

عنوان مقاله:

The effects of A-Max (Saccharomyces cerevisiae culture concentrate) as a promoter for enhancement of growth and feeding performance of Common Carp (Cyprinus carpio) fingerling

محل انتشار:

کنفرانس بین المللی توسعه با محوریت کشاورزی، محیط زیست و گردشگری (سال: 1394)

تعداد صفحات اصل مقاله: 9

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خلاصه مقاله:

A 60-days feeding trial was conducted with the Common Carp (Cyprinus carpio) fingerling, using yeast of Saccharomyces cerevisiae culture concentrate under the commercial title of A-Max. The A-Max product be used in this study from Arm & Hammer Animal Nutrition Co. (USA) was prepared. Three concentrations of A-Max (0.4, 0.8 and 1.2 g per Kg of diet) were used respectively. A diet containing Faradaneh feed, without the A-Max, was used as a control diet (CF). The experimental diets (F1, F2 and F3) were mixed with A-Max suspension and dried at 40°C in incubator for 5 h. Healthy fingerling of Common Carp was provided from the warm water cultivable fish center of Chamran (Golestan province-Iran). This experiment was conducted in a completely randomized design. Twelve circular fiberglass tanks (capacity of 20 liters) with three replicates for experimental and control treatments, were used in this trial. Common Carp fingerling were fed based on the 5% of their body weight for three times a day with diets of F1, F2 and F3 in experimental treatments and control diet (CF) in control treatment respectively. In the final of experiment, some growth and feeding parameters of Common Carp fingerling were calculated. The results indicated that the A-Max had different effects on the growth parameters and survival rate in Carp fingerling in experimental treatments. The body weight of Carp fingerling increased in experimental treatments and had significant difference in comparison with control (p0.05). The A-Max had significant positive effects on the specific growth rate (SGR), thermal growth coefficient (TGC) and Velocity of growth body weight (VW) in comparison with control (p0.05). The highest of PER (2.67) and LER (1.68) were significantly higher than control (p0.05). The experiments showed that the A-Max, Saccharomyces cerevisiae culture concentrate in feeding of Common Carp fingerling highly increase the growth and .promotion of feeding performance

کلمات کلیدی:

feeding trial, yeast, A-Max, Common Carp, survival rate, specific growth rate

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