

Effects of dietary A-Max prebiotic on growth performance and Body composition of stellate sturgeon (*Acipenser stellatus*) juvenile

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Abstract

The purpose of this study was to evaluate the effect of commercial A-Max prebiotic on growth parameters, feed performances and body composition of stellate sturgeon juvenile (*A. stellatus*) with initial body weight average of 34 ± 0.64 gr. For these purposes, a number of 450 stellate sturgeon juvenile were stocked in abundance of 50 fish per 9 tanks with capacity 1500 liters in a completely random design were fed the experimental diets for 60 days. The results showed that there were significant differences in growth performance between control and A-Max treatment ($p < 0.05$). Also, carcass analysis showed a significant decrease of crude protein content and a significant increase in crude lipid content in experimental treatment compared with the control group ($p < 0.05$).

Keywords: Stellate sturgeon, A-Max prebiotic, Body composition, Feeding, Growth.