

• SHARING RESEARCH •



that
**GROWS
ORGANIC**

**2nd CANADIAN ORGANIC
SCIENCE CONFERENCE**

September 19-21, 2016 • MONTRÉAL-LONGUEUIL (QUÉBEC) CANADA

preliminary
PROGRAM

www.craaq.qc.ca/cosc2016

THIS EVENT IS ORGANIZED BY:



RESEARCH AND DEVELOPMENT
INSTITUTE FOR THE
AGRI-ENVIRONMENT

WITH THE COLLABORATION OF:



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THANKS TO OUR SPONSORS FOR SUPPORTING RESEARCH IN ORGANIC AGRICULTURE. [CLICK HERE TO CONSULT THE LIST.](#)

Sunday 18



**6:00 to
9:00 pm**

Hotel lobby

Welcome reception and registration

A great opportunity to mingle with colleagues and meet new collaborators!
(Registration desk, poster setup, and presentation upload station available)

Recherchez ce symbole pour connaître les conférences traduites en français!

Monday 19

7:30 am

Hotel lobby

Registration (registration desk, poster setup, and presentation upload station available)

**8:15 to
8:30 am**

Room
Champlain
Victoria
Jacques-Cartier

Welcome and opening remarks 

**8:30 to
9:30 am**

Room
Champlain
Victoria
Jacques-Cartier

Organic 3.0 

Plenary keynote speaker:

Urs Niggli, Research Institute of Organic Agriculture (FiBL)

**9:30 to
10:30 am**

Room
Champlain
Victoria
Jacques-Cartier

An Overview of the Canadian Organic Sector 

Panel discussion:

Andrew Hammermeister, Organic Agriculture Centre of Canada, Dalhousie University

Tia Loftsgard, Canada Organic Trade Association


Nicole Boudreau, Organic Federation of Canada

10:30 to 11:00 am - COFFEE BREAK, POSTER SESSION AND STAND VISITS - Room Lafontaine

Room	CHAMPLAIN	VICTORIA	JACQUES-CARTIER 
Session	Horticultural Crops <i>Session chair: TBD</i>	Putting Organic Research into Context <i>Session chair: TBD</i>	Field Crops <i>Session chair: TBD</i>
11:00 to 11:30 am	Current Trends for Temperate Organic Tree Fruits in North America <i>Invited session speaker:</i> David Granatstein , Washington State University	To be confirmed <i>Invited session speaker:</i> Tia Loftsgard , Canada Organic Trade Association	Genetic Engineering and Organic Agriculture Title and speaker to be confirmed

11:30 to 11:45 am	Growing High-Density, High-Value Apple Plantings under Row-by-Row Exclusion Nets: Effects on Pests and Fruit Quality Chouinard et al.	To be confirmed <i>Invited session speaker:</i> Ralph C. Martin, University of Guelph	Evaluation of a New Method for the Sowing of Clovers in Cereals Duval and Hivon.
11:45 to 12:00 pm	Impact of Silicon Amendments on Strawberry Powdery Mildew Control in Poly-Tunnel and Field Productions Goyette et al.		Effect of AM Fungal Inoculation and Soil P Fertilizers on Bacterial Assemblages Colonizing the Roots of Pulse Crops under Organic Farm Management Klabi et al.

12:00 to 1:30 pm - LUNCH - Bistro de Sérigny


Room	CHAMPLAIN	VICTORIA	JACQUES-CARTIER 
Session	Horticultural Crops <i>Session chair:</i> TBD	Putting Organic Research into Context <i>Session chair:</i> TBD	Field Crops <i>Session chair:</i> TBD
1:30 to 2:00 pm	Production, Consumer Trends, Research Development and Market Opportunities of Organic Protected Vegetables in the 21 st Century <i>Invited session speaker:</i> Martine Dorais, Agriculture and Agri-Food Canada	To be confirmed <i>Invited session speaker:</i> Gunta Vitins, Resilient Solutions Consulting	Panel Discussion on Participatory Plant Breeding, <i>with:</i> - Daniel Brisebois, organic vegetable farmer Les Cèdres, Québec - Loïc Dewavrin, organic grain farmer Les Cèdres, Québec - Martin Entz, University of Manitoba - Helen Jensen, USC Canada
2:00 to 2:15 pm	High Tunnels Can Be Used for Organic Vegetable and Nutraceutical Crop Production in Southern Ontario Kong et al.	Role of an Advisory Committee on Organic Research in the Design and Execution of Research Projects Fernandez et al.	
2:15 to 2:30 pm	Nitrogen Mineralization Rate of Five Organic Fertilizers Commonly Used for Greenhouse Fruit and Vegetable Crops Dion et al.	Translating Scientific Knowledge for Farmer Adoption: A Green Manure Model MacKenzie and Hammermeister.	
2:30 to 2:45 pm	Fertilization Management of Organic Greenhouse Soil-Less Cucumber Dorais et al.	Farm System Co-Design for Sustainable and Successful Organic Farming Thiessen Martens et al.	Farmer Participatory Plant Breeding for Organic Production in Canada: Summary of the Last 4 Years Entz et al.
2:45 to 3:00 pm	Intracanopy LED Lighting Effects on Yield and Fruit Quality of Greenhouse Vegetable Crops Pepin et al.	Life Cycle Analysis for Wheat Production in Organic, Pesticide Free, Conventional and Intensive Systems Vachon et al.	Nutrient Availability from Soil Test and Resin Methods following Compost Manure Application to Commercial Organic Field Crops McGonigle.

<p>3:00 to 3:15 pm</p>	<p>Permanent Raised Beds for Vegetable Crops Leblanc et al.</p>	<p>—</p>	<p>Reducing Fungal Infestation in Growing Groundnuts through Biocontrol Methods that Can Increase Crop Safety by Decreasing Aflatoxin Content Kifle et al.</p>
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3:15 to 4:30 pm - COFFEE BREAK, POSTER SESSION AND STAND VISITS - Room Lafontaine

<p>6:30 to 9:00 pm Room Champlain Victoria Jacques-Cartier</p>	<p>Banquet </p>		
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Tuesday 20

<p>Hotel parking</p>	<p>Departing from and returning to Sandman Hotel Montreal-Longueuil </p>		
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<p>8:00 am to 5:30 pm</p>	<p>Three options for full-day field tours will be offered to participants:</p> <p>Option A: Field crops – Visits to 3 organic farms</p> <p>Option B: Livestock – Visits to 3 organic farms</p> <p>Option C: Horticulture – Visits to 2 organic farms and the Organic Agriculture Innovation Platform at the IRDA Research Center, Saint-Bruno-de-Montarville</p>		
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Evening - DINNER ON YOUR OWN

Wednesday 21

<p>7:30 am Hotel lobby</p>	<p>Registration (registration desk, poster setup, and presentation upload station available)</p>		
<p>8:15 to 9:00 am Room Champlain Victoria Jacques-Cartier</p>	<p>The Science behind the Organic Movement </p> <p><i>Plenary keynote speaker:</i> Urs Niggli, Research Institute of Organic Agriculture (FiBL)</p>		

9:00 to
10:00 am

Room
Champlain
Victoria
Jacques-Cartier


Organic-Plus for a Sustainable Future



Plenary keynote speaker:

Nadia El-Hage Scialabba, FAO

10:00 to 10:30 am - COFFEE BREAK, POSTER SESSION AND STAND VISITS - Room Lafontaine

Room	CHAMPLAIN	VICTORIA	JACQUES-CARTIER 
Session	Weed management Session chair: TBD	Soils and the environment Session chair: TBD	Livestock Session chair: TBD
10:30 to 10:45 am	Optimizing Weed Control in Grain Crops <i>Invited session speaker:</i> Steve Shirliffe , University of Saskatchewan	Wheat Productivity and Nitrogen Uptake following Green Manure Precrops and Biofertilizer Supplementation Lachance et al.	To be confirmed <i>Invited session speaker:</i> Monique Bestman , Louis Bolk Institute
10:45 to 11:00 am		Legume Crops Effects on Nitrogen Availability to Subsequent Crop in Organic Farming Deschênes et al.	
11:00 to 11:15 am	Assessment of Biofumigation for Weed Control in Organic Agriculture Lefebvre et al.	Effects of Green Manure Termination Method on Agronomic and Soil Properties in an Organic Grain Rotation Marshall et al.	How Much Can Different Aspects of Dairy Cow Welfare be Improved by Providing Yearlong Regular Exercise to Dairy Cows Kept in Tie-Stalls? Palacio et al.
11:15 to 11:30 am	Perennial Sow-Thistle and Canada Thistle Vegetative Propagation and Regenerative Capacity in Organic Field Crops Leblanc et al.	Impact of Cover Crops and Fertilization Methods on Yields and Quality of Organic Carrot in a Muck Soil Côté et al.	Would Organic Dairy Cows with Year-Long Outdoor Experience Choose to Spend Time at Pasture over their Free-Stall Barn? Shepley et al.
11:30 to 11:45 am	The Use of Spring Fallow and Mechanical Weed Destruction to Combat Sow Thistle, Canada Thistle and Coltsfoot in Organic Field Crop Production in Southern Québec Weill.	Impact of Cover Crops and Combinations of Organic Fertilizers in Organic Carrot Cropping System Assessed by Metagenomic Analysis of Soil Bacterial Diversity Jeanne et al.	Switchgrass as an Alternative Bedding for Dairy Cows Housed in Tie-Stalls Brunette et al.
11:45 to 12:00 pm	Organic Weed Management in Perennial Fruits Hammermeister.	—	Plant Bioactive Products and Internal and External Parasite Control in Dairy Production Lachance et al.

12:00 to 1:30 pm - LUNCH - Bistro de Sérigny		HAVE LOOK AT THE ACTIVITIES HELD AS OF 12:30 !	
Room	CHAMPLAIN	VICTORIA	JACQUES-CARTIER 
12:30 to 2:00 pm	—	—	Workshop: Prioritization of Organic Research Needs Hammermeister. Prioritizing Research for the Evolution of Organic Agriculture <i>Session chair:</i> Nicole Boudreau, Organic Federation of Canada
1:00 to 2:00 pm - COFFEE BREAK, POSTER SESSION AND STAND VISITS - Authors are present - Room Lafontaine			
Session	Crop pests <i>Session chair:</i> TBD	Soils and the environment <i>Session chair:</i> TBD	Livestock <i>Session chair:</i> TBD
2:00 to 2:15 pm	Toward a Comprehensive Solution for the Biological Control of Wireworms in Organic Crops <i>Invited session speaker:</i> Todd Kabaluk, Agriculture and Agri-Food Canada	To be confirmed <i>Invited session speaker:</i> Derek Lynch, Dalhousie University	A Systematic Review of Non-Antimicrobial Treatments of Clinical Mastitis in Dairy Cows Francoz et al.
2:15 to 2:30 pm			
2:30 to 2:45 pm	Development and Validation of an Organic Sanitation Treatment for Alfalfa Sprouting Seed: Effect of Mild Heat and Non-Chlorine Sanitizers Wang et al.	Meta-Analysis of Cover Cropping Systems under Organic and Conventional Management: The Effects of Cover Crops on Subsequent Cash Crop Yields and Nitrogen Contribution Charles et al.	
2:45 to 3:00 pm	The Efficacy of Quassia Extract MD in the Control of European Apple Sawfly in Apples Reekie et al.	Green Manures for Organic Production: A Prairie-Centric Literature Review with Broad Outcomes MacKenzie and Hammermeister.	Panel Discussion on Organic Dairy Research, <i>with:</i> - Monique Bestman, Louis Bolk Institute - Participants to be confirmed
3:00 to 3:15 pm	Hydrophobic Polymer Exclusion Nets Bérard et al.	Soil Biological Activity in Biochar-Amended-Organic Greenhouse Tomato Crops – Study Case for Six Types of Soil Dorais et al.	
3:15 to 3:30 pm	The Diversity of Organic Crop Protection Strategy and Consequences on Pest Regulation Marliac et al.	Restoring Yield Productivity and Soil C in Organic Farming Systems on the Prairies Entz et al.	
3:30 pm - END OF THE CONFERENCE			