



October 27 – 29 | COAST Canmore Hotel & Conference Centre, Canmore AB



## AGENDA

### OBJECTIVE

In the *Art of Tracking*, Louis Liebenberg states that tracking is directly related to the origin of scientific thinking. Tracking requires systematic and speculative reasoning, developing the neural pathways that would lead to the evolution of creative science. Nowhere is this process more evident than in the modern day art of tracking crops: guiding innovation through discovery and expanding the agricultural landscape: making sense of the past to work in the present and to shape the future!

The overarching purpose of the Canola Discovery Forum is to track and explore canola production from the grassroot level to global markets. Critical dialogue will help set research priorities and through this collaborative effort, inspire private sector technology companies to seek innovative solutions that can be brought to market.

The Canola Discovery Forum champions the big topics that require innovative solutions and pushes the needle in terms of profitability and sustainability. This is a meeting where the canola industry can work together to increase efficiency and to capture opportunities.

### AGENDA

**Tuesday, October 27, 2015**

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|----------------|---|
| 7:30 – 8:30 am | <b>Registration and Breakfast</b>   |
| 8:30 – 8:40 am | <b>WELCOME</b><br><i>Meeting Chair: Brian Chorney, Chair, Crop Production and Innovation Committee, Canola Council of Canada; Secretary, Manitoba Canola Growers Association</i>  |
| 8:40 – 9:00 am | <b>GROWER DIRECTED RESEARCH SESSION</b><br><i>Daryl Tuck, Region 4 Director, Alberta Canola Producers Commission (ACPC)</i><br><b>ACPC research projects that are having an influence at the farm level.</b><br><i>Wayne Truman, Director, SaskCanola</i><br><b>SaskCanola research projects that are having an influence at the farm level.</b>  |
| 9:00– 10:45 am | <b>“PLANT ESTABLISHMENT” PILLAR PANEL</b><br><i>Justine Cornelsen, Agronomy Specialist, Alberta South, Canola Council of Canada – Overview; 2015 Review and BMPs</i><br><b>Focus: Two limiting factors to good plant establishment in 2015 - Moisture and Machines.</b><br><br><i>Dr. K. Neil Harker, Research Scientist, Weed Ecology and Crop Management, Agriculture and Agri-Food Canada</i><br><b>Soil moisture trumps all factors for good stand establishment.</b> |

*Dr. Sally Vail, Research Scientist, Oilseed Breeding, Agriculture and Agri-Food Canada*

**Soil conditions and secondary dormancy.**

*Craig Shaw, Grower, Durango Farms*

**The relationship between seeding tools and stand establishment.**

*Owen Kinch, Field Research Manager, SeedMaster*

**Setting a drill for success.**

**Q & A** What plant establishment factors keep you from generating increased productivity and profitability?

10:45 – 11:00 am **Health Break**

11:00 am – 12:15 pm **“FERTILITY MANAGEMENT” PILLAR PANEL**

*Warren Ward, Agronomy Specialist, Southeast Saskatchewan, Canola Council of Canada – Overview; 2015 Review and BMPs*

**Focus: Relationship between N rate and yield, quality and profit. A look at the 4 R’s with regard to timing, in crop, fall placement and seed placement.**

*Dr. Ross McKenzie, Ag Consultant, McKenzie Ag Consulting*

**Developing fertilizer recommendations for canola.**

*Terry Aberhart, Grower, Aberhart Farms Inc. and Agri-Coach, Owner - Sure Growth Technologies Inc.*

**Variable rate fertility musings from the Canadian Prairies.**

**Q & A** Identify the gaps in fertility management that keep you from generating increased productivity and profitability

12:15 – 1:00 pm **Lunch**

1:00 – 2:45 pm **“INTEGRATED PEST MANAGEMENT” PILLAR PANEL**

*Keith Gabert, Agronomy Specialist, Central Alberta South, Canola Council of Canada - Overview; 2015 Review and BMPs*

**Focus: Best management practices: early detection and response to new pests in your field.**

*Ralph Lange, Program Leader, Feedstock Development & Microbial Products, Alberta Innovates Technology Futures*

**Stewardship of a precious resource: is durable resistance to canola diseases still possible?**

*Dr. Mario Tenuta, Soil Science and Soil Ecology, University of Manitoba*

**Verticillium wilt update.**

*Dr. Héctor A. Cárcamo, Research Scientist, Insect Pest Management, Agriculture and Agri-Food Canada, Lethbridge, Alberta*

**The economic threshold concept with reference to the management of lygus bugs in canola. (Coauthor: Jennifer Otani, Pest Management Biologist, Agriculture and Agri-Food Canada, Beaverlodge, Alberta)**

*Renn Breitzkreuz, Region 6 Director, Alberta Canola Producers Commission*

**A grower perspective on integrated pest management.**

**Q & A** What is the biggest threat to your canola crop?

- 2:45 – 3:00 pm           **Health Break**
- 3:00 – 4:30 pm           **“HARVEST MANAGEMENT” PILLAR PANEL**  
*Angela Brackenreed, Agronomy Specialist, Manitoba, Canola Council of Canada*  
*– Overview; 2015 Review and BMPs*  
**Focus: Logistics of harvest loss management. What can be done to put another bushel into the bin: shatter pod resistance and equipment.**
- Nathan Gregg, Project Manager – Applied Agricultural Services, Prairie Agricultural Machinery Institute (PAMI)*  
**A comparative study on harvesting equipment for direct-cutting canola.**  
*Kevin Serfas, Grower, Serfas Farms Ltd.*  
**Keeping ahead of the harvest curve when the curve is straight up.**  
*James Humphris, Manager Oilseed Crops – Herbicides & Trait Agreement, Bayer CropScience Canada*  
**Straight cutting canola: The new normal.**
- Q & A** What are the biggest challenges in harvest management?
- 4:30 – 4:45 pm           **CLOSING REMARKS**  
*Dr. Curtis Rempel, Vice President Crop Production & Innovation, Canola Council of Canada*
- 5:00 – 6:00 pm           **WELCOME RECEPTION**

## **AGENDA**

**Wednesday, October 28, 2015**

### **OBJECTIVE**

The Canola Council of Canada agronomy program, through a sustained unified approach with grower groups, research and industry continues to contribute to the agricultural extension mechanism.

- 7:30 – 8:15 am           **Registration and Breakfast**
- 8:15 – 8:40 am           **CANOLA DISCOVERY FORUM – GROWING MOMENTUM**  
*Dr. Curtis Rempel, Vice President, Crop Production and Innovation, Canola Council of Canada*  
**Includes an update on the Canola Research Hub.**
- 8:40 – 9:20 am           **CANOLA IN THE MARKETPLACE**  
*Lisa Campbell, Oil Nutrition Research Manager, Canola Council of Canada*  
**Focus: Canola oil and meal research: What does the consumer want?**
- Peter Entz, Assistant Vice President, Seed & Traits, Richardson International Limited*  
**New opportunities in canola oil and meal markets, and lessons learned from the oat sector.**  
**Discussion**

- 9:20 – 10:20 am **BIG DATA – EVERY ACRE IS A POTENTIAL RESEARCH ACRE**  
*Nicole Philp, Agronomy Specialist, Southwest Saskatchewan, Canola Council of Canada*  
**Focus: How to collect accurate farm data, and how to use that to leverage “big data.” UCC results.**
- Tom Staples, Director, Echelon with Crop Production Services*  
**The collection and use of machine-logged farm data from multiple farms.**  
*Warren Bills, Business Development – Digital Farm, Bayer CropScience Canada*  
**The Digital Farming Landscape.**  
**Discussion**
- 10:20 – 10:30 am **Health Break**
- 10:30 – 11:30 am **2015 UN International Year of Soil  
SOIL LANDSCAPE AND VARIABLE RATE TECHNOLOGY**  
*Ian Epp, Agronomy Specialist, Northwest Saskatchewan, Canola Council of Canada*  
**Focus: Why do soils produce variable yields? This is the first step in managing VRT that we need to know more about.**
- Dr. Mario Tenuta, Soil Science and Soil Ecology, University of Manitoba*  
**Variation in canola and crop responses to nutrient additions.**  
*Dr. Chantal Hamel, Research Scientist, Agriculture and Agri-Food Canada*  
**Current research on canola microbiome in Western Canada. (Coauthors: Chih-Ying Lay, U de Montréal; Neil Harker, AAFC; Ramona Mohr, AAFC and Marc-St-Arnaud, U de Montréal )**  
*Colin Cameron, Precision Agronomist, Point Forward Solutions.*  
**Managing soil variability is key to profitability.**  
**Discussion**
- 11:30 am – 12:15 pm **PRECISION AG – EQUIPMENT UAV's**  
*Shawn Senko, Agronomy Specialist, Northeast Saskatchewan, Canola Council of Canada*  
**Focus: What are the practical applications of drones? What are the limitations – identify gaps.**
- Dr. Chris Neeser, Research Scientist, Weeds, Pest Surveillance Branch, Alberta Agriculture and Rural Development*  
**UAVs for field scouting.**  
*Camille Baillargeon, Grower, Camcar Enterprises/Baillargeon Farms, North Battleford*  
**The use of UAV's and the application of images to field data.**  
**Discussion**
- 12:15 – 1:00 pm **Lunch**

1:00 – 2:30 pm

## **CANOVISION – INNOVATION AND EXPANDING FRONTIERS**

### **Discovery Task Force Panelists**

*Moderator: Jay Whetter, Communications Manager, Canola Digest Editor,  
Canola Watch Editor, Canola Council of Canada*

*Ray Garnett, Consultant, Agro Climatic Consulting*

***Determinants of summer weather extremes over the Canadian Prairies:  
Implications for long lead grain forecasting.*** (Co-author: Dr. M.L. Khandekar)

*Dr. Jim Radtke, Vice President, Product Development, Cibus*

***The use of precision gene editing to develop new non-transgenic traits  
in canola.***

*Murray Hartman, Provincial Oilseed Specialist, Alberta Agriculture and Rural  
Development, Lacombe AB*

***Two BIG things that need to change by 2025.***

*Bernie McClean, Grower, Director, SaskCanola*

***On-farm trials.***

*Ryan Adams, Manager, Agronomic Services, Northern Alberta Division, Crop  
Production Services Canada*

***Integrating technology, data sources and agronomics to maximize canola  
crop production.***

*Desmond Ballance, Senior Project Manager, LIFELEARN*

***Information is just information...unless it inspires action.***

*Dr. Wilf Keller, President and CEO, Ag-West Bio Inc., President GCIRC*

***Public research institutions and the growth of Canada's canola industry.***

2:30 – 2:45 pm

### **Health Break**

2:45 – 3:30 pm

### **CANOVISION – DISCOVERY FORCE TASK PANEL Q&A**

*Moderator: Jay Whetter, Communications Manager, Canola Digest Editor,  
Canola Watch Editor, Canola Council of Canada*

#### **Two Questions:**

What are the greatest challenges facing canola growers today?

What are the biggest opportunities for canola growers today?

3:30 - 3:45 pm

Panel Wrap-up

3:45 – 4:00 pm

### **CLOSING REMARKS**

*Dr. Curtis Rempel, Vice President, Crop Production and Innovation, Canola  
Council of Canada*

4:00 – 6:00 pm

**Grower Group Meeting (By Invitation Only)**

5:00 - 7:00 pm

### **Grizzly Paw Brewery Tour**

Groups of 25 will take a 45-50 minute tour; staggered start times.

## **AGENDA**

**Thursday, October 29, 2015**

7:30 – 9:00 am            **GCAT Meeting** (By Invitation Only)

7:30 – 9:00 am            **Blackleg Steering Committee Meeting** (By Invitation Only)

### ***Concurrent Workshops:***

<b>Pollinator and Beneficial Insects Workshoppe</b> <b>8:30 am – 2:00 pm</b>	<b>Canola Performance Trial Workshop</b> <b>8:30 am – 2:00 pm</b>	<b>Clubroot Workshop</b> <b>8:30 am – 2:00 pm</b>
<p><i>Gregory Sekulic, Agronomy Specialist, Peace, Canola Council of Canada</i></p> <p><b>Objective:</b> To get agriculture and entomologists involved in pollinator research that provides meaningful data. To develop protocols and methodologies for bee research projects.</p> <p>Includes breakfast and lunch followed by a session wrap-up.</p>	<p><i>Taryn Dickson, Resource Manager, Crop Production &amp; Innovation, Canola Council of Canada</i></p> <p><b>Objective:</b> To determine the role of an independent third party evaluator: an industry and grower perspective for the future.</p> <p>Includes breakfast and lunch followed by a session wrap-up.</p>	<p><i>Dan Orchard, Agronomy Specialist, Central Alberta North, Canola Council of Canada</i></p> <p><b>Objective:</b> To provide a summary of past research projects, an update of current and upcoming research projects, and update from the Clubroot Steering Group including goals and objectives, a discussion on prioritizing future research projects and communication of extension material to producers.</p> <p>Includes breakfast and lunch followed by a session wrap-up.</p>