



Onion powder as feed additive in *Procambarus clarkii* culture

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Abstract

120 days trial was performed to evaluate the effect of dietary onion powder on the growth performance of red swamp crayfish *Procambarus clarkii*. Crayfish with initial body weight of 1.37 ± 0.13 g were randomly stocked to experimental tanks. Four different onion powder levels in ratios of 10, 20, 30, and 40 g/kg were added to the formulated experimental basal feed and a control group was fed with basic feed. At the end of the study, final body weight, weight gain and survival rate improved with increasing in onion powder inclusion groups and they showed significantly difference compared to the control. Hence, onion powder can be used as an economic and growth effective dietary supplement for red swamp crayfish culture.

Keywords: Feed additive, growth, *P. clarkii*, supplementation