

2023 WPVGA & UW Division of Extension, Grower Education Conference

Tuesday, February 7, 2023

Holiday Inn Hotel & Convention Center, Stevens Point WI

Time	General Session Expo 1 and 2		
7:30 - 8:20 am	Registration		
8:20 - 8:30 am	Welcome and opening remarks - Tamas Houlihan, Executive Director, Wisconsin Potato and Vegetable Growers Association, Antigo, WI		
8:30 - 9:00 am	Exploring the Connections Among Climate, Human Water Use, and Lakes in the Central Sands - Michael Fienen, Research Hydrologist, USGS Upper Midwest Water Science Center, Madison, WI		
9:00 - 9:30 am	Agrichemical Quality in Central Sands Groundwater and Potential/Expected Legislative Actions - Ken Potrykus, Hydrogeologist, Wisconsin Department of Agriculture, Trade, and Consumer Protection, Madison, WI		
9:30 - 10:30 am	Morning Break - Visit Exhibit Hall/Poster Session		
10:30 - 11:00 am	Advancing biotic and abiotic resistance through potato breeding and genetics - David Douches, Director of MSU Potato Breeding and Genetics Program, Department of Plant, Soil, and Microbial Sciences, Michigan State University, East Lansing, MI		
11:00 - 11:30 am	Development of a Mesonet of Environmental Monitoring Stations to Support Wisconsin Agriculture - Chris Kucharik, Professor and Chair, Department of Agronomy, UW-Madison		
11:30a - 12:00p	Challenges with CPB management - Andrei Alyokhin, Professor, School of Biology and Ecology, University of Maine, Orono, ME		
12:00 - 1:15 pm	Lunch National Potato Council Update - Mike Wenkel, COO, NPC WPVGA Awards		
Breakout Sessions	Expo 1 Disease Management I	Expo 2 Water Quality I	Sands/Spruce Agronomics
1:30 - 1:50 pm	Paul Bethke - Susceptibility of potato lenticels to infection by pathogens	Ankur Desai and Ammara Talib - Water use by crops and forests in the Central Sands	Ashmita Rawal, Amanda Gevens, Matt Ruark - Does soil organic matter affect potato productivity on sandy soil?
1:50 - 2:10 pm	Aurelie Rakotondrafara - Delivery of Virus-Derived Proteins to Control Fungal Pathogens of Potatoes	Trevor Crosby and Yi Wang - Using hyperspectral remote sensing for potato nitrogen management	Deana Knuteson - Healthy Grown, Sustainability, Resilient Ag – Are they linked?
2:10 - 2:30 pm	Matt Pereyra, Amanda Gevens, and Russ Groves - Evaluating the performance of the P-Day model for initiation of preventative Early Blight	Tracy Hames - Producer-led watershed group panel presentation	Nurlan Utesov and Paul Mitchell - Profit Margins Along the Fresh Potato Supply Chain
2:30 - 3:30 pm	Afternoon Break - Visit Exhibit Hall/Poster Session		
Breakout Sessions	Expo 1 Disease Management II	Expo 2 Water Quality I	Sands/Spruce Pest Management
3:30 - 3:50 pm	Dennis Halterman - Interactions between potato, Alternaria, and their environments that can affect early blight disease	Jed Colquhoun - Nitrate remediation strategies in potato and vegetable systems	Ben Bradford and Russ Groves - Changes in Colorado potato beetle emergence and diapause phenology
3:50 - 4:10 pm	Afona Irabor, Amanda Gevens, and Matt Ruark - Influence of conventional and biological fungicides on potato microbiomes	Guolong Liang - Estimating Nitrogen Leaching: A Step to Improve Water Quality and Nitrogen Use Efficiency	Sean Schoville - Using museum specimens to understand adaptation of Colorado potato beetle
4:10 - 4:30 pm	Shan Shan and Rick Lankau - How does fumigation affect soil microbiomes, and how do soil microbes affect fumigation responses?	Kevin Masarik - Challenges and opportunities for nitrate reduction in the Central Sands	Andrei Alyokhin - RNAi as a novel tool for CPB management
4:30 - 8:00 pm	Wisconsin Seed Potato Improvement Association and WPVGA Associate Division Reception		

2023 WPVGA & UW Division of Extension, Grower Education Conference

Wednesday, February 8, 2023

Holiday Inn Hotel & Convention Center, Stevens Point WI

Time	General Session Expo 1 and 2		
8:15 - 9:00 am	Potatoes USA updates and summary - Blair Richardson, President, Potatoes USA, Denver, CO		
9:00 - 9:30 am	Variety development in the upper Midwest and Great Lakes Region - Chris Long, Potato Extension Specialist, Department of Plant, Soil and Microbial Sciences, Michigan State University, East Lansing, MI		
9:30 - 10:00 am	Rise of metabolic resistance - Sean Schoville, Associate Professor, Department of Entomology, UW-Madison		
10:00 - 10:30 am	Morning Break - Visit Exhibit Hall/Poster Session		
10:30 - 11:00 am	Water and carbon dynamics in soils of the Central Sands - Alfred Hartemink, Professor, Department of Soil Science, UW-Madison		
11:00 - 11:30 am	Pesticides in Central Sands Surface Water – 15 Years of DATCP Sampling - Carla Romano, Groundwater Specialist, Environmental Quality Unit, Wisconsin DATCP, Madison, WI		
11:30am - 12:00pm	Stream contributing areas and water quality in the Central Sands Region: Focus on the 14-Mile Creek Watershed - Mike Parsen, Hydrogeologist, WGNHS, and Dave Hart, Professor and Hydrogeologist, WGNHS, UW-Madison		
12:00 - 1:15 pm	Lunch Break WPVGA/State Legislative Issues Update - Jordan Lamb, Attorney, The Welch Group Working Wildlife Habitat onto your Working Lands: Josh Bendorf, Precision Ag & Conservation Specialist, and Heather Doherty, Farm Bill Biologist, Pheasants Forever		
Breakout Sessions	Expo 1 Potato Breeding	Expo 2 Water Quality Management	Sands/Spruce Wisconsin Muck Meeting
1:30 - 1:50 pm	Yi Wang - Testing Elite Fresh Market Varieties in a Low Nitrogen Environment	Scott Provost - Water Quality Management: From 9-Key Element Plans to TMDL's and Watersheds to Basin	Sarah Pethybridge - Emergence of Stemphylium Leaf Blight of Onion in New York (via Zoom)
1:50 - 2:10 pm	Lin Song - Breeding and genetics of tuber shape in diploid potato	Kevin Hedinger and Aubrey Dunshee - Grower-Focused Method Development: Estimating Nitrate Leaching and Groundwater Recharge	
2:10 - 2:30 pm	David Douches - Diploid potato breeding: dihaploids, self compatibility, breeding progress and assessing traits	Chuck Bolte - Water Quality Project Leads Soil Health Discussion	Amanda Gevens - Carrot variety response to foliar diseases
2:30 - 3:30 pm	Afternoon Break - Visit Exhibit Hall/Poster Session		
Breakout Sessions	Expo 1 Potato Storage Management	Expo 2 Bringing Value to Agriculture	Sands/Spruce Wisconsin Muck Meeting
3:30 - 3:50 pm	Shane Hansen and Amanda Gevens - Ultraviolet energy for management of oomycete pathogens on potato tubers	3:30 Brian Manley, GreenLight Biosciences - Calantha™, a dsRNA-powered insecticide bringing a novel mode of action and technology for foliar control of Colorado Potato Beetle in potatoes	Tim Waters - Best practices for thrips control in onions (via Zoom)
3:50 - 4:10 pm	Chris Long - Biotic and Abiotic Factors that Affect Raw Product Quality and Post-Harvest Storability of Potatoes		
4:10 - 4:30 pm	Amber Walker and Troy Fishler - Update on Elite Potato Varieties Grown in Central Wisconsin and Stored at the UW Storage Research Facility	3:42 Jason Haegele, ICL - Strategies for improving nutrient use efficiency and sustainability in potato production 3:54 Amanda Wilder, Provision Analytics - Streamlining Food Safety for Non-Technical Staff 4:06 Joel Kouba, Decco/TeleSense - TeleSense-cable free monitoring to protect your potato crop post-harvest 4:06 Riley Bricco, Insight FS - The Right Liquid Application Technology from an Unexpected Provider	Russ Groves - Seed treatment options in small seeded vegetable - onion maggot
5:15 - 6:00 pm	Social Hour		
6:00 - 10:00 pm	WPVGA Associate Division Banquet		

2023 WPVGA & UW Division of Extension, Grower Education Conference

Thursday, February 9, 2023

Holiday Inn Hotel & Convention Center, Stevens Point WI

Time	General Session Expo 1 and 2
8:00 - 8:30 am	Potato breeding and variety development - Jeff Endelman, Associate Professor, Department of Horticulture, University of Wisconsin-Madison
8:30 - 9:00 am	Using innovative technologies to improve nitrogen management in vegetable cropping systems - Yi Wang, Assistant Professor, Department of Horticulture, University of Wisconsin-Madison
9:00 - 9:30 am	Current and future certification diagnostic trends - Brooke Babler, Program Director, WSPCP Program, Department of Plant Pathology, University of Wisconsin-Madison.
9:30 - 10:00 am	Managing the key pest complex in potato - Russ Groves, Professor and Chair, Department of Entomology, University of Wisconsin-Madison
10:00 - 10:15 am	Morning Break
10:15 - 10:45 am	Potato weed management and water quality research update - Jed Colquhoun, Professor, Department of Horticulture, University of Wisconsin-Madison
10:45 - 11:15 am	Updating early blight management in potato - Amanda Gevens, Professor and Chair, Department of Plant Pathology, University of Wisconsin-Madison
11:15 - 11:45 am	On-farm N research: N response and N uptake - Matt Ruark, Professor, Department of Soil Science, University of Wisconsin-Madison
11:45am - 12:00pm	Thank you and concluding remarks - Tamas Houlihan, Executive Director, Wisconsin Potato and Vegetable Growers Association
12:00 pm	Adjourn - and Thanks for your Attendance and Participation
1:00 pm	WPVGA Annual Meeting