



Saskatchewan Beekeepers Development Commission

WELCOMES **All Participants** **to the** **2017 SBDC Annual Convention!**

Contents:

- Convention Agenda
- Presenters Biographies
- Sponsors List and Descriptions
- Parking Information
- Survey

2017 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 30, 2017 9:00 a.m. – 5:00 p.m.

Time	Presentation
9:00	Simon Lalonde (SBDC president) Opening Remarks
9:05	IVANNA KOZII (U OF S) Reproductive effects of Neonicotinoids on Honey Bee Drones and Queens
9:25	SARAH WOOD (U OF S) Research update on effects of neonics on overwintering and honey bee development.
9:45	ELEMIR SIMKO (U OF S) WCVN Honey Bee Research And Teaching Program.
10:00	COFFEE BREAK
10:15	GEOFFREY WILLIAMS (Auburn University) Neonics And Bees: Broad Spectrum Agro Chemicals with Broad-Scale Non- Target Results
10:55	SVENJA BELAOUSSOFF Cost of Production Study
11:25	SHAWN SENKO (Agronomy Specialist Canola Council Of Canada) Relationships With Your Farmer And Beekeeper
11:40	
12:00	LUNCH
1:00	GEOFF WILSON (Saskatchewan Provincial Apiculturist Specialist) The Ever changing challenge - Dealing With Resistant Mites
2:00	TOM CONGDON Management Changes Due To Small Hive Beetle
3:00	COFFEE BREAK
3:15	ALESSIA GUTHRIE (University of Guelph) Identifying Risk Factors of Seasonal Colony Loss in Ontario; A Multifactorial Epidemiologic Approach.
3:45	GRAHAM PARSONS (Apiculture Intern) Demonstration Nosema Detection
4:20	KRISPIN GIVEN (Apiculture Specialist University of Purdue) Selecting For Behavioral Resistance To Varroa Destructor
5:00	DAY'S SESSION ENDS (ON YOUR OWN FOR SUPPER)
8:00	WINE AND CHEESE SOCIAL EVENING – SPONSOR DISPLAY AREA

Friday Dec 1 2017 9:00 a.m.	
Time	Presentation
9:00	MEDHAT NASR (Alberta Provincial Apiculturist) Of Bees and Beekeepers: Actions Count!!!!
10:00	COFFEE BREAK
10:20	COLLEEN ROONEY (Saskatchewan Crop Insurance Corp) Mortality Insurance
10:35	HANNAH NEIL- (ADOPT)
11:10	KRISPN GIVEN- Keynote Speaker (Apiculture Specialist University Of Purdue) Queen and Drone Reproductive Biology
12:00	LUNCH
1:00	GEOFF WILSON, WITH WENDY WILKINS (Saskatchewan Provincial Apiculture Specialist) - American Foulbrood: Managing in The Age Of Veterinary Oversight
2:00	COFFEE BREAK
2:20	SBDC AGM Financial Presentation Year in review Directors Reports Elections Election Results
5:00	DAYS SESSIONS END (BANQUET AT 7:00)
6:00	HAPPY HOUR- BANQUET AT 7:00

Saturday December 2 2017 9:00 a.m.	
Time	Presentation
9:00	GEOFF WILSON (Provincial Apiculturist's Report)
10:00	COFFEE BREAK
10:15	HANNAH NEIL (ADF)
10:45	KRISPN GIVEN-MAJOR SPEAKER (Apiculture Specialist University of Purdue) The Honey Bee Neonic Dilemma
11:20	Local Bee Clubs - What's happening locally (Tentative)
11:30	Graham Parsons – Beekeeping in the Modern Age: Maintaining Social License
12:00	CONVENTION ENDS

Presenters

(in alphabetical order)

Given, Krispn is Apiculture Specialist at Purdue University's Department of Entomology in West Lafayette Indiana. Krispn started keeping bees at the age of nine, His responsibilities include, maintaining the 120 research colonies, running the Purdue honey bee breeding program, teaching an annual queen rearing short course, managing the honey bee laboratory and extension activities. Krispn also teaches the instrumental insemination class each year at the university, annually gives lectures to beekeeper's and researchers around the country. His current research focus has been on selecting for behavioral resistance to *varroa Destructor* by selecting bees that chew the mites and grooming behaviors, virus tolerance. Krispn was instrumental in developing the new "mite-biter" bee strain that is generating much interest around the U.S. and Europe for beekeepers and breeders of honey bees. He has also been involved in several research projects the last fourteen years at Purdue, Krispn is author and co-author of numerous publications, including scientific and trade journal articles. Mr. Given has received numerous awards and honors. He is also in the process of developing an innovative instrumental insemination devise that breeders and researchers around the world will be able to use.

Guthrie, Alessia completed her BSC(H) in animal biology and MSc in Epidemiology at the University of Guelph. She is now pursuing her PHD in Epidemiology examining the Honey Bee Health and productivity in Ontario using multifactorial epidemiologic approach.

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.

Nasr, Medhat: Dr. Medhat E. Nasr is the Provincial Apiculturist at Alberta Agriculture and Forestry, Edmonton, Alberta, Canada. Dr. Nasr earned his B. Sc. and M. Sc. from Cairo University, Egypt. He earned his Ph. D. from University of California, Davis, California, USA in Entomology (Apiculture) in 1993. He developed the provincial apiculture program to meet beekeepers' challenges in Alberta, Canada. He established the Apiculture Research and Extension component for the first time in Alberta Agriculture. His research program is focused on breeding bees resistant to mites, developing integrated pest management program for honey bees, and developing alternative treatments for Varroa mites. He is authored several technical research reports, Bee Health App, and over 130 extension articles including recommendations for bee pest management practices in Alberta and a monthly article in Alberta Beekeeping Newsletter. Dr. Nasr is the recipient of several awards including Research and Technology Development Award of Excellence from Ontario Ministry of the Environment for Research in 1998, Distinguished Achievement Award in recognition of outstanding Service to beekeepers in Alberta In 2010, Fred Rathje Memorial Award in 2010, and Roger A. Morse award for Teaching - Extension – Regulatory Award in 2015. He earned life membership of Eastern Apiculture Society life membership, 1997. Life membership New Jersey Beekeeping Association, Ontario Beekeepers Association, and New Jersey Beekeeping Association. He also earned Alberta Agriculture Performance Excellence, one gold and two sliver awards for leading projects and initiatives to serve Alberta beekeeping industry.

Presenters Continued:

Neil, Hannah: 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.

She has been working as the SBDC's one-woman research team 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 in the process of applying for ADF and ADOPT funding for projects starting next spring.

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.

Dr. Geoff Williams Assistant Professor Insect Pollination & Apiculture, Department of Entomology & Plant Pathology Auburn University, Auburn, AL. Born and bred in Canada, Geoff experienced his first bee sting at the ripe age of 23. He has been hooked ever since. His graduate studies at Canada's Dalhousie University improved our understanding of the fungal parasite *Nosema ceranae*, and his post-doc work at Switzerland's University of Bern and Agroscope was the first to discern the potential damaging effects of neonicotinoids on honey bee reproduction. Now at Auburn University, Geoff represents the College of Agriculture's first ever faculty member that specializes in bee health. In addition to typical research and teaching duties, Geoff is an enthusiastic member of the honey bee research association COLOSS (www.coloss.org), acting both as an Executive Committee member and Vice President. He is also an Editorial Board Member of *Scientific Reports* and an Adjunct Professor at Chiang Mai University, Thailand.

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 neighbours 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.

Presenters Continued:

Geoff Wilson Continued:

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.

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 advise 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 Merial 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.

Gold Sponsors:

ApiHex is a young and dynamic beekeeping supplies company. We offer innovative products with exceptional quality and price to all range of beekeepers. ApiHex will be in 4 new locations by Spring of 2017 with its customer satisfaction based service; Guelph, Calgary, New York and Costa Rica.

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Medivet Pharmaceuticals Ltd. is an innovative, Canadian-owned, biotechnology company specializing in the development and production of unique products to ensure honey bee health. Our commercial line includes: a) Honey bee antibiotics; b) Parasitic mite acaricides; c) Bee management products. Medivet delivers innovative products for honey bee health. Medivet has set the standard for innovation, flexibility and reliability for honey bee health products. For more than 30 years Medivet has proudly served the beekeeping community.



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.



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.



Mann Lake Ltd. An employee-owned, full line beekeeping manufacturer and supplier all your beekeeping needs. **Four locations:** Minnesota, California, Texas, and Pennsylvania to choose from.

Silver Sponsors



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Central Life Sciences/Wellmark International Central Life Sciences / Wellmark International is a major contributor to integrated pest management in various agricultural, public and animal health sectors. They are the developer, manufacturer and marketer of a broad range of product

brands including Apistan®. Apistan® anti-varroa mite strips are an essential part of any varroa mite control program. Apistan® is tough on mites, gentle on bees and won't leave a residue in honey. A cost effective treatment for a full year's protection.

McCormick Canada (Billy Bee) Founded in 1958 as a small family operation, Billy Bee Honey has become Canada's favourite honey brand, sourcing honey from producers in Alberta, Saskatchewan and Manitoba. Billy Bee is proud and committed to supporting the Canadian honey industry, investing in bee research and offering 100% Canadian products. Earlier this year, Billy Bee celebrated the sweet similarities between honey bees and Canadians. Through analysis of the social behaviours present in a hive and in Canadian communities, Billy Bee crowned Regina, Saskatchewan as "Canada's Sweetest Town", donating \$10,000 to Grow Regina Community Gardens for bee-friendly gardening initiatives.



National Bee Diagnostic Centre: A state-of-the-art laboratory offering comprehensive diagnostic services to the Canadian beekeeping industry and the research community.

Great Western Containers is Canada's most complete source of industrial containers and packaging supplies. We manufacture steel, plastic and fibre drums and recondition IBCs, steel and plastic drums. We also distribute plastic pails, steel pails, metal cans, plastic bottles, glass bottles and various packaging accessories.

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Techtoba Inc is a design/manufacturing company that has developed commercial oxalic acid vaporizer, the VMelinator, featuring a temperature controlled chamber. Located in southern Manitoba, Techtoba is a family owned company with experience in beekeeping and engineering.
www.vmelinator.com

Api-Quip Canada: With delivered pricing throughout the West., Api-Quip Canada is an experienced manufacturer of woodenware and other beekeeping equipment as well as offering bulk supplies like containers, sugar and bee. All woodenware is commercial quality including study 7/8" boxes (9-5/8", 6-5/8" or 5-3/4" deep), heavy duty frames(1/2" tapered lugs, 3/8" end bars, 1/2" bottom bars), and other hive parts like tops, bottoms, inner covers, excluders, pollen traps, pallets, etc. Custom built and/or assembled, equipment also is available to better serve your needs. We look forward to chatting with you at the convention and also visiting beekeepers afterwards. John and Bill Craighead, Api-Quip Canada, info@api-quip.ca (office 450-248-3325)(Cell – 450-521-8628

Silver Sponsors Continued:

Hive Tracks: Hive Tracks provides technology solutions to assist beekeepers in maintaining healthy and productive colonies. Founded by beekeepers in 2010, Hive Tracks continuously works to provide easy to use and effective technology tools for the beekeeping community, from small scale backyard beekeepers to large commercial operations as well as researchers and honey bee education providers. ***Hive Tracks Commercial*** is a software solution for efficient management of commercial beekeeping operations and is comprised of a dedicated web application providing a dashboard and data management and reporting tools and mobile apps that support field level data collection and communication. Web and mobile technologies change frequently and Hive Tracks' ongoing goal is to develop the best possible software systems in the world to increase the profitability of beekeeping operations.



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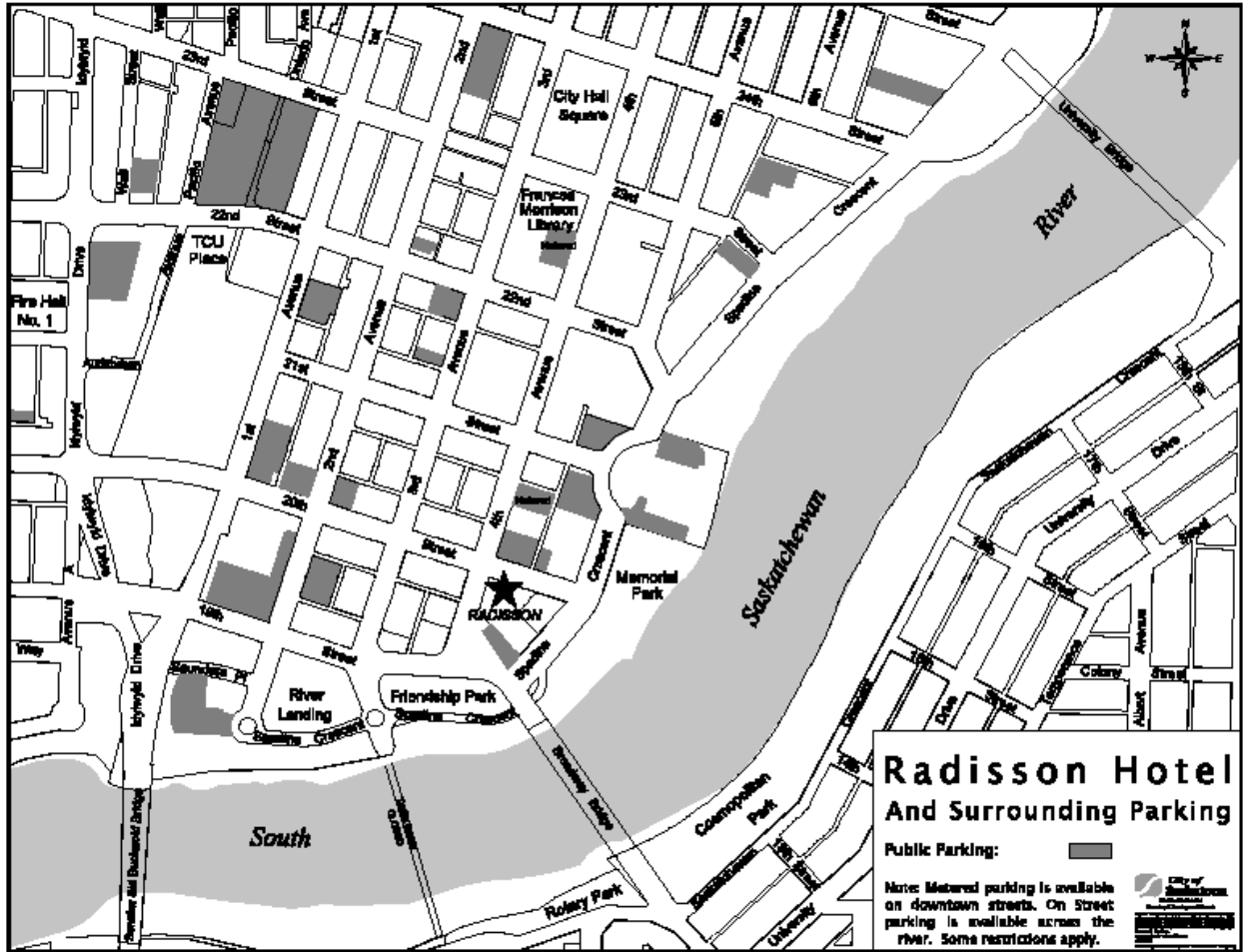
Diamond North Credit Union

Coffee Sponsor

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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

Box 22083 RPO Wildwood, Saskatoon, SK. S7H 5P1 (306) 715-4281)

sbdc@saskbeekeepers.com www.saskbeekeepers.com/devcomm

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.



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Box 22083 RPO Wildwood, Saskatoon, SK. S7H 5P1 (306) 715-4281

sbdc@saskbeekeepers.com www.saskbeekeepers.com/devcomm

2017 SBA 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

