

Effects of tank color on growth performance and body composition of Common carp (*Cyprinus carpio*) in cultural condition

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Abstract1

The effects of tank color background on the growth performances (weight gain, average daily growth, feed and specific growth rate and condition factor) and body composition (protein, fat, moisture and ash) of juvenile's common carp (*Cyprinus carpio*) were studied. Seventy two fish (average weight 30 ± 1.42 g) were introduced into white, blue and red tanks (with 3 replicates) and fed for 8 weeks to saturation level. The results showed that fish was grown in the blue tanks had better condition in terms of growth performances and carcass protein significant difference was observed in this treatment compared with two other treatments ($P < 0.05$). This study showed us using blue color tank is more effective than white and red color.

Keywords: juvenile, tank color, growth, growth, body composition, Common carp