

Efficiency management of water supply and preventive solutions for waste water in warm water fish farms

Abstract:

The aim of the present study is comparison of water efficiency indicators including physical (kg.m^{-3}) and economical ones (Rial.m^{-3}) based on components of warm water fish culture technics at three provinces which have the highest warm water fish production (Mazandaran, Khozestan and Guilan) and offering the preventive waste water solutions against adverse effects of draining in Iran. Checking the provincial, technical and economical water indicators in warm water fish culture fields which are between ($0.07\text{-}0.38 \text{ kg.m}^{-3}$), showed higher amount of warm water fish production in culture unite and the lowest water supply for one kg fish production obtained in Mazandaran province obviously. The physical and economic efficiency of water at the fish farms of this province is higher than two other provinces.

Keywords: Aquaculture, water efficiency, warm water fish, waste water