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On Farm Trials

(2009-10)

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		
Agronomy	Paddy (Varietal evaluation)	2		2	1	50	Scarcity of water
Plant Protection	Bio control of pest on Paddy	1		2	1	50	Bad connecti vity
Plant Protection	Tomato (Control of Wilt Disease)	1		2	2	100	
Fishery	Carp Seed Rearing	1		1	1	100	
Fishery	Paddy cum fish culture	On-going		2	NA	NA	NA

On Farm Trials (Discipline-Wise Summary)

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		Assessed	Refined	Target	Achievement		
Fishery	Fish cum Pig culture	On-going	-	2	NA	NA	NA
Vety	Piggery	On-going	-	2	NA	NA	NA
Vety	Pig cum Fish Culture	On-going	-	2	NA	NA	NA
Agro- Forestry	Intercropping of trees with paddy, banana,orang e	On-going	-	1	NA	NA	NA
Agro Forestry	<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	NA
Home Science	Nutritious Kitchen Gardening	1		1	1	100	
Horticulture	High Density banana cultivation	On-going		2	NA	NA	NA
TOTAL		6		21	5		

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 in bracket	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
Paddy	Pest problems	Bio-Control of Pest	Bio-control of Stem borer & leaf folder	1	Performance and Yield (Pest incidence was about 13%)	5qt/0.25 Ha	7500	1:1.5
					Farmer Practice	Farmer Practice		
Tomato	Pest & Disease problems	Conventional system		2	Pest incidence was found to be about 30%	24kg	1500	1:1.5
Paddy	Pest problems	Conventional System		1	Pest incidence was 37%	4qtl/0.22 Ha	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	Varietal evaluation in conventional system	Varietal evaluation of local Paddy (Buhsen & Japan)	1	Performance and Yield (Tolerance to Disease & Yield was higher in Japan var. while taste of Buhsen was preferred)	5qtl/0.25Ha	7500	1:1.5
					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		
Carp Seed rearing	Non-availability of carp seed	Scientific feeding manual & management	Carp Seed Rearing at backyard Pond	1	Feeding, Growth rate, Health, Harvesting time	5qtl/0.3Ha/yr	20000	1:2
Fish cum Pig culture & Paddy cum fish culture	Low availability of fish seed & feed	Integrated Farming without supplementary feeding	1. Fish cum pig culture. 2. Paddy cum fish culture	2	Growth rate, Health, Harvesting time	On-going	NA	NA
					Farmer Practice	Farmer Practice		
Carp Seed rearing	Non-availability of carp seed	Conventional system		1	Feeding, Growth rate, Health, Harvesting time	2qtl/0.3Ha/yr	10000	1:1.6

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, etc.	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, etc.	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		
Kitchen Gardening	Low crop productivity	Incorporation of different vegetables in Kitchen Garden	Nutritious Kitchen Gardening	1	Maximum utilisation of land, utilisation of kitchen waste, etc.	40 kg /0.15 ha	2000	1:1.3
Mushroom Cultivation	Lack of technical know-how	Conventional system with scientific interventions	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