

# 2024 WPVGA & UW Division of Extension, Grower Education Conference

Tuesday, February 6, 2024

Holiday Inn Hotel & Convention Center, Stevens Point WI

Time	General Session - Expo 1 and 2		
7:30 - 8:20 am	Registration & Visit Associate Division Industry Show (Show open 8:00am)		
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	Leverage points to decrease nitrate leaching from potato cropping systems - Dr. Steven Hall, Assistant Professor, Department of Plant and Agroecosystem Science, University of Wisconsin-Madison		
9:00 - 9:30 am	Maximum Return to Nitrogen for Potatoes - Dr. Paul Mitchell, Interim Associate Dean of Academic Affairs and Professor, Department of Agricultural and Applied Economics , University of Wisconsin-Madison		
9:30 - 10:30 am	Morning Break - Visit Exhibit Hall/Poster Session		
10:30 - 11:00 am	Enforcing the Endangered Species Act may soon limit pesticide use: making sense of a complex situation - Dr. Jed Colquhoun, Professor, Department of Plant and Agroecosystem Science, University of Wisconsin-Madison		
11:00 - 11:30 am	Adapting leaf spot management strategies in the face of fungicide resistance - Dr. Julie Pasche, Associate Professor, Department of Plant Pathology, North Dakota State University-Fargo		
11:30a - 12:00p	Using image analysis to breed for potato quality traits - Dr. Laura Shannon, Associate Professor, Department of Horticultural Science, University of Minnesota-St Paul		
12:00 - 1:15 pm	Lunch Break: National Potato Council Update - Mike Wenkel, COO, NPC   WPVGA Awards		
Breakout Sessions	Expo 1 - Agricultural Fundamentals (101)	Expo 2 - Water Quality and Quantity	Sands/Spruce - Soil Health
1:30 - 1:40 pm	Dr. Amanda Gevens - Disease management	Chuck Bolte - Water Flow & Phosphorus Monitoring in the Antigo Flats	Shan Shan & Richard Lankau - Investigating soil microbiomes that increase post-fumigation soil nutrient retention
1:40 - 1:50 pm	Dr. Matt Ruark - Soil health and fertility		
1:50 - 2:00 pm	Dr. Jed Colquhoun - Weed management	Haoran Wei - Rapid prescreening of trace imidacloprid in drinking water using concentration-dependent, surface-enhanced Raman spectroscopic patterns	Afona Irabor & Amanda Gevens - Effects of cover crops on potato soil health in the Central Sands of Wisconsin
2:00 - 2:10 pm	Dr. Jeff Endelman - Potato breeding		
2:10 - 2:20 pm	Dr. Yi Wang - Potato agronomics	Ankur Desai - Monitoring evapotranspiration in a Central Sands	Ashley Waggoner & Matt Ruark - Nitrogen use efficiency in potato and influence on soil health
2:20 - 2:30 pm	Dr. Paul Mitchell - Asset depreciation		
2:30 - 3:30 pm	Afternoon Break - Visit Exhibit Hall/Poster Session		
Breakout Sessions	Expo I - Bringing Value to Agriculture	Expo 2 - Potato Breeding	Sands/Spruce - Disease Management
3:30 - 3:50 pm	3:30 Craig McCloskey, Bluefield Seeding Solutions - Increase productivity and quality with more accurate seed placement	Paul Bethke - Diploid breeding for potato variety development	Julie Pasche - Exploring the roles of Verticillium Wilt and Black Dot in the Early Die Complex
3:50 - 4:10 pm	3:42 Tommy Roach, Nachurs - Practices which contribute to nutrient balance in potato production	Laura Shannon - Improving nitrogen use efficiency in potato	Jason Ingram - The technical aspects of tuber testing, where are we and where do we go from here
	3:54 Amanda Wilder, Provision Analytics - Digital Documentation in Agriculture		
4:10 - 4:30 pm	4:06 Chris Hunsaker, Acuitus Ag - Finding and fixing inefficiency in your harvest operations	Kenji Asano - Molecular breeding for potato cyst nematode and PVY resistance	Ken Frost - Potato soil health – challenges and opportunities
	4:18 Brian Manley, GreenLight Biosciences - Calantha™: a new bio-insecticide for effective, precise and environmentally friendly Colorado potato beetle control		
4:30 - 8:00 pm	Wisconsin Seed Potato Improvement Association and WPVGA Associate Division Reception		

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Wednesday, February 7, 2024			
Holiday Inn Hotel & Convention Center, Stevens Point WI			
Time	General Session - Expo 1 and 2		
7:30 - 8:15 am	Registration & Visit Associate Division Industry Show (Show open 8:00am)		
8:15 - 9:00 am	Potatoes USA updates and market summary - <b>Blair Richardson, President, Potatoes USA, Denver, CO</b>		
9:00 - 9:30 am	Species diversity of Dickeya and Pectobacterium causing blackleg and soft rot in potato - <b>Dr. Ken Frost, Associate Professor, Department of Botany and Plant Pathology, Oregon State University - Hermiston.</b>		
9:30 - 10:00 am	Work with your potatoes, not against them - <b>Dr. Paul Bethke, Research Geneticist and Professor, USDA-ARS and Department of Plant and Agroecosystem Science, University of Wisconsin-Madison</b>		
10:00 - 11:00 am	Morning Break - Visit Exhibit Hall/Poster Session		
11:00 - 11:30 am	Building access to make dormant tuber testing a routinely available tool; What’s needed? - <b>Mr. Jason T. Ingram, USDA-ARS, Emerging Pests and Pathogens Research Unit, Cornell University-Ithaca</b>		
11:30am - 12:00pm	What’s new in the Wisconsin State Climatology Office - <b>Dr. Steve Vavrus, Center for Climatic Research Assistant Director, Senior Scientist, and State Climatologist, Nelson Institute for Environmental Studies, University of Wisconsin-Madison</b>		
12:00 - 1:15 pm	Lunch Break WPVGA/State Legislative Issues Update - <b>Jordan Lamb, Attorney, The Welch Group</b>		
Breakout Sessions	Expo 1 - Potato Agronomics	Expo 2 - Water Quality Management	Sands/Spruce - Wisconsin Muck Meeting
1:30 - 1:50 pm	<b>Yi Wang</b> - Testing elite fresh market varieties in a low nitrogen environment	<b>Russ Groves and Ben Bradford</b> - Patterns of pesticide detections in Wisconsin's Central Sands	<b>Ms. Christy Hoepting, Senior Regional Vegetable Specialist, Cornell Cooperative Extension, Albion, NY</b> - Managing stemphylium leaf blight of onion with emerging fungicide resistance in New York.
1:50 - 2:10 pm	<b>Deana Knuteson</b> - Healthy grown long-range planning and links to national sustainability programs	<b>Emma Schmidt</b> - Emerging remediation strategies for groundwater nitrate pollution	
2:10 - 2:30 pm	<b>Yi Wang</b> - Evaluating effects of nitrogen "spoon feeding" on common seed potato varieties	<b>Jim Drought</b> - Methods for estimation of nitrate leaching and groundwater recharge	
2:30 - 3:30 pm	Afternoon Break - Visit Exhibit Hall/Poster Session		
Breakout Sessions	Expo 1 - Potato Storage Management	Expo 2 - Insect Pest Management	Sands/Spruce - Wisconsin Muck Meeting
3:30 - 3:50 pm	<b>Troy Fishler</b> - Tuber quality & storability profiles of full-season fresh market & processing chip potato cultivars	<b>Sean Schoville</b> - Spatiotemporal modeling of insecticide resistance in Colorado potato beetle	<b>Dr. Lindsey Du Toit, Distinguished Professor of Vegetable Seed Pathology &amp; Extension Plant Pathologist , Department of Plant Pathology, Washington State University, Mt. Vernon WA</b> - Applied outcomes and practical solutions emerging from the 'Stop the Rot' Coordinated Agricultural Project, USDA SCRI.
3:50 - 4:10 pm	<b>James Busse</b> - Skin quality of fresh market potatoes	<b>Dennis Halterman &amp; Mehdi Kabbage</b> - Application of small RNAs for control of early blight	
4:10 - 4:30 pm	<b>Amber Walker</b> - Multi-year screening for suitability of new and upcoming fresh market clones	<b>Aurelie Rakotondrafara</b> - Optimizing the delivery of virus-derived proteins to control fungal pathogens	
5:15 - 6:00 pm	Social Hour		
6:00 - 10:00 pm	WPVGA Associate Division Banquet		

**2024 WPVGA & UW Division of Extension, Grower Education Conference**  
**Thursday, February 8, 2024**  
**Holiday Inn Hotel & Convention Center, Stevens Point WI**

<b>Time</b>	<b>General Session - Expo 1 and 2</b>
8:00 - 8:30 am	Potato Breeding and Variety Development - <b>Jeff Endelman, Associate Professor, Department of Plant &amp; Agroecosystem Sciences, University of Wisconsin-Madison</b>
8:30 - 9:00 am	Using precision agriculture practices in sustainable vegetable production - <b>Yi Wang, Associate Professor, Department of Plant and Agroecosystem Sciences, University of Wisconsin-Madison</b>
9:00 - 9:30 am	Evaluating early generation seed potato production- <b>Brooke Babler, Associate Program Director, WSPCP Program, Department of Plant Pathology, University of Wisconsin-Madison.</b>
9:30 - 10:00 am	Managing risk of PVY spread in seed potato: avoidance in space - <b>Russ Groves, Professor and Chairperson, Department of Entomology, University of Wisconsin-Madison</b>
10:00 - 10:15 am	<b>Morning Break</b>
10:15 - 10:45 am	Integrated weed mananagement and water quality research update - <b>Jed Colquhoun, Professor, Department of Horticulture, University of Wisconsin-Madison</b>
10:45 - 11:15 am	Assessing the value of fungicide programs for potato early blight in Wisconsin - <b>Amanda Gevens, Professor and Chair, Department of Plant Pathology, University of Wisconsin-Madison</b>
11:15 - 11:45 am	Preliminary results from the national soil health project - <b>Matt Ruark, Professor, Department of Soil Science, University of Wisconsin-Madison</b>
11:45a - 12:00p	Thank you and concluding remarks - <b>Tamas Houlihan, Executive Director, Wisconsin Potato and Vegetable Growers Association</b>
12:00 pm	<b>Adjourn - and Thanks for your Attendance and Participation</b>
1:00 pm	<b>WPVGA Annual Meeting</b>