



**Saskatchewan Beekeepers
Development Commission**

WELCOMES

All Participants

to the

2022 SBDC Annual Convention!

Contents:

- Convention Agenda
- Presenters Biographies
- Sponsors List and Descriptions

2022 SBDC Convention Agenda

All Presentation in Michelangelo Ballroom A

Thursday December 8, 2022	
Time	Presentation
8:00	Registration opens Coffee Sponsored by: Ridgedale Coop
9:00	Welcome – Nathan Wendell – SBDC President
9:05	Presentation by WCVM Honey Bee Health Research Lab Moderated by Dr. Sarah Wood & Dr. Elemir Simko
	<ol style="list-style-type: none"> 1. Emergence and spread of Oxytetracycline-Resistant <i>Paenibacillus larvae</i> across Saskatchewan- Oleksii Obshta and Michael Zabrodski 2. Development of Quantitative PCR Method for the Rapid Quantification of <i>Paenibacillus larvae</i> spores in pooled, extracted honey- Muhammad Fahim Raza 3. Are Adult Worker Bees Asymptomatic Carriers of European Foulbrood? – Midhun Sebastian Jose 4. Oxytetracycline, Tylosin, and Lincomycin can protect Honey Bee Larvae From Oxytetracycline-Resistant <i>Melissococcus plutonius</i> Isolates – Fatima Masood 5. What factors drive European Foulbrood Disease in Honey Bee Colonies pollinating blueberries? – Jenna Thebeau and Ivanna Kozii 6. Is Fumagillin-B effective against Nosema Ceranae colony infections after fall treatment? Insights of a one-year field study- Sarah Biganski
10:35	Coffee Break – Ridgedale Coop
11:00	Presentation by WCVM Honey Bee Health Research Lab (Cont'd)
	<ol style="list-style-type: none"> 7. Comprehensive investigation of pesticides in honey, pollen, bees and soil collected from canola fields in Saskatchewan- Marcelo Polizel Camilli and Sofia Markova 8. Histopathology as a risk assessment tool for Gonadotoxicity in honey bee drones- Marina Bezerra da Silva 9. Serving Saskatchewan Beekeepers as Research Chair in Pollinator Health– Sarah Wood
11:45	Insect issues in 2022 and forecasts for 2023 in Saskatchewan - Dr. James Tansey – Provincial Specialist -Insect/Pest, Government of Saskatchewan
12:15	Lunch
	Bee Health and Sustainability Session -1
1:15	Effects of Exposure to Agrochemicals During Development on the Reproductive Health of Honey Bee Queens and Drones. Dr. Juliana Rangel, Associate Professor of Apiculture, Department of Entomology, Texas A&M University, College Station, TX, USA
2:00	Queen Production in Saskatchewan: Quality Matters - Dr. Medhat Nasr and Breanne Leach SBDC Tech-Adaptation Program
2:30	Coffee Break - Sponsored by: Ridgedale Coop
3:00	Detective Dog Sniff Out Devastative Bee Disease. Cybil Preston. MD Dept. of Agriculture Plant Protection and Weed Management Section, Annapolis, MD. USA.
3:30	Saskatchewan Crop Insurance Corporation (SCIC) - Presentation and Q&A. Janelle Oshowy, PAg and Trishia Winslow. Saskatchewan Crop Insurance Corporation (SCIC). Government of Saskatchewan

Thursday December 8, 2022 Continued	
4:00	Storage and Wintering of Honey Bee Queens in Banks in Canada. Andrée Rousseau, Researcher at Centre de Recherche en Sciences Animales de Deschambault Deschambault, QC, Canada
4:30	What is the future of AFB and Antimicrobial resistance in Sk. Dr. Elemir Simko, Professor, Department of Veterinary Pathology, Western College of Veterinary Medicine (WCVM) U of S
5:00	Day Session Ends
8:00	Wine & Cheese Reception – Display area

Friday December 9, 2022 8:30 a.m.	
Time	Presentation
	Bee Health and Sustainability Session-2 Sponsored by ADOPT Program & Strategic Funds Projects
8:30	Foraging and Pollinating Abilities of Honey Bees – Graham Parsons – Pollinator Biosecurity Specialist, Government of Saskatchewan
9:00	Keynote Speaker: The Mind of a Bee. Dr. Lars Chittka, Professor in Sensory and Behavioural Ecology, School of Biological and Behavioural Sciences, Queen Mary, University of London, UK. UK
9:45	Dealing with Dead Outs: Drawn Combs are Gold. Dr. Meghan Milbrath, Assistant Professor, Department of Entomology, Department of Entomology College of Agriculture & Natural Resources, Michigan State University, East Lansing, MI, USA.
10:30	Coffee Break - Sponsored by: Vita Bee Health
11:00	Saskatchewan (SK) Honey Bee Health Plan: Enhancing Bee Best Management Practices for European Foulbrood (EFB) Disease. Dr. Medhat Nasr – SBDC Tech- Adaptation Program
11:30	Lessons Learned from Four Years of Research on Amitraz Resistance in Varroa Destructor. Dr Frank Rinkevich, Research Entomologist at the USDA-ARS Honey Bee Breeding, Genetics, and Physiology Laboratory in Baton Rouge LA, USA.
12:15	Lunch
1:15	Apivar (Amitraz) Resistance in Saskatchewan ----- Geoff Wilson – Provincial Specialist in Apiculture, Government of Saskatchewan, Prince Albert, SK
1:45	Registration to the AGM Coffee Break – Sponsored by: Ridgedale Coop
2:00	Annual General Meeting <ul style="list-style-type: none"> • Financial Presentation • Provincial Apiarist Report- Geoff Wilson – Provincial Specialist in Apiculture, Government of Saskatchewan, Prince Albert, SK • Director’s Report • Election • Election Results
4:30	Day Session Ends
6:30	Open Bar and Banquet

2022 SBDC Convention Agenda
All Presentation in Michelangelo Ballroom A

Saturday December 10, 2022 8:30 a.m.

Time	Topics and speakers
8:30	Biosecurity Course: Geoff Wilson and Graham Parson
10:00	Coffee Break – Bee Health Pharma
10:15	Amitraz Resistance and Varroa Management – Dr. Ulrike Marsky, Technical Manager of Vito Pharma - France
10:40	Bee Healthy Saskatchewan: The future of Varroa Control - Geoff Wilson
11:00	Keeping Healthy Bees – Open Discussion /Bear Pit (Bring your concerns and questions to the panel). Geoff, Sarah, Graham and Medhat
12:00	Day Session End - Have a Safe Trip Home

Speakers Bio

Keynote Speakers:



[Lars Chittka](#) is professor of sensory and behavioral ecology at Queen Mary University of London, where he founded a new Research Centre for Psychology in 2008 and was its scientific director until 2012. He is the author of [The Mind of a Bee](#) and is the coeditor of *Cognitive Ecology of Pollination*. He studied Biology in Berlin and completed his PhD studies under the supervision of Randolph Menzel in 1993. He has carried out extensive work on the behaviour, cognition and ecology of bumble bees and honey bees, and their interactions with flowers. His discoveries have made a substantial impact on the understanding of animal

intelligence and its neural-computational underpinnings. He has published over 250 peer-reviewed articles, and has been an editor of biology's foremost open access journal [PLoS Biology](#) since 2004. He is an elected Member of the German National Academy of Sciences (Leopoldina), a Fellow of the Linnean Society and Royal Entomological Society, as well as the Royal Society of Biology. (by: [Mia Funk is an artist](#), interviewer [Mia Funk is an artist](#), interviewer and founder of [The Creative Process & One Planet Podcast](#) (and founder of [The Creative Process](#) & [One Planet Podcast](#))



Juliana Rangel is an Associate Professor of Apiculture, Department of Entomology, Texas A&M University, College Station, TX

Ph. D. in Neurobiology and Behavior from Cornell University in Ithaca, NY, working with Dr. Tom Seeley. In January 2013, Juliana became Assistant Professor of Apiculture in the Department of Entomology at Texas A&M University. Her research program focuses on the biological and environmental factors that affect the reproductive quality of honey bee queens and drones, the behavioral ecology and population genetics of unmanaged honey bees, and the quality and diversity of

honey bee nutrition in a changing landscape. She is an active member of the Texas Beekeepers Association and has spoken to dozens of beekeeping associations across the USA and internationally. In 2021 she received the James I. Hambleton Memorial Award from the Eastern Apicultural Society, of North America to recognize research excellence in apiculture. She also received the 2020 John G. Thomas Award for Meritorious Service from the Texas Beekeepers Association. She received numerous awards from other organizations for her accomplishments. She was 2014 President and 2013 Vice-President of the American Association of Professional Apiculturists.

Speakers Bio. (Cont'd)



Dr. James Tansey, Provincial Specialist, Insect/Pest Management, Production Technology Crops and Irrigation Branch, Saskatchewan Ministry of Agriculture, Regina, SK. He earned both an M.Sc. and Ph.D. from the University of Alberta. His research has included aspects of leafy spurge biological control, mechanisms of cabbage seedpod weevil and cabbage root maggot resistance, and insecticide resistance in, and cultural and chemical control of the Asian citrus psyllid. His doctoral dissertation was nominated for the Governor General Gold Medal Award. He was also a Regulatory Affairs Manager with Dow AgroSciences Canada Inc. in Calgary, Alberta.



Dr. Meghan Milbrat, Assistant Professor, Department of Entomology, College of Agriculture & Natural Resources, Michigan State University, East Lansing, MI, USA. She is also a beekeeper and the coordinator of the Michigan Pollinator Initiative at Michigan State University. She performs pollinator related research and extension work, and works with beekeepers and stakeholders around the country. She started keeping bees over 20 years ago, and currently owns and manages a The Sand Hill apiaries, where she manages 150-200 colonies for queen rearing and nuc production.



Cybil Preston. MD Dept. of Agriculture Plant Protection and Weed Management Section, Annapolis, MD. USA. Cybil is the Chief Apiary Inspector of MD. She has the help of two four-legged friends that are well-trained in sniffing out AFB. One dog can inspect 100 beehives in just 20 minutes. In the same amount of time, a human inspector could only check about 1 hive. Mack and Tukka save the State of Maryland valuable time and resources. She is also responsible for training these dogs. Cybil trains the boys by hiding or throwing toys covered in AFB scent in different directions for the dogs to find. Associating scent detection with play is essential to their training.



Janelle Oshowy, PAg -Analyst, Research and Development, SCIC
Janelle grew up on farms and ranches in Montana and went to Washington State University in Pullman, WA graduating with a bachelor's in animal science. She moved to Canada in 2009 when she married her husband and started working for SCIC in 2010 in the Moosomin Customer Service Office as an adjuster and customer service representative. She started her career as a Research Analyst in the Research and Development division of SCIC in 2013. She works with several different programs including Unseeded Acreage, Contract Price Option, Grains Diversification, Wild Rice, Vegetables, Establishment Benefit, and new or special crops. She enjoys working with industry groups and producers to improve and develop new insurance programs. Janelle currently resides in Grenfell, SK where her husband works for a large grain and cattle producer.



Trishia Winslow – Manager of Verification for the AgriStability Division, SCIC

Trishia grew up on a mixed operation in Manitoba where her love of Agriculture (animals in particular) continued on through her roles as an Animal Protection Officer for the Province of Manitoba, and Animal Health Technologist. She moved to Saskatchewan in 2010 where she started her career with SCIC as a verifier in the AgriStability Division. She held a few different positions over the years within AgriStability and has been in her current role of Manger of Verification since 2020. In her spare time, which she has none of, she has been entertained as a mom of children in multiple sports and activities ranging from competitive kayaking, scout leader, to hockey and dance.

Speakers Bio. (Cont'd)



Andrée Rousseau, Researcher at the Centre de recherche en sciences animales de Deschambault (Qc). She completed a master degree in biology in 2013 at Laval University on the evolution of drone sperm production and quality during the Quebec beekeeping season. Since then, her research has focused on factors influencing queen's health and quality, improving production and availability of locally selected queens as well as the CRSAD/University of laval honeybee breeding program. Centre de Recherche en Sciences Animales de Deschambault Deschambault, QC, Canada



Mr. Geoff Wilson. Geoff is the Provincial Specialist, Apiculture in Saskatchewan and is based in Prince Albert. His primary roll is to help enhance the beekeeping industry in the province. A combination of working closely with beekeepers, and the rolls of regulation, extension and some research gives Geoff a unique insight to beekeeping issues in the province. Geoff earned his B. Sc. (Agriculture) and M. Sc. (Environmental Biology) from University of Guelph, ON.



Mr. Graham Parsons. Graham has been with Saskatchewan Agriculture since January 2016. He originally started as an Apiculture Intern and now is Saskatchewan's Pollinator Biosecurity Specialist. He deals with support of the honey bee industry through regulation, education and extension. As well he supports the alfalfa leafcutter beekeepers of the province. Other aspects of his work include pollination support for crop producers and habitat and management recommendations in support of managed and wild pollinators. Graham was the Lead Researcher for the SBDC from 2011 to 2015, as well as completing his Masters of Science in Entomology studying honey bee disease and overwintering at the University of Manitoba. Graham lives with his wife and two kids near Prince Albert Saskatchewan where he keeps a few honey bee colonies of his own.









Dr. Medhat Nasr, Saskatchewan Bee Tech Adoption Program Lead, Alberta Provincial Apiculturist (Retired). Medhat has spent decades developing alternatives for mite control (formic acid, Oxalic Acid, HopGuard² and Apivar[®]), managing miticide resistance, evaluating integrated pest management (IPM) programs, and breeding quality bees. Medhat was the president of CAPA from 2014-2018. He is a member of the Varroa Resistance and Treatment Team (VRTT) of the Honey Bee Health Coalition-USA. He received numerous awards for his contributions to apiculture in Canada and USA. Medhat earned his B. Sc. and M. Sc. (Entomology) from Cairo University, Egypt. He earned a Ph. D. in Entomology from University of California, Davis, US.


WCVM Honey Bee Health Research Lab



Dr. Elemir Simko, DVM, DVSc, ACVP, Professor, Department of Veterinary Pathology, Western College of Veterinary Medicine (WCVM), University of Saskatchewan.
Elemir obtained his DVM degree (1990) from the University of Belgrade (Yugoslavia) and Doctor of Veterinary Science degree (1998) from the Ontario Veterinary College, University of Guelph (Canada). Since 1998, he has been a faculty member in the Department of Veterinary Pathology, WCVM, involved in teaching, diagnostics and research. 6 years ago, he established a Honey Bee Health Research and Teaching Program at the WCVM. He has received three awards for teaching excellence and two awards for research excellence.

Speakers Bio. (Cont'd)- WCVM Honey Bee Health Research Lab

	<p>Dr. Sarah Wood, MSc, DVM, PhD, DACVP, Research Chair in Pollinator Health, Associate Professor, Department of Veterinary Pathology, Western College of Veterinary Medicine, University of Saskatchewan.</p> <p>Sarah is a co-foundress of the WCVM Honey Bee Health Research Lab. Sarah has worked as a small animal veterinarian and a diagnostic veterinary pathologist, and she is now thrilled to serve Saskatchewan beekeepers in her new role as the WCVM Research Chair in Pollinator Health. Her research interests include infectious disease and toxicology of honey bees and the role of pollinators in sustainable agriculture.</p>
	<p>Dr. Ivanna Kozii, DVM, PhD, Diagnostic Veterinary Anatomic Pathologist with Prairie Diagnostic Services Inc., University of Saskatchewan.</p> <p>Ivanna obtained her DVM degree (2014) from the Bila Tserkva National Agrarian University (Ukraine). She is a co-foundress of the WCVM Honey Bee Health Research Lab. During her PhD, Ivanna focused on reproductive toxicopathology in honey bees and the development of in-vivo (in-hive) experimental models.</p>
	<p>Michael Zabrodski, BSc, DVM, MSc, DACVP; Diagnostic Veterinary Anatomic Pathologist with Prairie Diagnostic Services Inc., University of Saskatchewan.</p> <p>Michael received his DVM from the University of Calgary in 2015 and spent several years in small animal practice before pursuing a MSc with Residency in Anatomic Pathology at the Western College of Veterinary Medicine in 2019. In May of 2022, Michael successfully defended his thesis on the surveillance and improved control of American foulbrood in Saskatchewan honey bees.</p>
	<p>Jenna Thebeau, DVM, MSc Student (with Residency), Department of Veterinary Pathology, Western College of Veterinary Medicine, University of Saskatchewan.</p> <p>Jenna received her DVM from the Atlantic Veterinary College, University of Prince Edward Island in 2020 and she is currently in the third year of her MSc program with Residency in Anatomic Pathology at the WCVM. Her MSc research focuses on European foulbrood disease in honey bees pollinating blueberries.</p>
	<p>Marina Bezerra da Silva, DVM, MSc Student, Department of Veterinary Pathology, Western College of Veterinary Medicine, University of Saskatchewan.</p> <p>Marina obtained her DVM from the University Federal of Uberlandia (Brazil) in 2019. Also, she did a residency in veterinary anatomic pathology at the University of Paulista State (UNESP) – Brazil in 2020 - 2021. Her MSc is focused on reproductive toxicopathology in honey bee drones.</p>
	<p>Fatima Masood, BSc, MSc Student, Department of Veterinary Microbiology, Western College of Veterinary Medicine, University of Saskatchewan.</p> <p>Fatima obtained a BSc degree in Immunology and Microbiology at the University of Saskatchewan in 2021. Her MSc is focused on European foulbrood, specifically antimicrobial resistance and whole genome analysis of <i>Melissococcus plutonius</i></p>

Speakers Bio. (Cont'd)- WCVM Honey Bee Health Research Lab	
	<p>Oleksii Obshta, DVM, MSc Student, Department of Veterinary Pathology, Western College of Veterinary Medicine, University of Saskatchewan.</p> <p>Oleksii obtained his DVM from the Bila Tserkva National Agrarian University (Ukraine) in 2020. His MSc is focused on American foulbrood, specifically antimicrobial resistance and whole genome analysis of <i>Paenibacillus larvae</i> and molecular epidemiology.</p>
	<p>Sofiia Markova (National University of Life and Environmental Sciences of Ukraine), Mitacs Globalink Research Intern, Department of Veterinary Pathology, Western College of Veterinary Medicine, University of Saskatchewan</p> <p>Sofiia is in her last year of a 6-year veterinary program in Kyiv, Ukraine and her specialization will be "Veterinary hygiene, sanitation and expertise." During her Mitacs Globalink Research Internship in the honey bee health research lab she is performing research about EFB and wild pollinator diversity in SK.</p>
	<p>Dr. Marcelo Polizel Camilli, MSc, PhD, Postdoctoral Fellow, Department of Veterinary Pathology, Western College of Veterinary Medicine, University of Saskatchewan.</p> <p>Marcelo obtained his MSc and PhD in Animal Sciences at São Paulo State University, Brazil, where he studied Africanized honey bee nutrition. Currently, his research focuses on pesticides, honey bee health and surveillance of wild pollinator diversity.</p>
	<p>Dr. Midhun Sebastian Jose, MSc, PhD, Postdoctoral Fellow, Department of Veterinary Pathology, Western College of Veterinary Medicine, University of Saskatchewan.</p> <p>Midhun obtained his MSc from the Central University of Kerala, India, and Ph.D. from Mahatma Gandhi University, India. Midhun's research expertise is in Microbiology, Probiotics, and bacterial diseases. Her current research is focused on the persistence, pathogenesis, and prevention of European Foulbrood caused by <i>Melissococcus plutonius</i>.</p>
	<p>Dr. Muhammad Fahim Raza, PhD, Postdoctoral fellow, Department of Veterinary Pathology, Western College of Veterinary Medicine, University of Saskatchewan.</p> <p>Fahim received his PhD degree (2020) in entomology from Huazhong Agricultural university, Wuhan China. His research expertise includes the role of gut symbionts in insect resistance mechanisms, sterile insect technique, and bacteriology. He joined the honey bee health research lab in December 2021. His current research focuses on the development of enhanced detection of American foulbrood spores in honey.</p>
	<p>Dr. Sarah Biganski, MSc, PhD, Postdoctoral Fellow, Department of Veterinary Pathology, Western College of Veterinary Medicine, University of Saskatchewan.</p> <p>Sarah obtained her MSc from the Martin-Luther University, Germany, and PhD from the Julius Kuehn-Institut, Germany. Sarah's research expertise is in insect pathology and ecology, and microbial & biological control. Her current research is focused on pathogenesis and prevention of <i>Nosema ceranae</i> and <i>Nosema apis</i> in Saskatchewan.</p>

Platinum 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.

Gold Sponsors:



Ridgedale Co-op was founded in 1940 is a different kind of business – we're truly local. Your local Co-op was built by you and built for you. Each Co-op in Western Canada is independent, so it offers the products and services needed by the communities it serves."



Vita Bee Health (Canada) is a mite control and honeybee health specialist. It is the world's largest dedicated supplier of honey bee health products to the honey and pollination industries.

With a rigorous and ethical approach to research and development into honeybee health, Vita has no commercial interests in crop pesticides or crop breeding that may be harmful to honeybees.

With headquarters in the UK, offices in Italy, Canada, USA and Russia, partners across the globe, Vita researches, develops, and manufactures a range of honeybee health products. These products are marketed internationally through a network of 60 distributors in 50 countries.

Gold Sponsors Continued:



Based in Fredericton New Brunswick, Andermatt Canada Inc. is a member of the Andermatt Global Group of Companies. Andermatt Canada Inc. manufactures and distributes biological and environmentally safe solutions for the Canadian Apiary, Agricultural and Forestry markets.

In our Apiary portfolio, Andermatt offers established products such as THYMOVAR, VARROX, VARROX EDDY plus the FAM and LIEBEIG Dispensers for formic acid application. All products offer beekeepers the tools to manage varroa mite in their hives. THYMOVAR provides a long lasting effect while being recognized as a safe product on queens. The new VARROX EDDY brings lithium technology and improved applicator safety to the oxalic acid vaporization method.

For more information look us up at www.andermttcanada.com or email us at info@andermttcanada.ca. Also check out our products on YouTube.



Véto-pharma is a French pharmaceutical laboratory dedicated to honey bees that develops, produces and markets a range of varroa mite treatments and products for honey bee health.

Thanks to its team of passionate experts committed to working daily to safeguard the future of the beekeeping industry, Véto-pharma has become a world leader in honey bee health. Over the past 5 years, faced with new challenges and problems, Véto-pharma has intensified its research and development to identify new active substances to combat the main parasites of colonies, *Varroa destructor*.

Silver Sponsor:

Joe's Wax Works



is a full service wax rendering company. We render all types from cappings to frames and slumgum. We will also buy wax at competitive prices.

Contact: Joe Edwards 306-873-1463



commitment to both hobbyists and professionals 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.

Silver Sponsors Continued:



Joan's Beeswax Candles is located on my farm 2 km north of downtown Hague, SK. I have worked with beeswax since 2010. I apprenticed with a former beeswax candle maker for one year before buying the business July, 2011. I am a juried member of the Saskatchewan Craft Council. I am proud to say I purchase only Saskatchewan beeswax, directly from the beekeeper. - Gwen Fehr. (Gwen supplies the gift baskets for the SBA convention presenters and fills the air with that heavenly beeswax aroma in the display area!)



Dancing Bee Equipment - is your one stop shop for all your beekeeping and candle making supplies. As Canada's largest beekeeping supply manufacture and retailer, all of our woodenware is 100% Canadian made. Our experienced staff provide best practice recommendations and a level of customer service you won't find any where else.'



Information management is now a critical component for business operators in today's demanding farming environment. We have found there is a direct connection between good business management and bee colony health. Through partnering with industry, MyApiary has custom-built and refined a software management platform specifically for commercial beekeepers. This has led to the development of world-leading hive management practices today.

MyApiary's platform now facilitates behavioural change in many beekeeping operations, improving organisational communication and increasing productivity by helping beekeepers make informed, data-driven decisions. Enabling beekeepers to run effect sustainable business, ensuring the future of our global food production ecosystem.

About our Company:

This year marks a noteworthy milestone at NOD Apiary Products Ltd. – 25 years committed to honey bee health and animal wellness. NOD Apiary Products is a



Canadian company formed in 1997 by beekeepers in Canada that strives to bring the most sustainable, convenient, and effective honey bee health products to the global marketplace. Manufacturing organic, sustainable miticides, we help combat the honey bee's biggest threat: devastating Varroa mites. Come talk to us about Formic Pro, Mite Away Quick Strips and our Bee Cozy Winter Wraps.

Silver Sponsors Continued:



SolutionBee delivers the highest quality beehive monitoring systems in the industry. Our reliable user friendly solutions enables both hobbyist and commercial beekeepers alike to optimize beekeeping operations. Our dedicated support team stands ready to assist in the set-up, maintenance and use of the system to ensure you realize the maximum value from your investment.



Bee Health Pharma is a pharmaceutical company dedicated to develop, produce and market products to control varroa mites and other honey bee pests and diseases. All of our products are based on science and they are tested in the field. We are committed to deliver products that are reliable and friendly for users. Our Company is located in St Alberta, Alberta, Canada.

One of the first products introduced to the market is the Oxalic acid applicator **X-Var**. This applicator has controlled temperature to reduce any breakdown of the oxalic acid and ensure delivering the proper dose to kill mites in bee colonies. Bee Health Pharma also produces the oxalic acid **X-Var** tables (1g/tablet) to use in the applicator to apply the recommended proper dose to bee colonies. These tablets are easy and safe to handle.

For more information, please call: 780-916-9385