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SAEA 2012 Annual Meetings

Selected papers, posters, and organized symposia abstracts are posted at:

Papers: http://www.saea.org/meetings/2012/ab_papers.pdf

Posters: http://www.saea.org/meetings/2012/ab_posters.pdf

Symposia: http://www.saea.org/meetings/2012/ab_symp.pdf

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Selected papers from the 2011 annual meetings not published in the August 2011 issue.

Multi-year Water Allocation: A Policy Analysis for Groundwater Management and Conservation for Irrigated Agriculture

Rachna Tewari, Texas Tech University, Lal K. Almas and David G. Lust, West Texas A&M University

Heavy withdrawals from the Ogallala Aquifer in the Texas panhandle create a need for implementing water conservation policies. This study evaluates policy options of multi-year water allocation coupled with water use restriction in four counties. Results indicate that water use declines with progressive restriction rates.

Effects of a Traceability System on the Economic Impacts of a Foot-and-Mouth Disease Outbreak

Jason Jones, Texas A&M University, Jared Carlberg, University of Manitoba, and Dustin Pendell, Colorado State University

An epidemiological foot-and-mouth disease

(FMD) spread model for Ontario is developed. Disease simulations reflect three levels of the cattle identification and movement. Results are used to calculate the FMD control costs. Welfare effects indicate that industry benefits from increasing animal contract traceability are less than annual costs.

Manure Application Rules and Environmental Considerations

Raymond E. Massey, University of Missouri and Haluk Gedikoglu, Lincoln University of Missouri

Three manure application limits (N Limit, Annual P Limit, and P Banking) were modeled investigating application hours. Benefit and cost estimates indicate that P Banking was the most profitable followed by N Limit and then Annual P Limit. Results indicate that regulations for Annual P Limit increase manure costs and may increase runoff.