



December 7, 8, 9, 2021

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Note: All times are Central Standard Time Zone

## Tuesday December 7, 2021

8:00 - 8:30 a.m.

### **Are We Having Fun Yet?**

**Kevin Hursh, President, Hursh Consulting & Communications Inc., Saskatoon, Saskatchewan**

Life is too short to toil at something that you don't enjoy. Hear how you can get more enjoyment as well as more profit from your farm lifestyle.

8:30 - 9:05 a.m.

### **Advancing the Future of Food & Ag in Canada**

**John Hartnett, Founder & CEO, SVG Ventures/THRIVE, Los Gatos, California**

John Hartnett will provide a lay of the land for agriculture's biggest challenges and future opportunities. Specifically, he will address the voice of the farmer and why THRIVE, a global innovation and investment platform, has chosen Canada as the location for its first international subsidiary.

**(0.5 Professional Development CEU)**

9:05 - 9:40 a.m.

### **A Canola Perspective - Trends, Assets, Innovation, Information and Profitability**

**Curtis Rempel, Vice President, Crop Production and Innovation, Canola Council of Canada, Winnipeg, Manitoba**

Overview of the global consumer trends, environmental reality, asset investment, innovation and information and their significance and opportunity for farm and sector profitability using the canola value chain as a study.

**(0.5 Crop Management CEU)**

9:40 - 10:15 a.m.

### **Agriculture and Economics Update**

**Brett House, Deputy Chief Economist, Scotiabank, Toronto, Ontario**

An update on regional, national, and global economic developments that sets the agricultural sector in context and looks at what lies ahead in Scotiabank Economics' outlook.

**(0.5 Crop Management CEU)**

10:15 - 11:00 a.m.

### **Networking break**

11:00 - 11:35 a.m.

### **Adapting to Change at the Soil-Water-Food Nexus**

**Angela Bedard-Haughn, Dean and Professor, College of Agriculture and Bioresources, University of Saskatchewan, Saskatoon, Saskatchewan**

Managing Prairie landscapes has always been complex and has only become more so as we are faced with growing frequency of both droughts and flooding. How can we adapt to our changing environment and mitigate risk by managing our soils and water?

**(0.5 Soil & Water Management CEU)**

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11:35 - 12:10 p.m.

### **Managing Soil Moisture Variability**

**Blake Weiseth, Applied Research Lead, Glacier FarmMedia, Discovery Farm, Saskatchewan**

Recent technology has given us the ability to measure soil moisture variability across a field, but what do we do with this data? Drawing on examples from the Field of Excellence program and other applied research projects, this presentation will share practical examples of how real-time soil moisture assessment can be used to inform in-season management decisions at Discovery Farm Langham.

**(0.5 Soil & Water Management CEU)**

12:10 - 12:45 p.m.

### **Building Productivity of Soils**

**Jeff Schoenau, Professor, Department of Soil Science, University of Saskatchewan, Saskatoon, Saskatchewan**

Identification and management of areas in fields where long-term productivity is restricted by adverse soil conditions can improve the agronomic and environmental performance of the soil resource on your farm. Various approaches to building soil fertility, organic matter, and improving soil chemical conditions are covered in this presentation, using results of Jeff's recent research.

**(0.5 Nutrient Management CEU)**

12:45 - 1:15 p.m.

### **Networking break**

1:15 - 1:50 p.m.

### **Insect Pests on Prairie Crops in 2021 and Forecasts for 2022**

**John Gavloski, Entomologist, Manitoba Agriculture and Resource Development, Carman, Manitoba**

Flea beetles in canola and grasshoppers were major concern in some areas, and insects such as Lygus bugs, aphids and cutworms were of concern in some areas. This presentation will cover conditions that lead to these insects becoming concerns on crops, and where possible, will include forecasts for 2022.

**(0.5 Integrated Pest Management CEU)**

1:50 - 2:25 p.m.

### **Navigating AgTech Adoption on the Farm**

**Chris Paterson, Xarvio Lead for North America, BASF, Rockyview County, Alberta**

There are so many technology options emerging. Which ones to choose? When to make the move? How to measure ROI on tech?

**(0.5 Crop Management CEU)**

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2:25 - 3:00 p.m.

## **Biological-Based Products: Shaping the Future of Crop Protection**

***Toni Bucci, Chief Operating Officer, AgBiome, Research Triangle Park, North Carolina***

Biological-based products are the fastest growing segment in crop protection. This tremendous growth is based on changes in consumer buying behavior and regulatory policy as well as advantages to the grower including preservation of soil health, no MRLs and resistance management. **(0.5 Soil & Water Management CEU)**

3:00 - 3:20 p.m.

## **Networking break**

3:20 - 3:55 p.m.

## **Does My Farm Need a Brand**

***Ben Graham, President, AdFarm, Calgary, Alberta***

Why is it important for my operation to have a brand? We will discuss the pros and cons of enhancing the visibility of your farm.

**(0.5 Professional Development CEU)**

3:55 - 4:30 p.m.

## **Go Ahead, Ask Me a Good Question**

***Wendy Kostur, Senior Agronomist, 360 Ag Consulting, Gilbert Plains, Manitoba***

To answer agronomy issues today, it is important that both farmers and agronomists ask each other good questions. The good news is that someone somewhere has already studied it.

**(0.5 Crop Management CEU)**

4:30 - 4:45 p.m.

## **Networking break**

4:45 - 5:15 p.m.

## **Table Talk 1 – Soil Fertility Pointers for Corn**

***John Heard, Soil Fertility Extension Specialist, Manitoba Agriculture and Resource Development, Carman, Manitoba***

John will cover the NPKSZn fertility needs of Prairie corn crops, recent research and the suggested rates, time, placement and source of nutrient application.

5:15 - 5:45 p.m.

## **Table Talk 2 - Management of Wireworms in Cereals**

***Shad Milligan, Technical Lead Seedcare – West, Syngenta Canada, Lethbridge, Alberta***

Wireworm species and population intensity can affect the approach to managing wireworms in cereals as well as the choice of seed treatment. Find out why systemic activity in a cereal seed treatment matters when it comes to stand establishment.

5:45 - 6:15 p.m.

## **Table Talk 3 – The Results are In! Seed Health and Disease from Harvest 2021**

***Rachael Melenka, Client Success Manager, 20/20 Seed Labs Inc., Nisku, Alberta***

Drought and heat stress played a huge role in seed development and maturity this past growing season. Find out how these conditions played out in the germination, vigour, and disease testing that was completed at 20/20 Seed Labs this fall, and how to plan for a successful spring.

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## Wednesday December 8, 2021

- 8:55 - 9:10 a.m. **Welcome, Ag Update and Conference/Platform Tips**  
*Kevin Hursh, President, Hursh Consulting & Communications Inc., Saskatoon, Saskatchewan*
- 9:10 – 9:45 a.m. **Taking the Pulse of What's Lurking Under Your Pulse Crops**  
*Syama Chatterton, Research Scientist, Agriculture and Agri-food Canada, Lethbridge, Alberta*  
As pulse acreage increased on the prairies, so did the risk of devastating root rot pathogens with root rot of pea and lentil exploding onto the pulse scene about 8 years ago. There are many culprits that cause root rots and the role they and their many accomplices play in driving disease will be explored, along with the lessons learned from ongoing field research that tell the complicated story of this disease.  
**(0.5 Integrated Pest Management CEU)**
- 9:45 - 10:20 a.m. **How Modern Technology Can Help Farmers in Decision-Making**  
*Gottfried Pessl, Founder and CEO, Pessl Instruments GmbH, Weiz, Austria*  
Gottfried will discuss the topic of remote field monitoring and its importance for the future of (smart) agriculture. It will answer the questions such as how technological developments are affecting agriculture, why AgTech is so important for our future, the decision-making process and solutions, sustainability, food safety, and more.  
**(0.5 Crop Management CEU)**
- 10:20 - 10:55 a.m. **Accelerating Agriculture Research**  
*Nancy Tout, Research Program Officer, Results Driven Agriculture Research (RDAR), Edmonton, Alberta*  
In March 2021, RDAR celebrated its one-year anniversary and ushered in a new model for funding agriculture research. We will take a look back at what got us to today but more importantly we'll look to the future of agriculture innovation that is producer-led, collaborative and future-driven to ensure our industry remains competitive and profitable.
- 10:55 - 11:30 a.m. **Superior Genetics for Canadian Farmers from Bean Breeding and Canola Biotechnology**  
*Dr. Peter Pauls, Professor, Department of Plant Agriculture, University of Guelph, Guelph, Ontario*  
Peter will discuss the applications of conventional breeding and plant transformation procedures to produce superior dry bean and canola germplasm and licensed crop varieties. He will also discuss the hurdles that need to be overcome to commercialize new crop varieties and make them available to farmers.  
**(0.5 Crop Management CEU)**

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- 11:30 - 12:15 a.m.      **Networking break**
- 12:15 - 12:50 p.m.      **What's New in Microbial Inoculants for Improving Sustainability and Profitability of Crop Production**  
*Trevor Charles, Professor, Department of Biology, Director, Waterloo Center for Microbial Research, University of Waterloo, Waterloo, Ontario*  
Microbial inoculants have been on the market for over a century. Research is uncovering mechanisms that control the interaction of microbes with plants, resulting in the development of new, improved inoculant products.  
**(0.5 Nutrient Management CEU)**
- 12:50 - 1:25 p.m.      **Malting - The Key Link in the Field to Stein Value Chain**  
*Bob Sutton, VP Sales & Logistics, Rahr Malting Canada Ltd, Alix, Alberta*  
Malting plays a vital role in the journey of barley from the farmer's field to the consumer's glass. We will explore the entire value chain from barley to beer.  
**(0.5 Crop Management CEU)**
- 1:25 - 2:00 p.m.      **Blockchain in Agriculture - How the Canadian Grains Industry Can Work Together to Simplify and Digitize the Grain Supply Chain**  
*Rory O'Sullivan, CEO, Grain Discovery, Picton, Ontario*  
The grain and food industry in general is in transition, ushering in major changes going forward. Canada must develop technology to meet consumer demand for traceability to remain competitive as a premium supplier.  
**(0.5 Crop Management CEU)**
- 2:00 - 2:45 p.m.      **Networking break**
- 2:45 - 3:20 p.m.      **Biologicals in Agriculture: Overcoming Barriers Hindering Widespread Adoption**  
*Jon Treloar, Technical Agronomist, Novozymes BioAg, Saskatoon, Saskatchewan*  
Soil biology is widely accepted as a critical indicator of soil health, yet at the same time, the use of biologicals in agriculture is met with skepticism. This presentation explores the root of the skepticism, misconceptions, along with how and why the use of biologicals is set to increase in coming years.  
**(0.5 Soil & Water Management CEU)**
- 3:20 - 3:35 p.m.      **Where Does Phosphate Come From?**  
*Brian Ostroff, President, Arianne Phosphate Inc., Chicoutimi, Quebec*  
Farmers know what to do when they get their phosphate but, do they actually know where that phosphate comes from? Today, the ability for North American farms to produce the crops we all need is highly reliant on the Middle East and North Africa.

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3:35 - 3:50 p.m.

**Geospatial Convergence: How Characteristics of Natural Events, Location and Time Come Together on Your Farm**

**David Yee, President, Super GeoAI Technology Inc., Saskatoon, Saskatchewan**

**Weiping Zeng, Chief Executive Officer, Super GeoAI Technology Inc., Saskatoon, Saskatchewan**

Recent advances in technology have made the application of geospatial artificial intelligence (GeoAI) on farmers' individual fields possible. GeoAI technology combines and analyses data from all-aspects of your farm, organizing it both temporally and spatially to visually support producer understanding and decision making.

3:50 - 4:30 p.m.

**A Carbon Economy in 2030?**

**Don McCabe, Alvinston, Ontario**

Governments and companies (global to local) have set targets for 2030 and net zero targets for 2050. Where will your farm be with policies being set now and what actions do you need to look at?

**(0.5 Crop Management CEU)**

4:30 - 5:00 p.m.

**Practical Nutrition Solutions for Improved Production & Water Use**

**Delaine Mandziak, Crop Manager, Yara North America, Kelliher, Saskatchewan**

The 2021 growing season in Western Canada experienced extremely dry conditions. Being able to maximize the amount of water used by the plant is critical under stressful conditions such as drought but can also be applicable under normal rainfall conditions. Learn how complete nutrition impacts water use and nutrient use to give the plants the best opportunity to produce!

5:00 - 6:00 p.m.

**Networking break**

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## Thursday December 9, 2021

- 8:30 – 8:45 a.m. **Ag Update and Conference/Platform Tips**  
*Kevin Hursh, President, Hursh Consulting & Communications Inc., Saskatoon, Saskatchewan*
- 8:45 – 9:15 a.m. **Table Talk 4: Get the Most Out of Your Fields with xarvio® Digital Farming Solutions**  
*Doug Mackay, Sr. Commercial Project Manager, xarvio, BASF Canada, Calgary, Alberta; Jeff Spencer, Head of Technology and Data - Digital Farming, BASF Corporation, Durham, North Carolina; Jeremy Parkinson, Digital Technical Marketing Specialist, BASF Canada, Calgary, Alberta; Kael Briggs, Commercial Manager - Canada, xarvio, BASF Canada, Calgary, Alberta; Lesley Pohl, Customer Experience Lead, Canada, xarvio, BASF Canada, Calgary, Alberta*  
Learn how using data-driven agronomic insights reduces risk, improves decision making, and optimizes your investments from seeding to harvest.
- 9:15 - 9:45 a.m. **Table Talk 5: Maximizing Phosphorus in No-Till Soils**  
*Tim Laatsch, Director of Agronomy, North America, Koch Agronomic Services, LLC, Altamont, Illinois*  
No till soils have reduced opportunity to replace phosphorus without adequate incorporation. KOCH Agronomic Services has solutions to maximizing one's phosphorus investment and will look into strategies to work with phosphorus in no tillage applications.
- 9:45 - 10:20 a.m. **Intercrop Observations and Thoughts From the Combine**  
*Colin Rosengren, Rosengren Farms, Midale, Saskatchewan*  
This presentation will focus on the theories and goals of intercropping as well as different crop characteristics and how that relates to your intercrop plan. Understanding growth habits and needs of each crop is critical to your intercrop success.  
**(0.5 Nutrient Management CEU)**
- 10:20 - 10:55 a.m. **Mechanisms of Nitrogen Loss and Management Considerations**  
*Trey Cutts, Market Development Director, Yara North America, Auburn, Alabama*  
Nitrogen dynamics in our cropping systems is complex and often leads to inefficiencies in management. This talk will give insights into the mechanisms of nitrogen loss to help better guide management decisions based on most likely loss scenario.  
**(0.5 Nutrient Management CEU)**

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10:55 - 11:30 a.m.

### **Weather and Market Update**

***Bruce Burnett, Director Weather and Markets, MarketsFarm, Winnipeg, Manitoba***

Bruce will look at the drought situation on the Prairies and how that will impact prospects in 2022 and will also provide an update on the global markets and the impact on prices for the 2022-23 marketing year.

**(0.5 Professional Development CEU)**

11:30 - 12:05 p.m.

### **A Look at Grain, Oilseed and Pulse Markets**

***Mike Jubinville, Senior Market Analyst, MarketsFarm, Winnipeg, Manitoba***

With harvest now well behind us, let's consider what grain markets may have to offer through the second half of the 2021-22 marketing year.

**(0.5 Professional Development CEU)**

12:05 - 12:20 p.m.

### **MC Closing Comments**

Join us for the live Grand Prize winner announcement from METOS Canada.

12:20 - 1:00 p.m.

### **Networking break**

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