

Economic Analysis of sustainable Homestead Culture of African Catfish

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Abstract

A research was conducted to evaluate the economics of attaining food securing through growing African catfish, *Clarias gariepinus* sustainably in small culture chambers. A total number of 360 fingerlings of mean weight 8.10g were stocked in four (4) plastic tanks of 350 litre capacity each, stocked at 80 fish per tank, fed ad libitum and reared for 24 weeks. A total of 105kg of feed was consumed by the fish. Cost of total input was N71, 300.00 (US\$460.00). An average of 180 kg of fish was produced and sold at N126, 000.00 (US\$840.00). A profit of N54, 700.00 (US\$365.00) was realized. It was therefore concluded that the techniques of production adopted in this work could be maximized to attain food security in low income deficit countries of Africa where majority of rural dwellers are poor and under- nourished. The system is also recommended for individuals with limited space who may be interested in earning additional income and enhancing quality protein production and intake.