

MONDAY JUNE 21

Breakout Session 1

Baronets 2,3

8:30 – 10:00 am

Monday June 21, 2004

PRINCIPAL PAPER SESSION (1) THE ECONOMICS OF BIOSPHERE GREENHOUSE GAS MANAGEMENT

Session Organizers: Paul J. Thomassin and Paul Atkinson, McGill University

Rationale:

Recent clarifications of the Kyoto Protocol at the Conference of the Parties (COP 7) recognized that agricultural soils can be included as a carbon sink along with afforestation and reforestation. As a result, the biosphere can potentially play an important role in satisfying our GHG commitment. A major funding initiative was put forward by BIOCAP and SSHRC to investigate the potential for management of the biosphere for GHG. This principal paper session will report the results of the Network's initial research. The six research nodes in this network will present their findings.

Chair: John Henning, McGill University

Papers

GHG Emission Levels and Farm Profits for alternative Systems: Approach and Preliminary Results - Emmanuel Yiridoe (Nova Scotia Agricultural College)

Preliminary Results of an Integrated Analysis of Mitigation Strategies from Greenhouse Gas Emissions from Agriculture - Suren Kulshreshtha (University of Saskatchewan)

Cost-effectiveness of Terrestrial Carbon Sinks - J. Steve Clark, Nova Scotia Agriculture College

Challenges and Opportunities for Development of a Bio-based Economy - Kurt Klein (University of Lethbridge)

Development of a Carbon Trading Institution - Paul J. Thomassin (McGill University)

Factors Affecting the Efficacy and Extent of Biosphere Greenhouse Gas Management - Murray Fulton (University of Saskatchewan)

Baronets 6

8:30 – 10:00 am

Monday June 21, 2004

SELECTED PAPER SESSION (1) Production I

Moderator: Dan Lass

Heterogeneity, Empirical Distributions and Aggregation - David R. Just and Barrett E. Kirwan, Cornell University.

Managerial Intensity and the Adoption of Conservation Tillage - Jorge Fernandez-Cornejo, ERS/USDA, and Alexandra Gregory, University of Missouri.

Blowing in the Wind: Impact of Spatial Drift on Producers' Profits - Cheryl Brown, West Virginia University and Lori Lynch, University of Maryland.

Factors Affecting the Decision to Exit Dairy Farming: A Two-Stage Regression Analysis - L.A. Bragg and T. J. Dalton, both University of Maine.

Baronets 1

8:30 – 10:00 am

Monday June 21, 2004

SELECTED PAPER SESSION (2) Consumer Behaviour and GMOs

Moderator: Richard Gray

Consumer Acceptance of Genetically Modified Foods in Korea: Factor and Cluster Analysis - Benjamin Onyango, Rutgers University

Consumer Behaviour: Who Seeks Information about GM Food? - Ge Gao (University of Alberta), Michele Veeman (University of Alberta), Vic Adamowicz (University of Alberta) and Wuyang Hu (University of Alberta).

Willingness to Pay for GM Foods with Bundled Health and Environmental Attributes - Mario F. Teisl, University of Maine, Brian Roe, the Ohio State University, and Mike Vayda, University of Maine.

Investigating the Value of Information in Mandatory versus Voluntary GM Labelling - Wuyang Hu (University of Alberta), Michele Veeman (University of Alberta) and Vic Adamowicz (University of Alberta).

MacDonald

8:30 – 10:00 am

Monday June 21, 2004

SELECTED PAPER SESSION (3) Resources & Environment I

Moderator: Kelly Giraud

Leveraging Landscape Change: Addressing dynamic efficiency issues in NRM policy through innovative investment approaches - Steve Hatfield Dodds (CSIRO), Carl Binning (Greening Australia) and Brenda Dyack (CSIRO).

Preliminary Assessment of Wind Energy Production in Northern New England - Peter Girard and Gregg Caporossi, both University of New Hampshire.

Complexity in Decision Making: The Effect of Task Structure and Context on Participant Response - Amanda Moon (University of Alberta), Vic Adamowicz (University of Alberta) and Peter Boxall (University of Alberta).

Two Tests of the Pollution Havens Hypothesis Applied to German Manufacturing - Ulrich J. Wagner and Christopher Timmins, both Yale University.

MayFlower

8:30 – 10:00 am

Monday June 21, 2004

SELECTED PAPER SESSION (4) Economics Analysis of Import Issues

Moderator: Rakhal Sarker

Marginal Impacts of High Reliability Organization on Disease Entry Risk at U.S. Ports - E. William Nganje (North Dakota State University), Steven Venette (North Dakota State University), Timothy Selnow (North Dakota State University), and Simeon Kaitibie (North Dakota State University).

Home Bias and U.S. Imports of Processed Food Product - Rigoberto A. Lopez, Emilio Pagoulatos, and Maria A. Gonzalez, all University of Connecticut.

Négociations et Allocation des Permis d'Importation dans l'Industrie Canadienne du Poulet - Sébastien Pouliot (Laval University) et Bruno Larue (Laval University).

MacKay

8:30 – 10:00 am

Monday June 21, 2004

SELECTED PAPER SESSION (5) Issues in Demand Analysis and Consumer Behaviour

Moderator: John Cranfield

A Pooled Cross-Sectional-Time-Series Model of Canadian Fluid Milk Consumption - Jing Zhang (University of Alberta) and Ellen Goddard (University of Alberta).

Household Demand for Non-alcoholic Beverages in Canada - Cindy Wang (University of Alberta) and Ellen Goddard (University of Alberta).

Returns to State Agricultural Promotion: A Case Study of the Jersey Fresh Program - Ramu Govindasamy, Brian J. Schilling, Kevin P. Sullivan, and Calum G. Turvey, all Rutgers University.

Consumer Willingness to Pay for Farm-Raised Baitfish in the Northeast - Hong Ding, John D. Pesek, John C. Bernard, and Richard Bacon, all University of Delaware.

Refreshment Break - Bluenose Ballroom

10:00-10:30 am

Monday June 21st

Breakout Session 2

Baronets 4,5,6

10:30 – 12:00 pm

Monday June 21, 2004

INVITED SESSION 1:

INDIVIDUAL TRANSFERABLE QUOTAS AND COMMUNITY-BASED MANAGEMENT: IS THERE A CHOICE? - Dr. Bonnie J. McCay, Board of Governors Distinguished Service Professor and Chair, Department of Human Ecology, Cook College, Rutgers the State University.

Dr. McCay will present a timely and fitting topic for our venue. Dr. McCay has conducted extensive research on fisheries and marine resources including Nova Scotia. She is currently a member of the Federal Advisory Panel on Marine Protected Areas and the National Research Council Committee on Research Priorities on Environmental Decision-Making.

Discussant: Tony Charles, St. Mary's University.

Baronets 1

10:30 – 12:00 pm

Monday June 21, 2004

SELECTED PAPER SESSION (6) Issues in Biotechnology

Moderator: Richard Schoney

Strategic Networks in the Biotechnology Industry: The Performance of Strategic Alliance Relationships - Laate Emmanuel Anum (University of Alberta), Unterschultz, J (University of Alberta) and Ng, D (University of Alberta).

Structures and Characteristics of Canadian Agricultural Innovative Biotechnology Firms - Daryl Van Moorsel (University of Guelph), John Cranfield (University of Guelph), Dave Sparling (University of Guelph).

Public Approval of Plant and Animal Biotechnology in Korea: An Ordered Probit Analysis - Ramu Govindasamy, Rutgers University.

Measuring the Effects of Agricultural Biotechnology: Does the Approach Matter? - Bishnu P. Saha (University of Guelph) and Rakhal C. Sarker (University of Guelph).

Baronets 2,3

10:30 – 12:00 pm

Monday June 21, 2004

SELECTED PAPER SESSION (7) NAFTA and Trade Issues

Moderator: Bill Kerr

Canada-Mexico Agricultural Trade Under NAFTA - James Rude (University of Manitoba) and Jared Carlberg (University of Manitoba).

Bundling one's way around trade barriers: A story of mixed vegetables - Kathy Baylis (University of British Columbia).

Effects of Regional Trade Agreements on Trade in Agri-food Products: Evidence from Gravity Modeling for the North American Free Trade Agreement - Rakhal Sarker (University of Guelph) and Sampath Jayasinghe (University of Guelph).

MacKay

10:30 – 12:00 pm

Monday June 21, 2004

SELECTED PAPER SESSION (8) Greenhouse Gas

Moderator: James McQueen

Kyoto - Is It Good for Business? - Murray Fulton (University of Saskatchewan), Richard Gray (University of Saskatchewan) and Monika Çule (University of Saskatchewan).

From Growing Crops to Growing Carbon: Some Economic Implications of Greenhouse Gas Mitigation Activity. Mark Sperow, West Virginia University.

Evaluating Economics Of Greenhouse Gas Emission Under High And Low Inputs Farming System - M. Khakbazan (Agriculture and Agri-Food Canada), M. Monreal (Agriculture and Agri-Food Canada), D.A. Derksen (Agriculture and Agri-Food Canada) and R.P. Zentner (Agriculture and Agri-Food Canada).
The Importance of Incorporating the Agricultural Sector as a Carbon Sink in the Design of a Domestic Carbon Emissions Trading Scheme - Gmelina Ramirez-Ramirez (University of British Columbia) and Rick Barichello (University of British Columbia).

McNab **10:30 – 12:00 pm** **Monday June 21, 2004**
SELECTED PAPER SESSION (9) Applied Demand Analysis
Moderator: Timothy Beatty

Meat Consumption Patterns in China and the Implications for Grain Self-sufficiency - Jean (Xiaozhan) Liu (University of Alberta), Terry Veeman (University of Alberta) and Michele Veeman (University of Alberta).
Demand For Fats And Oils In Canada; A Comparative And Econometric Analysis Of Consumer Behaviour And Preferences - Freda Glover (University of Alberta) and Ellen Goddard (University of Alberta).
Bio-Fuels in Canada: A Rank Three Demand Analysis - Chris Nicol (University of Lethbridge) and K. K. Klein (University of Lethbridge).
Pursuing robust estimates: Does cross-sectional analysis support previous evidence of the impact of media information on Canadian meat demand? - Jose L. Lomeli (University of Alberta) and Ellen W. Goddard (University of Alberta).

NAREA Luncheon – Bluenose Ballroom **12:00-130** **Monday June 21,2004**

Breakout Session 3

Baronets 4,5,6 **1:30 – 3:00 pm** **Monday June 21, 2004**
CAES PRESIDENTIAL & FELLOWS ADDRESS

CAES Presidential Address

Pricing-To-Market for Agri-Food Products: Simple Theoretical Insights-Formidable Econometric Challenges.
Bruno Larue, Professor at Université Laval and Canada Research Chair in International Agri-Food Trade at the Centre de Recherche en Économie Agroalimentaire (CREA).

Daryl Kraft Fellows Address

Atlantic Agriculture After Free Trade

Garth Coffin, CAES and AIC Fellow and Past President AIC

MacDonald **1:30 – 3:00 pm** **Monday June 21, 2004**
SELECTED PAPER SESSION (10) Resources & Environment II
Moderator: John Halstead

Modeling the Interaction of Growth and Natural Amenities in West Virginia - Yohannes G. Hailu and Alan R. Collins, West Virginia University.

Estimating Nonuse Values for Aquatic Resource Improvements: An Application of Meta-Analysis - Robert J. Johnston, University of Connecticut, Elena Y. Besedin, ABT Associates, Inc., Richard Iovanna, US EPA, Christopher Miller, US EPA, Ryan F. Wardwell, and Matthew H. Ranson, ABT Associates, Inc.

Using Risk Based Analysis and Geographic Information Systems to Calculate Flood Damages in an Urban Watershed in Rhode Island - Kent Hardmeyer and Michael A. Spencer, Natural Resources Conservation Service/USDA.

Was MtBE a Costly Mistake? The Evidence from Main - Cecilia M. Clavet, Jonathan Rubin, and John M. Peckenham, all University of Maine.

McNab **1.30 – 3.00pm** **Monday June 21, 2004**
SELECTED PAPER SESSION (11) **Issues in Farmland Usage**
Moderator: Jim Hanson

The Revealed Importance of Federal Farmland Protection Objectives - Cynthia J. Nickerson and Charles H. Barnard, ERS/USDA.

Political Economy of Local Land Preservation Taxes in New Jersey - Lucas J. Marxen and Brian Schilling, Rutgers University.

Indivisibility and Divisibility in Land Development Decisions Over Time and Under Uncertainty - Amit Batabyal, Rochester Institute of Technology.

MayFlower **1:30 – 3:00 pm** **Monday June 21, 2004**
SELECTED PAPER SESSION (12) **Regional Economics**
Moderator: Tim Dalton

Do Cruise Ship Passengers Return to Bar Harbor for Future Visits? - Colleen Lynch, Todd Gabe and James McConnon, University of Maine.

Business Growth in Small Maine Cities and Towns - Todd M. Gabe, University of Maine.

The Economic Impact and Importance of Micro-businesses to the New England Economy - Sibel Atasoy, James McConnon, and Todd Gabe, all University of Maine.

MacKay **1:30 – 3:00 pm** **Monday June 21, 2004**
SELECTED PAPER SESSION (13) **Issues in Water & Aquaculture**
Moderator: Jim Murphy

Threshold Effects and Water Quality Trading: Ecological Improvement in an Optimal Control Framework - Xiaobing Zhao and Jerald J. Fletcher, West Virginia University.

The Contingent Behavior of Charter Fishing Participants on the Chesapeake Bay: Consumer Surplus Estimates Associated with Water Quality Improvements - P. Joan Poor and Matthew Breece, both St. Mary's College of Maryland.

Optimal Management of Soil and Water Resources: A Case Study from the Philippines - Maneechit Pattanapanchai, Jorge de Prada, Shigekazu Kawashima, Deepak Joglekar, Emmanuel Genio, and Farhed Shah, all University of Connecticut.

Optimal Allocation of Groundwater Resource in the Hai River Basin: Managing Quantity and Quality - Qiuqiong Huang and Scott Rozelle, both University of California, Davis.

Refreshment Break-Bluenose Ballroom **3:00-3:30pm** **Monday June 21st**

Baronets 4,5,6 **3:30 – 5:00 pm** **Monday June 21, 2004**
CAES ANNUAL GENERAL MEETING

Baronets 1,2,3 **3:30 – 5:00 pm** **Monday June 21, 2004**
NAREA ANNUAL GENERAL MEETING

TUESDAY JUNE 22

Breakout Session 4

Baronets 2,3

8:30 – 10:00 am

Tuesday June 22, 2004

PRINCIPAL PAPER SESSION (2) BIO-ENERGY IN NORTH AMERICA: PROBLEMS, POLICIES, AND POTENTIAL

Session organizer: Kurt Klein, University of Lethbridge

Rationale:

This session is intended to encourage debate on the problems and policies related to the development of bio-based energy in Canada and the United States. It is hoped that this session will lead to improved understanding of the potential role of bio-fuels in boosting energy supplies and alleviating production of greenhouse gases. The economic incentives and constraints surrounding the development of a viable bio-fuels industry will be the main topic of discussion. Four papers will be presented: two from Canada and two from the United States. The papers will be structured to examine the key issues from the separate perspectives of the two countries.

Chair: Kurt Klein, University of Lethbridge

Papers:

US Ethanol Policy: Is It The Best Energy Alternative? Otto Doering (Purdue University).

Ethanol and Bio-diesel in Canada: Is it the Way to Kyoto? Nancy Bergeron (Université Laval), Robert Romain (Université Laval) and K. K. Klein (University of Lethbridge)

Trading Biofuels – Will International Trade Law Be A Constraint? - William A. Kerr and Laura J. Loppacher (University of Saskatchewan).

Anaerobic Treatment of Agricultural and Food Wastes for Bio-fuels and Improved Environmental Quality - George Criner (University of Maine)

Baronets 1

8:30 – 10:00 am

Tuesday June 22, 2004

SELECTED PAPER SESSION (14) Resources & Environment III

Moderator: Kevin Boyle

Combating the Invasion of Hemlock Woolly Adelgid: the Role of Public Awareness - Brenna Byrne, Kathleen P. Bell, both University of Maine, and Thomas P. Holmes, RWU-FS-SRS, Southern Research Station, Research Triangle Park.

Agri-Environmental Programs in the United States and European Union and their implications for Trade - Kathy Baylis (University of British Columbia), Gordon C. Rausser (University of California) and Leo K. Simon (University of California).

Agricultural and Residential Nuisances: Evidence on Bilateral Cost Shifting - Joshua M. Duke, and Sean E. O'Neill and Sean E. O'Neill University of Delaware.

MacDonald

8:30 – 10:00 am

Wednesday June 23, 2004

SELECTED PAPER SESSION (15) Issues in Rural Economics

Moderator: Jared Carlberg

Agent-based modeling of farm and rural structural change - Tyler Freeman (University of Saskatchewan), James Nolan (University of Saskatchewan) and Richard Schoney (University of Saskatchewan).

The Integration of Rurality, Space, Migration, and Income in the U.S. - Derek Brewin (University of Manitoba), Martin Shields, and Stephan Goetz, (Pennsylvania State University).

Community Employment and Income Impacts from Hog Production: Macdonald Municipality a Case Study - Scott Pellow (Agriculture and Agri-Food Canada) and J. MacMillan (University of Manitoba).

McNab **8:30 – 10:00 am** **Tuesday June 22, 2004**
SELECTED PAPER SESSION (16) Research & Development
Moderator: Dan Lass

Diffusion Of Research Benefits Within The Agricultural Biotech Industry Under Underpriced Basic Research Output - Richard Gray (University of Saskatchewan) and Stavroula Malla (University of Lethbridge).

Market Structure, R&D and Advertising in the Greek Dairy Industry - Lampros I. Lamprinakos (University of Saskatchewan) and Murray Fulton (University of Saskatchewan).

Social Benefits and Economic Impacts of Cooperative Research to New England Fishing Communities - Joshua Wiersma, Douglas E. Morris, and Robert A. Robertson, all University of New Hampshire.

Public And Private Spillovers In Agricultural Research - Stavroula Malla (University of Lethbridge), Kien Tran (University of Saskatchewan) and Richard Gray (University of Saskatchewan).

MayFlower **8:30 – 10:00 am** **Tuesday June 22, 2004**
SELECTED PAPER SESSION (17) Issues in Conservation
Moderator: Chris Anderson

An Analysis of Criteria Preferences in Prioritizing Areas for Conservation - Michael P. Strager, West Virginia University, and Randall S. Rosenberger, Oregon State University.

A Multilevel Model of Open Space Conservation Using Satellite Imagery - Richard Iovanna and Colin Vance, US EPA.

Farm-Level Factors Influencing Conservation Practice Adoption and Conservation Program Participation in the United States - Carmen Sandretto, Ashok K. Mishra, and Glenn D. Schaible, all ERS/USDA.

Convergent Validity of Conjoint Estimates of Values for Farmland Conservation Easements - Semra Ozdemir, Kevin J. Boyle, and Anna A. Alberini.

MacKay **8:30 – 10:00 am** **Tuesday June 22, 2004**
SELECTED PAPER SESSION (18) Economics of Meat Demand
Moderator: Jean-Philippe Gervais

Estimating the Demand for Meat in Canada Using the Quadratic AIDS Model - Michael Habteyonas (University of Alberta).

Mercury Warnings and the Consumption of Fish - Jay P. Shimshack, Tufts University, Michael B. Ward, University of California, and Timothy K. M. Beatty, University of British Columbia.

Regional Differences in Fish and Meat Demand Across Canada - Rémy Lambert (Laval University), Bruno Larue (Laval University), C. Yélou (Laval University) and George Criner (Laval University).

Estimating the demand for disaggregated chicken products and parts in Canada: an application of scanner data - Chris Panter (University of Alberta) and Ellen Goddard (University of Alberta).

Refreshment Break Bluenose Ballroom **10:00-10:30** **Tuesday June 22, 2004**

Breakout Session 5

Baronets 2,3

10:30 – 12:00 pm

Tuesday June 22, 2004

INVITED SESSION 2:

EXPERIMENTAL ECONOMICS: MOVING FORWARD WITH APPLICATIONS TO ENVIRONMENTAL AND RESOURCE ISSUES.

This session highlights the research of two of the Northeast's young faculty, Jim Murphy and Chris Anderson. Professors Anderson and Murphy will discuss why economists run experiments, and present examples of problems in environmental and natural resource economics which have been or could be addressed experimentally. They will demonstrate the technique with an experiment in which ***punctual audience members will have a chance to earn \$100.***

Hypothetical Bias and Contingent Valuation: What's Going on Here? - Dr. James Murphy, Department of Resource Economics, University of Massachusetts.

The presence of hypothetical bias in contingent valuation is well documented, and some calibration techniques have been successful at reducing or removing this bias. However, the underlying causes of hypothetical bias are not well understood. Recent efforts to use laboratory experiments to test hypotheses about potential sources of this bias will be presented. (with co-authors Tom Stevens and Michael Ash).

Using Laboratory Experiments to Assess Tradable Fishing Allowances Policies - Dr. Chris Anderson, Department of Environmental and Resource Economics, University of Rhode Island.

Professor Anderson will discuss a series of experiments intended to improve the performance of tradable fishing allowances markets. The set of trading rules most commonly used leads to persistent, large, disequilibrium price fluctuations, but a simple modification of the institution leads to equilibrium prices and efficient market outcomes. .

Baronets 1

10:30 – 12:00 pm

Tuesday June 22, 2004

PRINCIPAL PAPER SESSION (3) WHAT'S HAPPENING IN THE CO-OPERATIVE SECTOR?

Session Organizer: Ellen Goddard, University of Alberta

Rationale:

Despite significant structural change over the past twenty years the co-operative sector remains a significant component of the North American economy. However, sectors of agri-business that were previously dominated by co-operatives are seeing the co-operative market share change significantly. In Canadian dairy processing, co-operative ownership used to represent more than 60%, the sale of Dairyworld saw that share drop to below 50%. The trend is even more pronounced in Canadian grain handling. On the other hand, the supply co-operatives seem to be growing and in most cases, prospering. The papers in this session relate to various aspects of co-operatives in North America, from management issues to historical overviews of what has actually happened to specific co-operatives.

Chair: Brian Oleson, University of Manitoba

Papers:

Impact of Decision Makers Divergences in Risk Attitudes and Perceptions on Co-operative Management in Canada - Getu Hailu, Ellen Goddard, Scott Jeffrey (University of Alberta)

The "People" Factor in Cooperatives: Do Members' (Negative) Attitude Affect Their Participation? - Sanjib Bhuyan, (Rutgers University)

The Rise and Fall of Saskatchewan Wheat Pool - Murray, Fulton and Brett Fairbairn (University of Saskatchewan)

Limited Cooperative Strategies - Bruce Anderson (Cornell University Co-operative Enterprise Program)
Alternative Cooperative Structure for the Bio-Foods Sector: an Exploratory Study - Maurice Doyon (Université Laval)

MacDonald **10:30 – 12:00 pm** **Tuesday June 22, 2004**
SELECTED PAPER SESSION (19) Issues in Trade
Moderator: Natalie Lavioe

International Trade and Biological Invasions: A Queuing Theoretic Analysis of the Prevention Problem - Amit Batabyal, Rochester Institute of Technology.

Optimal Tariff-Rate Quotas - Bruno Larue (Laval University) and Jean-Philippe Gervais (Laval University).

An Empirical Analysis of the Determinants of Social Issues in International Trade Negotiations - Edmund M. Tavernier and Calum G. Turvey, both Rutgers University.

Are Export Credit Guaranties an Alternative Form of Export Subsidies? - Paul Reinstra-Munnicha, University of Guelph, and Calum G. Turvey, Rutgers University.

McNab **10:30 – 12:00 pm** **Tuesday June 22, 2004**
SELECTED PAPER SESSION (20) Economic Analysis of Manure Issues I
Moderator: Kathy Baylis

Environmental Cooperative Structures: The Case of Manure Disposal in Alberta - Kang-Weon Nam (University of Alberta), Ellen Goddard (University of Alberta) and Peter Boxall (University of Alberta).

Creating Markets for Manure: Basin-wide Management in the Chesapeake Bay Region - Doug Parker, University of Maryland.

Implications of Riparian Buffer Provisions on the Cost of Land Applying Manure in the Chesapeake Bay Watershed - Marcel Aillery, ERS/USDA.

MayFlower **10:30 – 12:00 pm** **Tuesday June 22, 2004**
SELECTED PAPER SESSION (21) Land Economics
Moderator: Stephen Swallow

The Impact of Oil and Natural Gas Facilities on Rural Residential Property Values: A Spatial Hedonic Analysis - Boxall (University of Alberta), W.H. Chan (Wilfrid Laurier University), and M.L. McMillan (University of Alberta).

Agricultural Land Price Determination in a Growing West Virginia County: the Effects of Suburban Encroachment - lie B. Svetlik, Michael P. Strager, and Timothy T. Phipps, West Virginia University.

Land Prices in the Red River Valley—A Canada/US Comparison - Jared G. Carlberg (University of Manitoba).

Empress Boardroom **12:00 – 1:30pm** **Tuesday June 22, 2004**
CAES Research Luncheon

Breakout Session 6

Baronets 2,3

1:30 – 3:00 pm

Tuesday June 21, 2004

ORGANIZED SYMPOSIA

Exchange Rates, U.S. Agricultural Exports and Developing Countries - Organizer: Christine Bolling; Discussants: Mathew Shane (The Dollar and U.S. Agricultural Exports), J. Michael Harris (The U.S. Food Industry, Where Does It Fit In?), and Anwarul Hoque (Where is the Competition between the U.S. and Developing Countries?), Christine Bolling (Concluding Remarks), all ERS/USDA.

Baronets 1

1:30– 3:00 pm

Tuesday June 22, 2004

SELECTED PAPER SESSION (22) Product Quality and Variety

Moderator: Julie Caswell

When is Fruit Bundling Fruitless? Sorting, Bundling, and Disposal when Quality Information is Asymmetric - Peyton Ferrier, North Carolina State University, and Russell Lamb, North Carolina State University.

Variety Seeking and Habit Formation in Consumer Purchases of Salted Snacks - Eliza M. Mojduszka and Kristen Fantuzzi, Rutgers University.

An Economic Analysis Of Product Quality Within The Canadian Cheese Industry - Lia Nogueira (University of British Columbia), Kathy Baylis (University of British Columbia), and James Vercaemmen (University of British Columbia).

Market Effects of Product Variety in the Frozen Meals Category - Eliza M. Mojduszka, Rachel M. Everett, and Kristen Fantuzzi, Rutgers University.

MacDonald

1.30 – 3:00 pm

Tuesday June 22, 2004

SELECTED PAPER SESSION (23) Climate Change

Moderator: Josh Duke

Socially Optimal Strategies for Ecological Restoration under Climate Change - Koel Ghosh, James S. Shortle, and Carl Hershner, all Pennsylvania State University.

Price and Income Elasticities of Climate Change - J. Stephen Clark (Nova Scotia Agricultural College), G. C. Van Kooten (University of Victoria), J. William Levedahl (United States Department of Agriculture) and Emmanuel K. Yiridoe (Nova Scotia Agricultural College).

Designing Wetland Conservation under Climate Change - Jiayi Li, Elizabeth Marshall, James Shortle, and Carl Hershner, all Pennsylvania State University.

McNab

1:30 – 3:00 pm

Tuesday June 22, 2004

SELECTED PAPER SESSION (24) Economic Analysis of Manure Issues II

Moderator: Doug Morris

Costs and Opportunities for On-Farm Composted Dairy Manure - James D. Leiby, Anne M. Grant, and Justin K. Jamison, all University of Maine.

Adjusting Livestock Production Practices to Comply with Evolving Environmental Standards Associated with Urbanization - Udith K. Jayasinghe-Mudalige (University of Guelph) and Alfons Weersink (University of Guelph).

Measuring the Impacts of Manure Management Regulations and Urbanization on the Competitiveness of Dairy Farms in the Midwest and Northeast - Lee Christensen, Richard Nehring, Eric O'Donoghue, and Carmen Sandretto, ERS/USDA.

MayFlower **1:30 – 3:00 pm** **Tuesday June 22, 2004**
SELECTED PAPER SESSION (25) Production II
Moderator: Dan Lass

The Problem of Water Availability at Mexico's Northern Border: An Analysis of the Crop Supply Response in the Rio Bravo/Rio Grande Basin - Gustavo A. Mendoza (University of Alberta).

Quantifying the Benefits of Sustainable Agriculture in the Tropics: Household Welfare, Diversification, and Returns from Production - Bryan M. Shone and Jill L. Caviglia-Harris, both Salisbury University.

Economic Analysis of the Impact of Alternative Rice Cropping Practices on Subsistent Farming: A Farm Level Analysis in Northern Ghana - Emmanuel K. Yiridoe (Nova Scotia Agricultural College), Augustine S. Langyintuo (CIMMYT-Zimbabwe) and Wilson Dogbe (Savanna Agricultural Research Institute, Ghana).

MacKay **1:30 – 3:00 pm** **Tuesday June 22, 2004**
SELECTED PAPER SESSION (26) Issues in Marketing
Moderator: Bill Kerr

Branded Beef Strategies: A Transaction Cost Analysis - Andrea Brocklebank (University of Saskatchewan) and Jill E. Hobbs (University of Saskatchewan).

The Market Value of Counter-Cyclical Payments: Corn in the Northeast - David Skully and Gerald Plato, ERS/USDA.

Modeling U.S. Soy-Based Markets with Directed Acyclic Graphs and Time Series Econometrics: An Evaluation of the Impacts of High Soy Meal Prices - Ronald A. Babula (US International Trade Commission), David A. Bessler (Texas A&M University), John Reeder (US International Trade) and Agapi Somwaru (US Department of Agriculture).

Asymmetric Price Relationships in the U.S. Beef, Pork, and Broiler Industries - Ryan T. Sirolli, John C. Bernard, and Titus Awokuse, all University of Delaware.

Baronets 6 **10:30 – 12:00 pm** **Wednesday June 23, 2004**
SELECTED PAPER SESSION (27) Corruption, Taxes and Policy
Moderator: Murray Fulton

Corruption, Bribery, and Wait Times in the Public Allocation of Goods in Developing Countries - Amit Batabyal, Rochester Institute of Technology.

Corrupt Tax Enforcers and the Unofficial Economy in Transition Countries - Monika Çule (University of Saskatchewan) and Murray Fulton (University of Saskatchewan).

Government Tax Policy on Fertilizer Runoff in the Presence of Actuarially Fair and Unfair Insurance - Mario Anda (University of British Columbia), Sumeet Gulati (University of British Columbia) and James Vercauteren (University of British Columbia).

Refreshment Break Bluenose Ballroom **3:00-3:30** **Tuesday June 22, 2004**

Breakout Session 7

Baronets 2,3

3:30 – 5:00 pm

Tuesday June 22, 2004

PRINCIPAL PAPER SESSION (4) THE ECONOMICS OF THE CANADIAN AGRICULTURAL INCOME SUPPORT PROGRAM

Session Organizer: Al Mussell, George Morris Centre

Rationale:

The Canadian Agricultural Income Support (CAIS) program, implemented under the Business Risk Management pillar of the federal-provincial Agricultural Policy Framework (APF), represents a major shift in Canadian farm safety net policy. Under CAIS, the two leading safety net programs (NISA and CFIP) and provincial companion programs are collapsed into a single program. The measure of farm income that is used to trigger support is changed from gross margin to “production margin”, calculated on an accrual basis rather than on a cash basis. Producers must make a deposit into a safety net account under CAIS, however the deposit is fundamentally different than that under NISA. Unlike NISA, the same measure of income is used to establish both the level of producer deposits and trigger withdrawals. Finally, at a fundamental level, a farmer must experience an income loss to trigger government support under CAIS, unlike NISA. Thus, there are material differences between the new CAIS program and its predecessors. However, little is known about the incentives, effectiveness, or effects that will result from CAIS. The purpose of this session is to present economic analyses and to stimulate discussion on the impact of the CAIS program. The presentations will provide applied analyses related to the effectiveness of CAIS in stabilizing farm incomes, the implications of CAIS on crop insurance enrolment, and the optimal deposits under CAIS.

Chair: Michele Veeman, University of Alberta

Papers:

Measuring Impact of CAIS on Stability of Farm Incomes: The Case of Ontario Farms -

Al Mussell and Larry Martin, (George Morris Centre)

Crop Insurance and CAIS - Hartley Furtan and Ken Rosaasen (University of Saskatchewan)

Optimal Producer Deposits Under the CAIS Program - Terri-Lyn Moore (George Morris Centre), Al Mussell (George Morris Centre) and John Cranfield (University of Guelph)

Discussants:

Rick Barichello, University of British Columbia

Jack Gellner, Agriculture and Agri-food Canada (retired)

Baronets 1

3:30 – 5:00 pm

Tuesday June 22, 2004

SELECTED PAPER SESSION (28) Technology and Technical Change

Moderator: Cheryl Brown

Technological Change And Returns To Scale In The Sawmilling Industry Of The Lake States - James R.G. McQueen (University of Alberta).

Focus Groups for Information Technology Planning - Jerald J. Fletcher, West Virginia University.

Environment, Technology, and Democracy: Quebec Farmers and GM Crops - Michiko Aramaki (McGill University).

MacDonald 3:30 – 5:00 pm Tuesday June 22, 2004
SELECTED PAPER SESSION (29) Demand Analysis, Health and Nutrition
Moderator: John Cranfield

Diet, Fat and Health – Consumer Attitudes and Acceptance of Milk and Milk Products Enriched with a Beneficial Fatty Acid - Yanning Peng (Alberta Agriculture), Cindy Wang (Alberta Agriculture) and Gale West (Laval University).

Race, Health Awareness, and Food Consumption: An Analysis of Food-Away-From-Home Behavior by Minorities - Calvert Pert and Sanjib Bhuyan, both Rutgers University.

Incorporating Micro-level Data in Demand System Estimation- John Cranfield (University of Guelph).

McNab 3:30 – 5:00 pm Tuesday June 22, 2004
SELECTED PAPER SESSION (30) Forestry Economics
Moderator: Jim Shortle

Recreation Access Value on Alaska's National Forests: Weighting for the Correct Surplus? - J. M. Bowker, Don English, Stan Zarnoch, Pat Reed, USDA/ Forest Service, and Jay Harvard, US EPA.

Assessing Recreation Values at Risk from Wildfire: A method for prioritizing fire events - Anish Neupane (University of Alberta), Peter Boxall (University of Alberta) and Rick Pelletier (University of Alberta).

Integrating Spatial Analysis in Evaluating the Benefits and Costs of Possible Street Trees in Morgantown, West Virginia - Vishakha Maskey and Tim Phipps, West Virginia University.

Economic Analysis of Adverse Health Effects from Forest Fires - Robyn Rittmaster (University of Alberta) and Vic Adamowicz (University of Alberta).

MayFlower 3:30 – 5:00 pm Tuesday June 22, 2004
SELECTED PAPER SESSION (31) Agribusiness, Policy Analysis & Supply Chains
Moderator: Maury Bredahl

Participation of Agribusiness Firms in the Political Process: Seeking Rent and Quid Pro Quo! -Sanjib Bhuyan and Alberto Rodriguez, both Rutgers University.

Experimental economics for policy analysis: the case of the Quebec dairy quota exchange - Maurice Doyon (Laval University) and Virginie Simard (Laval University).

Exploring Governance Structures in the Organic Wheat Supply Chain - Shon Ferguson (University of Saskatchewan), Jill Hobbs (University of Saskatchewan), Gary Storey (University of Saskatchewan) and Simon Weseen (University of Saskatchewan).

The Economics of Implementing Traceability in Beef Supply Chains: Trends in Major Producing and Trading Countries - Diogo Souza-Monteiro and Julie A. Caswell, both University of Massachusetts.

MacKay 3:30 – 5:00 pm Tuesday June 22, 2004
SELECTED PAPER SESSION (32) Issues in Water & Irrigation
Moderator: Robert Johnson

Water allocation alternatives for the South Saskatchewan River Basin: Optimization modelling for improved policy choices - Marius I. Cutlac (University of Calgary) and Theodore M. Horbulyk (University of Calgary).

Water Market Activity in the St. Mary's Irrigation District in Alberta: Results from a Survey of Farmers - Lorraine A. Nicol (University of Lethbridge) and K. K. Klein (University of Lethbridge).

Baronetts 4,5

3:30 – 5:00 pm

Tuesday June 22, 2004

SELECTED PAPER SESSION (33)

Exchange Rates and Trade

Moderator: Emilio Pagoulatos

Investigating Non-Linearities in the Relationship Between Real Exchange Rate Volatility and Pork Exports - Jean-Philippe Gervais (Laval University), Bruno Larue (Laval University) and Olivier Bonroy (Laval University).

Pricing-to-Market using Disaggregated Data: Evidence From Canadian Wheat Exports - Nathalie Lavoie (University of Massachusetts) and Sirisha Naidu (University of Massachusetts).

Jointness in Production and Pricing-to-Market - Bruno Larue (Laval University), Yannick Rancourt (Laval University) and Jean-Philippe Gervais (Laval University).

Effects Of Changes In Exchange Rate And Exchange Rate Variability On Trade In Fresh Beef Between Canada And The United States - Rakhal Sarker (University of Guelph) and Oscar Menjivar (University of Guelph).

Bluenose Ballroom

6:00 – 11:00 pm

Tuesday June 22, 2004

CAES Banquet

WEDNESDAY JUNE 23

Complete Wednesday Workshop Program Follows on Page 17

Breakout Session 8

Baronete 1

8:30 – 10:00 am

Wednesday June 23, 2004

PRINCIPAL PAPER SESSION (5) WHAT'S GOING ON IN CONSUMER BEHAVIOUR?

Session Organizer: Ellen Goddard, University of Alberta

Rationale:

Consumer behaviour remains an evolving and fascinating area of research. In this session the papers presented cover some of the many methods being investigated to improve the quality of consumer analysis. Government attempts to deal with the social costs of poor nutrition and to deal with consumer understanding of new technologies can be enhanced through enriched understanding of what triggers consumer response. Areas in which both the policy process and the economic theory can be improved will be highlighted.

Chair: Jill Hobbs, University of Saskatchewan

Papers:

Individual-level Approaches to Demand Analysis: Innovations and Challenges -

Wuyang. Hu, W.L. Adamowicz and Michele Veeman (University of Alberta)

The Unit Value Problem: Endogeneity of Prices in Cross-Sectional

Demand Studies - Tim Beatty (University of British Columbia) and Bruno Larue, (Université Laval)

Integrating Food Policy and Consumer Health Behaviour: A Review and Analysis - Ellen W. Goddard, Sean B. Cash, and Mel L. Lerohl, (University of Alberta)

Beyond the Almost Ideal Demand System: A Comparison of New and Alternative Demand Systems when Modelling Demand for Food - John Cranfield, (University of Guelph)

MacDonald

8:30 – 10:00 am

Wednesday June 23, 2004

SELECTED PAPER SESSION (34) Risk

Moderator: Cal Turvey

Risk Efficiency of Alternate Canola Management Decisions - Bharat Mani Upadhyay (Agriculture and Agri-Food Canada), Elwin G. Smith (Agriculture and Agri-Food Canada), George Clayton (Agriculture and Agri-Food Canada) and Neil Harker (Agriculture and Agri-Food Canada).

Price Risk Management In Alberta Pork Production: Current Practices, Obstacles And Improvement Strategies - Brad Dowell (Olds College) and John Cranfield (University of Guelph).

Obsolescence of Utility Patents and R&D Risk in the Consolidated US Seed Market - Soyoko Umeno and Jay P. Kesan, both University of Illinois.

MacNab

8:30 – 10:00 am

Tuesday June 22, 2004

SELECTED PAPER SESSION (35) Mad Cow Disease: Issues and Implications

Moderator: Mike Trant

Mad cow disease and farm family income in Canada - Verna Mitura (Statistics Canada) and Lina Di Piéto (Statistics Canada).

Sanity Prevailing in Mad Cow Case - Brian J. Schilling, William K. Hallman, and Calum G. Turvey, all Rutgers University

The Evaluating the Cross-Commodity Impacts of Feed Ingredient Bans - Al Mussell (George Morris Centre) and Kees DeLange (University of Guelph).

Mayflower **8:30 – 10:00 am** **Wednesday June 23, 2004**
SELECTED PAPER SESSION (36) Food Safety
Moderator: Murray Fulton

Quantifying the Impact of Economic Incentives for Firms to Adopt Food Safety Controls: The Case of Red Meat and Poultry Processing Sectors in Canada - Udith K. Jayasinghe-Mudalige (University of Guelph) and Spencer Henson (University of Guelph).

Firm characteristics and Food Safety and Quality Assurance in the Canadian Food Processing Sector - Deepananda Herath (University of Guelph) and Zuhair Hassan (Agriculture and Agri-Food Canada).

Measuring the Relative Contribution of Individual Incentives on the Food Safety Responsive Behaviour of Firms in the Food Processing Sectors in Canada - Udith K. Jayasinghe-Mudalige (University of Guelph) and Spencer Henson (University of Guelph).

Refreshment Break - Bluenose Ballroom **10:00-10:30 am** **Wednesday, June 23, 2004**

Breakout Session 9

Baronete 1 **10:30 – 12:00 pm** **Wednesday June 23, 2004**
SELECTED PAPER SESSION (37) Issues in the Market for GMOs
Moderator: Deepananda Herath

Financial & Health Costs of Pesticide Use in Growing Conventional and Genetic Modification of Potatoes in Prince Edward Island - Elspeth White (University of Alberta), Michele Veeman (University of Alberta) and Vic Adamowicz (University of Alberta).

Cost of the EU Opposition To Genetically Modified Wheat In Term of Global Food Security - Faycal Haggui (University of Saskatchewan) and Richard Gray (University of Saskatchewan).

Quebec Farmers and GM Technologies - Gale E. West (Laval University), Bruno Larue (Laval University) and Véronique Maltais (Laval University).

Transgenic maize in Mexico ecological economic and related concerns - Dinah Rodriguez (University of Alberta).

Baronete 1 **10:30 – 12:00 pm** **Wednesday June 23, 2004** **SELECTED**
PAPER SESSION (38) Efficiency and Its Measurement
Moderator: John Cranfield

Technical Efficiency of Vietnamese Rice Farms under Economic Reforms - Anh Thuy Tu, Wallace E. Huffman, and Adam Z. Chen, all Iowa State University.

Shrimp Output Growth through Efficiency Improvement in Bangladesh using the Stochastic Frontier and DEA approach - Shyamol Kumar Biswas (Centre for Economic Research, Bangladesh) and Md Abdul Wadud (Rajshahi University).

Multi-functionality and Fluid Milk Market Channel Pricing Efficiency: Convergent Rationales for Policies to Increase Dairy Farm Share of Consumer Milk Expenditure in New England - Maurice Doyon, Laval University, and Ronald W. Cotterill and George Criner, both University of Connecticut

Mayflower

10:30 – 12:00 pm

Wednesday June 23, 2004

SELECTED PAPER SESSION (39) Organic and Functional Foods

Moderator: Jill Hobbs

Organic Food Marketing: The Effect of Message Framing, Trust, and Prior Knowledge - Katie Gifford (University of Delaware)

Functional Foods: definition and market trends for the Canadian biofood sector -Maurice Doyon, Johanne Labrecque and Marc A. Tomiuk (Laval University).

Consumer Willingness to Pay for rBST-Free and Organic Milk: A Multinomial Logit Approach Using Scanner Data - Daria J. Bernard and Alan D. Mathios (Cornell University).

International Harmonization of Organic Food Standards: Do Consumers Care? - Erin N. Sawyer and William A. Kerr (University of Saskatchewan).

NAREA/CAES Workshop on International Trade and the Environment
Halifax, Nova Scotia, June 23, 2004
Baronets 4,5,6

- 8:00 – 9:00 AM *Continental Breakfast*
- 9:00 – 9:10 AM *Welcome and Introduction*
- 9:10 – 10:00 AM *Invited Speaker:* Brian Copeland (University of British Columbia), Title TBA
- 10:00 AM – Noon **Agricultural Trade and the Environment**
Robert Johansson, Joseph Cooper, and Utpal Vasavada (USDA/Economic Research Service), “Harmonizing Agricultural Trade and Environmental Policies”

Hung Hao Chang (Cornell University), Richard N. Boisvert (Cornell University), and David Blandford (Penn State University), “Achieving Environmental Objectives Under Reduced Domestic Agricultural Support and Trade Liberalization: An Empirical Application to Taiwan”

Caroline Saunders and Anita Wreford (Lincoln University, New Zealand), “Agricultural Trade Liberalization and Greenhouse Gas Emissions: Modeling the Linkages using a Partial Equilibrium Trade Model”

Lori Lynch (University of Maryland) and David Zilberman (University of California-Berkeley), “Effect of a Differentially Applied Environmental Regulation on Trade Patterns and Pollution Abatement”
- Noon – 1:10 PM *Lunch and Invited Speaker:* David Brooks (Office of the U.S. Trade Representative), Title TBA
- 1:10 – 1:30 PM *Break*
- 1:30 – 2:30 PM **International Trade and Invasive Species**
Linda Fernandez (University of California-Riverside), “NAFTA and Member Country Strategies for Maritime Trade and Marine Invasive Species”

Richard Horan and Frank Lupi (Michigan State University), “Economic Incentives for Controlling Trade-Related Biological Invasions in the Great Lakes”
- 2:30 – 3:30 PM **International Trade, Pollution, and the Pollution Haven Hypothesis**
Jared Creason (US EPA), Michael Fisher (Abt Associates), Svetlana Semenova (Abt Associates), and Susan Stone (US EPA), “The Environmental Impacts of Trade Liberalization: A Quantitative Analysis for the US Using TEAM”

Smita Brunnermeier (Princeton University) and Arik Levinson (Georgetown University), “An Empirical Investigation of the Pollution Haven Hypothesis”
- 3:30 – 4:00 PM *Break*
- 4:00 – 5:00 PM **International Trade and Resource Use**
Amit Batabyal (Rochester Institute of Technology), “A Game Theoretic Analysis of Tariffs, Dynamic Inconsistency, Resource Conservation, and Trade”

James Turner, Joseph Buongiorno, and Shushuai Zhu (University of Wisconsin-Madison), “Effects of The Free Trade Area of The Americas on Forest Resources: A Global Modeling Approach”