

IN-SERVICE TRAINING

DECEMBER 2, 2025

| DELTA SOUTH CONFERENCE CENTRE, EDMONTON

The Association of Alberta Agricultural Fieldmen
Hosted by the Northeast Region



WELCOME,

On behalf of the Northeast Region of the AAAP

We are excited to host another year of In-Service Training at the Delta Hotel and Conference Center in Edmonton. On Tuesday December 2, we welcome our valued partners to join us on Industry Day, an opportunity to procure Pesticide Applicator Credits, learn and network.

This handbook was created to help guide you through the event. Included in the handbook are:

- Daily Agenda and Challenge
- Presentation Descriptions and Speaker Bios
- Our Proud Sponsors

Thank you for attending, we look forward to having you!

PESTICIDE APPLICATOR CREDITS

6 credits have been approved for Industry Day including Professionalism, Human Health, Regulations, General Information, and Application Technology!

Class Key:
A - All Classes
Ag - Agriculture
I - Industrial
F - Forestry
L - Landscape
Ae- Aerial

Delegates must be present to sign credit sheets.

EVALUATIONS

We value your feedback! Evaluations are crucial to ensure the continued success of In-Service Training into future years. We appreciate you taking a few minutes to complete an evaluation for the day.

DAILY CHALLENGE

One of the best parts of the conference is the networking opportunities and bonds forged with peers from across Alberta! You will find a challenge on the agenda page for each day of the conference. Daily ballots can be picked up and entered into the draw at the registration desk. *Prize draws will be made following the final presenter daily.*



YOUR HOSTS OF THE NE REGION



Working for a better agricultural industry across Alberta, Canada
aaaf.ab.ca



IN-SERVICE TRAINING

TUESDAY DECEMBER 2ND, 2025

INDUSTRY DAY

- 7:00am – 8:15am **Breakfast**
- 8:15am – 8:30am **Announcements, National Anthem & Opening Remarks**
Presented by: MC - Nathanael Berg, AAAF President
Stephen Bevans
- 8:30am – 9:30am **Pesticide Exposure and Risk in the Workplace**
Presented By: Emily Carpenter, Health Canada
Credit: Human Health and Pesticide Safety (1) A
- 9:30am – 10:30am **Overview of Selective Application Technology**
Presented By: Bill Wilt, PD Solutions
Credit: Application Technology (1) Ag, I, F, L
- 10:30am – 11:00am **Break**
- 11:00am – 12:00pm **Aerial Application: When and Where to Incorporate it into your Spray Program**
Presented By: Corey Lange, Wetaskiwin Aerial Applicators
Credit: Application Technology (1) Ag, Ae
- 12:00pm – 1:00pm **Lunch Break**
- 1:00pm – 2:00pm **Using Emotional Intelligence to Promote Conflict Resolution**
Presented By: Dr. Hayley Hesseln, eiAdvantage
Credit: Professionalism (1) A
- 2:00pm – 3:00pm **Decoding Herbicide Modes of Action: Best Practices for Resistance Prevention**
Presented By: Dr. Rory Degenhardt, Corteva
Credit: General Information (1) A
- 3:00pm – 3:15pm **Break**
- 3:15pm – 4:15pm **A Closer Look at Important Regulatory Updates**
Presented By: Tanya Rushcall, AB Environment & Protected Areas
Credit: Regulations (1) A



Visit **6** tradeshow booths. Write the vendor name on the ballot card and have them initial beside it. Enter it into the draw to win a prize.

Thank you to our industry partners for joining us today!





IN-SERVICE TRAINING PRESENTERS

TUESDAY DECEMBER 2ND, 2025

INDUSTRY DAY

Emily Carpenter, Regulatory Compliance and Enforcement Officer, Health Canada

Emily Carpenter is a Regional Pesticide Compliance and Enforcement Officer with Health Canada's Pesticide Compliance Program. Health Canada's Pesticide Compliance Program (PCP) is responsible for promoting, monitoring, and enforcing compliance with the Pest Control Products Act (PCPA). She works with all levels of the pesticide industry, from manufacturers to end-users, to promote safe pesticide practices and reduce the risk of pesticide misuse. Prior to joining the compliance team, she worked as a scientific evaluator with Health Canada's Pest Management Regulatory Agency (PMRA) and research assistant at the University of British Columbia School of Occupational & Environmental Health.

Pesticide Exposure and Risk in the Workplace

This presentation provides an overview of how Health Canada assesses occupational exposure to pesticides and the health risks. Emily will discuss ways Health Canada aims to reduce workplace exposure with specific requirements on pesticide labels including personal protective equipment (PPE), restricted entry intervals (REIs) and precautions. It will also highlight how factors such as gender and age may alter exposure and risk.

Bill Wilt, Free Wing Industries Ltd.

Bill has 40+ years of experience in the vegetation management industry and has been researching and developing IPM solutions for rough-terrain-complex-vegetation management. Field scale application equipment was developed. This has led to working with specialists in the National Research Council, the Centre for Research and Innovation, the University of Alberta Mechanical Engineering Department, and other specialized Industry consultants.

Overview of Selective Application Technology

This presentation will raise awareness of the emerging "Selective-Application" technology and the tremendous significance and influence that recent technological advances may exert on the entire industry.

Corey Lange, Wetaskiwin Aerial Applicators Ltd.

Corey Lange, owner/operator of Wetaskiwin Aerial Applicators, has been a professional aerial applicator for 18 years. He holds both commercial helicopter and fixed-wing pilot licences, as well as an Aircraft Maintenance Engineer licence. Corey is a recognized spray calibration analyst in Alberta and active member of the Canadian Aerial Applicators Association and the National Agricultural Aviation Association. Wetaskiwin Aerial Applicators operates 5 airplanes and 3 helicopters specializing in aerial application operations, including dry spreading and liquid spraying. Their main focus is agriculture aerial application, but they have extensive experience with forestry applications as well. Corey is also a training pilot, teaching aerial application in their 2 seat Air Tractor 504's and Bell 206 Helicopters, both in house and 3rd party. Wetaskiwin Aerial Applicators was started in 1981 with Corey and his wife, Hope, buying the business in 2019.

Aerial Application: When and Where to Incorporate it into your Spray Program

In this session Corey will explain and describe the various aspects of aerial application. Both helicopters and airplanes will be discussed along with their similarities, differences, capabilities, pros and cons. There will be content on GPS guidance systems, auto-booms, precision mapping (GIS), data capabilities and recording, nozzle types and where they are utilized, various spray pump options, loading systems, flow control systems and other aerial related hardware and technology. We will dive into the science of droplet size and spectrum and how speed, boom pressure and nozzle design affects such. In this presentation we will examine coverage, water volume and efficacy. Weather conditions affecting spray operations will be analyzed as well.



IN-SERVICE TRAINING PRESENTERS

INDUSTRY DAY

TUESDAY DECEMBER 2ND, 2025

Dr. Hayley Hessel, eiAdvantage

Hayley Hessel is co-founder of eiADVANTAGE, which provides coaching and training based on the foundation of emotional intelligence. She is an economist and Department Head of Agricultural and Resource Economics at the University of Saskatchewan with extensive experience working with students across the Circumpolar North. Hayley is a Certified Master Trainer in Emotional Intelligence, with Multi Health Systems Inc., an alumnus of the Royal Roads University Executive Coaching program in Victoria, BC, Canada, and a Member of the International Coaching Federation. She was honoured to receive the Master Teacher Award at the University of Saskatchewan in 2017 and the Medal of Bravery from the Governor General of Canada.

Using Emotional Intelligence to Promote Conflict Resolution

Conflict is inevitable in human interactions, but emotional intelligence (EI) can be a powerful tool for managing and resolving disputes effectively. This presentation explores how EI—composed of self-awareness, self-regulation, motivation, empathy, and social skills—enhances conflict resolution by fostering understanding, reducing emotional escalation, and promoting collaborative problem-solving. Effective conflict resolution begins with self-awareness and recognizing one's emotional triggers and biases. Self-regulation helps individuals manage their emotions and respond thoughtfully rather than reactively. Motivation plays a role in maintaining a constructive mindset and encouraging persistence in finding mutually beneficial solutions. Empathy is crucial in understanding others' perspectives, de-escalating tension, and building trust. Lastly, strong social skills—such as active listening, assertive communication, and negotiation—allow individuals to navigate conflicts with diplomacy and respect.

Dr. Rory Degenhardt, Corteva

Dr. Rory Degenhardt is the Integrated Field Sciences Leader for the Canada and US Northern Crops teams at Corteva Agriscience. Rory and his team are responsible for developing new crop protection technologies to meet the evolving needs of farmers and consumers. Rory grew up on a mixed grain and cattle farm in east-central Alberta and has always been passionate about agricultural science. He holds a BSc in Biological Sciences and an MSc in Plant Science from the University of Alberta, and a PhD in Plant Molecular Biology from the University of Saskatchewan. Rory joined Corteva in 2008 as a field scientist, became the Cereal Herbicide Biology Team Leader for Canada in 2011, and assumed his current role in 2017. He has extensive e

Decoding Herbicide Modes of Action: Best Practices for Resistance Prevention

This presentation delves into the essential aspects of herbicides, their modes of action, and the implications for managing herbicide resistance. Herbicides are vital tools in modern agriculture, offering high efficiency, cost-effectiveness, and environmental benefits such as reduced soil erosion and greenhouse gas emissions. The presentation covers the classification of herbicides based on their mode of action, including ACCase inhibitors, ALS inhibitors, synthetic auxins, and HPPD inhibitors, among others. It highlights the importance of understanding these modes of action to effectively manage resistance.

Tanya Rushcall, AB Environment & Protected Areas

Tanya Rushcall, is a local Albertan with a B.Sc. in biology from the University of Alberta and a background in all things aquatic. Tanya has been with the Government of Alberta for 15 years, first working in fisheries management and aquatic invasive species management. Tanya is a certified pesticide applicator in fish and aquatic invertebrates and aquatic vegetation. Her interest in pest management led her to her current role as the Provincial Pesticide Approvals and Registration Specialist.

A Closer Look at Important Regulatory Updates

This session will cover Alberta's Environment and Protected Areas recent updates to the Environmental Code of Practice for Pesticides and changes to regulatory reporting. This presentation will also highlight updates on water monitoring and enforcement activities.

**Thank
-YOU-**

Thank you to everyone that make's In-Service Training possible! The NE Region of the AAAF extends their appreciation to the Delta South Conference Center for their hospitality and services, the knowledgeable presenters, generous sponsors and wonderful attendees for making this event a success!