

Determination of parameters on Final cost of trout fish production in marine cage culture

Mahmoud Hafezieh^{1*}, Seyed Vahid Farabi²

1-Iranian Fisheries Science Research Institute (IFSRI), Agricultural Research, Education and Extension Organization (AREEO), Tehran

2-Caspian Sea Ecology Research Center (CSERC), Iranian Fisheries Science Research Institute (IFSRI), Agricultural Research, Education and Extension Organization (AREEO), P.O. Box: 961, Sari

*Corresponding Author e-mail: jhafezieh@yahoo.com

Abstract

Mariculture of trout fish in cage, which is a new approach of Iranian fisheries organization was followed by the last decade draining years and estimation limitation of fresh water fish production in Iran, harvested more than 2700 MT. of trout fish which is the successful choice of cage cultured fish species in three northern provinces. Final costs of fish production affected by different financial parameters such as fixed and current investments, in cage condition. In order to obtain final costs of each kg trout fish cultured in cages of Mazandaran coastal water, questionnaire from 5 trout fish cages were gathered during 2016 in that province. All data and costs are based on a cage with 15 MT capacities. Overall, initial fish biomass for releasing to the cage with the highest costs(41%) of total costs, followed by feed 37%, maintenance and 5 years amortization fixed investment (10%), Insurance(5%) and labor costs(0.018%) are the main factors final costs of the cage fish production. In this study this final production cost of one Kg fish cultured in cages of Mazandaran province was calculated 129764 Rials(equal to 2.84 Us \$).

Keywords: Production parameters, Economy, Rainbow trout fish, cage, Mazandaran province