



Vegetable Crop Update

A newsletter for commercial potato and vegetable growers prepared by the University of Wisconsin-Madison vegetable research and extension specialists

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Agendas & further information for upcoming Wisconsin potato and vegetable grower meetings

Calendar of Events

January 13-15 – Wisconsin Crop Management Conference, Madison, WI
January 25-27 – Wisconsin Fresh Fruit & Vegetable Growers Conference, Wisconsin Dells, WI
February 3-5 – UWEX & WPVGA Grower Education Conference, Stevens Point, WI
February 26-28 - MOSES Organic Farming Conference, LaCrosse, WI

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Happy holidays to all! This newsletter highlights a few of our upcoming potato and vegetable educational conferences here in Wisconsin.

January 13-15, 2015 – Wisconsin Crop Management Conference, Coordinated by WABA/UW-CALS/UWEX, Alliant Energy Center, Madison, WI. The Vegetable Crops Session will be held on Thursday, January 15, 2015 and will include presentations on key production topics (see details below in Room Mendota 1). For a full meeting agenda and further logistics, please visit:

http://wiagribusiness.org/tradeshows/2015_advance_programLO.pdf

Thursday, January 15, 2015

Time	Mendota 1	Mendota 2-4	Mendota 5-8	Waubesa/Kegonsa
	Vegetable Crops <i>Moderator: Rich Grabarski, Allied Cooperative</i>	Nitrogen and Nutrient Management <i>Moderator: Eric Clark, WinField</i>	Disease Management <i>Moderator: Tom Hoffman, Central Wisconsin Cooperative</i>	Agribusiness Management <i>Moderator: Erik Huschitt, Badger State Ethanol</i>
9:00-9:50	Late blight and downy mildew updates in processing vegetable crops <i>Amanda Gevens, UW Madison</i> Co-application of the diamide insecticides in snap beans <i>Russ Groves, UW Madison</i>	Use of crop sensors for nitrogen management <i>Richard Ferguson, Univ. of Nebraska-Lincoln</i> Evaluation of Adapt-N for making N rate recommendations in Wisconsin and the Midwest <i>Carrie Laboski, UW Madison</i>	Making every seed count: Who's responsible for stand loss <i>Martin Chilvers, Michigan State Univ.</i> Fungicide use in alfalfa: What four years of research has taught us <i>Damon Smith, UW Madison</i>	Ag/manufacturing sales tax exemptions: What feed, fertilizer and grain equipment is exempt and what isn't <i>Jerome Leis, CliftonLarsonAllen, LLP</i>
10:00-10:50	Web-based pest and disease forecasting tool for enhanced processing vegetable crop management <i>Kenneth Frost, Amanda Gevens and Russ Groves, UW Madison</i> Implications of off-target herbicides near specialty crops <i>Jed Colquhoun, UW Madison</i>	Government agency panel on nutrient management <i>Pat Murphy, NRCS; Sara Walling, Wis. DATCP; Andrew Craig and Joseph Baeten, Wis. DNR</i>	DATCP update <i>Anette Phibbs, Wis. DATCP</i> Tools for better management of white mold on soybean <i>Damon Smith, UW Madison</i>	Recruiting good people for your agribusiness <i>Mark Washek, Ag One Source; Jim Fleming, Rich Connell Agri-Search; Megan O'Rourke, UW Madison</i>
11:00-11:30	Cover crops in processing crops <i>Erin Silva, UW Madison</i>	Groundwater nitrate and nitrogen use efficiency in Nebraska's Central Platte River Valley <i>Richard Ferguson, Univ. of Nebraska-Lincoln</i>	Soybean sudden death syndrome: plant infection and management <i>Martin Chilvers, Michigan State Univ.</i>	Legislative updates on issues important to agriculture <i>Shawn Pfaff, Pfaff Public Affairs</i>

January 25-27, 2015 – Wisconsin Fresh Fruit & Vegetable Growers Conference

Coordinated by WFFVGA/UW-CALS/UWEX, Kalahari Convention Center, Wisconsin Dells, WI. The Vegetable Track will be held on Monday January 26 and Tuesday January 27, 2015 and will include presentations on topics such as the benefits of varietal selection, technology on the farm, and updates in production management (see details below). For a full meeting agenda and further logistics, please visit:

<http://www.wisconsinfreshproduce.org/index.php?start=2>

Monday – January 26, 2015

Morning Theme: Benefits of varietal selection on vegetable management and marketability

8:00-8:30AM – Erin Silva, UW-Plant Pathology – Carrot varietal differences

8:30-9:15AM – Grower Panel - Gevens & Silva coordinating

9:15-9:45AM – Russ Groves, UW-Entomology – Variety selections for insect tolerance

9:45-10:15AM – Amanda Gevens, UW-Plant Pathology – Tomato and cucurbit varietal selections for disease control

10:15-10:30AM – BREAK

10:30-11:00AM – Julie Dawson, UW-Horticulture – Selecting vegetables for flavor: connecting chefs, farmers, and plant breeders

11:00-11:30AM – Jed Colquhoun, UW-Horticulture – Choosing vegetable varieties for enhanced weed management

Afternoon Theme: Information Technology & Farm Management Tools

2:00-2:30PM – P.J. Liesch, UW-Insect Diagnostic Clinic, Dept. of Entomology – Trends of 2014: Insects and the Insect Diagnostic Lab

2:30-3:00PM – Shelley Jansky, UW-Horticulture/USDA- Research updates: using unmanned aerial vehicles (UAVs or drones) in vegetable research

3:00-3:15 – BREAK

3:15-3:45PM – John Hendrickson, UW-CIAS – Tools and Strategies to Increase Farm Profit

3:45-4:15 – Russell Groves, UW-Madison, Dept. of Entomology – Implementing pest management through drip irrigation approaches

Tuesday – January 27, 2015

Morning Theme: Emerging Topics & Management Updates in Vegetable Production

8:00-8:30AM – Amanda Gevens, UW-Plant Pathology - Late blight and downy mildew updates in vegetable crops

8:30-9:00AM – Ginny Moore, Paul Mitchell, Erin Silva - UW-Ag Econ & Plant Pathology – Survey of cover cropping systems in WI

9:00-9:15AM – BREAK

9:15-9:45AM – Sarah Foltz Jordan, Xerces Society, Princeton, MN - Creating farm conditions for healthy pollinators

9:45-10:15AM – Erin Silva, UW-Plant Pathology – Updates in Produce Safety

10:15-10:30AM – BREAK

10:30-11:00AM – Jed Colquhoun, UW-Horticulture – Implications of off-target herbicides near specialty crops

11:00-11:30AM – Dan Heider, UW-Horticulture – Pesticide application technologies and safety

February 3-5, 2015 – UWEX & Wisconsin Potato & Vegetable Growers Association

Conference, Holiday Inn Convention Center, Stevens Point, WI. The full meeting agenda is included in this newsletter. For further details, please visit the website below and go to “Events” tab:

<http://wisconsinpotatoes.com/>

2015 UW Extension & WPVGA Grower Conference

Tuesday, February 3, 2015

Holiday Inn Hotel & Convention Center, Stevens Point WI

Time	General Session Expo 1 and 2 (Moderator T. Houlihan)		
7:30 - 8:20	Registration		
8:20 - 8:30	Welcome and opening remarks - Tamas Houlihan, Executive Director, Wisconsin Potato and Vegetable Growers Association		
8:30 - 9:00	Well drilling permit applications and environmental impacts - Eric Ebersberger, Hydrogeologist, Drinking Water and Groundwater Bureau, WI Department of Natural Resources		
9:00 - 9:30	Fumigation delivery and fumigation alternatives - Neil Gudmestad, University Distinguished Professor, North Dakota State University		
9:30 - 10:30	Morning Break - Visit Exhibit Hall/Poster Session		
10:30 - 11:00	The value of the neonicotinoid insecticide class - Paul Mitchell, Professor, Department of Agricultural Economics, University of Wisconsin - Madison		
11:00-11:30	Insecticide Resistance Management Fundamentals - Russ Groves, Associate Professor, Department of Entomology, University of Wisconsin - Madison		
11:30-12:00	Pollinator Health - Christelle Guedot, Assistant Professor, Department of Entomology, University of Wisconsin - Madison		
12:00 - 1:15	Lunch: Legislative Update - (1) Ron Kuehn, DeWitt Ross & Stevens , (2) Other		
Breakout Sessions	Expo 1 Nutrient Management (Mod. TBD)	Expo 2 Water Resource Conservation & Solutions (Panel Discussion)	Sands/Spruce Storage Management (Mod. Troy Fishler)
1:30 - 1:50	Keith Kelling - Phosphorus fertilizer management in potato production: A review	Facilitated Panel Discussion on Water Conservation and Potential Solutions. - Grower (L. Wysocki) - Village of Plover (D. Mahoney) - DNR (R. Smail)	Trot Fishler - Developing specific storage guidelines for new varieties
1:50 - 2:10	Matt Ruark - Environmental concerns of P management in potato production		Paul Bethke - Genetic and cultural mgmt solutions to improve potato storage quality
2:10 - 2:30	Mack Naber - On-farm comparisons of nitrogen fertilizers and water quality implications		Russ Groves - Influence of viral stresses on potato storage quality.
2:30 - 3:30	Afternoon Break - Visit Exhibit Hall/Poster Session		
Breakout Sessions	Expo 1 Environmental Quality (Mod. TBD)	Expo 2 Water Resource Mgmt (Mod. J. Wyman)	Sands/Spruce Variety Development (Mod. J. Endelman)
3:30 - 3:50	Jordan Lamb - Implications of the Clean Water Act	AJ Bussan - Approaches to more efficient irrigation	Lance Snodgrass - Wisconsin Fresh Market Variety Trial
3:50 - 4:10	Rick Graham - Groundwater quality assessments in Wisconsin	Lamar LaPorte & John Panuska - Technologies for measuring soil moisture and scheduling irrigation	Ruth Genger - Heirloom and Specialty Potato Variety Trials
4:10 - 4:30	Ben Bradford : Status of neonicotinoid detections	Steve Diercks - Balancing predictions and measurements of water use	Felix Navarro - Strategies for Variety Development: Evaluation of Elite Potato Clones from the US and Beyond
4:30 - 6:00	Wisconsin Seed Potato Improvement Association and WPVGA Associate Division Reception		

2015 UW Extension & WPVGA Grower Conference
Wednesday, February 4, 2015
Holiday Inn Hotel & Convention Center, Stevens Point WI

Time	General Session Expo 1 and 2 (Mod. TBD)		
8:00 - 8:30	US Potato Board Industry Update - John Toaspern , Chief Marketing Officer USPB and Mike Carter , CEO Bushmans' Inc. , and USPB Executive Committee member		
8:30 - 9:00	Wisconsin Nutrient Management Updates: Implementation of 590 Standards - Pat Murphy , Wisconsin Resource Conservationist, Natural Resources Conservation Service, Wisconsin		
9:00 - 9:30	Consumer acceptance and strategies for developing markets for Innate technologies - Joe Guenther , Professor Emeritus, University of Idaho.		
9:30 - 10:30	Morning Break - Visit Exhibit Hall/Poster Session (Mod. J. Wyman)		
10:30 - 11:00	Well siting challenges and permit applications in the Central Sands - Charlie Andrews , Groundwater Hydrologist, S.S. Papadopoulos & Associates, Inc.		
11:00 - 11:30	Update on the Little Plover River Project - Ken Bradbury , Wisconsin Geology and Natural History Survey		
11:30 - 12:00	Ground penetrating radar - the influence on Central Sands hydrology - David A. Hart , GIS Specialist, University of Wisconsin Sea Grant Institute		
12:00 - 1:15	Lunch - (1) John Keeling , NPC, and (2) Industry Awards		
Breakout Sessions	Expo 1 Disease Management (Mod. J. Crane)	Expo 2 Durable Disease Resistance (Mod. T. Fishler)	Sands/Spruce Wisconsin Muck Meeting (Mod. K. Williams)
1:30 - 1:50	Amanda Gevens - Late Blight management update	Dennis Halterman - Improved genetic resistance solutions for potato	Beth Gugino - Managing bacterial diseases of dry-bulb onion
1:50 - 2:10	Neil Gudmestad - Biorational technologies for the control of early dying.	Aurelie Rakotondrifara - Long-term resistance potential for PVY mgmt	
2:10 - 2:30	Amy Charkowski - Emerging necrotic viruses in potato	Ana Christina Fulladolsa-Palma - New surveillance tools for PVY detection	George Bird - Nematode complex in muck crops and control
2:30 - 3:30	Afternoon Break - Visit Exhibit Hall/Poster Session		
Breakout Sessions	Expo 1 Novel Technologies In Agric. (TBD)	Expo 2 Product Tracability and Food Safety (Mod. D. Rady)	Sands/Spruce Wisconsin Muck Meeting (Mod. K. Williams)
3:30-3:50	Shelley Jansky , - Research applications of unmanned aerial vehicles	Dana Rady , - Discussion about Food Safety and why it's important to get involved	Julia Crane , Management of blemish diseases in red potatoes grown in muck soils
3:50 - 4:10	John Couture - Applications of spectroscopy in agriculture		Paul Bethke , Potato development and skin set in fresh market red varieties
4:10 - 4:30	Brian Luck - Emerging data collection technologies and data sharing	Todd Baggett & Carol Golsch , - PTI and FSMA; What's next?	Amanda Gevens - Adaptive fungicide management programs on onions
5:15 - 6:00	Social Hour		
6:00 - 10:00	WPVGA Associate Division Banquet		

2015 UW Extension & WPVGA Grower Conference
Thursday, February 5, 2015
Holiday Inn Hotel & Convention Center, Stevens Point WI

Time	General Session Expo 1 and 2 (Mod. TBD)
8:00 - 8:30	Jeff Endelman, UW Horticulture - New strategies and varieties in the UW breeding program
8:30 - 9:00	Matt Ruark, UW Soil Science - Timing of nitrogen inputs to potato
9:00 - 9:30	Ann MacGuidwin, UW Plant Pathology - Precision Management of Nematodes and Potato Early Dying
9:30 - 10:00	Amy Charkowski, UW Plant Pathology - Early generation seed and NFT production curves for improved seed quality
10:00 - 10:15	Morning Break
10:15 - 10:45	Russ Groves, UW Entomology - Landscape management of potato pests and pathogens
10:45 - 11:15	Jed Colquhoun, UW Horticulture - Implications of off-target herbicides near potato production
11:15 - 11:45	Amanda Gevens, UW Plant Pathology - Building fungicide programs to manage resistance in early blight pathogen populations
11:45 - 12:15	Mike Drilias, UW Horticulture - Management Strategies for new round white chipping varieties
12:15	Adjourn - <i>and Thanks for your Attendance and Participation</i>
1:00	WPVGA Annual Meeting