

Wednesday, December 14, 2022

PLENARY SESSION

- 8:25 **Welcome**
- 8:30 **Setting the Stage for the Plenary**
- 8:45 **Furthering 4R to Verify Sustainable Emissions Reduction**
Dr. Tom Bruulsema, Chief Scientist, Plant Nutrition Canada
- 9:25 **Research-Validated Strategies to Achieving 30%**
Dr. Mario Tenuta, Professor, Soil Science, University of Manitoba
- 9:55 **Coffee Break & Poster Session**
- 10:25 **Soil Carbon Sequestration Effectiveness: Opportunities & Challenges**
Dr. Benjamin Ellert, Research Scientist, Agriculture and Agri-Food Canada
- 11:10 **Carbon Farming in the Northern Great Plains: Recent Research Findings**
Dr. Mark Liebig, Research Soil Scientist, USDA Agricultural Research Service
- 11:40 **Funding Change - The Prairie Watersheds Climate Program**
Mr. Dan Cox, Project Manager, Manitoba Association of Watersheds
- 11:50 **Funding Change - The Canola 4R Advantage**
Canola Council of Canada
- 12:00 **Lunch**

CROP MANAGEMENT SESSION

- 1:00 **Crop Diseases – Old and New**
- **Crown Rust: A Perennial Concern in Oats**
Dr. James Menzies, Research Scientist, Agriculture and Agri-Food Canada
 - **Verticillium Stripe: What We Know and Don't Know**
Justine Cornelsen, Agronomic and Regulatory Services Manager, BrettYoung Seeds
 - **Aphanomyces Root Rot**
Dr. Syama Chatterton, Research Scientist, Agriculture and Agri-Food Canada
- 1:45 **Unravelling the Challenges of Growing Canola Emergence and Establishment in 2022**
Mr. Chris Manchur, Agronomy Specialist, Canola Council of Canada
- 2:30 **Coffee Break & Poster Session**
- 3:00 **Keep Them Standing! Management Strategies to Minimize Lodging in Cereals**
Mr. Peter Johnson, Agronomist, Real Agriculture
- 3:45 **Agronomist Panel - Considerations When Planning Crop Rotation**
Mr. Jason Voogt, Owner Agronomist, Field 2 Field Agronomy
Ms. Elizabeth Karpinchick, Agronomist, Tone Ag Consulting Ltd.
Mr. Kory Van Damme, Owner Agronomist, Fortified Agronomy

Thursday, December 15, 2022

SOIL MANAGEMENT SESSION

- 8:30 **Meeting Phosphorus Needs with Struvite**
Dr. Joanne Thiessen Martens, Assistant Professor, Soil Science, University of Manitoba
- 9:00 **Soil Acidification Trends and Solutions**
Mr. Ryan Buetow, Cropping Systems Specialist, North Dakota State University
- 9:30 **Nutrient Uptake Interactions in Wheat as a Function of Long-Term Rotation and Fertilization**
Dr. Miles Dyck, Professor, Sustainable Agriculture, Soil Physics, University of Alberta
- 10:00 **Coffee Break & Poster Session**
- 10:30 **Tires, Traction and Minimizing Compaction**
Dr. Scott Shearer, Professor & Chair, Food, Agricultural and Biological Engineering, Ohio State University
- 11:15 **Biologicals for Crop Nutrition**
Dr. Barney Geddes, Assistant Professor, Microbiological Sciences, North Dakota State University
- 12:00 **Lunch**

PEST MANAGEMENT SESSION

- 1:00 **Manitoba Cover Crops**
Dr. Yvonne Lawley, Professor, Plant Science, University of Manitoba
- 1:30 **Weed Detection with AI**
Dr. Tom Wolf, Owner, Agrimetrix Research & Training
- 2:00 **Outside the Box Weed Control**
Dr. Breanne Tidemann, Research Scientist, Agriculture and Agri-Food Canada
- 2:30 **Coffee Break**
- 3:00 **Using RNA Interference to Protect Crops Against Fungal Pathogens**
Dr. Mark Belmonte, Professor, Biological Sciences, University of Manitoba
- 3:30 **From an Orthopteran Overload to Sinister Sap-Suckers: Main Insect Concern in Crops in Manitoba in 2022**
Dr. John Gavloski, Entomologist, Manitoba Agriculture and Resource Development
- 4:15 **Closing Comments**