

Aqua

U.S. Department of Agriculture Accomplishments Report AD-421 U.S. Dept. of Agriculture, State Agricultural Experiment Stations and Other Institutions			Date (Month, Day, Year) 01/09/2013
1. Accession 0214121	Agency Identification No. 2. CSREES 3. LAB	5. Work Unit/Project No. LAB93892	6. Status Final Report
7. Title Development and Evaluation of Production Methods for Promising Native Aquatic Species			
12. Investigator Name(s) (Last Name and Initials) Lutz, C. G.			
20. Termination Date 12/31/2012		40. Period Covered (mo/da/year): 04/01/2008 TO 12/31/2012	
Outputs: The project generated a number of outputs during the reporting period (5 abstracts and presentations at professional conferences, 1 published peer-reviewed manuscript, 16 on-line extension bulletins and an industry-targeted workshop).			
Outcomes/Impacts: Generation of pond-based production data for the shrimp crawfish should allow for better assessment of its potential as a commercial species, potentially increasing revenues in rice-crawfish-fallow rotations by approximately \$160 per acre per cycle. Progress on selection practices for Gulf killifish may help foster commercialization of this species by allowing for broader environmental tolerances of production stocks. An improved understanding of the impacts of dietary protein levels on the production environment, and potentially on hide quality, will allow alligator producers to make more informed management decisions and improve the competitive position of the industry as a whole.			
Publications: Lutz, C.G., and M. Richard. 2012. Impacts of secondary and tertiary recruitment on overall production and yield of <i>Procambarus clarkii</i> (Girard) under simulated commercial conditions. <i>Freshwater Crayfish</i> 19(1). Burden, D.B. and C.G. Lutz. 2012. Aquaculture Profile. Agricultural Marketing Resource Center, Iowa State University. http://www.agmrc.org/commodities__products/aquaculture/aquaculture-profile Burden, D.B. and C.G. Lutz. 2012. Tilapia Profile. Agricultural Marketing Resource Center, Iowa State University. http://www.agmrc.org/commodities__products/aquaculture/tilapia-profile Burden, D.B. and C.G. Lutz. 2012. Koi Carp Profile. Agricultural Marketing Resource Center, Iowa State University. http://www.agmrc.org/commodities__products/aquaculture/koi-or-carp-profile Burden, D.B. and C.G. Lutz. 2012. Golden Shiner Profile. Agricultural Marketing Resource Center, Iowa State University. http://www.agmrc.org/commodities__products/aquaculture/golden-shiner-profile Burden, D.B. and C.G. Lutz. 2012. Aquaculture Profile. Agricultural Marketing Resource Center, Iowa State University. http://www.agmrc.org/commodities__products/aquaculture/aquaculture-profile Burden, D.B. and C.G. Lutz. 2012. Catfish Profile. Agricultural Marketing Resource Center, Iowa State University. http://www.agmrc.org/commodities__products/aquaculture/catfish-profile Burden, D.B. and C.G. Lutz. 2012. American Eel Profile. Agricultural Marketing Resource Center, Iowa State University. http://www.agmrc.org/commodities__products/aquaculture/american-eel Burden, D.B. and C.G. Lutz. 2012. Bluegill and Sunfish Profile. Agricultural Marketing Resource Center, Iowa State University. http://www.agmrc.org/commodities__products/aquaculture/bluegill-and-sunfish Lutz, C.G., P. Sambidi and R.W. Harrison. 2012. Turtle Profile. Agricultural Marketing Resource Center, Iowa State University. http://www.agmrc.org/commodities__products/aquaculture/turtle-profile Lutz, C.G., P. Sambidi, R.W. Harrison and D. Huntrods. 2012. Oyster Profile. Agricultural Marketing Resource Center, Iowa			



State University. http://www.agmrc.org/commodities__products/aquaculture/oyster-profile

Lutz, C.G., P. Sambidi and R.W. Harrison. 2012. Alligator Profile. Agricultural Marketing Resource Center, Iowa State University. http://www.agmrc.org/commodities__products/aquaculture/alligator-profile

Lutz, C.G., P. Sambidi and R.W. Harrison. 2012. Turtle Profile. Agricultural Marketing Resource Center, Iowa State University. http://www.agmrc.org/commodities__products/aquaculture/turtle-profile

Lutz, C.G., P. Sambidi and R.W. Harrison. 2012. Crawfish Profile. Agricultural Marketing Resource Center, Iowa State University. http://www.agmrc.org/commodities__products/aquaculture/crawfish-profile

Lutz, C.G. 2012. Offshore Aquaculture Production. Agricultural Marketing Resource Center, Iowa State University. http://www.agmrc.org/commodities__products/aquaculture/offshore-aquaculture-production

Lutz, C.G. 2012. Crawfish Production. eXtension.org factsheet. <http://www.extension.org/pages/58762/crawfish>

Lutz, C.G. 2012. Tilapia Culture. eXtension.org factsheet. <http://www.extension.org/pages/58767/tilapia>

Lutz, C.G.. 2012. Management of Recirculating Aquaculture Systems (Abstract). IX Simposio CentroAmericano de Acuicultura. Tegucigalpa, August 2012.

Lutz, C.G.. 2012. Marine Fish Aquaculture (Abstract). IX Simposio CentroAmericano de Acuicultura. Tegucigalpa, Honduras. August 2012.

Lutz, C.G.. 2012. Genetic Improvement in Shrimp Aquaculture (Abstract). IX Simposio CentroAmericano de Acuicultura. Tegucigalpa, Honduras. August 2012.

Lutz, C.G.. 2012. Tilapia Production and Genetic Management (Abstract). IX Simposio CentroAmericano de Acuicultura. Tegucigalpa, Honduras. August 2012.

Lutz, C.G.. 2012. Genetic Strategies for Offshore Aquaculture: Improvement vs. Mitigation of Potential Impacts (Abstract). 2012 Offshore Mariculture Conference. Izmir, Turkey, October 2012.

Participants:


C.G. Lutz (PI), LSU AgCenter.

Target Audiences:

Target audiences include crawfish producers, current and potential marine baitfish producers, alligator producers, aquaculture researchers and students.

Project Modifications:

Nothing significant to report during this reporting period.

Approved (Signature)	Title	Date
		1-15-2013