

OFT-5

1.	Title of On farm Trial	Assessment of different Methods of IMC Fry production.
2.	Problem diagnosed	Poor growth rate of fish fry in Nursery pond
3.	Details of technologies selected for assessment/refinement	Farmers Practice = Pre stocking Application of MOC. Technology Option I = Pre stocking Application of cow dung manure @ 5000 kg/ha Technology Option II = Use of mixture of cow dung manure+ MOC 500 kg./ha + SSP 150 kg./ha in 8 phage till harvesting
4.	Source of Technology	CIFRI
5.	Production system and thematic area	Nursery pond management./ Nutrient management
6.	Performance of the Technology with performance indicators	Result shows better growth & survivality of fry by Use of mixture of cow dung manure+ MOC 500 kg./ha + SSP 150 kg./ha in 8 phage till harvesting
7.	Final recommendation for micro level situation	Regular feeding of carp fry with Oil cake & Powdered paddy mixture (1 1) + Use of mixture of cow dung manure+ MOC 500 kg./ha + SSP 150 kg./ha in 8 phage till harvesting
8.	Constraints identified and feedback for research	Man power requirement is high Feed Back - Refinement of Sirgur method is needed
9.	Process of farmers participation and their reaction	Collaborative. Farmers are happy with the performance

Thematic area: Nutrient management

Problem definition: Poor growth rate of fish fry in Nursery pond

Technology assessed: Assessment of different Methods of IMC Fry production.

Table: 2 Assessment of different Methods of IMC Fry production.

Technology option	No. of trials	Data related to problem address			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Initial Av length of fry(cm)	Av.length of fry Fry in 1 month (cm)	% of Fish Mortality						
Farmers Practice = Pre stocking Application of MOC @ 406 kg/ha	6	1.2	2.2	52	27	1.9	10308/-	23750/-	13442/-	2.30:1
Technology Option I = Pre stocking Application of cow dung manure @ 5000 kg/ha	6	1.2	2.8	43	22	3,4	20700/-	44200/-	23500/-	2.14:1
Technology Option II = Use of mixture of cow dung manure 1500+ MOC 500 kg./ha + SSP 150 kg./ha in 8 phage till harvesting	6	1.2	4.4	29	13	4.8	21700/-	62400/-	40700/-	2.88:1
SEM±			0.2357	2.419	-	0.3009				
CD at 5%			0.53	5.39	-	0.67				

Results: Technology option II shows better performance in respect to survival of Fry,(71%) , increase in length (4.4 cm) & yield(4.8 qt/ha)