

Evaluating Technology Adoption by the Small-Scale Aquaculture Operations in Developing Countries for Improved Productivity and Profitability

Hillary Egna*, Stephanie Ichien*

* AquaFish CRSP (Collaborative Research)

Abstract

The Aquaculture & Fisheries Collaborative Research Support Program (AquaFish CRSP) fosters the development of technological innovations in aquaculture and fisheries to provide direct results for increased production and decreased environmental impacts in host countries. Ensuring the availability and accessibility of successful technologies through inventive dissemination techniques is a high priority for AquaFish CRSP researchers. In order to provide the greatest impact, focused efforts on increased adoption rates is key to success. Some of the technologies that AquaFish CRSP researchers have developed and disseminated to target communities include: Rice-fish culture, Cage within cage designs, Pond fertilization protocols, Internet-based tilapia podcasts , Methyl testosterone (MT): weaning for the all male tilapia fry production industry off MT, Alternative feeding regimes and feed formulations, Cage-cum-pond culture With involvement from 21 host countries and 21 US universities, AquaFish CRSP researchers have successfully fostered the adoption of these technologies in communities around the world and have also enabled the transfer of technology between countries. (i.e. technologies transferred from China to Mali and tilapia and clarias reproduction techniques from Kenya to Mali).