



## **The effect of commercial dry food nutrition on the production-economic indicators of farmed carp (*Cyprinus carpio*) in polyculture method**

Baghaei Jazeh S.<sup>1,2\*</sup>; Javaheri Baboli M.<sup>1</sup>

1-Department of Fisheries, Ahvaz, Islamic Azad University, Ahvaz, Iran

2-Department of Fisheries, Khorramshahr University of Marine Science and Technology, Khorramshahr, Iran

\*Corresponding autor's Email: Saeedbaghaee\_1968@yahoo.com

### **Abstract**

The feeding effects of Commercial dry food and barley on economic and production index in polyculture of common carp (*Cyprinus carpio*) in 2012 was evaluated. 1000 fish with an average weight of  $11/22 \pm 2/71$ g distributed in 9 ponds of 1 ha and feeded with 1: barley, treatment 2: 50-50 as barley-commercial dry food, treatment 3: Commercial dry foods were fed for a period of 8 months. The results showed that the final weight of fish fed with commercial dry food ( $1836.3 \pm 165.14$ ) was significantly higher than other treatments ( $P < 0.05$ ). Economic value and economic benefit indexes in fish fed with commercial dry food was significantly higher than other treatments ( $P < 0.05$ ). The use of commercial dry food in feeding common carp resulted in increase production and improved economic indices.

**Keywords:** Common carp (*Cyprinus carpio*), Economic indicators, Barley, Commercial dry food