



## LEARNING STATIONS & SPEAKERS

### Stand Establishment

Speakers: Autumn Barnes (Canola Council of Canada), Murray Hartman (Alberta Agriculture & Forestry), Kristina Polzeihn (Axiom Agronomy), Twyla Jones (Nutrien Ag Solutions), Greg Semach (Agriculture & Agri-Food Canada), Hiroshi Kubota (Agriculture & Agri-Food Canada), Sheldon Toews (BASF Canada), Andre Lacoursiere (2nd Opinion Consulting Inc)

Learn about:

- What canola plant densities should I target and why?
- How do I deal with very low or very high TSW (thousand seed weight)?
- How do I use the Canola Stand Calculators?

### Seeding Implements

Speakers: Larry Michielsen (Agriculture & Agri-Food Canada), Dane Froese (Manitoba Agriculture), Lewis Baarda (Farming Smarter), Darren Feitsma (Farmer), Josh Lubach (Farmer)

Learn about:

- What implements are best for seeding canola?
- What should I consider when shopping for a new seeding implement?
- What are the pros and cons of planting canola with a vacuum planter?

### Dormancy and Seed Banks

Speakers: Rob Gulden (University of Manitoba), Charles Geddes (Agriculture & Agri-Food Canada), Caroline Brown (Agriculture & Agri-Food Canada), Louis Molnar (Agriculture & Agri-Food Canada)

Learn about:

- What causes seed dormancy?
- What is the difference between primary and secondary seed dormancy?
- How long can weed seeds remain dormant in zero-till soil?

### Harvest Weed Seed Management

Speakers: Breanne Tidemann (Alberta Agriculture & Agri-Food Canada), John Kirsch (Prairie Agricultural Machinery Institute), Jennifer Zuidhof (Agriculture & Agri-Food Canada), Tyler Dies (Prairie Agricultural Machinery Institute)

Learn about:

- How well does the Harrington Seed Destructor control weeds in Canada?
- What other harvest weed seed control options are available?
- What integrated mill systems are on the market?

## Harvest Losses & Aids

Speakers: Shawn Senko (Canola Council of Canada), Joel McDonald (Engineer), Daryl Tuck (Farmer), Kevin Bender (Farmer), plus combines and technicians from John Deere, Case IH, New Holland

Learn about:

- How do I measure header vs separator losses?
- How can I transition to straight cutting on my farm?
- What are the best options for speeding up harvest?

## Cleavers & Cleavers Management

Speakers: Ian Epp (Canola Council of Canada), Harry Brook (Alberta Agriculture & Forestry), Chris Neeser (Alberta Agriculture & Forestry), Leighton Blashko (BASF Canada), Andrea De Roo (South Country Equipment), Nolan Kowalchuk (FMC Agricultural Solutions), Erin Matlock (Gowan Canada)

Learn about:

- How do I enhance cleavers control?
- What is the harm in having cleavers in canola samples?
- I have group 2 resistant cleavers: What are my options?

## Herbicide Injury

Speakers: Keith Gabert (Canola Council of Canada), Robert Blackshaw (Agriculture & Agri-Food Canada, retired), Bruce MacKinnon (BASF Canada), Sonia Matichuk (FMC Agricultural Solutions), Sterling Mitchell (Syngenta Canada)

Learn about:

- What is the difference between carryover injury and drift injury?
- What are the conditions that cause greater herbicide carryover?
- What do I look for when assessing herbicide injury?

## Sprayer Tank Cleanout & Drift

Speakers: Tom Wolf (Agrimetrix Research & Training)

Learn About:

- Which environmental conditions are most prone to herbicide drift?
- What is the minimum required cleanout effort to eliminate risk of tank contamination?
- Which product formulations are most at risk for tank contamination and drift?

## Fertility

Speakers: Warren Ward (Canola Council of Canada), Patrick Mooleki (Agriculture & Agri-Food Canada), Jack Payne (Federated Co-Op Ltd), Norm Flore (Nutrien Ag Solutions), Dale Fedoruk (Elite Environmental Ltd), Tom Jensen (Down to Earth Labs), Kelly Boles (Centre Field Solutions Ltd.)

Learn About:

- How can I safely fertilize for top yield with a single-shoot drill?
- What is the best form of Phosphate for my farm?
- What is the difference in safe rates of liquid fertilizer compared to dry?

## Genetics & Seed Production

Speakers: Raymond Gadua (Canola Council of Canada), Dale Burns (Bayer CropScience), Chris Nish (Bayer CropScience), Andrew Wall (BASF Canada), Taylor Lenaour (Hytech Production Ltd)

Learn about:

- How long does it take for a new trait to be developed and introduced to commercial fields?
- What is the role of bees in seed production?
- How is hybrid canola seed grown?

## Ecosystems Services

Speakers: Paul Galpern (University of Calgary), Samuel Robinson (University of Calgary), Ralph Cartar (University of Calgary), Laurel Thompson (Lakeland College), Paul Hoekstra (Syngenta Canada)

Learn about:

- What value does shelterbelts, tree bluffs, fencelines, and wetlands have
- What do pollinators contribute to canola yield?
- Which pollinator species live in non-crop areas?

## Soil Conservation

Speakers: Gregory Sekulic (Canola Council of Canada), George Clayton (Agriculture & Agri-Food Canada, retired), Marla Riekman (Manitoba Agriculture), Monika Gorzelak (Agriculture & Agri-Food Canada), Karli Reimer (Soil Conservation Council of Canada)

Learn about:

- What is the state of soil health in Canada?
- What is the effect of high-speed discing on soil?
- How can I conserve soil and water, on my farm?

## Flea Beetles & Flea Beetle Management

Speakers: Hector Carcamo (Agriculture & Agri-Food Canada), Julie Soroka (Agriculture & Agri-Food Canada), Patty Reid (Agriculture & Agri-Food Canada), Mark Cutts (Alberta Agriculture & Forestry), Sunil Shivananjappa (Agriculture & Agri-Food Canada)

Learn about:

- What is the economic threshold for flea beetles damage?
- Why are striped flea beetles becoming such a problem?
- What are the best options for flea beetle management?

## Beneficial Insects

Speakers: Jennifer Otani (Agriculture & Agri-Food Canada), Scott Meers (Alberta Agriculture & Forestry), Sherrie Benson (University of Alberta Botanic Garden), Amanda Jorgensen (Agriculture & Agri-Food Canada), Meghan Vankosky (Agriculture & Agri-Food Canada), Jim Tansey (Saskatchewan Ministry of Agriculture), Lee Townsend (TPLR Honey Farms Ltd.), plus the team of junior entomologists

Learn about:

- What role do natural enemies play in pest management?
- How many natural enemies do I have in my fields?
- How can I maximize the amount of beneficial insects on my fields?

## **Sclerotinia**

Kelly Turkington (Agriculture & Agri-Food Canada), Mike Harding (Alberta Agriculture & Forestry), Erl Svendsen (Agriculture & Agri-Food Canada), Noryne Rauhala (Agriculture & Agri-Food Canada), Trevor Blois (20/20 Seed Labs), Erin McDougall (Bayer Crop Science), Nicole Philp (Corteva AgriScience), Luis del Rio (North Dakota State University), Susie Li (InnoTech Alberta), Eleanor McBain (University of Alberta), Jackie Bussan (Agriculture & Agri-Food Canada)

Learn about:

- What role does rotation play in disease severity?
- How can I assess my risk of sclerotinia?
- What is the potential yield damage from sclerotinia and how can I mitigate loss?

## **Clubroot**

Speakers: Dan Orchard (Canola Council of Canada), Stephen Strelkov (University of Alberta), Sheau-Fang Hwang (University of Alberta), Bruce Gossen (Agriculture & Agri-Food Canada), Mary Ruth McDonald (University of Guelph), Brittany Hennig (University of Alberta), Aaron Van Beers (Leduc County), John Guelly (Alberta Canola), Krista Zuzak (Alberta Agriculture & Forestry), Barb Ziesman (Saskatchewan Ministry of Agriculture), Leonardo Galindo (University of Alberta), Venkata Chapara (North Dakota State University), Tanya Warren (Alberta Agriculture and Forestry), Doug Penney (Retired Soil Scientist), Qixing Zhou (Alberta Agriculture & Forestry), Alian Sarkes (Alberta Agriculture & Forestry), Heather Tso (University of Alberta)

Learn about:

- What roles do crop rotation and R varieties play in disease severity?
- What can I do to reduce my risk of getting clubroot?
- I have clubroot on my farm. What do I do now?

## **Blackleg**

Speakers: Justine Cornelsen (Canola Council of Canada), Ralph Lange (InnoTech Alberta), Nick Larkan (Armatus Genetics Inc), Arvel Lawson (Bayer), Matthew Bernard (Saskatchewan Ministry of Agriculture)

Learn about:

- What role does rotation play in disease severity?
- What is the potential yield loss from blackleg?
- How can I manage blackleg levels on my farm?

## **Pulse Agronomy**

Speakers: Nevin Rosaassen (Alberta Pulse Growers), Jenn Walker (Alberta Pulse Growers), Robyne Bowness-Davidson (Alberta Agriculture & Forestry), Allison Ammeter (Pulse Canada), John Kowalchuk (Alberta Pulse Growers), Kelisha Archer (Alberta Pulse Growers)

Learn about:

- Which pulses are suitable to grow in my area and what are the most important agronomic considerations when growing pulses?
- Which pests should I be concerned about when growing pulses and how can I manage them?
- How can I diagnose and manage herbicide injury in pulses?

## Winter Wheat Agronomy

Speakers: Monica Klaas (Western Winter Wheat Initiative), Rob Graf (Agriculture & Agri-Food Canada)

Learn about:

- Which winter crops are suitable to grow in my area?
- What are the most important agronomic considerations when growing winter wheat?
- How do fall seeded crops fit into sustainable cropping scenarios?

## Wheat Agronomy

Speakers: Jeremy Boychyn (Alberta Wheat & Barley), Brian Kennedy (Alberta Wheat & Barley), Janine Paly (Alberta Wheat Commission), Brian Beres (Agriculture & Agri-Food Canada)

Learn about:

- What is the optimum soil temperature for seeding wheat?
- What are the roles of seed treatment in wheat establishment?
- What plant densities should I choose for my wheat crops?

## Drones & Imagery

Speakers: Robin Harrison (LandView Drones), Adrian Moens (AJM Seeds)

Learn about:

- What are the benefits of using aerial imagery in crop production?
- What are the limitations of using aerial imagery in crop production?
- How do I choose between all the options for UAVs and imagery?

## Market Access/Keep it Clean

Speakers: Ian Epp (Canola Council of Canada), Crystal Klippenstein (Canola Council of Canada), Ward Toma (Alberta Canola), Jay Whetter (Canola Council of Canada) Leanne Fischbuch (Alberta Pulse Growers)

Learn about:

- What are MRLs and why are they important?
- What are some of the more pressing market access priorities right now?
- What is 'Keep it Clean' all about?

## Canola & Consumers

Speakers: Brooke Hames (Alberta Canola) and Ali Stadnyk (Alberta Canola)

Learn about:

- What are the benefits of canola in my diet?
- How is canola seed crushed?
- What resources are available for parents and teachers?

## Team Alberta: Policy

Speakers: Karla Bergstrom (Alberta Canola), Shannon Sereda (Alberta Wheat & Barley), Sam Green (Alberta Wheat & Barley), Jaron Penner (Alberta Wheat & Barley), Nevin Rosaassen (Alberta Pulse)

Learn about:

- Who is Team Alberta?
- How does Team Alberta provide input on policy to governments and advocate on behalf of Alberta farmers?
- Research, Trade, Transportation, Sustainability are some of Team Alberta's top priorities – how does working together help farmers be more successful?

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## **Farm Safety**

Speakers: Kaylee Waldner (AgSafe Alberta), Shannon Lyons (AgSafe Alberta)

Learn about:

- Do Alberta's farm safety rules apply to my farm?
- Does everyone need PPE? What is it?
- How do I get started with building a safety plan for my farm?

## **Canola Grading**

Speakers: Veronique Barthet (Canadian Grain Commission), Scott Kippin (Canadian Grain Commission), Romeo Honorio (Canadian Grain Commission)

Learn about:

- How is canola dockage assessed?
- What is distinctly green?
- What is the free harvest sample program?

## **SCHEDULED EVENTS**

### **Canola Watch Live with Real Agriculture**

Join Co-hosts Jay Whetter and Shaun Haney in the big tent for 30 minute panel discussions with canolaPALOOZA expert speakers on these topics:

- 10:00 - 10:30 Stand Establishment
- 10:45- 11:15 Weed Management
- 1:00 – 1:30 Nutrient Management
- 1:45 – 2:15 Insect Management
- 2:30 – 3:00 Sclerotinia Management

### **Tillage Effects Demonstrations**

Demonstrations at the South end of the site at 11:00am and 2:00pm