2007 AAEA- CAES-WAEA Joint Annual Meeting

Monday, July 30, 2007
10:30 am - noon

Session Number 1030
MANAGING WATER SCARCITY—THE ROLE OF ECONOMIC INSTRUMENTS
Oregon Convention Center/Meeting Room C120

Moderator: Henning Bjornlund, University of South Australia

Presentations:
Water Trading in an Era of Increasing Energy Prices - David Zilberman, University of California, Berkeley

Buy, Sell, or Lease: Agricultural Water Marketing in Northern Chile - Erene Hadjigeorgalis, New Mexico State University

Improving Irrigation Water Efficiency and Productivity in Southern Alberta—The Role of Economic Instruments - Kurt Klein, University of Lethbridge; Henning Bjornlund, University of South Australia; Lorraine Nicol, University of Lethbridge

Demand and Supply Elasticity in Australian Water Markets: The Impact of Water Scarcity - Henning Bjornlund, Sarah Wheeler, and Martin Shanahan, University of South Australia

Session Number 1031
CONSUMER BEHAVIOR AND FOOD
Oregon Convention Center/Meeting Room C121

Moderator: Sven Anders, University of Alberta

Presentations:
Determinants of Consumers’ Stated Preferences for Functional Foods or Nutraceuticals Rich in Either Omega-3 or Lycopene - Driss Lkassbi, Gale West, and Clément Yélou, Universite Laval

Precision and Distributional Differences of Elasticity Estimates in AIDS Demand System - Getu Hailu, University of Guelph; Ellen Goddard, University of Alberta; John Cranfield, University of Guelph

What Does it Take to Switch Away from Beef toward Bison?: Insights on Canadian Consumers’ Perceptions toward Bison Meat from a Choice Experiment - Bodo Steiner, James Unterschultz, and Fei Gao, University of Alberta

Proposing a Test Procedure for Externally Segmented Laddering Data: An Application to Consumer Acceptance of Genetically Modified Foods - Andreas Boecker, University of Guelph; Jochen Hartl, Produkt + Markt

Session Number 1032
MEASURING SOCIO-ECONOMIC IMPACTS
Oregon Convention Center/Meeting Room C122

Moderator: M. Olfert, University of Saskatchewan

Presentations:
Inter-provincial Labor Migration in Canada - Mohammad Shakeri and Samira Bakhshi, University of Saskatchewan; Mark Partridge, The Ohio State University

Measuring and Mapping the Impact of Social Economy Enterprises: A Case of Co-operatives in Canada - Chipo Kangayi and M. Olfert, University of Saskatchewan; Mark Partridge, The Ohio State University

Exploring the Effects of Mortality and Morbidity from HIV/AIDS on Household Agricultural Productivity in Southeastern Uganda Using a Multi-agent Systems Modeling Approach - Dawn Parker and Maction Komwa, George Mason University; Pepjin Schreinemachers and Thomas Berger, University of Hohenheim; Kathryn Jacobsen, George Mason University

Intergenerational Transfer and Retiring Farmers - John Caldwell and David Culver, Agriculture and Agri-Food Canada

Session Number 1033
IMPERFECT COMPETITION IN AGRICULTURAL MARKETS
Oregon Convention Center/Meeting Room C125
Moderator: Kathy Baylis, University of British Columbia

Presentations:
Empirical Investigation of Wholesalers' Market Power with Organic Fresh Produce II: A Compartment Model - Tatiana Gubanova, University of Alberta; Timothy Park and Luanne Lohr, University of Georgia

Pricing Games in the Frozen Chicken Industry in Canada - Umesh Chand, Ellen Goddard, and Tomas Nilsson, University of Alberta

Product Line Pricing Games in the Fluid Milk Market of Western Canada - Wenzhao Huang and Ellen Goddard, University of Alberta

A Linear-quadratic Inventory Model for the Canadian Chicken Industry - Abdessalem Abbassi and Jean-Philippe Gervais, Laval University

Monday, July 30, 2007
12:00 pm - 1:30 pm

Session Number 1034
THE ECONOMIC IMPACT OF ETHANOL DEVELOPMENT IN NORTH AMERICA
Oregon Convention Center/Meeting Room C120
Moderator: Kurt Klein, University of Lethbridge

Presentations:
Current Status and the Economics of the Ethanol and Biodiesel Industries in the U.S. - Vernon Eidman, University of Minnesota

Status and Competitive Impacts of Ethanol Development on Canadian Livestock Industries - Al Mussell, Kate Stiefelmeyer, and Anatoliy Oginskyy, The George Morris Centre

Analyzing the Profitability of Ethanol Made from Wheat in Western Canada - Kurt Klein and Danny Le Roy, University of Lethbridge

U.S. Ethanol's Impact on Crop and Livestock Markets - Bruce Babcock, Iowa State University
Session Number 1035

**URBAN-RURAL**

*Oregon Convention Center/Meeting Room C121*

**Moderator:** Verna Mitura, Statistics Canada

**Presentations:**

*Employment Growth in the American Urban Hierarchy: Long Live Distance* - Mark D. Partridge, The Ohio State University; Dan S. Rickman, Oklahoma State University; Kamar Ali and M. Olfert, University of Saskatchewan

*Sprawl and Rural-Urban Land Use: Evidence from a Stochastic Urban Growth* - Belal Fallah, University of Saskatchewan; Mark D. Partridge, The Ohio State University

*A Multi-agent Simulation Approach to Farm Structural Change and Land Use in Saskatchewan* - Peter Stolniuk, Richard Schoney, and James Nolan, University of Saskatchewan

*Farmland Conservation near Urban Areas: Is B.C.’s Agricultural Land Reserve Able to Protect Farmland from Development?* - Tracy Stobbe, University of Victoria; Geerte Cotteleer, Wageningen University; G. Cornelis Van Kooten, University of Victoria

Session Number 1036

**CONSUMPTION OF NOVEL FOODS**

*Oregon Convention Center/Meeting Room C122*

**Moderator:** Bodo Steiner, University of Alberta

**Presentations:**


*Valuing the Potential Health Benefits of High CLA Milk* - Stavroula Malla, University of Lethbridge; Jill Hobbs, University of Saskatchewan; Tomasz Cybruk, University of Lethbridge

*Are Canadian Consumers Ready for Brand Name Beef? In-store Experimental Auctions Investigate Canadian Consumers’ Willingness-to-Pay for Branded Beef* - Eve Froehlich and Jared Carlberg, University of Manitoba

*Willingness to Pay for Functional Foods: An Experimental Approach* - Maurice Doyon, Laval University; Joanne Labrecque, HEC Montreal; Céline Jullien, Pierre-Mendès-France University

Session Number 1037

**PUBLIC POLICY AND SAFETY NETS**

*Oregon Convention Center/Meeting Room C125*

**Moderator:** Derek Brewin, University of Manitoba

**Presentations:**

*An Examination of the CAIS Program and the Prospect of Catastrophic Risk for Albertan Cow-calf Producers* - Brandon Schaufele and James Unterschultz, University of Alberta

*Decomposing Farmer Participation in Crop Insurance into Entry and Exit* - Juan Cabas, Universidad del Bio-Bio; Akssell Leiva and Alfons Weersink, University of Guelph

*Rent-seeking in British Agriculture 1815-2004: The Political Economy of Success* - Stephen Peplow and Kathy Baylis, University of British Columbia
The Impact of Additional Safety Net Programming on the Value of Crop Insurance - Joseph Janzen, Jared Carlberg, and James Rude, University of Manitoba

Monday, July 30, 2007
1:30 - 3:00 pm

Session Number 1066
MITIGATING RISK THROUGH BENEFICIAL MANAGEMENT PRACTICES
Oregon Convention Center/Meeting Room C120
Moderator: Al Mussell, The George Morris Centre

Presentations:
An Economic Evaluation of Crop Nutrient Beneficial Management Practices in Canadian Agriculture - Cher Brethour and Beth Sparling, The George Morris Centre

Influence of Risk and Dynamics in the Adoption of Beneficial Management Practices - Manso Frimpong, Alfons Weersink, and Wanhong Yang, University of Guelph

A Conceptual Framework for Integrated Economic-hydrologic Modeling for the Watershed Evaluation of Beneficial Management Practices (WEBs) - Peter Boxall, University of Alberta; Alain Rousseau, Université du Québec; Wanhong Yang, University of Guelph

Understanding the Distinction between Ecological Goods and Services and Beneficial Management Practices - Beth Sparling, The George Morris Centre

Session Number 1067
UNREST WITH THE TREES
Oregon Convention Center/Meeting Room C121
Moderator: Donna Harrington, University of Guelph

Presentations:

Compromise and Fuzzy Programming for Analyzing Tradeoffs and Uncertainties: Optimal Forest Strategies for Economic Development in Northern Canada - Emina Krcmar, University of British Columbia; Alison J. Eagle and G. Cornelis Van Kooten, University of Victoria

An Assessment of Geographic Information Technologies in Forest Fire Suppression — An Empirical Analysis - Javed Iqbal and Hayley Hesseln, University of Saskatchewan

Determinants of Forest Preservation - Jay Anderson, Marty Luckert, and Wiktor Adamowicz, University of Alberta

Session Number 1068
BSE
Oregon Convention Center/Meeting Room C122
Moderator: Jean-Philippe Gervais, Laval University

Presentations:
Ripple Effects of BSE on the Canadian Dairy Industry - Steven Koeckhoven and Ellen Goddard, University of Alberta
Canadian Household Meat Consumption, Confidence in the Safety of Food and BSE - Ellen Goddard and Wiktor Adamowicz, University of Alberta; Janneke De Jonge and Lynn Frewer, Wageningen University

BSE Impact on Canadian Meat Demand—An Application of Social Amplification of Risk Framework in Demand Analysis - Jun Yang and Ellen Goddard, University of Alberta

Impact of BSE on Beef Purchases in Alberta and Ontario Quick-serve Restaurants - Leigh Maynard, University of Kentucky; Ellen Goddard, University of Alberta

Session Number 1069
MARKET STRUCTURE AND AGRI-FOOD INDUSTRIES
Oregon Convention Center/Meeting Room C125
Moderator: Bruno Larue, Laval University

Presentations:
R&D Cooperation and Output Competition by Producer Associations - Zoe Campbel and James Vercammen, University of British Columbia

Traceability, Recalls, and Industry Reputation - Sébastien Pouliot and Daniel Sumner, University of California, Davis

Modeling the Performance of Canadian Agribusiness Co-operatives: A DEA Windows Analysis - Getu Hailu, University of Guelph

Cognitive Dissonance and Customer Allegiance in a Mixed Oligopoly - Lampros Lamprinakis and Murray Fulton, University of Saskatchewan

Monday, July 30, 2007
3:30 - 5:00 pm

Session Number 1097
THE FARM LEVEL FRAMEWORK FOR APF II: THE NEXT GENERATION
Oregon Convention Center/Meeting Room C120
Sponsored by the Farm Level Policy APRN, which is funded by Agriculture and Agri-food Canada
Moderator: James Unterschultz, University of Alberta
Moderator: Dave Culver, Agriculture and Agri-Food Canada

Presentations:
Reflections on the APF—Objectives, Context and Results - David Sparling, Institute of Agri-Food Policy Innovation

Business Risk Management in the Next Generation APF: A CAIS Study - Scott Jeffrey and James Unterschultz, University of Alberta

An Evaluation of Environmental Policies in the Current and Upcoming Agricultural Policy Framework - Alfons Weersink, University of Guelph

Session Number 1098
NEW DIRECTIONS IN WATER ECONOMICS
Oregon Convention Center/Meeting Room C121
Moderator: Kurt Klein, University of Lethbridge

Presentations:
An Empirical Study on the Role of Altruism in the Valuation of Community Drinking Water Risk Reductions - Jing Zhang and Wiktor Adamowicz, University of Alberta; Alan Krupnick, Resources for the Future; Diane Dupont, Brock University

The Effect of Trade Surplus and Market Architecture on Trading Behaviour in Australian Water Markets: A Comparison of Experimental Observations and Optimization Model Predictions - John Tisdell, Griffith University; John Ward, Commonwealth Scientific and Industrial Research Organisation; Peter Boxall, University of Alberta

The Economics of Rural-Urban Water Allocation Strategies in the Bow River Basin of Alberta - Collins Ayoo, University of Calgary; Lixia He, University of Tennessee; Theodore Horbulyk, University of Calgary

Willingness to Pay for Water Supply Improvements: A Comparison of Regular Neighborhoods and Informal Settlements in Queretaro, Mexico - Gustavo Mendoza, Sean Cash, and Wiktor Adamowicz, University of Alberta

Session Number 1099
HEALTH, FOOD, AND FAT
Oregon Convention Center/Meeting Room C122
Moderator: Maurice Doyon, Laval University

Presentations:
Potential Economic Impacts of Proposed Trans Fats Ban in Canada - Richard Gray, University of Saskatchewan; Stavroula Malla and Ken Perlich, University of Lethbridge

Fast Food Outlet Density and the Incidence of Overweight and Obesity across Canadian Metropolitan Areas - Sean Cash, Ellen Goddard, and Ryan Lacanilao, University of Alberta

Evaluating the Changing Demands for Fats and Oils in Canada - Curtis Boyd and Ellen Goddard, University of Alberta

Consumer Interest in Conjugated Linoleic Acid (CLA) Enhanced Beef Products: An In-situ Choice Experiment Approach - Joann Kingston-Riechers, Riechers Consulting Inc; Yulian Ding and Sean Cash, University of Alberta; Yanning Peng, Alberta Agriculture, Food, and Rural Development

Session Number 1100
INNOVATION AND BIOTECHNOLOGY
Oregon Convention Center/Meeting Room C125
Moderator: Danny Le Roy, University of Lethbridge

Presentations:
Plant Molecular Farming in an Anti-GMO Context: Who among Quebec Grain Farmers Are Willing to Sow the Seeds? - Gale E. West, Clément Yélo, and Bruno Larue, Universite Laval

Breeders' Rights and Open Source Crop Germplasm - Daniel Holman and Richard Gray, University of Saskatchewan; Stavroula Malla, University of Lethbridge

The Profitability of Seeding the F2 Generation of Hybrid Canola - Elwin Smith, Agriculture and Agri-Food Canada; M. Lucila Favret, Private Contractor; George Clayton, Stu Brandt, Neil Harker, Robert Blackshaw, and John O’Donovan, Agriculture and Agri-Food Canada

Protection of Biotechnological Intellectual Property Rights in Developing Countries: Terminator Gene Redux - Ryan Cardwell and Lixia Zhang, University of Manitoba

Tuesday, July 31, 2007
10:30 am - noon

Session Number 2037
MEASURING FARM HOUSEHOLD WELL-BEING IN CANADA AND THE UNITED STATES
Oregon Convention Center/Meeting Room C120
Moderator: Jan Dyer, Unknown
Discussant: Jill Findeis, Pennsylvania State University

Presentations:
Bridging Farm Performance and Well-being Measures in Canada and the United States - David Freshwater, University of Kentucky

Farm Household Well-being: A Geographical Analysis - Carol Jones, USDA-Economic Research Service

Variability of Farm Business Income and Farm Family Income in Canada: A Longitudinal Analysis - Robert Koroluk and Katrin Nagelschmitz, Agriculture and Agri-Food Canada

---

Session Number 2038
FARMERS’ DECISIONS, MARKET IMPACTS, AND THE STRUCTURE OF AGRICULTURE
Oregon Convention Center/Meeting Room C121
Moderator: Elwin Smith, Agriculture and Agri-Food Canada

Presentations:
To Hedge or Not to Hedge: The Role of Price Expectations and Risk - David Pannell, University of Western Australia; Getu Hailu and Alfons Weersink, University of Guelph

An Analysis of Economic Efficiency of Beef Cow-calf Operations in Alberta - Sudarma Samarajeewa, Getu Hailu, and Maury Bredahl, University of Guelph; Scott Jeffrey, University of Alberta

Factors Affecting Farmland Prices in Ontario and Saskatchewan: A Comparative Analysis - Rakhal Sarker and Catherine Rothrock, University of Guelph

The Changing Structure of Canadian Agriculture - Verna Mitura and Ross Vani, Statistics Canada

---

Session Number 2039
BIODIVERSITY AND INVASIVE SPECIES
Oregon Convention Center/Meeting Room C122
Moderator: Sean Cash, University of Alberta

Presentations:
Optimal Management for Invasive Species in the Presence of Induced Technology with Uncertainty - C. S. Kim, Glenn Schaible, Ruben Lubowski, Utpal Vasavada, and Jan Lewandrowski, USDA-Economic Research Service

Developments in Plant Breeders Rights, Potato Productivity, and Quality Improvements - Richard Carew, Agriculture and Agri-Food Canada; Anwar Naseem, McGill University

An Agent-Based Model of Border Enforcement for Invasive Species Management - D. Angele Vickers and Sean Cash, University of Alberta; Holly Ameden and David Zilberman, University of California, Berkeley

Valuation of Marine Mammal Recovery Programs in the St. Lawrence Estuary - Maria Olar, Laval University; Wiktor Adamowicz and Peter Boxall, University of Alberta; Gale West, Universite Laval

---

Session Number 2040
TRADE LIBERALIZATION ISSUES
Oregon Convention Center/Meeting Room C125
Moderator: Ryan Cardwell, University of Manitoba

Presentations:
Trade Issues in Biofuel Industry: Future Trade Disputes? - Crina Viju, William Kerr, and James Nolan, University of Saskatchewan

Do State Trading Enterprises Affect Trade? – A Gravity Model Approach to the World Wheat Trade - Arvin Pirness and Hartley Furtan, University of Saskatchewan; Mark Partridge, The Ohio State University; M. Rose Olfert, University of Saskatchewan

Non-homothetic Preferences As Determinant of Differentiated Agrifood Products and Beverages Trade across Development Spectrum - Zahoor Haq and Karl Meilke, University of Guelph

Tuesday, July 31, 2007
1:30 - 3:00 pm

Session Number 2077
WHERE IS THE LEADING EDGE OF FARMING HEADING AND WHAT DOES THIS MEAN FOR POLICY?
Oregon Convention Center/Meeting Room C120
Moderator: James Johnson, USDA-Economic Research Service
Discussant: Douglas Hedley, Unknown

Presentations:

The Canadian Hog/Pork Industry: Past Success and Future Challenges - Pierre Charlebois, Organization for Economic Cooperation and Development

Drivers of Change in Farm Business Structure: Implications for Future Policy - Allan Gray and Michael Boehlje, Purdue University

Session Number 2078
CONSUMERS, ENERGY, AND RESOURCES
Oregon Convention Center/Meeting Room C121
Moderator: Chantal Line Carpentier, NAFTA Council for Environmental Cooperation

Presentations:
Canadian Attitudes toward Government Intervention Policies in the Biofuel Market - Gale West, Universite Laval; Danny Le Roy, University of Lethbridge; Bruno Larue, Universite Laval

Simultaneous Use of Revealed and Stated Preference Information: Effects of Wildfire on Recreation Demand in New Mexico - Mohammad Shakeri and Samira Bakhshi, University of Saskatchewan; Hayley Hesseln, University of Montana

Economics of Establishing Biorefineries in Western Canadian Prairies - Edmund Mupondwa, Agriculture and Agri-Food Canada

Modeling Discrete Choices with Augmented Perception Hurdles - Wuyang Hu, University of Nevada at Reno
Session Number 2079
DECISION MAKING ON LAND, SEA, AND AIR
Oregon Convention Center/Meeting Room C122
Moderator: Paul Thomassin, McGill University

Presentations:
Strategic Motives and the Canadian Voluntary Climate Registry (VCR) - Donna Ramirez Harrington, University of Guelph; Keith Brouhle, Grinnell College

Using a Multi-agent Simulation to Model Bidder Learning and Heterogeneous Landscapes in a Repeated Farmland Auction Markets - Adam Arsenault, James Nolan, and Richard Schoney, University of Saskatchewan

Farm Impact and Adaptation to Climatic Change in Quebec, Canada - Sebastien Rivest, Paul Thomassin, and Laurie Baker, McGill University

A Cost Benefit Analysis of a Fishing Safety Telecommunication System in Oman - Msafiri Mbaga, Sultan Qaboos University

Session Number 2080
THE ENVIRONMENT ON THE FARM
Oregon Convention Center/Meeting Room C125
Moderator: Alfons Weersink, University of Guelph

Presentations:
GIS-Based Integrated Hydrologic and Economic Evaluation of the Tradeoffs Between Wetland Benefits and Agricultural Returns - Aaron De Laporte, Alfons Weersink, and Wanhong Yang, University of Guelph

Economic Assessment of Proposed Manure Phosphorus Regulations for Manitoba’s Pig Industry - Janelle Mann and Charles Grant, University of Manitoba

The Economic Impacts of Phosphorus Regulations on Hog Producers - Anais Hacault and G.V. Johnson, University of Manitoba

Functional Form, Site, and Year Effect on the Optimal Nitrogen Application Rate - Predrag Rajsic and Alfons Weersink, University of Guelph