

Ag Econ

U.S. Department of Agriculture <b>Accomplishments Report AD-421</b> U.S. Dept. of Agriculture, State Agricultural Experiment Stations and Other Institutions			Date (Month, Day, Year)  03/23/2012
1. Accession 0213950	Agency Identification No. 2. CSREES 3. LA.B	5. Work Unit/Project No. LAB93905	6. Status Annual Report
7. Title Economic Evaluation of Rice Production and Rice Farming Operations in Louisiana			
12. Investigator Name(s) (Last Name and Initials) Salassi, M. E.			
20. Termination Date 03/31/2013		40. Period Covered (mo/da/year): 01/01/2011 TO 12/31/2011	
Outputs: Information generated by this research project was disseminated through four refereed publications, eight other articles, two presentations at professional conferences, and six presentations at clientele meetings.			
Outcomes/Impacts: Economic evaluation of field studies was conducted near Crowley, Louisiana, to evaluate the addition of different propanil formulations in mixture with a standard imazethapyr program. Weeds included red rice, barnyardgrass, Texasweed, and alligatorweed. Rough rice yield and economic returns were maximized when the propanil formulations of Propanil 1 or Propanil 3 were mixed with imazethapyr in early postemergence applications. The addition of propanil to imazethapyr increased rough rice yield and economic returns because of improved weed control. Rice enterprise production cost budget projections for 2011 were developed for alternative rice production systems in Louisiana. Rice production costs were estimated for the following types of rice production systems: water planted, drill planted, conventional variety, Clearfield variety, hybrid variety, conventional tillage, stale seedbed, in rotation, and fallow land. The base yield level for Southwest Louisiana was 65.0 cwt per acre for water- and drill-planted rice. Variable production costs ranged from \$9.84 to \$10.78 per cwt for water-planted and drill-planted rice production systems with a base yield level of 65.0 cwt per acre. Cost differences were influenced by use of conventional or herbicide-resistant variety, conventional versus stale seedbed tillage system, and rice production in rotation or on fallow land. Total projected rice production costs for 2011 ranged from \$9.88 to \$12.03 per cwt for water-planted rice and from \$9.69 to \$11.06 per cwt for drill-planted rice at the base yield level of 65.0 cwt per acre. An economic evaluation of farm bill commodity recommendations to the Joint Select Committee on Deficit Reduction were evaluated for rice and other major row crops in the state. Commodity income support programs were compared relative to income protection over time for a variety of shallow loss income support programs as well as commodity programs with fixed reference prices. These commodities were not all in the same economic situation regarding price, yield and production cost risk. No single program worked well for every major commodity.			
Publications: Carlson, Tyler, Eric Webster, Michael Salassi, Justin Hensley, and David Blouin, Imazethapyr plus Propanil Programs in Imidazolinone-resistant Rice, Weed Technology, Vol. 25, Issue 2, pp. 204-211, April-June 2011. No, Sung C., and Michael E. Salassi, Examining Economic Efficiency of Government Grading System: In the Case of U.S. Rough Rice, Research in World Economy, Vol. 2, No. 1, pp. 2-13, April 2011. Deliberto, Michael, and Michael Salassi, Hybrid Rice Production Possibilities in the Southern Rice Producing Region, J. Farm Managers and Rural Appraisers, 2011, pp. 42-48. Harrell, Dustin L., Timothy W. Walker, Michael E. Salassi, Jason A. Bond, and Patrick D. Gerard, Modeling Rice Grain Yield Response to Nitrogen Fertilization for Delayed-Flood Production, J. Plant Nutrition, Vol. 34, pp. 2158-2171, October 2011. Salassi, Michael E., and Michael Deliberto, Projected Costs and Returns, Rice, Soybeans, Wheat and Sorghum, Southwest Louisiana, 2011, LSU Agricultural Center, Dept. of Agricultural Economics and Agribusiness, A.E.A. Information Series No. 272, January 2011. Salassi, Michael E., and Michael Deliberto, Projected 2011 Rice Farm Cash Flow Model, LSU Agricultural Center, Dept. of Agricultural Economics and Agribusiness, Staff Report No. 2011-01, January 2011.			

Salassi, Michael E., Kurt M. Guidry, P. Lynn Kennedy, J. Matthew Fannin and Michael A. Deliberto, Evaluation of Grain Facility Lease Proposals to the Port of Greater Baton Rouge by Cargill, Inc. and Louis Dreyfus Commodities, LLC, LSU Agricultural Center, Dept. of Agricultural Economics and Agribusiness, Staff Report No. 2011-04, February 2011.

Webster, Eric P., Tyler P. Carlson and Michael E. Salassi, Spend, Make More: Propanil mixed with Newpath increases Clearfield rice yields, if weeds treated early, Louisiana Agriculture, Louisiana Agricultural Experiment Station, LSU AgCenter, Vol. 54, No. 1, pp. 10-11, Winter 2011.

Webster, Eric P., Tyler P. Carlson, Michael E. Salassi and Jason A. Bond, Apply Newpath Early: Maximize returns of Clearfield rice, Louisiana Agriculture, Louisiana Agricultural Experiment Station, LSU AgCenter, Vol. 54, No. 1, pp. 12-13, Winter 2011.

Salassi, Michael E., Rice Production Economics Research in 2010, LSU Agricultural Center Rice Research Station Annual Research Report, 2010, Louisiana State University Agricultural Center, pp. 260-262.

Webster, Eric P., Tyler P. Carlson and Michael E. Salassi, Residual Herbicides Improve Profits with Clearfield Rice, Louisiana Agriculture, Louisiana Agricultural Experiment Station, LSU AgCenter, Vol. 54, No. 3, pp. 18-19, Summer 2011.

Salassi, Michael E., Comparison of Farm Bill Commodity Recommendations to the Joint Select Committee on Deficit Reduction for Rice, Corn, Soybeans and Cotton in Louisiana, LSU Agricultural Center, Dept. of Agricultural Economics and Agribusiness, Staff Report No. 2011-12, November 2011.

Participants:

M.E. Salassi (PI), E. Webster, M. Deliberto, T. Carlson, LSU AgCenter.

Target Audiences:

Target audiences for the results of this research project include rice producers and other segments of the rice production sector in Louisiana.

Project Modifications:

Nothing significant to report during this reporting period.

Approved (Signature)	Title	Date
		