2005 WEAI—CAES—WAEA Joint Annual Meeting

Program

The 2005 CAES Annual Meeting will be held in San Francisco, California, in conjunction with the Western Agricultural Economics Association (WAEA), and as part of the 80th annual Western Economics Association International (WEAI) meetings on July 6 (Wednesday) - July 8th (Friday), 2005.

Location: San Francisco, CA
Dates: July 6-8, 2005
Venue: San Francisco Marriott
Invited Group 1

Emerging Water Policy Issues: Examples From Around the World
Emerging Water Policy Trends: An International Perspective
David Zilberman, University of California, Berkeley

Recent and Emerging Water Policy Reforms in Australia
Henning Bjornlund, University of Lethbridge and University of South Australia

The water for life strategy in Alberta Canada – Changing priorities in Canadian water policy?
Kurt Klein, University of Lethbridge
Lorraine Nicol, University of Lethbridge

Groundwater Use and Water Quality: Comparisons of California and China
Richard Howitt, University of California, Davis
Siwa Msangi, University of California, Davis

Selected Group 1

The Impact of Bovine Spongiform Encephalopathy
Demand Response to Bovine Spongiform Encephalopathy Discovery in Canada
Jun Yang, University of Alberta
Yu Li, University of Alberta

Implications of BSE on Public Authority and Private Quality Assurance Schemes: A European Perspective
Bodo Steiner, University of Alberta

Of Common Markets and Closed Borders: The Economic Integration of the U.S. – Canada Agriculture Sectors
W.H. Furtan, University of Saskatchewan
M.R. Olfert University of Saskatchewan

Change in Canadian Farm Family Income Distribution (2001 to 2003): BSE Hits Market
Sheila Young, Statistics Canada
Martin S. Beaulieu, Statistics Canada

Selected Group 2

Land Use Research

Net Buyers, Net Sellers, and Agricultural Landowner Support for Agricultural Zoning
B. James Deaton, University of Guelph
John P. Hoehn, Michigan State University
Patricia E. Norris, Michigan State University

The Impact Oil and Gas Activities and Land Use management in Northern Alberta
Michael Habteyonas, University of Alberta
Vic Adamowicz, University of Alberta

An Economic Valuation of the Lost Use of Surrendered Indian Reserve Lands of Saskatchewan, Canada
R. A. Schoney, University of Saskatchewan
Economic Impact of Land Use Policies and Rotations on Prince Edward Island Potato Farms
John Baptist D. Jatoe, University of Guelph
Emmanuel K. Yiridoe, Nova Scotia Agricultural College
Alfons Weersink, University of Guelph
J. Stephen Clark, Nova Scotia Agricultural College

Selected Group 3
Farm Level Modeling
On-Farm Economics of Drainage and Conversion of Wetlands to Agricultural Production in Western Canada
Brett Cortus, University of Alberta
Scott Jeffrey, University of Alberta
Jim Unterschultz, University of Alberta
Peter C. Boxall, University of Alberta

Quota for maple syrup in Quebec and the CAIS program: A SMART combination?
Maurice Doyon, Laval University

Economic Analysis of Alternative Steers and Sheep Grazing and Management Systems
Emmanuel K. Yiridoe, Nova Scotia Agricultural College
Bettina Brown, Nova Scotia Agricultural College
Ralph C. Martin, Nova Scotia Agricultural College
Nancy McLean, Nova Scotia Agricultural College
Session 2, July 6th, 4:30pm.

Invited Group 2
BSE – The Nightmare That Just Won’t Quit
Intended and Unintended Consequences Of Canadian Cattle Policies
Kurt Klein, University of Lethbridge
Danny G. LeRoy, University of Lethbridge

International Standards for Regulating Trade When BSE Is Present - Why Are They Ignored?
W. A. Kerr, University of Saskatchewan
Laura J. Loppacher, University of Saskatchewan
Jill E. Hobbs, University of Saskatchewan

Processing Capacity and Price Impacts With a Closed Border
James I. Rude, University of Manitoba
Jared Carlberg, University of Manitoba

The Economics of a Cow Cull Program as a BSE Mitigation Measure
R. Allan Mussell, George Morris Centre

Selected Group 4
Greenhouse Gas and Related Research
The Economic Impact of Non-Compliance in the Carbon Offset Market
Daniela Mihal, University of Saskatchewan
Murray Fulton, University of Saskatchewan

The Value of Information in Climate Change Policy
Kathy Baylis, University of British Columbia
James Vercammen, University of British Columbia

Fuzzy Logic and Preference Uncertainty in Non-market Valuation
Lili Sun, University of Victoria
G. Cornelis van Kooten, University of Victoria

Forestry Policy as a Tool for Achieving Economic and Carbon Objectives: A Two-Stage Constrained Optimization Model
Miriam Bixby, University of British Columbia
Kathy Baylis, University of British Columbia

Selected Group 5
Demand Theory
Testing Separability of Food Demand across the Development Spectrum: Application of a Levels Version of Barten’s General Model
J. A. L. Cranfield, University of Guelph

Danielle E. Rabkin, University of British Columbia
Timothy K.M. Beatty, University of British Columbia
Zero Expenditures and Engel Curve Estimation: An Alternative Approach Using Quantile Regression
Timothy K.M. Beatty, University of British Columbia

Consumers’ Voluntary Information Acquisition and Preference for GM Food: A Simultaneous Choice Analysis
Wuyang Hu, University of Alberta
Vic Adamowicz, University of Alberta
Michele Veeman, University of Alberta

Selected Group 6
Sharing a Border
Determining Poultry Indemnity Values: Examples and Lessons Learned from Poultry Disease Outbreaks in Canada and the United States
Stephen L. Ott, USDA
Kirsti Bergmeier, Agriculture and Agri-food Canada

Border Effects: Recognizing the Role of FDI
Pascal L. Ghazalian, University of Saskatchewan
W. Hartley Furtan, University of Saskatchewan

Regional Trade Agreements and Trade in Agri-food Products: Evidence from Gravity Modeling Using Disaggregated Data for the European Union
Rakhal Sarker, University of Guelph
Sampath Jayasinghe, Iowa State University

Assessing the Effects of NAFTA on Canada/US Agricultural Trade
Hugh Deng, Agriculture and Agri-Food Canada
Jonathan Nzuma, University of Guelph
Session 3, July 7th, 8:15 am.

Invited Group 3
The Economics of Pooling as an Agricultural Marketing Institution
Pooling in Canadian Agricultural Marketing: Logic, Evolution, and Performance
Kate Stiefelmeyer, George Morris Centre
R. Allan Mussell, George Morris Centre

Jill Hobbs, University of Saskatchewan

Pooling as a Agricultural Marketing Mechanism: a Principal-Agent Approach
J. A. L. Cranfield, University of Guelph
R. Allan Mussell, George Morris Centre

Discussants
James Vercammen, University of British Columbia
Maurice Doyon, Laval University

Selected Group 7
Water Management Research
Increasing the Productivity of Agricultural Water Use in the South Saskatchewan River Basin: A Seasonal Analysis for Major Irrigation Districts
Lixia He, University of Calgary
Theodore M. Horbulyk, University of Calgary

Integrated Modeling for River Basin Management: The Influence of Temporal and Spatial Scale in Economic Models of Water Allocation
Theodore M. Horbulyk, University of Calgary

The Economics of Water Use in the Bow River Irrigation District of Southern Alberta
Lawrence N.A. Arbenser, University of Lethbridge
Danny G. Le Roy, University of Lethbridge
Ken Perlich, University of Lethbridge
Kurt Klein, University of Lethbridge

Demand for Water Supply Improvements and Water Resources Conservation in Queretaro, Mexico
Gustavo A. Mendoza, University of Alberta
Sean B. Cash, University of Alberta
Vic Adamowicz, University of Alberta

Selected Group 8
Demand Papers
Demand Analysis for Fruit and Vegetables in Canada
Wenzhao Huang, University of Alberta
Ellen Goddard, University of Alberta
Michele Veeman, University of Alberta
Demand for Fruits and Vegetables: The Gap Between Actual Consumption and the Canadian Food Guide Recommendations.
John Gabriel, University of Alberta
Michele Veeman, University of Alberta

Demand for Indigenous Livestock Products in Sri Lanka
Senerath Dharmasena, Texas A&M University
Jeevika Weerahewa, University of Guelph
Pradeepa Silva, University of Peradeniya

Natural Health Products: Regulations and International Trade
T.J. Rudge, University of Saskatchewan
W.A. Kerr, University of Saskatchewan

Selected Group 9
Regional/Growth Economics
Off-Farm Labour Decisions of Farm Operators in Canada: An Investigation of Patterns in 2001
Alessandro Alasia, Agriculture Division - Statistics Canada
Alfons Weersik, University of Guelph
Ray D. Bollman, Agriculture Division - Statistics Canada
J. A. L. Cranfield, University of Guelph

Productivity Growth in Prairie Agriculture: The Impacts of Scale and Technical Change
Bryce Stewart, University of Alberta
Terrence S. Veeman, University of Alberta

The Effect of Wal-Mart on the Economic Growth of Nebraska Counties
Gibson Nene, University of Nebraska-Lincoln
Azzeddine Azzam, University of Nebraska-Lincoln
Amalia Yiannaka, University of Nebraska-Lincoln

Economic Development and Poverty Reduction in East Asia: The Impact of OECD Agricultural Policies
Richard R. Barichello, University of British Columbia
Session 4, July 7th, 10:15 am.

Invited Group 4
Microsimulation and Agent-Based Methods in Agricultural Economics
Agent-Based Land Use Models
Peter Deadman, University of Waterloo

Modeling Rural Land Markets Using the FEARLUS Agent-Based Model
Dawn Parker, George Mason University
Gary Polhill, George Mason University
Nick Gotts, George Mason University

Microsimulation In Farm Level Models
Cameron Short, Agriculture and Agri-Food Canada

Agent-Based Farm Level Modeling: Canadian Policy Issues
Richard Schoney, University of Saskatchewan
James Nolan, University of Saskatchewan

Selected Group 10
Innovation 1
Public IPRs and R&D Race within the Agricultural Biotech Industry
Richard Gray, University of Saskatchewan
Stavroula Malla, University of Lethbridge

On the Strategic Licensing of Product Innovations to a Competitor
Murray Fulton, University of Saskatchewan
Amalia Yiannaka, University of Nebraska-Lincoln

Evaluating Scientists’ and Public Preferences for Research Funding Allocations to Plant Molecular Farming
Shiyi Tao, University of Alberta
Michele Veeman, University of Alberta
Vic Adamowicz, University of Alberta
Wuyang Hu, University of Alberta

Innovation and the Value of Public Market Assessment Information
James Vercammen, University of British Columbia

Selected Group 11
Demand 2
Modeling Socio-demographic Profiles and Attitudes for Shoppers of Functional Eggs, Milk and Beverages
Yanning Peng, Alberta Agriculture, Food and Rural Development
Cindy Wang, Alberta Agriculture, Food and Rural Development

The Impact of Equivalency and Harmonization on Organic Food Markets
Shon Ferguson, University of Saskatchewan
Simon Weseen, University of Saskatchewan
Erin Sawyer, University of Saskatchewan
Consumers Attitudes, Willingness to Pay and Revealed Preference for Different Egg Production Attributes: A Case Study of the Canadian Egg Industry
John Paul Emunu, University of Alberta
Ellen Goddard, University of Alberta

Canadian Consumers’ Preferences for Food Safety and Agricultural Environmental Safety
Yu Li, University of Alberta
Michele Veeman, University of Alberta
Wuyang Hu, University of Alberta
Vic Adamowicz, University of Alberta

Selected Group 12
Recreational Modelling
The Development of Fire-Induced Damage Functions for Forest Recreation Activity
Michael Rausch, University of Alberta
Peter C. Boxall, University of Alberta

Modelling Complexity: Agent Based Simulation of Hunting in Forested Landscapes
S. Heckbert, University of Alberta
Vic Adamowicz, University of Alberta
Peter C. Boxall, University of Alberta
D. Ng, University of Alberta
D. Hanneman, University of Alberta

Capturing Temporal Substitution of Recreation Demand Using a Dynamic Kuhn-Tucker Model
Jing Zhang, University of Alberta
Vic Adamowicz, University of Alberta

Assessing the Feasibility of Recreational Enterprises with First Nations Cultural Attributes
Kinga Uto, University of Alberta
Vic Adamowicz, University of Alberta
Session 5, July 8th, 8:15 am.

Selected Group 13
Market Power and Game Theory
Why Could the Forward Vertical Integration Be Partial? The Case of a Dominant Firm
Olivier Bonroy, Laval University
Bruno Larue, Laval University

European and New World Wine Exports to Canada: Is there Evidence of Market Power?
Richard Carew, Agriculture and Agri-food Canada
W. J. Florkowski, University of Georgia
Senhui He, University of Georgia

Determining the existence of Canadian Beef-packer’s Oligopsonistic Market Power
Darryl Harrison, University of Manitoba
James Rude, University of Manitoba

Business as Usual: Tax Evasion in Transition Countries
Monika Çule, University of Regina
Murray Fulton, University of Saskatchewan

Selected Group 14
Risk Papers 1
Aggregation of Price Risk over Commodities: An Index Number Approach
Barry T. Coyle, University of Manitoba

General Penalty Functions and Their Applications in Crop Insurance
Yufei Jin, AGRICORP
Roderick M. Rejesus, Texas Tech University
Paul Rienstra-Munnicha, University of Guelph

Investment Decision Analysis of Western Canada Cattle Industry: A Real Options Approach
Yu Deng, University of Alberta
Jim Unterschultz, University of Alberta
Brian Radke, University of Alberta

An Analysis of the Structural Adjustment Mechanism under the Canadian Income Stabilization Program
Ken Nakagawa, University of Guelph
J.A.L. Cranfield, University of Guelph
Karl Meilke, University of Guelph
Ian Campbell, Agriculture and Agri-Food Canada

Selected Group 15
Innovation 2
Structures and Characteristics of Canadian Agricultural Innovative Biotechnology Firms
Daryl Van Moorsel, University of Guelph
J. A. L. Cranfield, University of Guelph
Dave Sparling, University of Guelph
Intellectual Property Rights and Innovation in Developing Countries
Andréeanne Léger, German Institute for Economic Research and Humboldt University

Trends in the Production of Bioproduct and Bioprocess Innovations in Canada’s Public Sector Agricultural Research Centres
Edmund K. Mupondwa, Agriculture and Agri-Food Canada

Selected Group 16
Environmental and Health Impact Assessment and Regulation
The Economic Value of Water Quality Improvements: Is there a Cancer Reduction Premium?
Vic Adamowicz, University of Alberta
Diane Dupont, Brock University
Alan Krupnick, Resources for the Future

Potential Health Care Cost Savings from a Novel Functional Food: Trans-Fat Free Nexera Canola
Stavroula Malla, University of Lethbridge
Orsolya Perger, University of Calgary
Jill E. Hobbs, University of Saskatchewan

Establishing Regulations to Govern the Planting and Growth of Genetically Modified Crops.
K. Belcher, University of Saskatchewan
J. Nolan, University of Saskatchewan
P. Phillips, University of Saskatchewan

International Liability and Trade in Genetically Modified Products
Karen Holtby, University of Saskatchewan
W.A. Kerr, University of Saskatchewan
**Session 6, July 8th, 10:15 am.**

**Selected Group 17**

**Supply Chains**

**Examining Potential Changes in Nutrition Recommendations and Implications for Agriculture**
Bradley J. Rickard, California Polytechnic State University
Jana Gonsalves, California Polytechnic State University

**Assessing the Costliness of Transacting in the Flax Fibre Supply Chain: A Comparative Framework Approach**
Siea M. Melitz, University of Saskatchewan
Jill E. Hobbs, University of Saskatchewan

**Food Safety, Vertical Integration and Economies of Scale in Broiler Production in Sri Lanka.**
Jeevika Weerahewa, University of Guelph
Sumali Dissanayake, University of Peradeniya

**Food Safety and Quality Assurance in the Canadian Food Processing Sector: Does the Quality of the Human Capital Matter?**
Deepananda Herath, University of Guelph
Zuhair Hassan, University of Guelph
Spencer Henson, University of Guelph

**Selected Group 18**

**Research on Co-operatives**

**Attitudes and Satisfaction towards Credit Unions in Alberta: A Scale and Regression Analysis.**
Ellen Goddard, University of Alberta
Henry A Dakurah, University of Alberta
Nicholas Osuteye, University of Alberta

**Cognition and Principal-Agent Theory As They Relate to the Failure of an Agricultural Co-operative: A Saskatchewan Wheat Pool Case Study**
Kathy Lang, University of Saskatchewan
Murray Fulton, University of Saskatchewan

**Measuring Efficiency in Dairy Marketing Co-operatives with Heterogeneous Technologies in Canada**
Getu Hailu, University of Alberta
Scott Jeffrey, University of Alberta
Ellen Goddard, University of Alberta

**Selling the Department**

**What's in a Name in Manitoba: A Survey of Student Perceptions for Names of Agriculture Faculties and Departments of Agricultural Economics**
Ryan Buchanan, University of Manitoba
Renee Kim, University of Manitoba
Milton Boyd, University of Manitoba
Selected Group 19

Trade and the Environment

Mitigation and Adaptation: The Implications for an International Greenhouse Gas Treaty
Katherine Baylis, University of British Columbia
Sumeet Gulati, University of British Columbia

The Effects of Trade Liberalization on the Environment: An Empirical Study
Geoff Mccarney, University Of Alberta
Vic Adamowicz, University Of Alberta

Free Trade and the Greening of Domestic Industry
Sumeet Gulati, University of British Columbia
Devesh Roy, International Food Policy Research Institute

Selected Group 20

Risk Papers 2

Extreme Weather Events and Crop Yield
Juan Cabas, University of Guelph
Alfons Weersink, University of Guelph

Dynamic Econometric Models of Wheat Yields at the Manitoba Regional Level
Qin Chen, University of Manitoba

Modeling crop yield distributions from small samples
Bharat Mani Upadhyay, Agriculture and Agri-Food Canada
Elwin G. Smith, Agriculture and Agri-Food Canada

Hedging Alberta Governments Resource Revenue: Is it a Viable Strategy?
Joffre Hotz, University of Alberta
Jim Unterschultz, University of Alberta
Session 7, July 8th, 12:30pm.

Selected Group 21

Trade Policy

The Impact of U.S. Country-Of-Origin Labeling Requirements on North American Beef Industry
Manxu Zhang, University of Guelph
J. A. L. Cranfield, University of Guelph

Indirect Effects of U.S. Country of Origin Labeling on the Canadian Chicken Industry
Kumuduni P. Kulasekera, University of Guelph
J. A. L. Cranfield, University of Guelph

Is Exchange Rate Pass-Through in Pork Export Prices Constrained by the Supply of Live Hogs?
Naceur Khraief, Laval University.
Jean-Philippe Gervais, Laval University

The Effects of Exchange Rate Changes and Its Variability on Trade of Fresh Pork between Canada and the United States
Rakhal Sarker, University of Guelph
Oscar Menjivar, University of Guelph

Selected Group 22

Environment Challenges at the Farm Level

Effect of Urbanization on the Adoption of Environmental Management Systems in Canadian Agriculture
Udith Jayasinghe-Mudalige, University of Guelph
Alfons Weersink, University of Guelph
Brady Deaton, University of Guelph
Martin Beaulieu, Statistics Canada, Agriculture Division
Mike Trant, Statistics Canada, Agriculture Division

Economics of Greenhouse Gas Mitigation on Beef Farms
Trina Johnson, University of Alberta
Scott Jeffrey, University of Alberta

Greenhouse Gas Mitigation on Diversified Farms
Elwin G. Smith, Agriculture and Agri-Food Canada
Bharat Mani Upadhyay, Agriculture and Agri-Food Canada