	Pest & disease problem	Conventional System		1	Pest incidence was 37%	4qtl/0.22Ha	6500	1:1.3

On Farm Trials (Discipline-wise achievements)

Discipline: Agronomy

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
					Technology	Technology		
Paddy	Low productivity	SRI						
					Farmer Practice	Farmer Practice		
Paddy	Low productivity	Conventional system		1	Pest infestation was quite high which accounts for low yield	4qt./0.22 ha	6500	1:1.3

On Farm Trials (Discipline-wise achievements)

Discipline: Fishery

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
					Technology	Technology		
Fish cum Pig culture	Low availability of fish seed & feed.	Integrated Farming without supplementary feeding.	1. Fish cum pig culture.	2	Growth rate, Health, Harvesting time	On-going	NA	NA
Fish	Requirement of high aeration, feed problem.	Culture of local ornamental fish in glass aquarium.	Culture of local ornamental fish in glass aquarium	2	Adaptability in captive condition			
					Farmer Practice	Farmer Practice		
Fish cum Pig culture	Low availability of fish seed & feed.	Intensive fish farming.		2	Growth rate, Health, Harvesting time	On-going	NA	NA
Fish	Requirement of high aeration, feed problem.	Culture of ornamental fish in glass aquarium.		2	Adaptability in captive condition	On-going	NA	NA

On Farm Trials (Discipline-wise achievements)

Discipline: Veterinary 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
					Technology	Technology		
Piggery	Low meat production due to non-descript type of breed	Scientific feeding manual & management.	Rearing of upgraded pig	1	Adaptation, Care of piglets, health, growth rate, disease incidence.	On-going	NA	NA
Piggery	Low productivity of Pork and fish	Integration of pig and fish culture.	Piggery cum fish culture	1	Adaptation, monthly weight gain, disease prevalence, age of sexual maturity, growth rate of fish.	On-going	NA	NA
					Farmer Practice	Farmer Practice		
Piggery	Low meat production due to non-descript type of breed.	Local feeding manual and management.		1	Adaptation, Care of piglets, health, growth rate, disease incidence.	On-going	NA	NA
Piggery	Low productivity of Pork and fish	Indeginous pig rearing.		1	Monthly weight gain, disease prevalence, age of sexual maturity, growth rate of fish.	On-going	NA	NA

On Farm Trials (Discipline-wise achievements)

Discipline: 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
					Technology	Technology		
Mushroom Cultivation	Lack of technical know-how, pest problems.	Conventional system with scientific interventions.	Cultivation of oyster mushroom.	1	Yield, performance, disease and pest incidence.	On-going	NA	NA
					Farmer Practice	Farmer Practice		
Mushroom Cultivation	Lack of technical know-how	Conventional system .	Cultivation of oyster mushroom.	1	Yield, Performance, disease and pest incidence.	On-going	NA	NA

On Farm Trials (Discipline-wise achievements)

Discipline: Agro-Forestry

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
					Technology	Technology		
Intercropping of <i>Leucena</i> sp. with Paddy, Orange and Banana	Loss of Soil Fertility due to heavy runoff	Preservation of top fertile soil	Sloping Agricultural Land Technology (SALT)	1	Status of Soil Nutrient by nitrogen fixing trees	On-going	NA	NA
Intercropping of <i>Leucena leucocephala</i>	Lack of combination of forest trees and crops	Beneficial effect of combination of trees and crops	Effect of various spacing on the growth behavior of <i>L. leucocephala</i> intercropped with Soybean under Agro-Forestry system in Saiha District	1	Compatibility of Nitrogen fixing trees with Crops	On-going	NA	NA

On Farm Trials (Discipline-wise achievements)

Discipline: Horticulture

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
					Technology	Technology		
Banana	Low Productivity	High Density Plantation	High Density Plantation in Banana (Dwarf Cavendish)	2	Yield, Performance, tolerance to pest and disease	On-going	NA	NA
					Farmer Practice	Farmer Practice		
Banana	Low Productivity	Indigenous Cropping System		2	Yield, Performance, tolerance to pest and disease	On-going	NA	NA