The Agricultural and Resource Economics Review (ISSN 1068-2805) (formerly the Northeastern Journal of Agricultural and Resource Economics, ISSN 0899-367X) is the official publication of the Northeastern Agricultural and Resource Economics Association (NAREA). The purpose of the Review is to foster and disseminate professional thought and literature relating to the economics of agriculture, natural resources, and community development. It is the editorial policy of the ARER to encourage manuscript submission without regard to author affiliation and/or location. The ARER is published in April and October. In addition to normal refereed articles, it also publishes invited papers presented at the annual meetings of the NAREA as well as abstracts of selected papers presented at those meetings. It periodically calls for articles written on a specific topic. Membership in the NAREA is open to all persons having an interest in agricultural and resource economics. Membership dues include a subscription to the Review and are $25.00 per year for regular membership and $5.00 per year for students. The single-copy price is $15.00 per issue.

Address all manuscripts and editorial material to:

Dr. Peter J. Parks  
Editor, ARER  
Department of Agricultural, Food, and Resource Economics  
Cook College, Rutgers University  
55 Dudley Road  
New Brunswick, NJ 08901-8520  
e-mail: editor.arer@aesop.rutgers.edu

Address requests for membership, subscriptions, and changes of address to:

Dr. Douglas E. Morris  
NAREA Secretary-Treasurer  
Department of Resource Economics and Development  
316 James Hall  
56 College Road  
University of New Hampshire  
Durham, NH 03824-3589  
e-mail: demorris@cisunix.unh.edu

Copyright © 2004 by the Northeastern Agricultural and Resource Economics Association. Any article or other material appearing in the Agricultural and Resource Economics Review may not be republished in full or in part without the written permission of the editor.
Contents

The papers in this volume were presented at the Linkages Between Agricultural and Conservation Policy Workshop of the NAREA annual meetings, Portsmouth, New Hampshire, June 9–11, 2003.

Invited Papers

The Growing Prevalence of Emergency, Disaster, and Other Ad Hoc Farm Program Payments: Implications for Agri-Environmental and Conservation Programs / Katherine R. Smith .......................... 1

Multifunctionality, Agricultural Policy, and Environmental Policy / David Abler .......................... 8

Using Sciences to Improve the Economic Efficiency of Conservation Policies / JunJie Wu .......................... 18

Some Hard Truths About Agriculture and the Environment / Erik Lichtenberg .......................... 24

Contributed Papers

Participation in Agricultural Land Preservation Programs: Parcel Quality and a Complex Policy Environment / Joshua M. Duke .......................................................... 34


The Coordination and Design of Point-Nonpoint Trading Programs and Agri-Environmental Policies / Richard D. Horan, James S. Shortle, and David G. Abler .......................................................... 61

The Performance of Compliance Measures and Instruments for Nitrate Nonpoint Pollution Control Under Uncertainty and Alternative Agricultural Commodity Policy Regimes / Nii Adote Abrahams and James S. Shortle .......................................................... 79

A Carrot-and-Stick Approach to Environmental Improvement: Marrying Agri-Environmental Payments and Water Quality Regulations / Robert C. Johansson and Jonathan D. Kaplan .......................................................... 91

Do Conservation Practices and Programs Benefit the Intended Resource Concern? / John V. Westra, Julie K. H. Zimmerman, and Bruce Vondracek .......................................................... 105

Simulating the Effects of a Green Payment Program on the Diffusion Rate of a Conservation Technology / Kenneth A. Baerenklau .......................................................... 121

Are Green Payments Good for the Environment? / Erik Lichtenberg .......................................................... 138

Alternative Green Payment Policies When Multiple Benefits Matter / Jinhua Zhao, Lyubov A. Kurkalova, and Catherine L. Kling .......................................................... 148

This workshop was funded by support from: USDA, NRICGP (Markets and Trade Program), Award No. 2003-35400-12882; USDA, Economic Research Service, Cooperative Agreement No. 43-3AEL-2-80070; Northeast Regional Center for Rural Development (NERCRD); and University of Delaware, Department of Food and Resource Economics. Host Institution: University of New Hampshire.