

The World's Largest Open Access Agricultural & Applied Economics Digital Library

This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.

Help ensure our sustainability.

Give to AgEcon Search

AgEcon Search
http://ageconsearch.umn.edu
aesearch@umn.edu

Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.

JOURNAL OF -

Agricultural and Resource Economics

Volume 27 • **Number 1** • **July 2002**

Agriculture as a Managed Ecosystem: Policy Implications J. M. Antle and S. M. Capalbo
Microeconomics of Irrigation with Saline Water I. Kan, K. A. Schwabe, and K. C. Knapp
Micro versus Macro Acreage Response Models
Variable-Rate Nitrogen Application Under Uncertainty
Accuracy of Producers' Probability Beliefs
Inefficiency and Supply Response in Russia
An Evaluation of USDA Meat Production Forecasts D. R. Sanders and M. R. Manfredo
Incentives for Land Conversion and Retention
Storage Technology and the Environment E. Lichtenberg and D. Zilberman
Generic Advertising and Household Demand for Fluid Milk and Cheese T. M. Schmit, D. Dong C. Chung, H. M. Kaiser, and B. W. Gould
Exit of Meat Slaughter Plants During Implementation of PR/HACCP M. K. Muth, S. A. Karns M. K. Wohlgenant, and D. W. Anderson
Advertising, Trade, and Variable Proportions Technology
Environmental Regulation and Competitiveness in Pork Trade
Impact of Electricity Deregulation on Washington State R. H. Coupal and D. Holland
Door Vehicle Collisions V. A. Sehwebe, D. W. Sehuhmann, and M. Tankavish



The Journal of the Western Agricultural Economics Association

EDITOR

Gary D. Thompson University of Arizona, Tucson

Co-editors: Satheesh Aradhyula, George Frisvold, and Russell Tronstad

EDITORIAL COUNCIL (2001–2003)

DeeVon Bailey
Utah State University

Gary W. Brester

Montana State University

Lilyan E. Fulginiti University of Nebraska

George Goldman
University of Calif., Berkeley

Richard D. Green

University of Calif., Davis

Daniel M. Hellerstein

Economic Research Service

David A. Hennessy

Iowa State University

Ray G. Huffaker

Washington State University

Alan P. Ker

University of Arizona

Anya McGuirk

Virginia Polytechnic Institute

James Unterschultz University of Alberta

Gary W. Williams

Texas A&M University

Associate/Technical Editor Judith L. Harrison

2200 W. Dickerson St., #22, Bozeman, MT 59718 (WordDoctor@aol.com)

Editorial Assistant Ricardo Cavazos Cepeda

University of Arizona, Tucson

The *Journal of Agricultural and Resource Economics* is published by the Western Agricultural Economics Association twice a year, in July and December.

Copyright © 2002 by the Western Agricultural Economics Association.

An article, note, or other material appearing in the *Journal of Agricultural and Resource Economics* may not be republished in full or in part without permission from the editor.

Editorial Policy

The Journal of Agricultural and Resource Economics seeks to publish creative and scholarly economic studies in agriculture, natural resources, and related issues. Manuscripts dealing with the economics of food and agriculture, natural resources and the environment, human resources, and rural regions are encouraged. The Journal seeks to provide a forum for topics of interest to those performing economic research as well as to those involved with economic policy and education. Submission of comments on articles previously published in the Journal is welcomed.

Editorial Communications

All manuscripts and initial editorial correspondence should be addressed to Gary D. Thompson, Editor, *JARE*, Department of Agricultural & Resource Economics, P. O. Box 210023, 1110 E. North Campus Drive, University of Arizona, Tucson, AZ 85721-0023. Visit our internet web site at http://jareonline.org.

JOURNAL OF -

Agricultural and Resource Economics

Volume 27

Number 1

July 2002

Articles

Agriculture as a Managed Ecosystem: Policy Implications / John M. Antle and Susan M. Capalbo / 1

Microeconomics of Irrigation with Saline Water / Iddo Kan, Kurt A. Schwabe, and Keith C. Knapp / 16

Micro versus Macro Acreage Response Models: Does Site-Specific Information Matter? / JunJie Wu and Richard M. Adams / 40

Variable-Rate Nitrogen Application Under Uncertainty: Implications for Profitability and Nitrogen Use / Murat Isik and Madhu Khanna / 61

The Accuracy of Producers' Probability Beliefs: Evidence and Implications for Insurance Valuation / Bruce J. Sherrick / 77

Estimating a Profit Function in the Presence of Inefficiency: An Application to Russian Agriculture / Carlos Arnade and Michael A. Trueblood / 94

USDA Production Forecasts for Pork, Beef, and Broilers: An Evaluation / Dwight R. Sanders and Mark R. Manfredo / 114

Efficient Policies for Environmental Protection: An Econometric Analysis of Incentives for Land Conversion and Retention / $Andrew\ J.\ Plantinga\ and\ SoEun\ Ahn\ /\ 128$

Storage Technology and the Environment / Erik Lichtenberg and David Zilberman / 146

Identifying the Effects of Generic Advertising on the Household Demand for Fluid Milk and Cheese: A Two-Step Panel Data Approach / Todd M. Schmit, Diansheng Dong, Chanjin Chung, Harry M. Kaiser, and Brian W. Gould / 165

Exit of Meat Slaughter Plants During Implementation of the PR/HACCP Regulations / Mary K. Muth, Shawn A. Karns, Michael K. Wohlgenant, and Donald W. Anderson / 187

Optimal Advertising with Traded Raw and Final Goods: The Case of Variable Proportions Technology / J. A. L. Cranfield / 204

Environmental Regulation and Implications for Competitiveness in International Pork Trade / Mark R. Metcalfe / 222

Economic Impact of Electric Power Industry Deregulation on the State of Washington: A General Equilibrium Analysis / Roger H. Coupal and David Holland / 244

A Dynamic Exercise in Reducing Deer-Vehicle Collisions: Management Through Vehicle Mitigation Techniques and Hunting / K. A. Schwabe, P. W. Schuhmann, and M. Tonkovich / 261

Important Notes to Our Readership

- The Journal of Agricultural and Resource Economics is currently published twice per year, in July and December. Commencing in 2003, production will be increased to three issues per year, in April, August, and December. This new schedule will allow accepted manuscripts and important research to be published in a more timely manner.
- Our publisher, Allen Press, has informed the editors that commencing with the December 2002 issue of the Journal of Agricultural and Resource Economics, a new procedure is to be used for producing the journal. Our previous procedure has been to submit camera-ready hard copy pages for journal production. Allen Press has recently purchased and installed prepress equipment that "allows efficient production directly from PDF electronic files," and consequently will no longer be accepting camera-ready copy submissions. We wish to apprise the readership that this new process is being implemented with the December 2002 issue. The editors welcome your input, comments, and suggestions following the publication of the December journal issue.