

The effect of dietary kiwi (*Actinidia* sp.) peel powder on hematology of Common carp (*Cyprinus carpio*)

Fatereh Kalantari¹, Sakineh Yeganeh^{2*}, Hosein Ouraji³

1-MSc student, Department of Fisheries. Sari Agricultural Sciences and Natural Resources University

2,3-. Associate prof. Department of Fisheries. Sari Agricultural Sciences and Natural Resources University

*Corresponding author g mail: skyeganeh@gmail.com

Abstract

The aim of this study was to investigate the effect of Kiwi peel powder on hematological indices of common carp. Due to this purpose, 300 common carp with initial weight of 19 ± 0.05 g were distributed in 15 tanks. The different levels of Kiwi peel powder including 0 (control), 1, 3, 5 and 7 % were added to the experimental diet. After the end of 60 days, hematological indices were assessed and the results showed no significant difference between treatments in Red blood cell count, hematocrit, hemoglobin, MCV, MCH and MCHC ($P > 0.05$). The highest amount of white blood cell count was observed in treatment of 3 % Kiwi peel powder and has significant difference with the treatment of 5 % Kiwi peel powder ($P < 0.05$). Overall, it seems supplementation of kiwi peel powder could use as an effective agent in Common carp diet for improving the white blood cell count.

Keywords: Kiwi peel powder, Common carp, hematology