

2020 UW Extension & WPVGA Grower Conference

Tuesday, February 4, 2020

Holiday Inn Hotel & Convention Center, Stevens Point WI

Time	General Session - Expo I & II <i>Moderator: Mr. Tamas Houlihan</i>		
7:30 - 8:20	Registration		
8:20 - 8:30	Welcome and opening remarks - Tamas Houlihan, Executive Director, Wisconsin Potato and Vegetable Growers Association, Antigo, Wisconsin		
8:30 - 9:00	Groundwater Quality Surveillance in Wisconsin's Agricultural Sensitive Regions - Mr. Ken Potrykus, Hydrogeologist, Wisconsin Department of Agriculture, Trade and Consumer Protection, Madison, Wisconsin		
9:00 - 9:30	How Much Pesticide is on My Plate? - Dr. Jeff Miller, President and CEO, Miller Research, LLC, Rupert, Idaho		
9:30 - 10:30	Morning Break - Visit Exhibit Hall/Poster Session		
10:30 - 11:00	Pratylenchus: persistent, pernicious, perplexing - Dr. Ann MacGuidwin, Professor, Department of Plant Pathology University of Wisconsin, Madison		
11:00-11:30	Understanding the potential of irrigation scheduling and precision irrigation to improve water use efficiency in the Wisconsin Central Sands - Ms. Elisabeth McNamee, Wisconsin Distinguished Graduate Fellow, Department of Agronomy, University of Wisconsin, Madison		
11:30-12:00	Establishing pollinator plantings within the Healthy Grown context - Mr. Jeb Barzen, Ecologist, Private Lands Conservation, LLC, Spring Green, Wisconsin		
12:00 - 1:15	Lunch Speakers: NPC Update – Michael Wenkel , COO, National Potato Council; On Farm Readiness Review Program – Micheal Mosher , Division of Food Safety, WDATCP; Industry Awards.		
Breakout Sessions	Expo 1 Soil Health <i>Moderator - Matt Ruark</i>	Expo 2 Water Quality <i>Moderator - Russ Groves</i>	Sands/Spruce Potato Agronomy <i>Moderator - Yi Wang</i>
1:30 - 1:50	Matt Ruark & Michelle Marks - Enhancing Soil Health in U.S. Potato Production Systems - SCRI Project Overview and Year 1 Activity	Tracy Campbell & Chris Kucharik - Background Nitrate Variability in Irrigation Water: How much N credit should we be giving?	Trevor Crosby & Yi Wang - Evaluating effects of over-irrigation and reduced irrigation on production of multiple potato varieties in Wisconsin
1:50 - 2:10	Ann MacGuidwin & Richard Lankau - Potato Soil Health Research Efforts in the U.S. – Other Projects Currently in Progress	Chuck Bolte - Early findings from edge-of-field monitoring and soil health challenges	Yi Wang - Making recommendations about nitrogen fertility and seed spacing management for new Wisconsin potato cultivars
2:10 - 2:30	Matt Ruark & Michelle Marks - Potato Soil Health Listening & Feedback Session – A Conversation About Industry Needs and Goals	William DeVita - Use of passive sampling devices to monitor neonicotinoid insecticides in surface water on the Central Sand Plain.	Paul Bethke - What determines the appearance of red skinned potatoes?
2:30 - 3:30	Afternoon Break - Visit Exhibit Hall/Poster Session		
Breakout Sessions	Expo 1 Storage Management <i>Moderator - Amanda Gevens</i>	Expo 2 Bringing Value to Agriculture <i>Moderator - Kenton Mehlberg</i>	Sands/Spruce Crop Improvement <i>Moderator - Jeff Endelman</i>
3:30 - 3:50	Mike Copas - The state of your seed matters: Developing a new model around physiologic seed management	3:30 Jim Friedrichs, AgSource - Soil health management adds value	Dennis Halterman - Uncovering genes that confer late blight resistance in potato cultivars
3:50 - 4:10	Jeff Miller - Effect of field and post-harvest fungicides on pink rot and Pythium leak on eight Russet varieties	3:42 Chris Poole, Spudnik - Modern day equipment for modern day farming	
4:10 - 4:30	Amanda Gevens & Stephen Jordan - Updates in post-harvest disease management in potato	3:54 Alex Truskowski, Nichino America - Torac Insecticide: A unique MOA for CO Potato Beetle control	Jeff Endelman - Molecular breeding for maturity and disease resistance
		4:06 Aaron Breimer, Veritas - Variability auditing: how much variability is too much to ignore	Shelley Jansky - Creating dihaploids to enable diploid potato breeding
		4:18 Mark Varner, Vive Crop Protection - No more mixing problems-5 new products from Vive	
4:30 - 8:00	Wisconsin Seed Potato Improvement Association and WPVGA Associate Division Reception		

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Wednesday, February 5, 2020

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Time	General Session - Expo I & II <i>Moderator: Dr. Larry Binning</i>		
8:00 - 8:45	Potatoes USA Update - Mr. Blair Richardson, Chief Executive Officer, Potatoes USA		
8:45 - 9:15	Central Sands Lake Study - Mr. Jeff Helmuth, Hydrogeologist, Wisconsin DNR, and Mr. Adam Freihofer, Water Use Section Program Manager, Wisconsin DNR		
9:15 - 9:45	Farm Bill Updates - Ms. Sandra Chalmers, State Executive Director, USDA Wisconsin Farm Service Agency, Madison		
9:45 - 10:30	Morning Break - Visit Exhibit Hall/Poster Session		
10:30 - 11:00	Potato 2.0 - Dr. Shelley Jansky, Research Geneticist, USDA-ARS Vegetable Crops Research Unit, and Professor, Department of Horticulture, University of Wisconsin-Madison		
11:00 - 11:30	Genome Engineering/Editing of Potato, Vegetable and Specialty Crops: Applications and Challenges - Dr. Heidi Kaepler, Associate Professor, Department of Agronomy, and Faculty Transformation Technology Director, Wisconsin Crop Innovation Center, University of Wisconsin-Madison		
11:30- 12:00	Barriers and Solutions in Working with Farmers to Promote Conservation - Dr. Bret Shaw, Professor, Department of Life Science Communications, University of Wisconsin-Madison		
12:00 - 1:15	Lunch Speakers: WPVGA Legislative Update – Jordan Lamb , DeWitt Ross LLP; Industry Awards.		
Breakout Sessions	Expo 1 Disease Management <i>Moderator Shane Hansen</i>	Expo 2 Crop Protection <i>Moderator Russ Groves</i>	Sands/Spruce Wisconsin Muck Meeting <i>Moderator Michelle Marks</i>
1:30 - 1:50	Aurelie Rakotondrafara - Strain-specific resistances contribute to the raise of the necrotic Potato virus Y strains in the field	Russell Groves - Heavy metals drive enhanced insecticide resistance	Lindsey du Toit - Onion bacterial disease - Knowledge gaps and a federal grant to 'Stop the Rot'
1:50 - 2:10	Shane Hansen & Amanda Gevens - Influence of seed-applied fungicide, moisture, and temperature on potato crop emergence and health	Donald Maum & Jeb Barzen - Qualitative monitoring of pollinator plantings on Healthy Grown farms	
2:10 - 2:30	Amanda Gevens & Stephen Jordan - Cultural and chemical management of potato pink rot	Sean Schoville - Genetic control of detoxification pathways in potato beetles	
2:30 - 3:30	Afternoon Break - Visit Exhibit Hall/Poster Session		
Breakout Sessions	Expo 1 Precision Agriculture <i>Moderator Ken Schroeder</i>	Expo 2 Market Development <i>Moderator Deana Knuteson</i>	Sands/Spruce Wisconsin Muck Meeting <i>Moderator Sofia Macchiavelli Giron</i>
3:30-3:50	Mallika Nocco & Alex Chisholm - Using drones for water and nitrogen management in the Central Sands	Deana Knuteson - Healthy Grown market update & Water Stewards program	Dan Heider - Timing and rate of 2,4-D on red potatoes and skin development
3:50 - 4:10	Felix Navarro - Using proximal sensing and hyperspectral imaging to better understand potato variety performance	Paul Fowler - Yield and purity gains from processing improvements in extraction of the commercially important antioxidant, chlorogenic acid, from potato vines.	Russell Groves - At-plant insecticide options to control the Colorado potato beetle in muck soils
4:10 - 4:30	Ammara Talib & Ankur Desai - What have we learned from continuous crop and forest evapotranspiration observations in the Central Sands?	Paul Mitchell - Wisconsin's comparative advantages in potato marketing	Sofia Macchiavelli Girón & Amanda Gevens - Updates on potato silver scurf management and azoxystrobin sensitivity
5:15 - 6:00	Social Hour		
6:00 - 10:00	WPVGA Associate Division Banquet		

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Thursday, February 6, 2020

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Time	General Session - Expo I & II <i>Moderator: Dr. Walter Stevenson</i>
8:00 - 8:30	New potato breeding methods and clones at UW-Madison - Dr. Jeff Endelman, Associate Professor, Department of Horticulture, University of Wisconsin-Madison
8:30 - 9:00	Proactive strategies to improve production efficiency of Wisconsin potatoes - Dr. Yi Wang, Assistant Professor, Department of Horticulture, University of Wisconsin-Madison
9:00 - 9:30	Disease updates and vision for seed potato pathology research in Wisconsin - Dr. Renee Rioux, Assistant Professor, Department of Plant Pathology, and Academic Director, Wisconsin Seed Potato Certification Program, University of Wisconsin-Madison
9:30 - 10:00	The future of potato weed management: Threats and solutions - Dr. Jed Colquhoun, Professor, Department of Horticulture, University of Wisconsin-Madison
10:00 - 10:15	Morning Break
10:15 - 10:45	Factors influencing insecticide resistance in the Colorado potato beetle - Dr. Russell Groves, Professor, Department of Entomology, University of Wisconsin-Madison
10:45 - 11:15	Considerations for foliar disease control in Wisconsin potato - Dr. Amanda Gevens, Associate Professor, Department of Plant Pathology, University of Wisconsin-Madison
11:15 - 11:45	Review and reassessment of enhanced efficiency fertilizers for potato production - Dr. Matthew Ruark, Professor, Department of Soil Science, University of Wisconsin-Madison
11:45 - 12:00	Thank you and concluding remarks - Mr. Tamas Houlihan, Executive Director, WPVGA
1:00 pm -	WPVGA Annual Meeting