



Saskatchewan Beekeepers Development Commission

WELCOMES All Participants to the 2018 SBDC Annual Convention!

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2018 SBA Convention Agenda
All Presentation in Michelangelo Ballroom A
Unless otherwise noted on Agenda Listing

Please Note: Participants are responsible for their own breakfasts.

Thursday November 29th, 2018 9:00 a.m. – 5:00 p.m.

Time	Presentation
9:00	Simon Lalonde (SBDC president) Opening Remarks
9:05	Graham Parsons – What is a Pollinator Biosecurity Specialist Anyway
9:30	Hannah Neil - Adopt Project Report -Proposed projects for 2019
10:00	COFFEE BREAK
10:15	CFIA 2019 Changes Question & Answer
10:55	James Masucci – RNAI (Bayer)
11:30	Shawn Senko (Agronomy Specialist Canola Council of Canada) Natural Bee Space
12:00	Lunch
1:10	Propolis etc. Presentation – Emmanuel de France
1:15	Ian Stepler - Beekeeper's Profile "A day in the Life"
2:05	James Tansey (Provincial Insect Pest Management)
2:40	Kristy Huynh: Honey Report
3:00	Coffee Break
3:20	Dr. Sarah Wood – High environmental doses of thiamethoxam decrease overwinter survival of honey bees Dr. Ivanna Kozii – Reproduction fitness of queens exposed to thiamethoxan during development Dr. Colby Klein – Effects of thiamethoxam and seasonality on maturity Dr. Ivanna Kozii – Royal Problem: Are queens most sensitive caste to the effects of thiamethoxam during development Dr. Sarah Woods – In vitro effects of thiamethoxam and fungicides on honeybee brood and adults Dr. Elemir Simko – Antibiotics, American Foulbrood and Veterinary Medicine
5:20	Days Session Ends (on your own for supper)
8:00	Wine & Cheese- Social evening @ the Sponsor Display area

Friday November 30, 2017 9:00 a.m.

Time	Presentation
8:30	Geoff Wilson - Multiple Resistant, Resistant Mite
9:00	Ian Stepler - Pulling Honey
10:00	Coffee Break
10:20	Barbara Ziesman - Provincial Specialist, Plant Disease
10:50	<p>Hannah Neil – Exploring Prebiotic & Probiotic Feed Supplements for Honey Bees and their impact on Colony Health – Current ADF project report</p> <p>Dr. Igor Medici – Effects of Nosema infection and therapy on immunity of honey bees</p>
11:20	Bonita Hus - Farm Safety Presentation
12:00	Lunch
1:15	<p>SBDC AGM</p> <ul style="list-style-type: none"> Financial Presentation Year in review Directors Reports Elections Election Results Resolutions
2:30	Geoff Wilson (Saskatchewan Provincial Apiculture Specialist) Driftwatch Update
3:15	Coffee Break
3:40	<p>Bear Pit</p> <ul style="list-style-type: none"> Opening the Apiary's Act Rob Feeding Vet Involvement Penalties
5:00	Day's Session Ends (Banquet at 7:00 p.m.)
6:00	Happy Hour- Banquet at 7:00 p.m.

Saturday December 1, 2018 9:00 a.m.

Time	Presentation
9:00	Bio Security Training Introduction -
9:15	What is BioSecurity
9:45	Geoff Wilson – Where are the Biosecurity risks for bees?
10:30	Coffee Break
10:45	Graham Parsons – How can beekeepers deal with Biosecurity Issues
11:15	Roxy McLeod & Rob Brodner - AG Assurance Systems Programs – Producer Rebate
11:45	Roxy McLeod & Rob Brodner – Other upcoming programs from Saskatchewan Agriculture
12:00	CONVENTION ENDS

Presenters

(in alphabetical order)

Bonita Hus, BA, MEd: Bonita works in the Agricultural Health and Safety Network promoting health and safety education for Saskatchewan's rural communities based on the research at the Canadian Centre for Health and Safety in Agriculture. She grew up in rural Saskatchewan and successfully raised three children on a farm.

James D Masucci (Jim): I received my BS in Biology from MIT in 1986 and PhD in Molecular Biology from the University of Wisconsin – Madison in 1992. I joined Monsanto in 1997 after a Post Doctoral Fellowship at the University of Michigan. My first 5 years at Monsanto were in the Biotechnology organization, where I helped develop a system to more safely and cheaply produce hybrid corn. I moved to the Regulatory organization where I spent 10 years characterizing Biotech products for safety assessments. For the last 6 years I've been in the Chemistry organization developing BioDirect, which is the topical induction of the RNAi machinery. I was originally a hobbyist beekeeper and used that experience to transition to Monsanto's Bee Health Team (now Bayer) in 2014. I currently lead the field trial efforts to develop our BioDirect Varroa control product where I have had the pleasure to work with some of the best commercial beekeepers in North America. Today, I will talk about what we are learning from our field trials. I will talk about the effectiveness of a commercial treatment we are using as our positive control, how mite populations recover from this treatment, and the rate at which this treatment fails. I will introduce our new RNAi-based varroa control product and discuss how it works, what makes it a novel control product, and how it might fit into a varroa control management system.

Klein, Coby: Dr. Colby Klein is a graduate student studying Anatomic Pathology at the Western College of Veterinary Medicine where he received his degree in Veterinary Medicine. Before coming to the veterinary college, Colby graduated from the University of Regina with a combined degree in Biology and Biochemistry. Colby's primary research focus involves investigating the effects of neonicotinoid pesticides on the reproductive fitness of Honeybee drones.

Kozii, Ivanna: Dr. Ivanna Kozii is a Master of Science student in Veterinary Pathology at the Western College of Veterinary Medicine. She completed her DVM degree in 2014 in Ukraine. Her research focus is on reproductive pathology of honey bee queens exposed to neonicotinoids. She is now working on establishing outlines of normal histological structures of the mature and developing queen reproductive tract in order to use it as a baseline for her further work.

Hannah Neil: Hannah has been involved in the beekeeping industry for five years. Starting off at Howland's Honey, she learned the basics of beekeeping in addition to helping out with queen rearing, harvesting, farmers' markets and tours over three seasons. She then traveled to New Zealand where she worked in another commercial operation for eight months, learning the true irreplaceable value of her smoker.

Hannah has been working as the SBDC's Technical Adaptation Team (TAT) lead since March of 2016. Her time in this position has included field work and lab work, as well as numerous outreach events with NGO Ag in the Classroom, and teaching beekeeping courses in the province. She is currently the research lead for the SBDC's current, 3 year ADF research project, Exploring Prebiotic & Probiotic Feed Supplements for Honey Bees and their impact on Colony Health. Hannah is also the lead researcher for the SBDC ADOPT projects.

Presenters Continued:

Graham Parsons: Graham began beekeeping at an early age as the son of a commercial beekeeper. Following high school, he spent 7 months on the north Island of New Zealand working for a commercial beekeeper there. When he returned he decided to upgrade his education first with a diploma from SIAST, then a degree from the U of S and recently completed his Master thesis in honey bee disease and overwintering from the University of Manitoba. He was the SBA lead researcher for the Technology Adaptation Team from 2011 to 2016 and is currently working with Saskatchewan Agriculture as Pollinator Biosecurity Specialist. When not working Graham enjoys family time with his young daughter Maleah and wife Trista as well as cycling around their home in Prince Albert.

James Tansey is currently the Saskatchewan Provincial Entomologist (Insect/Pest Management Specialist) for the Ministry of Agriculture in Regina. Prior to this (November 2015-2018), he was the entomologist/research scientist with ALK Source Materials in Post Falls, ID, USA working in part on house dust mite biology and optimizing industrial production and allergen expression. He had the good fortune to secure two Postdoctoral fellowships: one with the University of Alberta (2009-2011) under Dr. Lloyd Dossdall and the second with the University of Florida IFAS (2014-2015) under Dr. Philip Stansly. The former involved researching the mechanisms of resistance of novel canola germplasm to cabbage root maggot. The latter involved contributing to the Citrus Health Management Areas (CHMA) program and researching insecticide resistance in, and cultural and chemical control of the Asian citrus psyllid. He was also a Regulatory Affairs Manager with Dow AgroSciences Canada Inc. in Calgary, Alberta.

James's doctoral research was conducted from 2006-2009 in the Department of Agricultural, Food and Nutritional Science at the University of Alberta, Edmonton in the Dossdall and Keddie labs. His doctoral dissertation "Mechanisms of cabbage seedpod weevil, *Ceutorhynchus obstrictus* (Coleoptera: Curculionidae), resistance associated with novel germplasm derived from *Sinapis alba* x *Brassica napus*" was nominated by the Department of Agricultural, Food and Nutritional Science for the Governor General Gold Medal Award. This work unravelled the sensory, gustatory and antibiosis mechanisms of resistance to a major insect pest, the cabbage seedpod weevil, in newly-developed canola germplasm.

His Master's work was conducted in the Department of Biological Sciences, University of Alberta under Andrew Keddie and Alec McClay from 1997-2001. His thesis "Leafy spurge (*Euphorbia* spp. near *esula*) variability and its effects upon *Aphthona nigriscutis* (Coleoptera: Chrysomelidae) feeding preferences and congregation behaviour" clarified some of the factors that influence interactions of the leafy spurge biological control agent with its host plant.

Senko, Shawn: Shawn started with the Canola Council of Canada in March 2011 as the Eastern Saskatchewan Agronomist. Prior to the Canola Council, Shawn worked in canola research and development, as well as the animal nutrition industry. His area of expertise is canola agronomy and equipment technology. Shawn is also currently involved in the family farm near Guernsey.

Presenters Continued:

Simko, Elemir: Dr. Elemir Simko is a professor in the Department of Veterinary Pathology at the Western College of Veterinary Medicine and he is involved in teaching, diagnostics and research. He is a Diplomate of American College of Veterinary Pathologists and received several teaching awards and a Pfizer Animal Health Award for Research Excellence. His research interest is in pathogenesis of infectious diseases of domestic animals. Recently, he established a Honey Bee Health research and teaching program at the Western College of Veterinary Medicine. His research group is developing histopathological procedures for evaluation of effects of neonicotinoids on honey bees.

husbandry issues. I am big believer in paying it forward which motivates me to share my successes and failures to others.

Steppler, Ian married to Sandy, father of five. I farm with my family near Miami, Manitoba Canada. We are third generation farmers started by my grandfather and carried on forward by my parents. Nearly 10 years ago, my three brothers, parents and I reconstructed the farm into a company and have ever since expanded into a large grain, cattle and beekeeping operation. We crop 3500 acres of land, calve 500 head of purebred Charolais cattle and manage a 1200 - 1500 hive apiary. Since I purchased my first 4 hives 19 years ago, I have dedicated my life passion towards beekeeping. I credit the current standing of my apiary to others on whom I have leaned on over the years to help guide me through many management, logistical and husbandry issues. I am a big believer in paying it forward which motivates me to share my successes and failures with others.

Wilson, Geoff: Geoff is a provincial specialist in apicultural, the study and management of honeybees, with the Saskatchewan Ministry of Agriculture. Beekeeping is an important industry in Saskatchewan. Not only is it important food source, but it also provides job opportunities and assists with natural cross pollination to increase yields. Geoff spends considerable time working with beekeepers to help them manage their hives and increase their profitability. He also manages the bee lab, which provides diagnostic testing for beekeepers so they can determine disease levels and best methods for dealing with them.

Geoff was raised in Ontario and often visits the farms that was operated by his grandparents and uncles, inspiring an interest in agriculture. He helped one of their neighbors with their hives and soon realized that apiculture was a sector to which he wanted to belong. He graduated from the University of Guelph with a Bachelor of Science Degree in Apiculture and followed that with a Master's Degree, focusing on honey bee genetics and diseases. After graduating, he worked as a beekeeper and owned a commercial beekeeping operation before moving to Saskatchewan.

It is not unusual to see Geoff in a producers' beeyards, conducting inspection on hives and counselling producers on the best production practices. He advises inspectors for crop insurance proposes and helps develop policies that govern the sector. Geoff is involved with federal organizations on various issues, including the registration of compounds for bee health and importation of bees to ensure they pose low disease and risk to domestic hives.

Presenters Continued:

Wilson, Geoff Continued.

The sector is relatively small across the country; Geoff says it's a close-knit community and everyone shares their experiences and best practices. He enjoys meeting new producers and providing advice to get them started, as well as promoting the benefits of honey bees to other agricultural producers. He makes presentations at various seminars to encourage new comers to the profession. He admits that he's been stung more than a few times, but that's all part of the memorable experiences.

Wood, Sarah: Dr. Sarah Wood is a veterinarian and a PhD student in the department of veterinary pathology at the Western College of Veterinary Medicine (WCVM) in Saskatoon, SK. Her research focuses on understanding the sublethal effects of neonicotinoids on developing worker honey bee brood for establishment of a safe dose range for neonicotinoid exposure. Sarah was the recipient of the 2016 Meriel Canada Graduate Award of Excellence in recognition of her leadership qualities and excellence in research. Sarah is proud to be a member of the enthusiastic WCVM honey bee research team, and she is excited to share her research findings with the Saskatchewan beekeeping community.

Ziesman, Barbara, Barb is the Provincial Plant Disease Specialist with the Ministry of Agriculture. She grew up near Edmonton, Alberta where she attended the University of Alberta and received PHD in Plant Pathology with focus on Sclerotinia system rot of canola. Barb moved to Regina in 2015 to begin her career with the Ministry of Agriculture and has been in the plant disease specialist role since May 2016.

Platinum Sponsors:



Propolis-etc... has carried a passion for beekeeping for 10 years. Our commitment to both hobbyists and professional beekeepers is to offer the greatest quality on the market and propose to North America the evolved science of beekeeping. Day after day, our team at Propolis-etc... dedicates in manufacturing woodenware and distributes more than 1500 items. We are now manufacturing and shipping from Winnipeg. Grateful and proud to be part of the 2017 SBDC Convention, we are looking forward meeting you at our booth. Come and see us, we'll be thrilled to serve you.

Gold Sponsors:



Manitoba Cooperative Honey Producers Ltd. The Bee Outfitters Supply stores in Winnipeg and Tisdale have been in operation for over 50 years. Our goal is to provide quality beekeeping supplies to all beekeepers, commercial and hobbyist.

We handle everything from hive tools, medicine, mite control, frames and supers, live package bees, queens plus much more.

Bee Outfitters take pride in ensuring our customer's satisfaction and we are committed to providing you with the highest level of service simply because our customers deserve the very best.

Fraser Auction Services Ltd. Is based out of Brandon MB. We have been working with the Beekeeping community helping you to market your operations and assets since the early 80's. We take pride in our relationship with your business and work very hard to stay up to-date with the industry and its diverse challenges and needs. We have conducted hundreds of apiary sales and are proud to serve Western Canadian Beekeepers. See what the buzz is all about at www.fraserauction.com



Tony Lalonde Sales PRT has been providing the beekeeping community with equipment that is essential for a beekeeper's success for nearly 20 years. We are dealers for Cowen Equipment, Hummerbee forklifts, Amish woodenware and Mahurangi frames, and we are a broker for Canadian honey. Whether a beekeeper has one hive or 5,000 hives we are proud to provide them with a quality product at a reasonable price. Our goal is your success.

Silver Sponsors Continued:



Mauser Packaging Solutions, formed by BWAY, Mauser Group, NCG and ICS, brings unparalleled packaging performance and innovation to redefine sustainability for customers. From new packaging made from recycled content, to reconditioning, reuse, recycling and professional disposal, we provide customized solutions that have a positive impact on businesses and the planet, bringing true sustainability at scale to companies all over the world.

Together we have over 300 years of combined experience, over 1,000 global patents, more than 180 sites around the world, and over 11,000 employees committed to helping companies like yours operate more sustainably and effectively.



Odem International Inc: Odem International's mission is to provide highly professional expertise in the bee products industry, with unparalleled transparency, strong relationship and ethical values.

ODEM is ensuring a strong link between honey producers and honey processors. Founded in 1989, ODEM has built a reputation of prioritizing its relationships and caring about the individual needs of its business partners.

Coffee Sponsor:

Tony Lalonde Sales PRT
Radisson Hotel

GENERAL INFORMATION:

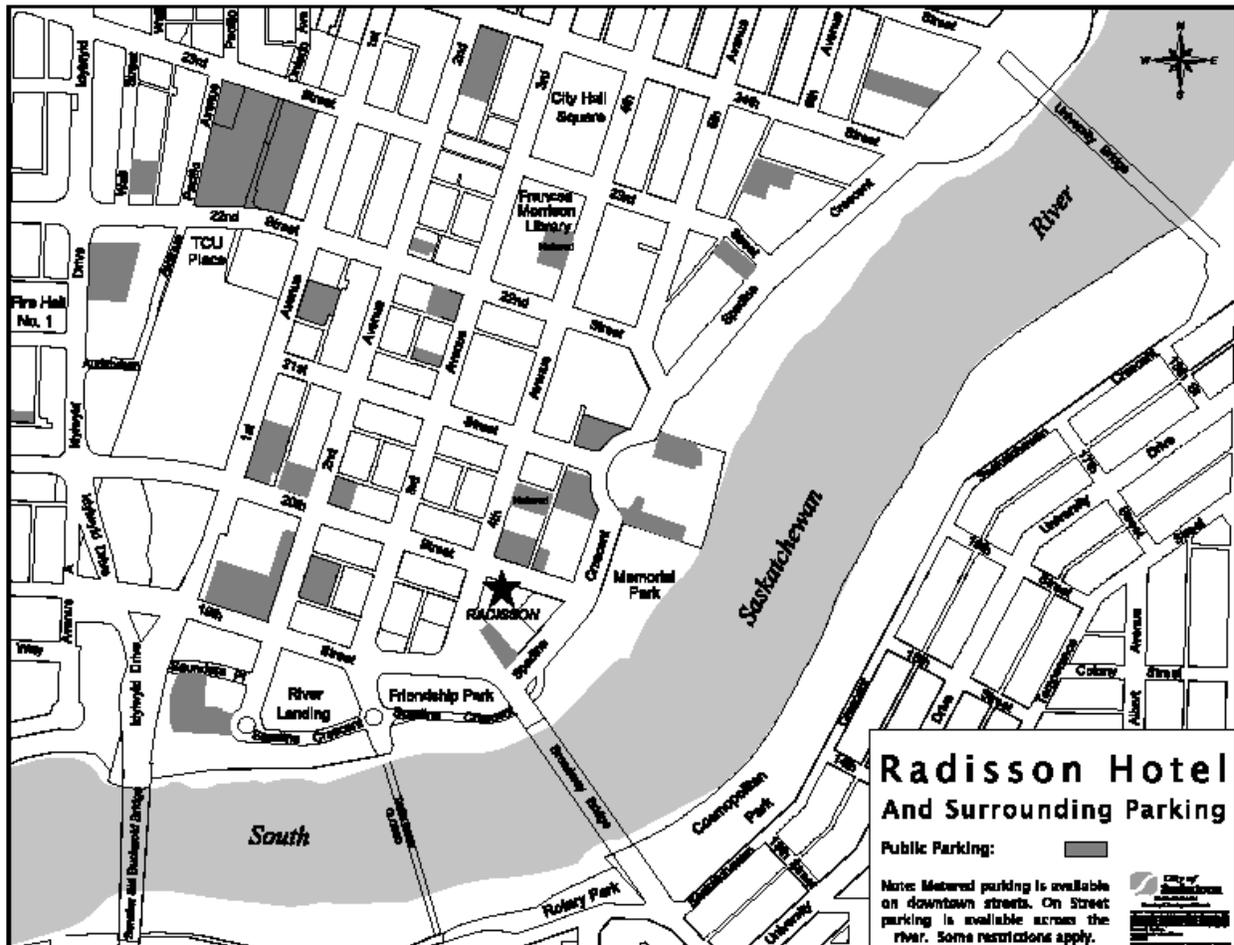
NAME TAG: Please wear your name tag at all times during the convention.

MEALS & EVENTS: You will be assigned a name tag and tickets for the various meals and events that you are entitled to with your registration (or have paid for as an 'add on'). The following ticket will be inserted in your name tag pocket:

COFFEE BREAKS: Your registration includes coffee breaks. You will find coffee and tea (and complimentary honey) on the main tables in the display area. Cold beverages are offered in several coolers in the display area - look around or ask a Board member to help you locate them. SBA thanks all coffee break sponsors for their support!

NEED MORE INFORMATION WHILE AT CONVENTION? Dave Gane the Board Convention Organizer. If Dave is unavailable, any Board member can help you or direct you to who can help you.

*****NEW***** Metered parking is now available in the Radisson parkade. See the diagram below for other parking options close to the Radisson.





Saskatchewan Beekeepers Development Commission

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2018 SBDC CONVENTION SURVEY

What were the best parts of convention?

What improvements could be made?

How was the food?

How was the hotel service?

Ideas for future conventions?

Other comments:

Please return to Dave Gane or mail back to the SBDC or return to reception

