

FarmSmart Expo

Thursday, July 13th, 2017

Elora Research Station University of Guelph,
6182 2nd Line, Elora

FarmSmart Expo provides progressive, leading edge, hands-on field stations that examine current issues in crop production, to advance farm operations.

Topics this year

1. Soil Health Interpretive Centre Initiatives and New Research Platforms
2. A Close Look At Tillage Erosion
3. Understanding Soils and the Tools that Enhance that Understanding
4. Western Bean Cutworm Identification, Scouting and Management
5. Exploring Organic Amendment Options for Row Crop Farming
6. Glyphosate resistant fleabane, cover crops and yield loss.
7. P & K Management Options for Optimizing Crop Production and Environmental Protection
8. Understanding the Implications of Sprayer Tank Cleanout Shortcomings and their Impacts

Certified Crop Advisor (CCA) Continuing Education

Timetable

- 8:30 Registration opens
- 9:10 Introductions
- 9:30 Start of first session
- 12:00 Lunch (provided by Alma Ladies)
- 4:30 Have a safe trip home

Cost (Pre-registration encouraged)

OSCIA members! \$80

Non-members \$115

(includes 1 year membership)

Students \$40

WALK IN RATE \$115 (no membership benefit)

Discounted Rate deadline:
Monday, July 10th, 2017.

Keeping in Touch



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Details and registration: www.farmsmartconference.com or call 1-877-424-1300

Soil Health Interpretive Centre Initiatives and New Research Platforms (SW 0.5)

Presenter: Claudia Wagner-Riddle, UG

Diverse cropping systems result in healthy, more productive soils and can provide improved environmental benefits. Learn why this is the case and how these benefits are being assessed at a new soil lysimeter research platform dedicated to the study of soil health.

A Close Look At Tillage Erosion (SW 0.5)

Presenters: Anne Verhallen, Ben Rosser, OMAFRA

A close look at Tillage erosion will look at various tillage implements and the implications for tillage erosion through a demonstration of tillage action and soil movement.

Understanding Soils and the Tools that Enhance that Understanding (SW 0.5)

Presenters: Asim Biswas, UG, Daniel Saurette OMAFRA

Daniel is one of the lead people in the Ontario Soils Strategy and will discuss the how, why, where and when of the paths that the soil strategy should take us and why this is important to us individually and communally. Asim is the newest professor in the Soils group in the School of Environmental Science at Guelph. He brings a strong soils and precision agriculture background to Ontario and will work with Daniel to show us how remote sensing opportunities will help us manage production and environment better in the future.

Western Bean Cutworm Identification, Scouting and Management (PM 0.5)

Presenter: Art Schaafsma, UG

Hone your scouting skills and learn about new trapping technology and important management strategies.

Exploring Organic Amendment Options for Row Crop Farming (NM 0.5)

Presenters: Chris Brown and Brian Dickson, OMAFRA

No one disputes the benefits of organic amendments but without livestock on most grain crop farms, people feel they must rely solely on commercial fertilizer. However, beyond your own or your neighbours livestock, options for organic amendments exist that we should be taking advantage of. This session will discuss what those various options are, how to access them and what they can add to your production system short and long term. Chris and Brian will share experiences with manure vs digestate and various forms of other biosolid type options.

Glyphosate resistant fleabane, cover crops and yield loss. (PM 0.5)

Presenters: Clarence Swanton and Francois Tardif, UG

In this presentation we will present our most recent findings on the impact of fall tillage, and fall and spring applied herbicides for control of glyphosate resistant Canada Fleabane. In addition, the first year of results from this study have suggested that Canada Fleabane can be effectively controlled with fall planted rye as a cover crop. The management of cover crops and the potential for a cover crop to act as a weed and reduce crop yields will be discussed.

P & K Management Options for Optimizing Crop Production and Environmental Protection (NM 0.5)

Presenters: Jake Munroe and Horst Bohner OMAFRA

P is a key nutrient in optimizing crop production. The recommendations for P have not been adjusted in many years. There are two opposing philosophies on how to manage P, the sufficiency method that feeds each crop for the amount it needs for a single season, vs a build and maintain option where the soil P levels are targeted for a minimum level to ensure that crop production is not impacted by lower than needed P. There are various attributes to both methods and these will be discussed. The issue in choosing how to manage P is the balance between optimizing production potential and preventing environmental loss of P from the field system that contributes to reductions in water quality and other effects. Engage in the discussion at the FarmSmart Expo and make the right decisions for you and the environment.

Understanding the Implications of Sprayer Tank Cleanout Shortcomings and their Impacts (PM 0.5)

Presenters: Jason Deveau and Mike Cowbrough, OMAFRA

With dicamba, sprayer cleanout is more important than ever. We compare the effectiveness of triple rinsing and continuous rinsing, with and without ammonia-based cleaner.