



AgEcon SEARCH
RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

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.*

INVITED PAPERS TO THE 40th ANNUAL CONFERENCE AARES

Economic Development, Trade, and the Environment

K. ANDERSON

Water Management in a Far From Equilibrium System: A Model of the
Columbia River

R. BELL, S. BEARE, P. KOKIC AND F. DENNIS

Environmental Trade-Offs in Resource Management: Fish, Power, and
Carbon on the Columbia River

S. BUCHANAN

Allocation of Water Among Agricultural and Urban Users in Israel,
U.Chakravorty

E. BRILL AND E. HOCHMAN

Risk and International Environmental Policy: Emerging Issues For the
Minerals Sector

A. COX AND P. GOODAY

Financial Risk Management for Australian Wheatgrowers

G. HERTZLER AND A. COAD

Water Resource Management in Thailand: An Economic Perspective

M. KAOSAARD

Pricing Water for Power Generation: A Two-Tier Approach

B. S. LABSON

Groundwater Quality Policy Under Uncertainty

E. LICHTENBERG AND T. PENN

An Economic Assessment of the Uruguay Round Agreement on
Agriculture

W. MARTIN AND L.A. WINTERS

Spatial Management of a Sea Water Intruded Aquifer

D. PARKER AND T. HART

Agribusiness System Performance and Public Policy

B. SCHRODER AND F. MAVONDO

Strategies for Procuring Agricultural Water Rights

D. SUNDING

Exceptional Circumstances: Exploring Some New Definitions and
Approaches

D. THOMPSON AND R. POWELL

Food Aid, Food Policy and the Uruguay Round: Implications for
Bangladesh

P. AND H. AHAMMAD

Impediments to Product Differentiation

V. WRIGHT

Economics of Sustainable Agriculture

D. ZILBERMAN

CONTRIBUTED PAPERS TO THE 40th ANNUAL CONFERENCE AARES 1996

Farmers' Risk Perspective on Adoption of Legume Crops

A.K. ABADI GHADIM AND D.J. PANNELL

Supply of Australian Wool Under Recent Changing Policies

F. AGBOLA

The Australian Agricultural Economics Profession: An Appraisal of
Current Trends

F. AHMADI-ESFAHANI

The Industrial Organisation of the Chinese Food Economy

F. AHMADI-ESFAHANI AND C. LOCKE

Estimating the Wholesale Demand for Food in Beijing

F. AHMADI-ESFAHANI AND R. STANMORE

Sustainability Dimension in the Adoption of Short Duration
Pigeonpeas in Non-legumes-based Cropping Systems

C. S. BANTILAN AND D. PARTHASARTHY

Economics of Polypiping Artesian Water Distribution: A Case Study

R.L. BATTERHAM

Economic Policies of the G3: Implications for International Exchange
Rates

R. BELL, E. DANZI AND J. PENM

Estimating the Recreation Use Values of National Parks

J. BENNETT

Contingent Valuation: A Question of Validity

R. K. BLAMEY

Water Policy Reform in Victoria—A Regional Perspective

J. BRANSON AND M. EIGENRAAM

Protecting a Forest From Incurable Disease: Disease Prevention in the
Jarrah Forests of Western Australia

P. BRENNAN AND D. DOLE

Structural Change in Philippine Agriculture: A General Equilibrium
Analysis

B. BUETRE AND F. AHMADI-ESFAHANI

- An Econometric Model of World Coking Coal Trade: Specification, Data Issues and Key Findings
C. CHANG
- An Economic Model for Comprehensive Regional Forest Assessments: A Case Study—Some Issues and Considerations
T. DANN AND J. CLARK
- A Comparison of the Taxation of Farmers in Australia and New Zealand
R.A. DOUGLAS AND J. KING
- A Causality Model For The Australian Economy
H. EBNEHASHIDI
- Water Policy Reform in Victoria: A Spatial Equilibrium Approach
M. EIGENRAAM, G. STONEHAM, B. SAPPIDEEN AND R. JONES
- Strategic Alliances and Marketing Cooperatives: A Lamb Industry Case Study
T.C. FARRELL AND P.R. TOZER
- Measuring the Social Costs of Rent-Seeking in Agriculture-Based Rural Development Projects in Developing Countries
E. FLEMING
- Application of Mathematical Programming Models for Strategic Direction Setting
N. FREE
- Making Nature Pay: Economics of Plant Germplasm Collections in Papua New Guinea
D. GODDEN AND R. KAMBUOU
- The Competitive Structure of the Australian Meat Industries
G.R. GRIFFITH, X. ZHAO AND J.D. MULLEN
- The Economics of Integrated Pest Management (IPM) on Processing Tomatoes
P. J. GRINTER
- Policy Induced Substitution of High Fructose Corn Syrup for Sugar in The United States
A. HAFI, P. CONNELL AND I. ROBERTS
- Some Unpleasant Natural Resource Accounting Arithmetic
M. HARRIS
- Ecotourism Development and Nature Conservation: The Use of the Safe Minimum Standard Rule
G. HERATH
- Economics of Environmental Water Allocation: A Case Study in the Gwydir Wetlands, NSW
C. HILL AND T. YATAWARA

- Returns from Incremental Promotion Expenditure in the Dairy Industry
D.J. HILL, R.R. PIGGOTT AND G.R. GRIFFITH
- Foresight and Self-Enforcement in Common-Property
G.J. HOLLOWAY
- Estimating the Production Cost of Land Degradation
P. HONE
- Crop Insurance: The Relationship Between Indemnity Price and Expected Output Price
C. E. HYDE
- Developments in the Trade and Environment Debate
R.W.M. JOHNSON
- Estimated Demand and Supply for Irrigation Water in Southern NSW
R. JONES AND M. FAGAN
- An Evaluation of Regulatory Impediments to the Growth and Efficiency of Small Agribusiness Firms in Australia
C. KELLY, N. MILHAM AND R. DOUGLAS
- Rules for Optimal Clearfelling in Multiproduct Forestry Subject to Risk
J. O. S. KENNEDY AND D. C. GALAPITAGE
- The On-Farm Value of Animal Welfare
R. KINGWELL
- The Reform of Price Policy for Maize in Ghana
Y. KYEI AND K.A. PARTON
- Potential Welfare Gains from Rural-Urban Water Reallocation in Southern Alberta, Canada
L. J. LO AND T. M. HORBULYK
- Implications of the Debt Overhang for International Agricultural Trade
C. LOCKE AND F. AHMADI-ESFAHANI
- Human Nutrition: Research Evaluation Methodology and Some Applications
G. LUBULWA
- Price Risk Reduction for Woolgrowers Using the New Wool Futures Contract
M. LUBULWA, S. BEARE, M. FOSTER, AND A. BUI-LAN
- The Role of Covenants in Markets for Natural Resources
T.G. MACAULAY
- Trade Distortions and Policy Instruments: How Should the Effects be Measured?
D. MACLAREN
- Determining Optimal Intensity of Irrigation for Representative Farms in the Murray Valley
J.C. MADDEN AND S.A. PRATHAPAR

- Assessment of Research in Multistage Production Systems and Quality-Differentiated Markets
M. C. MANGABAT AND G. W. EDWARDS
- Risk Attitude, Planting Conditions and Value of Climate Forecasts to a Dryland Wheat Grower
G.R. MARSHALL AND K.A. PARTON
- Does Extension Pay? A Case Study Looking at the Adoption of Lupins in Western Australia
S. P. MARSH, D. J. PANNELL AND R. K. LINDNER
- Factors Influencing Farmers' Satisfaction With Irrigation Schemes
R.K. MASKEY & G.H. WAN
- An Economic Analysis of Affordability of Irrigation Schemes in LDCs: Evidence from a Field Study in the Hills of Nepal
R.K. MASKEY & G.H. WAN
- Comparing Measures of Total Factor Productivity in Broadacre Agriculture
J. MULLEN AND L.STRAPPAZZON
- The Technical Efficiency of Small Agricultural Producers in Central Ethiopia
M.D. NSANZUGWANKO, G.E. BATTESE AND E.M. FLEMING
- Assessing the Value of Trees on Farms in the Harnham Landcare Group District
K. O'BRIEN AND K. A. PARTON
- A Disequilibrium Econometric Model of the Australian Raw Wool Market
E. OCZKOWSKI
- Sensitivity Analysis: Theoretical Framework and Practical Strategies
D. J. PANNELL
- Evaluation Issues for Multi-project Research Activities: An Application to Rhizobium Research in the Philippines
T. PARIS, N. CARAMBAS AND J. DAVIS
- Economics of Integrated Pest Management: Overview
P. PARIGI AND B. MALCOLM
- Profitability and Salinity: The Role of Agroforestry in Maintaining Sustainable Cropping Systems in Northern NSW
I. PATRICK, M. BRYANT AND J FARGHER
- The Precautionary Principle for Environmental Management: Economic Analysis of a Moral Injunction
M.F. ROGERS, J.A. SINDEN, AND T. DE LACY
- Why the Cost of Performing Analysis Matters for CV Practitioners
J. ROLFE
- Valuing International Rainforests—A Choice Modelling Approach
J. ROLFE & J. BENNETT

The Marketing of Australia's Live Cattle: An Interregional Trade Modelling Approach

A. RUTHERFORD

Modelling the Impact of Water Policy Reforms on Dairy Farm Performance in the Southern Murray-Darling Basin

M. SCOCCIMARRO, J. BRANSON, L. WALL &
T. MALLAWAARACHCHI

An Economic Analysis of Potential Changes to a Rice Breeding Program

I. P. SINGH & J. P. BRENNAN

Teaching on Risk and Adoption of Rural Innovations: A Role for Simulation Games?

V. A. M. STEWART AND A. K. ABADI GHADIM AND R. KINGWELL

Management of Sheep Grazing Annual Pastures in Western Australia: Pasture Deferment and Optimal Stocking Rate

T. SUGIHARTO & D. J. PANNELL

The Economics of Developing a Tagasaste Plantation for Beef Cattle Production on a Farm in Western Australia

E. TAYLOR AND R. MURRAY-PRIOR

Forecasting Farm Performance: Simulating Non-Normal Distributions

P.R. TOZER AND G. KAINÉ

Linkages Between Indonesian Grains, Livestock And Agribusiness Policies, And Opportunities For Australian Investment And Trade

R. TREWIN

An Analytical Framework for Resource Allocation in Fisheries with Multiple Users

M.S. VAN BUEREN, R.K. LINDNER AND P.B. McLEOD

Hedging With Crop Yield Insurance Futures

T. VUKINA, D.F. LI AND D. HOLTHAUSEN

BCA and GIS: Integration of Economic and Environmental Indicators to Aid Land Management Decisions

S.C. WALPOLE AND J.A. SINDEN

Varietal Selection in Sugarcane: Guidance from Economics and Modelling

M.K. WEGENER

Alternative Strategies for Funding Rural Research and Development in Australia

S. P. WHELAN, R. G. MUNRO, G. MACAULAY, R. L. BATTERHAM
AND D. P. GODDEN

The Environment, Information and the Precautionary Principle

I. WILLS

The Socioeconomic Variables and Food Consumption Expenditure: An Analysis of Taiwan's Family Income and Expenditure Survey Data in 1992

M. WU

Impact on Australian Agriculture of Widespread Adoption of Organic Farming

E. WYNEN

Determining the Time Horizon for Benefits in Benefit-Cost Analysis—the Case of Obsolescent Technology

R. YOUNG

Functional Form and Measurement of Economic Surplus Change

X. ZHAO, J.D. MULLEN AND G.R. GRIFFITH

Estimating Grain Supply Response for China with Panel Data

Z.Y. ZHOU, G.H. WAN AND L.B. CHEN



Walter de Gruyter
Berlin • New York

EUROPEAN REVIEW OF AGRICULTURAL ECONOMICS

Editor: Alison Burrell, Wageningen Agricultural University, The Netherlands

Book Review Editors: Stephan von Cramon-Taubadel, Institute for Agricultural Economy, Kiel, Germany

The **European Review of Agricultural Economics** serves as a forum for discussion and dissemination of theoretical and applied agricultural economic research in Europe and for stimulating ideas relating to the economic problems of agriculture in Europe and other parts of the world.

The Review strives throughout for a balanced coverage of all issues within the broad subject matter of agricultural economics. Among the topics included are, for example, production economics and farm management, agricultural policy, regional planning and rural development, factor markets, supply and demand analysis, marketing of agricultural and food products, international trade and development, and methodology. Original articles are published as well as full or abstracted articles, shorter features, including book reviews, comments on previously published articles, and information about activities in the field of European agricultural economics, such as meetings and conferences. This ensures coverage of the most recent information available.

The **European Review of Agricultural Economics** is published as one volume of four issues per year (approx. 560 pages).

Subscription rates for **Volume 23 (1996):**

Libraries and institutions: DM 338,- / öS 2.637,- / sFr 321,-

Individuals*: DM 149,- / öS 1.162,- / sFr 144,-

Single copies: DM 88,- / öS 687,- / sFr 86,-

Prices do not include postage and are subject to change.

* Subscriptions at the individual rate are for personal use only and must be prepaid and ordered directly from the publishers. The individual rate is not available to residents of the FRG, Austria or Switzerland.

Institutional subscriptions and single or back issues can be ordered from your local bookseller or subscription agent, or directly from de Gruyter at the following address:

For North America:

Walter de Gruyter, Inc.
200 Saw Mill River Road
Hawthorne, NY 10532, USA
Fax 914 747 0110

For all other countries:

Walter de Gruyter & Co.
P.O. Box 30 34 21, D-10728 Berlin
Federal Republic of Germany
Tel. 30 26005-0 Fax 30 26005-222

Referees of Papers Submitted to the AJAE in 1995

Alston, J.	Martin, W.
Anderson, J.	Muscatelli, V.
Authukorala, P.	Myers, R.
Beard, G.	Ozkowski, E.
Beattie, B.	Pandey, S.
Blank, S.	Piggott, N.
Burley, H.	Powell, R.
Carson, R.	R.Drynan, R.
Carter, C	Randall, A.
Chavas, J-P.	Reidel, J.
Davidson, B.	Salerian, J.
Duncan, R.	Sasaki K
Edwards, G.	Silvapulle, P.
Esfahani, F.	Smith, K.
Fen, S.	SriRamaratanam, R.
Fraser, R.	Sturgess, I.
Freebairn, J.	Tyers, R.
Goodwin, B.	Vishwakarma, K.
Harrison, S.	Vlastuin, C.
Josling, T.	Warr, P.
Kinnucan, H.	Wetzstein, M.
LaFrance, J.	Williams, C.
Li, E.	Woodbridge, G.
Lockwood, M	Wright, B.
MacLaren, D.	Wu, P.