

# Commercial Rice-Fish Integrated Farming System

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The rice-fish integrated farming system integrates components such as improved rice varieties, fish, prawn, *Azolla*, duck, poultry, fruit crops, floriculture, apiculture etc. This system is highly acceptable in eastern India because of the resources, food habits and other social conditions.

## Entrepreneurial Opportunity

- Developing a 50 acre commercial rice fish integrated farming system with compatible component like papaya (5000 no.), rice (12 acre), fish (18 acre), poultry (2500 no.), duck (1000 no.) and floriculture would cost Rs.38, 84, 350.
- A net profit of Rs. 7, 98, 281 per year can be accrued from sales realization of Rs. 21, 66, 400.
- The project shows 18% internal rate of return (IRR) within a period of 10 years.
- The benefit to cost ratio is 2.0-2.5.
- Breakeven point can be achieved in between 2<sup>nd</sup> and 3<sup>rd</sup> year.
- 30 t of rice, 18 t of fish, 9 t of meat, 54 t of fruit and more than 60 t of straw for animal feed can be realized from a 50 acre commercial rice- fish integrated farming system.
- This is a bankable technology and is supported by NABARD and lead banks. Seventy per cent bank financing can be availed for the project.

## Salient Features

- This commercial rice-fish integrated farming system increases farm productivity by more than 15 times and net income up to 20 folds over the traditional system of rice farming.
- Flowers like rose, tube rose, marigold & gladiolus can be grown in commercial rice-fish integrated farming system.
- Indian Major Carps (catla, rohu, mirgal), silver carp and silver barb can be grown with the advantage of weed control in rice field.
- Commercial rice-fish integrated farming system generates additional farm employment of around 250-300 mandays /ha/year.
- The commercial rice-fish integrated farming system technology has already been adopted in small, medium and large commercial farms in Odisha.
- Annually, 14-15 tons of food crops can be produced from one hectare using commercial rice-fish integrated farming system technology.



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