

PROGRAM

2022 ANNUAL MEETING

Canadian Agricultural Economics Society/  
Société canadienne d'agroéconomie

9-11 August



## 2022 Annual Meeting of the Canadian Agricultural Economics Society



**Welcome to the 2022 CAES Annual Meeting** online!

This meeting offers a stimulating selection of sessions and talks. In addition to the organized and selected paper sessions, please be sure to attend the Presidential address by incoming President Getu Hailu, and the Keynote address by Will Martin, IFPRI. (The CAES business meeting will be held on Wednesday afternoon).

I look forward to seeing you at this year's awards sessions where the awards for Fellows of the society, best MSc theses, journal articles and undergraduate book prizes will be distributed. Let us all hope this is the last time a certain level of risk aversion drives us to offer an online conference. We will be happy to see everyone face-to-face in Whistler 2023 in a meeting joint with the Western Agricultural Economics Association.

Ellen Goddard  
CAES President

**SCHEDULE (ALL TIMES EDT)**

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<b>Tuesday</b> August 9	Presidential address	12:00 – 13:00
	Break	13:00 – 13:15
	Concurrent paper session 1: Consumer perceptions and labelling	13:15 – 14:45
	Concurrent paper session 2: Land and input use	13:15 – 14:45
	Break	14:45 – 15:00
	Graduate student session	15:00 – 16:00
	Awards Ceremony	16:00 – 17:00
<b>Wednesday</b> August 10	Keynote Speaker	12:00 – 13:00
	Break	13:00 – 13:15
	Organized symposium 1: Accounting for emotions in examining the demand for food	13:15 – 14:45
	Concurrent paper session 3: Carbon and climate change	13:15 – 14:45
	Break	14:45 – 15:00
	Annual business meeting	15:00 – 17:00
<b>Thursday</b> August 11	Organized symposium 2: Economic sanctions, agri-food trade, and food security	12:00 – 13:30
	Concurrent paper session 4: Consumers and marketing	12:00 – 13:30
	Break	13:30 – 13:45
	Concurrent paper session 5: Energy and environmental policy	13:45 – 15:15
	Concurrent paper session 6: Labour and household issues	13:45 – 15:15
	Break	15:15 – 15:30
	Concurrent paper session 7: Production, disease, and rotation	15:30 – 17:00
	Concurrent paper session 8: COVID-19, food, and consumers	15:30 – 17:00

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## GENERAL INFORMATION

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All meetings will take place on [Zoom](#). Login information will be provided to all conference participants in advance of the meeting. For Zoom technical support, please contact Jennifer Vignola at [jennifer.vignola@canada.ca](mailto:jennifer.vignola@canada.ca).

In the selected paper sessions detailed below, the presenting author for each paper is listed in italics. Presenters will have fifteen minutes to present their work, followed by five minutes for questions.

For general questions about the conference, please contact Tristan Skolrud at [tristan.skolrud@usask.ca](mailto:tristan.skolrud@usask.ca).

## DETAILED PROGRAM

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### TUESDAY, AUGUST 9

**Presidential address: Reflections on Technological Progress in the Agri-Food Industry: Then, Now & Tomorrow** **12:00 – 13:00 EDT**



*Getu Hailu*, University of Guelph

Technological advances—e.g., from hand milking to robotic milking—have significantly shaped the agri-food industry and economic growth throughout history. A look at the [lead article](#) of the first issue (and the first volume, 1952) of the *Canadian Journal of Agricultural Economics* (CAES) seventy years ago reveals an ongoing inquiry within the discipline about how technological progress has shaped the management of farm operations, aggregate industry productivity and food prices. The topics that were discussed in the first issue of the CAES are still relevant today—e.g., challenges with measuring productivity and innovation, diffusion of innovation, technological unemployment, demand for skilled workers, financing innovations, climate change and food security. Technological innovations for the 21st century hold the potential to foster resilient and sustainable (green) productivity growth for the agri-food industry. In this address, I will reflect on the past, present, and future impacts of technological innovations and productivity growth on the agri-food industry, and discuss the implications this has for future research, welfare and policy.

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**Concurrent paper session 1: Consumer perceptions and labelling** **13:15 – 14:45 EDT**

Moderator: Kinga Nolan, University of Saskatchewan

The “Canadianess” of a Label: Consumer perceptions of Product of Canada and Made in Canada food labels

*Kinga Nolan*, University of Saskatchewan

Jill Hobbs, University of Saskatchewan

The consumer demand effects of plant-based meat alternative labelling policy

*Liam Boldt*, University of Saskatchewan

Jill Hobbs, University of Saskatchewan

Estimating Diners’ Valuation of Sustainability Labelling in McGill University's Dining Halls Using Stated Choice Analysis

*Naba Tahir*, McGill University

Mary Doidge, McGill University

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**Concurrent paper session 2: Land and input use** **13:15 – 14:45 EDT**

Moderator: Elisabeta Lika, University of Saskatchewan

Biodiversity Benefits of Birdwatching Using Citizen Science Data and Recreational Demand Models

*Tharaka Jayalath*, University of Saskatchewan

Patrick Lloyd-Smith, University of Saskatchewan

Marcus Becker, Alberta Biodiversity Monitoring institute

Relational Agreements & Rented Farmland: Implications for Agricultural Contracting & Land Stewardship

*Gabriela Gabrel*, University of Guelph

Brady Deaton, University of Guelph

Jose Nuno-Ledesma, University of Guelph

Estimating the Economic Value of Improving the Ecological Condition of the Saskatchewan River Delta Ecosystem

*Elisabeta Lika*, University of Saskatchewan

Patrick Lloyd-Smith, University of Saskatchewan

Agricultural Input Use and Index Insurance Adoption: Concept and Evidence

*Sandip Agarwal*, Indian Institute of Science Education and Research Bhopal

Gaurav Arora, IIIT-Delhi

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**Graduate student session** **15:00 – 16:00 EDT**

**CAES Fellows Award**

With its Fellows Award the CAES recognizes excellence in the fields of agricultural or resource economics. A CAES Fellow has demonstrated continuous distinguished contributions to the advancement of the profession and substantial contributions to institution building and the Canadian agricultural and resource economics profession. Naming a CAES Fellow is a privilege and an honour; this year we will be inducting one of your colleagues with a distinguished career into our very own Hall of Fame to properly recognize their contributions and distinguished career.

**Outstanding Master's Thesis Award**

The Master's Thesis Award recognizes theses written at the Master's level that demonstrate exceptional quality with respect to the subject matter of the research as well as the way the research has been conducted. Theses are selected based on the originality of the approach; the relevance of the research to a scientific understanding of the issues covered; the significance of the thesis in relation to issues in agricultural economics; and its interest for the public. Theses must have been completed in 2021 to be eligible, and nominations are accepted from agricultural economics and related social science disciplines.

**Outstanding CJAE article award**

This award recognizes achievement in agricultural economics, resource economics, and farm management for articles appearing in the Society's journal, the *Canadian Journal of Agricultural Economics*, over the previous year.

**Publication of Enduring Quality Award**

This prestigious award recognizes books, articles within books, or journal articles that are at least ten years old and have had a significant impact on agricultural, food, and resource economics.

**Undergraduate Book Prizes**

The CAES Book Prize recognizes and encourages the achievement of undergraduate students in their study and application of agricultural, food, or resource economics, farm management, or related fields of study at the undergraduate level. Eligibility is limited to full-time students majoring with a strong program emphasis in agricultural, food, or resource economics, or farm management at any Canadian university.

## WEDNESDAY, AUGUST 10

**Keynote address: Repurposing Agricultural Policies and Support for Climate Change and Food Security**

**12:00 – 13:00 EDT**



*William J. Martin*, Senior Research Fellow, International Food Policy Research Institute

### **Synopsis**

Repurposing a portion of government spending on agriculture each year to develop and disseminate more emission-efficient technologies for crops and livestock could reduce overall emissions from agriculture by more than 40 percent. Meanwhile, millions of hectares of land could be restored to natural habitats. The economic payoffs to this type of repurposing would be large. Redirecting about \$70 billion a year, equivalent to one percent of global agricultural output, would yield a net benefit of over \$2 trillion in 20 years. For more information, click [here](#).

### **Biography**

Will Martin is a Senior Research Fellow at the International Food Policy Research Institute (IFPRI), Past-President of the International Association of Agricultural Economists, and a Fellow of the Agricultural and Applied Economics Association. Much of Martin's recent research has focused on the impacts of shocks such as food price changes, productivity growth, COVID-19, and farm programs on poverty and food security. Another strand of work has examined approaches to mitigating greenhouse gas emissions from agriculture. He has also mobilized research teams to examine WTO's Uruguay Round and Doha Agenda, and China's accession to WTO. Growing up on an Australian dairy farm when Britain joined Europe showed him the importance of agricultural trade-related issues. He trained in economics and agricultural economics at the University of Queensland, the Australian National University and Iowa State University. He began his career at the Australian Bureau of Agricultural Economics, before moving to the Australian National University and the World Bank. He was the World Bank's Research Manager for Agriculture for six years before joining IFPRI in 2015.

**Organized symposium 1: Accounting for emotions in examining the demand for food**

**13:15 – 14:45 EDT**

Chair: Ellen Goddard, University of Alberta

Different Methods of Identifying Emotions and Feelings Towards Dairy Products

*Katherine Rogers*, University of Alberta

John Parkins, University of Alberta

Ellen Goddard, University of Alberta

Unraveling Possible Relationships Between Consumers' Attitudes Towards Nutritional Aspects of Foods and Moral Values

*Edoardo Maria Pelli*, Technical University of Munich

Jutta Roosen, University of Alberta

How Information Shapes Emotional Responses to Plant-Based Milk Alternatives

*Yiyuan Miao*, Renmin University

Brent Swallow, University of Alberta

Ellen Goddard, University of Alberta

Jiping Sheng, Renmin University

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**Concurrent paper session 3: Carbon and climate change**

**13:15 – 14:45 EDT**

Moderator: Dale Penner, AAFC and University of Manitoba

On-farm Economic Cost and Benefit Analysis of Cover Crops in Southern Manitoba

*Dale Penner*, AAFC and University of Manitoba

Yvonne Lawley, University of Manitoba

Jun Zhao, Agriculture and Agri-Food Canada

Oscar Molina, Agriculture and Agri-Food Canada

Henry Wilson, Agriculture and Agri-Food Canada

The Impact of the Timing of Carbon Sequestration on Optimal Forest Rotation Ages

*G. Cornelis van Kooten*, University of Victoria

Climate change and yield variability: Evidence from historical rice yield trials in India

*Ayush Mathur*, Indian Institute of Science Education and Research Bhopal

Sandip Agrawal, Indian Institute of Science Education and Research Bhopal

Carbon Footprint and Environmentally Adjusted Productivity of Ontario Dairy Farms

*Bibek Dahal*, University of Guelph

*Getu Hailu*, University of Guelph

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**Annual business meeting**

**15:00 – 17:00 EDT**



**THURSDAY, AUGUST 11**

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**Organized symposium 2: Economic sanctions, agri-food trade and food security**

**12:00 – 13:30 EDT**

Chair: S. Kwaku Afesorgbor, University of Guelph

Economic Sanctions and Agricultural Trade

*Jeff Luckstead*, Washington State University

Mario Larch, University of Bayreuth

Yoto V. Yotov, Drexel University

Market Adjustments to Import Sanctions: Lessons from Chinese Restrictions on Australian Trade, 2020-21

*Scott Waldron*, University of Queensland

Darren J. Lim, Australian National University

Victor Ferguson, Australian National University

Revisiting the Effect of Economic of Sanctions of Food Security

*S. Kwaku Afesorgbor*, University of Guelph

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**Concurrent paper session 4: Consumers and marketing**

**12:00 – 13:30 EDT**

Moderator: Yang Yang, University of Saskatchewan

Impact of Distributional channels on On-farm Loss of Fruit and Vegetables

*Xiaoyi Huang*, McGill University

Mary Doidge, McGill University

Estimating the Amount of Private Information Contained in Orders of Different Age

*Justin Daniels*, University of Manitoba

Julieta Frank, University of Manitoba

Mehdi Arzandeh, Lakehead University

Consumer Interest in Sustainable Textiles from Hemp

*Ellen Goddard*, University of Alberta

Jane Kolodinsky, University of Vermont

Patricia Dolez, University of Alberta

Consumer Trust in Arctic Foods Certification

*Yang Yang*, University of Saskatchewan

Jill E. Hobbs, University of Saskatchewan

David C. Natcher, University of Saskatchewan

**Concurrent paper session 5: Energy and environmental policy****13:45 – 15:15 EDT**

Moderator: Tristan Skolrud, University of Saskatchewan

Does Change in Environmental Regimes Moderate the Impact of Environmental Technologies on Energy Transition in the OECD Countries?

*Muhammad Ibrahim Shah*, University of Alberta

Avik Sinha, Goa Institute of Management, India

Shujaat Abbas, Institute of Business Management, Pakistan

Macroeconomic Impact of Second-Generation Biofuels on the Canadian Economy

*Yiran Chen*, McGill University

Kakali Mukhopadhyay, McGill University

Paul J. Thomassin, McGill University

Wind Energy in Alberta and its Impact on Coal and Gas Electricity Generation

*Yin Shi*, University of Victoria

G. Cornelis van Kooten, University of Victoria

A Green Paradox in Brazil?

*Tristan Skolrud*, University of Saskatchewan

Thomas Sarpong, University of Saskatchewan

Janelle Mann, University of Manitoba

**Concurrent paper session 6: Labour and household issues****13:45 – 15:15 EDT**

Moderator: Yu Na Lee, University of Guelph

Household food waste behaviour in urban China: a behavioural model

*Ji Lu*, Dalhousie University

Emmanuel K. Yiridoe, Dalhousie University

Wenguang Zhang, Beijing Normal University

Yanbo Xiao, Beijing University of Chinese Medicine

Migration, gender labor division and food insecurity in Tajikistan

*Tinusha Ghimire*, McGill University

Aurelie Harou, McGill University

Soumya Balasubramanya, World Bank

Peer Learning in a Digital Farmer-to-Farmer Network: Effects on Technology Adoption and Self-Efficacy Beliefs

*Violet Lasdun*, McGill University

Aurelie Harou, McGill University

Chris Magomba, SUA

David Guerena, CIAT

Food Price Shock and Age of Marriage: Evidence from Ethiopia

*Yu Na Lee*, University of Guelph

Monika Bischof, University of Guelph

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**Concurrent paper session 7: Production, disease, and rotation**

**15:30 – 17:00 EDT**

Moderator: Danny LeRoy, University of Lethbridge

Optimal Lentil Rotations with Uncertain Disease Damage

*Elwin Smith*, University of Lethbridge

Danny LeRoy, University of Lethbridge

Cost Analysis of Windrow Methods for Composting Feedlot Manure Mixed with Wet Spruce Pine Fire Hog Fuel

*Qiaojie Chen*, Dalhousie University

Emmanuel Yiridoe, Dalhousie University

Chidozie Okoye, Dalhousie University

Optimizing Pulse Rotations on Prairie Cropland with *Aphanomyces euteiches*

*Jason Seed*, University of Lethbridge

Danny LeRoy, University of Lethbridge

Elwin Smith, University of Lethbridge

Modelling the Crop Harvest Decision in Saskatchewan

*Qingsong Tian*, Huazhong Agricultural University

J. Stephen Clark, Dalhousie University

Yan Yu, Huazhong Agricultural University

Chongguang Li, Huazhong Agricultural University

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**Concurrent paper session 8: COVID-19, food, and consumers**

**15:30 – 17:00 EDT**

Moderator: Paul J. Thomassin, McGill University

Covid-19 Pandemic Impacts on Preference for Urban Green Space and Green Equity

*Hotaka Kobori*, University of Alberta

Brent Swallow, University of Alberta

Feng Qiu, University of Alberta

Food Access and Local Food System Participation among Low-income Immigrant and Refugee Population in Metro Vancouver Area

*Emily Burkholder*, Kwantlen Polytechnic University

Valerie Lai, Pacific Immigrant Resources Society

Wallapak Polasub, Kwantlen Polytechnic University

Evaluating Consumer Behaviour and Attitudes Surrounding Environmental Aspects of the Canadian Dairy Industry

*Katherine Rogers*, University of Alberta

John Parkins, University of Alberta

Ellen Goddard, University of Alberta

Assessing the Macroeconomic Impact of COVID-19 on the Canadian Agri-Food Industry

*Xavier Bouchard-Vachon*, McGill University

Kakali Mukhopadhyay, McGill University

Paul J. Thomassin, McGill University