



TOP CROP SUMMIT

| FEBRUARY 16 & 23, 2022



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TOP CROP SUMMIT

VIRTUAL DELEGATE GUIDE

On behalf of the entire team at *Top Crop Manager*, welcome to the Top Crop Summit! We've opted for a virtual platform once again in 2022 and we're thrilled to expand our reach to farmers, agronomists and the greater ag community across Canada through our digital platform this year.

Similar to previous years, we've curated an incredible agenda of industry experts, sharing insights on crop disease, herbicide-resistant weeds, insect pests, soil management and much more, with a dedicated schedule for farmers in Eastern Canada on Feb. 16, and for producers in Western Canada on Feb. 23. Wherever you're joining us from, we know you'll leave the Summit with actionable advice for your coming crop year. And, as a registered delegate, you'll be able to watch these sessions at your leisure after the live broadcast is over. There's much to learn from our esteemed presenters – we hope you'll enjoy hearing about their work.

We couldn't execute an event without the generous support of our sponsors. Many thanks to Corteva, our platinum sponsor; BASF, Bayer, Nutrien, Reesink Canada Wholesale, Sask Wheat and Western Grain Research Foundation, our gold sponsors; Alberta Wheat and SaskCanola, our silver sponsors, and Saskatchewan Pulse Growers, our bronze sponsor. Please take some time to browse the sponsors' showcases, product demos and digital event offerings.

Questions or feedback? Send me an email at scroley@annexbusinessmedia.com – I'd love to hear your thoughts! And, don't forget to join the conversation on Twitter, using the hashtag #TopCropSummit.

Enjoy the show!



Stefanie

STEFANIE CROLEY | EDITORIAL DIRECTOR

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2022 SCHEDULE

DAY ONE – EASTERN SUMMIT – FEBRUARY 16, 2022

8:00 a.m. MT /
10:00 a.m. ET Opening remarks from the *Top Crop Manager* editorial team

8:05 a.m. MT / **PLANTING CORN AND SOYBEANS GREEN INTO COVER CROPS**
10:05 a.m. ET *Speaker: Jake Munroe*

8:45 a.m. MT / **TARGETING TAR SPOT IN ONTARIO CORN**
10:45 a.m. ET *Speakers: Albert Tenuta, Damon Smith*

9:35 a.m. MT /
11:35 a.m. ET Break

9:45 a.m. MT / **MANAGING MULTIPLE-HERBICIDE-RESISTANT WATERHEMP**
11:45 a.m. ET *Speaker: Peter Sikkema*

10:30 a.m. MT /
12:30 p.m. ET Closing remarks

DAY TWO – WESTERN SUMMIT – FEBRUARY 23, 2022

9 a.m. MT /
11 a.m. ET Opening remarks from the *Top Crop Manager* editorial team

9:05 a.m. MT / **INSECT POPULATIONS IN FIELD CROPS: 2021 RESULTS AND 2022 PREDICTIONS**
11:05 a.m. ET *Speaker: James Tansey*

9:50 a.m. MT / **WHEAT YIELD GAPS IN THE CANADIAN PRAIRIES: MAGNITUDE, IMPLICATIONS AND OPPORTUNITIES**
11:50 a.m. ET *Speakers: Brian Beres, Patricio Grassini, Aiden Sanden, Romulo Lollato*

10:40 a.m. MT /
12:40 p.m. ET Break

10:50 a.m. MT / **THE SIDE EFFECTS OF WET/DRY CYCLES: DEALING WITH SALINITY AFTER A DROUGHT**
12:50 p.m. ET *Speaker: Marla Riekman*

11:40 a.m. MT /
1:40 p.m. ET Closing remarks

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**TOP
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JAKE MUNROE

SOIL MANAGEMENT SPECIALIST (FIELD CROPS) - ONTARIO MINISTRY OF AGRICULTURE, FOOD AND RURAL AFFAIRS

PLANTING CORN AND SOYBEANS GREEN INTO COVER CROPS

Increase your cover crop toolbox and learn strategies from Jake Munroe, who will share trial data and information about planting corn and soybeans green into cover crops.

NOTES: Type your notes in the box below

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JAKE MUNROE is a soil management specialist for field crops with OMAFRA. He has expertise in soil health, soil fertility and cover crop management. Through field days, plot demonstrations, and presentations, Jake shares information with Ontario producers on best management practices to improve soil health, nutrient management and crop production. He is currently wrapping up a multi-year project on cereal rye cover crop management in soybean production systems. Jake is a Certified Crop Advisor.



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Alberta Barley



ALBERT TENUTA

FIELD CROP PATHOLOGIST - ONTARIO MINISTRY OF AGRICULTURE, FOOD AND RURAL AFFAIRS

DAMON SMITH

ASSOCIATE PROFESSOR/EXTENSION PLANT PATHOLOGIST - UW-WMADISON

TARGETING TAR SPOT IN ONTARIO CORN FIELDS

Recently discovered in Ontario corn fields, tar spot can be a devastating disease, and researchers from across North America have kept an eye on the threat for several years. At the 2022 Top Crop Summit, Albert Tenuta, field crop pathologist with OMAFRA, and Damon Smith, associate professor and extension plant pathologist at the University of Wisconsin-Madison, will share the latest findings and research, and updates from the Tar Spot Working Group, to front-load your season with knowledge and resources.

NOTES: Type your notes in the box below

ALBERT TENUTA graduated from the University of Toronto in plant pathology, and since 1991, has been the field crop extension plant pathologist with the Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA), based at the University of Guelph Ridgetown Campus in Ridgetown, Ont. Albert's responsibilities with OMAFRA include applied research and development of leading-edge packaged information and resource materials for educating and training producers, agri-business, students, extension personnel, and other specialists on field-crop diseases and nematodes. He is actively involved in many large North American regional disease management research projects and extension initiatives such as the Crop Protection Network and the SCN Coalition.

DAMON SMITH is an associate professor and extension plant pathologist at UW-Madison. Damon is also the director of the Nutrient and Pest Management Program at the University of Wisconsin-Madison. Damon's responsibilities include research and extension efforts that focus on improving our understanding of the epidemiology of plant pathogens in order to develop better control recommendations for the sustainable management of field and forage crop diseases. Damon is a native of Western New York State. He earned his B.S. in Biological Sciences at the State University of New York, College at Geneseo, and his M.S. and Ph.D. degrees from North Carolina State University. Prior to Damon's appointment at UW he was an assistant professor and extension specialist at Oklahoma State University.

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PETER SIKKEMA

PROFESSOR, WEED MANAGEMENT (FIELD CROPS) – UNIVERSITY OF GUELPH
RIDGETOWN CAMPUS

MANAGING MULTIPLE-HERBICIDE-RESISTANT WATERHEMP

The list of herbicide-resistant weeds found in Canada is growing, and where it exists, multiple-herbicide-resistant waterhemp is a grave concern for growers. During his session at the 2022 Top Crop Summit, Peter Sikkema, professor of weed management at the University of Guelph's Ridgetown Campus will discuss the spread of the weed, its current status in Ontario and elsewhere, and control tips and strategies.

NOTES: Type your notes in the box below

PETER SIKKEMA is a professor in the department of plant agriculture at the University of Guelph's Ridgetown Campus. He conducts research on weed management in corn, soybean, cereals and edible beans. Peter teaches crop diagnostics and recommendations and herbicide physiology and biochemistry.

Prior to his employment at the University of Guelph, Peter worked for Rhone Poulenc Canada from 1986 to 1988 as product development manager for Canada, and for Union Carbide Agricultural Products Company from 1983 to 1986 as a product development representative.

Peter received his BSc (Agr) in 1981 and MSc (weed physiology) in 1983 from the University of Guelph. In 2002, Peter received his PhD in plant sciences from the University of Western Ontario.

During his career, Peter has published more than 275 peer-reviewed manuscripts and has been an author/co-author on more than 270 oral/poster presentations at scientific conferences. He has supervised 25 graduate students who have completed their studies.

Peter has served on the boards of the Canadian Weed Science Society, the North Central Weed Science Society and the Weed Science Society of America.

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JAMES TANSEY

PROVINCIAL SPECIALIST, INSECT/PEST MANAGEMENT – SASKATCHEWAN MINISTRY OF AGRICULTURE

INSECT POPULATIONS IN FIELD CROPS: 2021 RESULTS AND 2022 PREDICTIONS

What insect pests were especially prevalent in Prairie crops in 2021, and what should producers expect for 2022? In this session, James Tansey will recap some of the most problematic insect pests and look ahead to help you prepare for the coming season.

NOTES: Type your notes in the box below

JAMES TANSEY has been the provincial insect/pest management specialist at the Saskatchewan Ministry of Agriculture since 2018. Prior to this, he worked in row crops entomology research in Alberta, and citrus systems in Florida, pharmaceutical research in Idaho on house dust mites, and regulatory affairs. He is interested in all aspects of insect-plant interactions.

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MARLA RIEKMAN

SOIL MANAGEMENT SPECIALIST - MANITOBA AGRICULTURE AND RESOURCE DEVELOPMENT

THE SIDE-EFFECTS OF WET/DRY CYCLES: DEALING WITH SALINITY AFTER A DROUGHT

What happens to your soil during – and after – a drought? In this session, Marla Riekman will discuss the effects of wet/dry cycles on soil in post-drought conditions, and share pertinent information to prepare you for the coming growing season.

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MARLA RIEKMAN is the Soil Management Specialist with Manitoba Agriculture and Resource Development. She earned a bachelor of science in agroecology and a master's degree in soil science, both from the University of Manitoba. Before joining Manitoba Agriculture in 2007, Marla worked as the farm manager for the Manitoba Zero Tillage Research Association and also as a soil conservationist with the Prairie Farm Rehabilitation Administration. Marla's main focus is to provide extension on dealing with problem soils and maintaining long-term productivity by managing soil health. Marla's passion for soil has even crept into her personal life – she is known to create jewelry with soil in her spare time!



BRIAN BERES

SENIOR RESEARCH SCIENTIST – AAFC, LETHBRIDGE, ALTA.



PATRICIO GRASSINI

DEPARTMENT OF AGRONOMY AND HORTICULTURE – UNIVERSITY OF NEBRASKA-LINCOLN



AIDEN SANDEN

DEPARTMENT OF AGRICULTURE AND RESOURCE ECONOMICS – UNIVERSITY OF SASKATCHEWAN



ROMULO LOLLATO

DEPARTMENT OF AGRONOMY – KANSAS STATE UNIVERSITY

WHEAT YIELD GAPS IN THE CANADIAN PRAIRIES: MAGNITUDE, IMPLICATIONS, AND OPPORTUNITIES

Why is it important to analyze wheat yield gaps? What are the economic implications of yield gaps? In this session, Brian Beres will share an introduction to his research on the topic and data analysis to date. His colleagues, Patricio, Romulo and Aiden, will discuss further research done in the Prairies and in the United States.

NOTES: Type your notes in the box below

DR. BRIAN BERES is a senior research scientist at Agriculture and Agri-Food Canada's Lethbridge Research Centre and adjunct professor at the University of Alberta. Dr. Beres leads several multi-disciplinary projects developing innovative and integrated crop management systems. He serves as editor-in-chief for the Canadian Journal of Plant Science. Dr. Beres has several international collaborations and represents Canada on the Research Committee of the Global Wheat Initiative.

DR. PATRICIO GRASSINI is an associate professor of agronomy at the University of Nebraska-Lincoln (UNL). Patricio earned a BSc in agricultural engineering from University of Buenos Aires (Argentina) and a PhD in agronomy from UNL. His applied research covers a diverse range of cropping systems, including rainfed crops in South America, irrigated crops in the U.S. Corn Belt and Asia, and oil palm in Indonesia.

AIDEN SANDEN is a second-year MSc student in the department of agriculture and resource economics at the University of Saskatchewan. Aiden earned his bachelor's degree in agribusiness from the University of Saskatchewan in 2019. Under the supervision of Dr. Richard Gray, Aiden's research focuses on the economic component of the yield gap for wheat producers in Saskatchewan.

DR. ROMULO P. LOLLATO got his BSc degree in agronomy from Londrina State University (Brazil), MSc in plant and soil sciences from Oklahoma State University (OSU), and PhD in crop science from OSU. Currently, Romulo is an associate professor of Agronomy at Kansas State University, Extension Wheat and Forages Specialist, where he provides leadership for an interdisciplinary team developing extension and applied research programs. He is an associate editor for Agronomy Journal and a reviewer for several refereed journals.

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YVONNE LAWLEY
ASSISTANT PROFESSOR OF AGRONOMY
AND CROPPING SYSTEMS, UNIVERSITY OF
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**RESULTS FROM THE
PRAIRIE COVER CROP
SURVEY**

YVONNE LAWLEY, assistant professor of agronomy and cropping systems at the University of Manitoba, joins **CALLUM MORRISON**, a graduate student at the University of Manitoba, to discuss results from the recently completed Prairie Cover Crop Survey.

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CLARK BRENZIL
SASKATCHEWAN AGRICULTURE

**HERBICIDE CARRYOVER
CONSIDERATIONS FOR
2022**

CLARK BRENZIL (PAG.) is the provincial specialist - weed control with Saskatchewan Agriculture in Regina. He provides information and recommendations on weed control to producers, agronomists, government departments and municipalities, and shares insight on the potential for herbicide carryover for the 2022 growing season in this on-demand session.

NOTES:
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MICHEL MCELROY
RESEARCHER, CENTRE DE RECHERCHE SUR
LES GRAINS (CÉROM)

**WINTER WHEAT BREEDING
IN QUEBEC**

MICHEL MCELROY winter wheat breeder at Centre de recherche sur les grains (CÉROM) in Quebec, provides an update on what winter wheat growers in Eastern Canada can expect coming down the pipeline within the next few years - new cereal developments, promising varieties and new opportunities.

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CALLUM MORRISON
UNIVERSITY OF MANITOBA

**SHEDDING LIGHT ON
ONTARIO COVER CROP
PRACTICES**

While not a new practice in Ontario, growing cover crops can be complex. **CALLUM MORRISON**, a graduate student at the University of Manitoba, set out to determine what benefits, challenges and lessons growers are learning about cover crops through a comprehensive survey. In this on-demand session, Callum will share details and insights of the Ontario survey results.

NOTES:
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