

CAES Sessions held at the

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 - Ereny 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, Université 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 - Chipso 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 Oginsky, 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:

On Relative Contributions of Individual- and Choice-specific Effects in Discrete Consumer Choice Panels: An Experimental Canola Oil Auction Study - Dmitriy Volinskiy, Wiktor Adamowicz, Michele Veeman, and Lori Srivastava, University of Alberta

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 Bío-Bío; 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:

Implications of Carbon Modeling Practices for Analyzing Carbon Management Incentives in Canada's Boreal Forest - Geoff McCarney, Wiktor Adamowicz, and Glen Armstrong, University of Alberta

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 Campbell 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 Lamprinakos 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 Yélou, and Bruno Larue, Université 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

Dairy Trade Liberalization Impacts in Canada - Abbassi Abdesselem, Laval University; Olivier Bonroy, Agro-Campus Rennes; Jean-Philippe Gervais, Laval University

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:

A Look at the Future: Million-dollar Farms in the United States - Robert Hoppe, USDA-Economic Research Service

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, Université Laval; Danny Le Roy, University of Lethbridge; Bruno Larue, Université 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 Hessel, 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 Mbagu, 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