

OFT -6

1.	Title of On farm Trial	Assessment of different methods of fish culture in seasonal pond.
2.	Problem diagnosed	Poor growth & yield of fish in seasonal pond due to Improper species combination
3.	Details of technologies selected for assessment/refinement	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 @ 3% of stock. Technology Option II = Stocking of IMC & Silver Carp @ 2500 per ha.+ Mono sex tilapia @ 2500 per ha + regular feeding with fish feed @ 3% of stock
4.	Source of Technology	CIFE
5.	Production system and thematic area	Composite carp culture in seasonal pond New species introduction
6.	Performance of the Technology with performance indicators	Technology option –II showed best result in respect to average weight of fish , per ha yield, net return and B:C ratio.
7.	Final recommendation for micro level situation	This may be recommended that poly culture of Mono sex Tilapia with carp in seasonal pond for faster growth , better yield and income
8.	Constraints identified and feedback for research	Lack of availability of quality fry or fingerlings of mono sex Tilapia in the district as per requirement. Suitable system of short term fish culture to be develop
9.	Process of farmers participation and their reaction	Farmers participated in collaborative. Mode. The farmers are satisfied with the performance of the technology

Thematic area: New species introduction

Problem definition: Poor growth & yield of fish in seasonal pond

Technology assessed: **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 @ 3% of stock.

Technology Option II = Stocking of IMC & Silver Carp @ 2500 per ha.+ Mono sex tilapia @ 2500 per ha + regular feeding with fish feed @ 3% of stock

Table: 6 Assessment of different methods of fish culture in seasonal pond.

Technology option	No. of trials	Yield component			Disease (%)	Cost of Culture (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Av. Wt of Carp (Kgs)	Av. Wt of Tilapia (Kgs)	Yield /kgs ha(in 5 months)					
Farmers Practice = Stocking of IMC & Silver Carp @ 10000 per ha + irregular feeding with oil cake.	10	0.142	0.0	639.0	Nil	30600.00	57510.00	25910.00	1.88
Technology Option I = Stocking of Mono sex tilapia @ 10000 per ha + regular feeding with fish feed @ 3% of stock	10	0.0	0.18	900.0	Nil	40560.00	90000.00	49440.00	2.22
Technology Option II = Stocking of IMC & Silver Carp @ 2500 per ha.+ Mono sex tilapia @ 2500 per ha + regular feeding with fish feed @ 3% of stock.	10	0.3	0.16	1012.0	Nil	42235.00	101640.00	59405.00	2.41
SEM±		22.795	14.969	29.185					
CD at 5%		39.48	25.93	50.54					

Results: Growth of carp under Option- II in 5 months is 211.27 % higher than farmers practice. Although average weight of Tilapia in Option- I is 112.5 % higher than Option- II but with respect to total production is much higher in technology Option –II.