

AGRICULTURAL AND RESOURCE ECONOMICS REVIEW

The Multifunctional Attributes of Northeastern Agriculture: A Research Agenda / *S. S. Batie*

Land Use Policy as Volitional Pragmatism / *D. W. Bromley*

Land, Economic Change, and Agricultural Economics / *E. N. Castle*

Capitalization of Open Spaces into Housing Values and the Residential Property Tax Revenue Impacts of Agricultural Easement Programs / *J. Geoghegan, L. Lynch, and S. Bucholtz*

Land Development and Current Use Assessment: A Theoretical Note / *R. W. England and R. D. Mohr*

Conservation Contracting in Heterogeneous Landscapes: An Application to Watershed Protection with Threshold Constraints / *P. J. Ferraro*

Preferences for Residential Development Attributes and Support for the Policy Process: Implications for Management and Conservation of Rural Landscapes / *R. J. Johnston, S. K. Swallow, D. M. Bauer, and C. M. Anderson*

Modeling and Managing Urban Growth at the Rural-Urban Fringe: A Parcel-Level Model of Residential Land Use Change / *E. G. Irwin, K. P. Bell, and J. Geoghegan*

Characterizing Land Use Change in Multidisciplinary Landscape-Level Analyses / *J. D. Kline*

Is There Evidence of a Critical Mass in the Mid-Atlantic Agriculture Sector Between 1949 and 1997? / *L. Lynch and J. Carpenter*

Protecting Rural Amenities Through Farmland Preservation Programs / *C. J. Nickerson and D. Hellerstein*

Zoning, Development Timing, and Agricultural Land Use at the Suburban Fringe: A Competing Risks Approach / *D. Hite, B. Sohngen, and J. Templeton*

Volume *Number*

32/1

April 2003

*Published by the
Northeastern Agricultural and
Resource Economics Association*

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 \$15.00 per year for regular membership and \$5.00 per year for students. The single-copy price is \$7.50 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 © 2003 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.

PUBLISHED BY THE NORTHEASTERN AGRICULTURAL
AND RESOURCE ECONOMICS ASSOCIATION

PRINTED BY THE SHERIDAN PRESS, INC., HANOVER, PENNSYLVANIA

AGRICULTURAL AND RESOURCE ECONOMICS REVIEW

Volume 32 / Number 1 ■ April 2003

Contents

*The papers in this volume were presented at the
Land Use Policy Workshop of the NAREA annual meetings,
Harrisburg (Camp Hill), Pennsylvania, June 9–11, 2002.*

Invited Papers

- The Multifunctional Attributes of Northeastern Agriculture: A Research Agenda /
Sandra S. Batie 1
- Land Use Policy as Volitional Pragmatism / *Daniel W. Bromley* 9
- Land, Economic Change, and Agricultural Economics / *Emery N. Castle* 18

Contributed Papers

- Capitalization of Open Spaces into Housing Values and the Residential Property
Tax Revenue Impacts of Agricultural Easement Programs / *Jacqueline Geoghegan,
Lori Lynch, and Shawn Bucholtz* 33
- Land Development and Current Use Assessment: A Theoretical Note /
Richard W. England and Robert D. Mohr 46
- Conservation Contracting in Heterogeneous Landscapes: An Application to
Watershed Protection with Threshold Constraints / *Paul J. Ferraro* 53
- Preferences for Residential Development Attributes and Support for the Policy Process:
Implications for Management and Conservation of Rural Landscapes / *Robert J. Johnston,
Stephen K. Swallow, Dana Marie Bauer, and Christopher M. Anderson* 65
- Modeling and Managing Urban Growth at the Rural-Urban Fringe: A Parcel-Level
Model of Residential Land Use Change / *Elena G. Irwin, Kathleen P. Bell, and
Jacqueline Geoghegan* 83
- Characterizing Land Use Change in Multidisciplinary Landscape-Level Analyses /
Jeffrey D. Kline 103
- Is There Evidence of a Critical Mass in the Mid-Atlantic Agriculture Sector Between
1949 and 1997? / *Lori Lynch and Janet Carpenter* 116
- Protecting Rural Amenities Through Farmland Preservation Programs /
Cynthia J. Nickerson and Daniel Hellerstein 129
- Zoning, Development Timing, and Agricultural Land Use at the Suburban Fringe:
A Competing Risks Approach / *Diane Hite, Brent Sohngen, and Josh Templeton* 145

AGRICULTURAL AND RESOURCE ECONOMICS REVIEW

Volume 32 / Number 1 ■ April 2003

Peter J. Parks, Editor
Rutgers University

Judith L. Harrison, Technical Editor
Bozeman, Montana

EDITORIAL BOARD

Donald Blayney, USDA/ERS
J. Stephen Clark, Nova Scotia Agricultural College
Ramu Govindasamy, Rutgers University
Tim Kelsey, Pennsylvania State University
Howard Leathers, University of Maryland

Andrew Plantinga, Oregon State University
Kellie Curry Raper, Michigan State University
Qingbin Wang, University of Vermont
Silvia Weyerbrock, Princeton University

ASSOCIATION OFFICERS

PRESIDENT Stephen K. Swallow, University of Rhode Island
PRESIDENT-ELECT James S. Shortle, Pennsylvania State University
PAST PRESIDENT John M. Halstead, University of New Hampshire
SECRETARY-TREASURER Douglas E. Morris, University of New Hampshire

EXECUTIVE COMMITTEE

J. Stephen Clark, Nova Scotia Agricultural College
Director, 2002–2005
Gerard D'Souza, West Virginia University
Director, 2000–2003
Jeremy Foltz, University of Connecticut
Director, 2001–2004
John M. Halstead, University of New Hampshire
NAREA Past President
Janelle Larson, Pennsylvania State University
Director, 2001–2004
Susan Leetmaa, USDA/ERS
USDA Government Representative (ex-officio)
James D. Leiby, University of Maine
Director, 2002–2005

Lori Lynch, University of Maryland
Director, 2000–2003
John Mackenzie, University of Delaware
Webmaster-Historian (ex-officio)
Douglas E. Morris, University of New Hampshire
NAREA Secretary-Treasurer
Peter J. Parks, Rutgers University
ARER Editor
James S. Shortle, Pennsylvania State University
NAREA President-Elect
Stephen K. Swallow, University of Rhode Island
NAREA President
Harry Vroomen, The Fertilizer Institute
Industry Representative (ex-officio)