

NOTICE OF PUBLICATION



AQUACULTURE & FISHERIES INNOVATION LAB

RESEARCH REPORTS

Sustainable Aquaculture for a Secure Future

Title: Assessment of Price Volatility in the Fisheries Sector in Uganda

Author(s): James O. Bukenya*

*james.bukenya@aamu.edu

College of Agricultural, Life, and Natural Sciences, Alabama A&M University,
4900 Meridian Street, Normal, AL 35762

Date: 27 April 2017

Publication Number: AquaFish Research Report 17-372

AquaFish will not be distributing this publication. Copies may be obtained by writing to the authors.

Abstract: This paper examines price volatility in the African catfish (*Clarias gariepinus*) supply chain in Uganda. The volatility process in the catfish markets was analyzed based on monthly price data from January 2006 to August 2013. A GARCH model is used to estimate the volatility parameters. Empirical results revealed that the value of the first-order autoregressive term and the value of the first-order moving average term were significant for both aquaculture and wild-harvest catfish supply chains. The observed long persistence of volatility in both supply channels suggests a fundamental level of uncertainty and risk in the catfish subsector over the studied period.

This abstract was excerpted from the original paper, which was published in the Journal of Food Distribution Research Society (2017) 48(1):81-88.

AQUAFISH RESEARCH REPORTS are published as occasional papers by the Management Entity, AquaFish Innovation Lab, Oregon State University, Corvallis, Oregon 97331-1643 USA. The AquaFish Innovation Lab is supported by the US Agency for International Development under Grant No. EPP-A-00-06-00012-00. See the website at <aquafishcrsp.oregonstate.edu>.