

OFT-7

Title	Assessment of different Methods of Fish Culture in Small Seasonal Pond.
Problem area	Poor Yield of fish in small Seasonal Pond
Important Causes	Improper Species Combination.
Thematic area	New species introduction
Production System	Composite carp culture.
Micro farming situation	Table fish production in small Seasonal pond
Technology for testing	Culture of Mono Sex Tilapia.
Objectives	To assess the performance of Mono Sex Tilapia in Small seasonal Pond.
Hypotheses	Mono Sex Tilapia culture in Small seasonal pond may help in increased yield of table fish
Existing practice	Composite culture of IMC & Silver carp in Seasonal pond.
Intervention plan.	Farmers Practice = Stocking of IMC & silver Carp @ 10000 per ha.+ irregular feeding with oil cake Technology Option I = Stocking of Mono sex Tilapia @ 10000 per ha.+ regular feeding with fish Feed Technology Option II = Stocking of IMC & silver Carp @ 2500 per ha.+ Mono sex Tilapia @ 2500 per ha + regular feeding with fish Feed
Source of technology	CIFE
Design	RBD
Critical inputs	Fingerlings of IMC, Silver Carp & Mono sex Tilapia
Unit size / Plot size	0.04 ha.
Replications	6
Unit cost	Rs. 500/-
Total cost	Rs. 9000/-
Monitoring indicators	Average weight of fish & Total Yield / ha

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	50	25	1.7	11408/-	25500/-	14092/-	2.23:1
Technology Option I = Pre stocking Application of cow dung manure @ 5000 kg/ha	6	1.2	3.0	45	24	3.2	22700/-	48000/-	25300/-	2.11:1
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	1.4	4.6	27	11	5.2	27700/-	78000/-	40700/-	2.81:1

Results: Technology option II shows better performance in respect to BC ratio 2.81:1