

1. Name of the institution: Malda KVK
2. Name of the technology: **Application of egg yolk and mustard oil as supplementary feed in nursery pond management**

3. Scientist(s) associated: Adwaita Mondal

4. Problem statement- (It will highlight the fact as to why the technology has been developed or technology was required):

High mortality (upto 50%-60%) in nursery pond i.e. Spawn to Fry stage.

5. Description of technology- (Please define the technology part in a very simple fashion covering all the details):

In earlier practice after pond preparation spawns are released in fish pond @ 3-5 lakh/ 0.13 ha pond area and first 3-4 days no feed applied in the fish pond. Later on Mustard Oil Cake & Rice Bran (1:1) applied. But in our intervention from the First day onwards upto 3-4 days after releasing spawn in nursery pond, Mustard oil (1 Litre) and poultry eggs (3-4 nos.) have been applied in a unit (o.13 ha) as a supplementary feed for spawn. This has led to increase fry production upto 100-120 kg per unit against the farmers' practice (80-90 kg).

6. Applicability/ Situations- (It may include the agro-climatic zones or states, agro-ecosystems or the typologies as deemed fit for)

It is applicable to all parts of agri-climatic zone. In Malda district, it is applicable to Tal, Barind & Diara region.

7. Economics/ Cost involved- (It should include the total input per hectare or per unit whatever the case may be and the output however, the cost of human labor may please be included while calculating the economics.

In nursery pond average 3-4 cycles of fry production completed in single season of a year i.e. from March to August of a year. In nursery pond average cost is Rs. 22000/- per cycle of 0.13 ha area and average production as Rs. 55000/- per unit and the benefit is Rs. 33000/-i.e involvement of Cost is 15-20% higher than Farmers Practice & 40-50% more income than Earlier practice.

8. Impact and up scaling

This technology has been developed and disseminated to the fish growers of Malda district with a view to increase survivability of spawn to fry upto 20-30% more than the normal farmers' practice (50-60%). & now a day's almost 70-80% Fish Farmers are practicing this technology.