

# Wisconsin Crop Manager

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## Meet Rodrigo Werle, New UW-Madison Extension Cropping Systems Weed Scientist

Rodrigo Werle recently joined UW-Madison as an Assistant Professor and Extension Cropping Systems Weed Scientist. He will establish a research program that focuses on agroecologically-based approaches to address sustainable weed management in corn, soybeans, and small grains. It will also focus on weed management strategies that can help protect water quality, enhance agroecosystems services and increase food security.

Training growers, crop scouts, and agronomists on proper weed identification, herbicide selection, and application in collaboration with the UW-Extension Pesticide Applicator Training Programs will be one of his efforts. The development of multimedia tools (e.g. YouTube videos and mobile apps) that can make information readily accessible to growers and agronomists will also be part of his outreach program.

Rodrigo was born in a small farming community of Dutch immigrants in the state of Sao Paulo, in southeastern Brazil. His early passion for agriculture led him to earn a Bachelor's Degree in Agronomy from Sao Paulo State University, Brazil. He earned his MS and PhD in Agronomy from the University of Nebraska-Lincoln.

As a PhD student, he evaluated the distribution and mechanism of acetolactate synthase (ALS) herbicide resistance in grasses, and developed a simulation model to assess management options to mitigate the risk of ALS resistance evolution in shattercane in potential ALS-tolerant sorghum (Inzen technology, DuPont) production areas of the Great Plains.

The results of his PhD work assisted DuPont with the development of the Best Management Practices for the Inzen technology, which is expected to become commercially available in 2018. He received Outstanding Graduate Student Awards from the North Central Weed Science Society (2013) and Weed Science Society of America (2016). From April 2016 through December 2017, Rodrigo represented UNL as an Assistant Professor and Cropping Systems Specialist at the West Central Research and Extension Center. The objective of his program was to conduct research and extension programming to increase profitability, productivity and sustainability of irrigated and dryland cropping systems with limited water in Nebraska and beyond.

Rodrigo is excited to join the team and provide Wisconsin stakeholders research-based information for weed management.

## Contact Information:

Department of Agronomy

University of Wisconsin-Madison

1575 Linden Drive, Madison, WI 53706

Email: [rwerle@wisc.edu](mailto:rwerle@wisc.edu)

Office: 608-262-7130

Twitter: @WiscWeeds

<https://agronomy.wisc.edu/rodrigo-werle/>

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## NPM Program Announces Two New Employees

The University of Wisconsin-Madison & Extension Nutrient and Pest Management (NPM) Program is pleased to announce two staff additions.

Ashley Lorence is the North-central Regional Outreach Specialist for the NPM Program. Ashley comes to Wisconsin from Kansas State University where she recently received a M.S. degree in Agronomy with an emphasis on precision agriculture/soil science. Ashley will be on the UW-Madison campus for a five to six-month period and then will relocate to an office in north-central Wisconsin. Ashley's phone number is 608-381-6702 and her e-mail address is [alorence@wisc.edu](mailto:alorence@wisc.edu).

Jamie Patton is the Northeast Regional Outreach Specialist for the NPM Program. Jamie is well known in the state after serving as the Shawano County UW-Extension Crops & Soils Agent for nearly five years. Jamie's expertise is in soil health, cover crops, and nutrient management/soil science. Jamie's phone number is 608-807-8530 and her e-mail address is [jjpatton2@wisc.edu](mailto:jjpatton2@wisc.edu).

The purpose of these positions is to deliver university research-based nutrient and pest management educational programs, in conjunction with county and regional partners, that promote farm management practices for protecting water quality while maintaining or improving farm profitability.

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## Wisconsin Industrial Hemp Production FAQ Guide

Shawn Conley, State Soybean and Small Grains Specialist

Wisconsin growers will be able to grow and process industrial hemp under 2017 Wisconsin Act 100, a law recently passed by the Legislature and signed by the Governor. The law directs the Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP) to write an emergency administrative rule that will spell out the details of the program, including requirements for growers.

This document will be updated as new information becomes available. The Wisconsin DATCP will complete an emergency rule by March 2, 2018. This rule will remain in effect until July 2020 or until a permanent administrative rule is approved. Please consult the official DATCP and State of Wisconsin websites for official information.

To view the full article, follow the link below.

<http://coolbean.info/2018/02/07/wisconsin-industrial-hemp-production-a-basic-faq-guide-for-growing-an-old-crop-in-a-new-era/>

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## Soybean Yield Gap Data Collection

Shawn Conley, State Soybean and Small Grains Specialist

We are embarking on a Region-Wide Project aimed at generating baseline producer data on current soybean management practices in Wisconsin's production systems. This project is funded by the Wisconsin Soybean Marketing Board and the North Central Soybean Research Program (NCSRP). The project goal is to identify the key factors that preclude the State's Soybean Producers from obtaining yields that should be potentially possible on their respective individual farms.

The term used for the difference between what yield is possible on your farm each year and what you yield you actually achieve is called a "Yield Gap". We are therefore asking Crop Producers in Wisconsin to provide us with yield and other agronomic data specific to their soybean production fields. With that data, we will conduct an in-depth analysis of what on-farm factors might be causing a Yield Gap on your farms. To date we have collected data from across the North Central soybean production region from a total of 6251 soybean fields, representing 501,837 acres!!! Talk about BIG DATA!!!

Please go to [www.coolbean.info](http://www.coolbean.info) or click to view initial results from data collected the last two years growing seasons: [Key Management Practices That Explain Soybean Yield Gaps Across the North Central US.](#)

Click here to review a detailed set of [Guidelines for Data Collection](#)

Click here to download a fillable PDF [Data Collection Form](#)

Please email all forms back to Dr. Shawn P. Conley:

[spconley@wisc.edu](mailto:spconley@wisc.edu)

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## 2017 Wisconsin Soybean Contest Winners Announced

Shawn Conley, State Soybean and Small Grains Specialist

The 1st place winner in Division 4, RnK DeVoe Farms of Monroe, grew DuPont Pioneer P31T77R and harvested 93.15 bu/a. In second place, Bahr Farms Inc. of Darlington grew Asgrow AG2535 and harvested 90.19 bu/a. In Division 3, Steve Wilkens of Random Lake won 1st place with NK S21-M7 Brand at 89.39 bu/a, and in 2nd place, Jim Salentine of Luxemburg harvested 75.19 bu/a with Steyer 1401L. In Division 2, Bork Farms of Grand Marsh achieved 91.49 bu/a from LG Seeds C2020R2 for first place. In 2nd place, Peavey Farms of Woodville harvested 76.47 bu/a from Croplan R2C1400 soybeans. In Division 1 at 67.02 bu/a was David Lundgren from Amery who planted Croplan R2C1572. 2nd place winner in Division 1 was Dawn Lundgren from Amery. She harvested 64.22 bu/a from DuPont Pioneer P16A35X.

Bork Farms of Grand Marsh was also the winner of the Soybean Quality contest with 2,970 pounds of protein plus oil per acre.

The contest is sponsored by the WI Soybean Program and organized to encourage the development of new and innovative management practices and to show the importance of using sound cultural practices in WI soybean production.

For more information please contact Shawn Conley, WI State Soybean Specialist at 608-262-7975 or [spconley@wisc.edu](mailto:spconley@wisc.edu)

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## UW-River Falls Field Scout Training Class March 13-14

Bryan Jensen, UW Extension

Just a quick reminder that the University of Wisconsin-River Falls, UW-Extension and the Integrated Pest

Management Program are co-sponsoring the IPM Field Scout Training Class which will be held March 13-14, 2018 on the UW-River Falls campus. Non-student registration fee is \$100/person and covers the cost of the training program and the Field Crop Scout Training Manual.

This training session will provide basic and applied classroom and laboratory instruction. Primary focus will be on weeds, disease and insect identification, nutrient deficiency symptoms, soil and plant tissue sampling for field crops. Click here for the complete schedule. Thirteen Pest Management and 3 Nutrient Management CEU's have been approved.

For questions on content or registration, please contact Bryan Jensen (608-263-4073, [bmjense1@wisc.edu](mailto:bmjense1@wisc.edu)). For online registration, please go to

<https://patstore.wisc.edu/ipm/register.aspx>.

To register by check, send name, phone number, address and email address with a check payable to UW-Extension to:

Bryan Jensen

Dept. of Entomology

1630 Linden Drive

Madison, WI 53706

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## CCA Board Election

Bryan Jensen, UW Extension and IPM Program

The Wisconsin CCA Board is now accepting nominations for four positions on the WI CCA Board. The nominee must be a CCA in good standing and submit a short biography (up to ½ page) by Friday, March 16, 2018. Please consider nominating yourself or another qualified CCA. The board meets 3-4 times/year and each term lasts three years. There is a two term limit.

Anticipated election timeline:

Nomination deadline: March 16, 2018

Electronic Ballot emailed: Approximately March 23, 2018

Voting Deadline: April 13, 2018

Notification of results: mid-late April, 2018

\*\*Biographies should be submitted by the March 16, 2018 deadline to Bryan Jensen, [bmjense1@wisc.edu](mailto:bmjense1@wisc.edu)

Please email or call Bryan (608-263-4073) if you have questions.

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## Wisconsin Fruit News- February 2, 2018

Janet van Zoeren and Christelle Guédot, UW-Extension

<https://go.wisc.edu/0338ow>

The Guedot Lab has summarized some of our research findings from the summer of 2017, as well as looking ahead toward 2018. In this issue of the newsletter you can read about:

- Japanese beetles in vineyards
- Wasps in vineyards
- Spotted wing drosophila in different varieties of tart cherries
- Brown marmorated stink bug seasonal phenology

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## UW/UWEX Plant Disease Diagnostic Clinic (PDDC) Update February 2

Brian Hudelson, Sue Lueloff, John Lake and Ann Joy

The PDDC receives samples of many plant and soil samples from around the state. The following diseases/disorders have been identified at the PDDC from January 27, 2018 through February 2, 2018.

The 2/2/18 PDDC Wisconsin Disease Almanac (i.e., weekly disease summary) is now available at:

<https://pddc.wisc.edu/wp-content/uploads/sites/39/2018/02/FullTable020218.pdf>

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## UW/UWEX Plant Disease Diagnostic Clinic (PDDC) Update February 9

Brian Hudelson, Sue Lueloff, John Lake and Ann Joy

The PDDC receives samples of many plant and soil samples from around the state. The following diseases/disorders have been identified at the PDDC from February 3,

2018 through February 9, 2018.

The 2/9/18 PDDC Wisconsin Disease Almanac (i.e., weekly disease summary) is now available at:

<https://pddc.wisc.edu/wp-content/uploads/sites/39/2018/02/FullTable020918.pdf>

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