



CAPA / ACPA



Canadian Honey Council



Canadian National Beekeeping Convention and Tradeshow

Condensed Agenda February 8 – 10, 2024

Thursday February 8, 2024	
7:00 AM – 6:00 PM	CAPA AGM, Midnapore room (closed meeting)
8:00 AM – 5:00 PM	CHC AGM, McKenzie room
6:00 – 8:00 PM	Registration open
7:00 PM	Evening mixer, Chrome Room - CHC members (registrants) only

Friday February 9, 2024 – Sundance Ballroom	
8:00 AM - 6:00 PM	Tradeshow - Midnapore, McKenzie, Bridlewood rooms, Sundance room hall corridor
8:00 - 8:30 AM	Registration, presentation upload, coffee
8:30 - 9:15 AM	Welcome and keynote speaker
9:15 - 10:05 AM	Presentations, panel
10:05 - 10:30 AM Coffee, tradeshow, posters	
10:30 AM - 12:00 PM	Presentations, panel
12:00 - 1:00 PM Lunch	
1:00 - 3:00 PM	Presentations
3:00 - 3:30 PM Coffee, tradeshow, posters	
3:30 - 5:50 PM	Presentations, panels
7:00 PM	Banquet, Chrome room

Saturday February 10, 2024 – Sundance Ballroom	
8:00AM - 6:00 PM	Tradeshow - Midnapore, McKenzie, Bridlewood rooms, Sundance room hall corridor
8:00 - 8:30 AM	Registration, presentation upload, coffee
8:30 -10:00 AM	Presentations, panel
10:00 - 10:30 AM Coffee, tradeshow, posters	
10:30 AM- 12:00 PM	Presentations
12:00 - 1:00 PM Lunch	
1:00 - 3:00 PM	Presentations, panels
3:00 - 3:30 PM Coffee, tradeshow, posters	
3:30 - 4:30 PM	Presentations
4:30 PM	Closing remarks

Canadian National Beekeeping Convention and Tradeshow

Friday February 9, Sundance Ballroom



BeeTech

Healthy bees, healthy agriculture



8:00 – 8:30 AM Registration & Presentation Upload

8:30 – 8:35 AM Welcome – Rod Scarlett

8:35 – 9:15 AM **Keynote:** Jeff Pettis – Beekeeping in a changing world: fires, floods and opportunities?

9:15 – 9:35 AM **Maggie Gill** – *Tropilaelaps* surveillance, distribution, prevention, and management

9:35 – 10:05 AM **PANEL: REGIONAL BEEKEEPING ISSUES**
Moderator – Jake Berg
Panelists – Chris Lockhart – East Coast, Osee Podolsky – Prairies, Jeff Lee West Coast, Albert Devries-Québec and Ontario

10:05 – 10:30 AM Coffee Break (Posters in hall)

10:30 – 11:30 AM **Leslie Holmes** - Queen fertility in response to exposure to antibiotics and temperature stress
Prabashi Wickramasinghe – The effects of maternal IAPV vaccination on *Apis mellifera* offspring
Leonard Foster – Revisiting the analysis of queen pheromones using LC-MS/MS
Miriam Bixby – A profit model of commercial beekeeping: replacement strategies, self-sufficiency and diversification matter

11:30 AM – 12:00 PM **PANEL: DOMESTIC BEE PRODUCTION**
Moderator – Pierre Giovenazzo
Panelists – Maggie Lamothe Boudreau, Dani Glennie, Curtis Miedema, Albert Devries, Emily Huxter

12:00 – 1:00 PM Lunch Break

1:00 – 3:00 PM **Rassol Bahreini** – Mutations associated with the resistance to acaricides detected in Alberta populations of *Varroa destructor*
Erika Plettner – The new acaricide, 1-allyloxy-4-propoxybenzene, discovery and current studies on its mode of action
Robert Lu – Progress on Field Trials of a New Acaricidal Compound Against *Varroa destructor*
Emilio Tellarini Prieto – Effects of incremental doses of vaporized oxalic acid on honey bee workers and queens”
M. Fahim Raza – Comparison of *Varroa* mite and *Paenibacillus larvae* spore counts from bottom board debris of live and dead overwintered colonies in Saskatchewan
Samantha Muirhead – Canada and the *Tropilaelaps* mite, should we be concerned?
Liz Walsh – Mummies everywhere: Different stock responses to chalkbrood infection
Lynae Ovinge – How to kill your hives

3:00 – 3:30 PM Coffee Break (Posters in hall)

3:30 – 5:20 PM **Phyllis MacCallum** – Update to labour market information for the Canadian apiary sector
Curtis Rempel – Canola is good for bees, bees are good for canola – collaborating to maximize value for honey and canola
Melody Garner – Making Canada sweeter
Rob Currie – Assessing syrup quality. Does it matter what and when you feed your bees?
Chris Hiatt – AHPA and honey prices

5:20 – 5:50 PM **PANEL: IMPACTS OF HONEY FRAUD**
Moderator – Rod Scarlett
Panelists – Chris Hiatt, George Hansen, Kirk Wilson, Graham Strom

7:00 PM Banquet, Chrome Room – Guest Speaker – Jamie Macoun

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Saturday February 10, Sundance Ballroom



8:00 – 8:30 AM Registration & Presentation Upload

8:30 – 8:35 AM

Welcome – Rod Scarlett

8:35 – 9:30 AM

Andony Melathopoulos – Getting a little respect while making my honey crop (aka do growers underestimate the benefits of honey bees to canola crop?)
Jeff Pettis – The exotic world of beekeeping: new exotic threats like hornets and *Tropilaelaps mites*
Maggie Gill – National Bee Unit inspection program and Asian hornet prevention

9:30 – 10:00 AM

PANEL: WHAT SHOULD THE RELATIONSHIP BETWEEN THE CANADIAN AND US BEEKEEPING INDUSTRIES LOOK LIKE?
Moderator – Jeremy Olthof
Panelists – Chris Hiatt, George Hansen, Simon Lalonde

10:00 – 10:30 AM Coffee Break (Posters in hall)

10:30 AM – 12:00 PM

Jemma Todoschuk – Seasonal trends of *Vairimorpha (Nosema)* infection levels in honey bee colonies: A year-long study in Lethbridge, Alberta
Stephen Pernal – Intra-colony transmission of wax borne honey bee viruses following irradiation and storage
Heather Brocard-Bell – Tracking the evolution of viral titers in colony sub-populations throughout the season and in response to treatment with Formic Pro
Oleksii Obshta – Global surveillance for antibiotic-resistant *Paenibacillus larvae* in honey
Midhun Sebastian Jose – Does antibiotic therapy eliminate *Melissococcus plutonius* from adult bees?
Jerry Hayes – Confirmation bias

12:00 – 1:00 PM Lunch Break

1:00 – 1:30 PM

PANEL: CANADIAN STOCK ISSUES
Moderator – Rhéal Lafrenière
Panelists – Chris Bartel, Ryan Hicks, Reece Chandler, Kevin Nixon

1:30 – 2:30 PM

Liz Walsh – Hangry Bees: How pollen deprivation impacts honey bee aggression
Andony Melathopoulos – Are honey bees like chickens and native bees like polar bears?
Ana Maria Quiroga Arcila – Optimization of lowbush blueberry pollination and evaluation of honeybees and bumblebees health
Kim Menard – The Relationship between foraging activity and honeybee's structural population (*Apis mellifera* L.)

2:30 – 3:00 PM

PANEL: SOCIAL MEDIA AND COMMERCIAL BEEKEEPING
Moderator – Rhéal Lafrenière
Panelists – Rhéal Lafrenière, Amanda Goodman-Lee, Jerry Hayes, Ian Stepler

3:00 – 3:30 PM Coffee Break (Posters in hall)

3:30 – 4:00 PM

CAPA MSc Award Winner Leonard Foster of behalf of **Rhonda Thygesen** – Berry Sad Bees: Assessing Honey Bee Health Stressors in Highbush Blueberry With Proteomics
CAPA PhD Award Winner **Courtney MacInnis** – How honey bees respond to infection with *Vairimorpha (Nosema) ceranae* and *Lotmaria passim*

4:00 – 4:30 PM

Feature Beekeepers – Introduction by Ron Greidanus
Boyd Hicks, Golden Acres Honey Farms, NB
Murray Hannigan, Hannigan Honey, SK

4:30 – 4:35 PM Concluding Remarks – Rod Scarlett



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Scientific Posters in Hall	
Nuria Morfin , BC Technology Transfer Program	<i>Varroa destructor</i> and pathogens associated with colony losses in British Columbia
Pascal Brunner , Vatorex	Enhanced disease management of <i>Varroa</i> using heat treatment for honey bees
Marcelo P. Camilli , University of Saskatchewan	Exploring honey bee productivity in Saskatchewan landscapes
Thanuri L.K. Edirithilake , University of Saskatchewan	Effect of propolis against European Foulbrood Disease
Marina Carla Bezerra da Silva , University of Saskatchewan	From larva to adult: In vitro rearing protocol for honey bee (<i>Apis mellifera</i>) drones
Morgan M Cunningham , University of Victoria	Implementing machine learning algorithms to analyze the honey bee gut microbiome during the pollination season
Olav Reupell , University of Alberta	Causes and consequences of worker egg size variation
Isaac Weinberg , Dalan Animal Health	A <i>Paenibacillus larvae</i> vaccine demonstrates cross-protection against Deformed Wing Virus-B (DWV-B) in a commercial apiary