

# Wisconsin Crop Manager

Volume 23 Number 19 --- University of Wisconsin Crop Manager --- July 7, 2016

## Contents

Wisconsin White Mold Risk Map – July 5, 2016 .....	89
2016 DATCP Soybean Phytophthora Survey Update .	89
Insect Notes .....	90
Wisconsin Cover Crops Conference .....	90
UW-Madison/Extension Plant Disease Diagnostic Clinic (PDDC) Update .....	91
Vegetable Crop Update July 1, 2016 .....	91
Wisconsin Pest Bulletin for 7-7-16 .....	92

## Wisconsin White Mold Risk Map – July 5, 2016

Damon L. Smith, Extension Field Crops Pathologist, University of Wisconsin-Madison

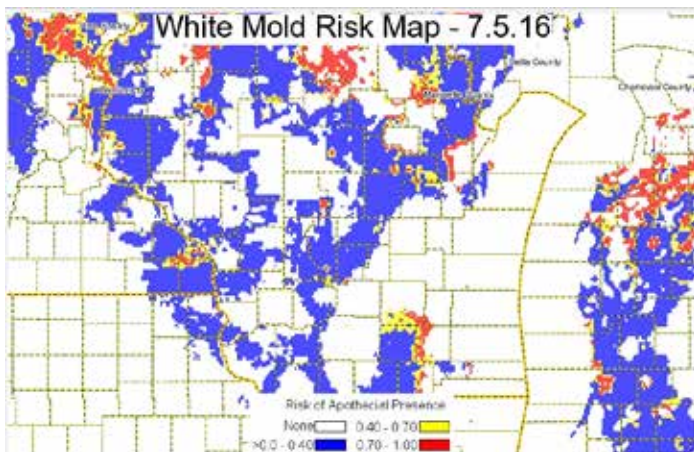
Jaime Willbur, Graduate Research Assistant, University of Wisconsin-Madison

### Sclero-cast: A Soybean White Mold Prediction Model

*\*\*This tool is for guidance only and should be used with other sources of information and professional advice when determining risk of white mold development. We encourage you to read the [model how-to guide which can be downloaded by clicking here](#)\*\**

Risk of apothecial presence and subsequent white mold development remains generally low for most of Wisconsin today. Risk has increased slightly across the state over the holiday weekend with some isolated pockets in the northern and south-central areas of the state. The UW Field Crops Pathology crew has been scouting for apothecia in fields in the soybean growing areas of south and central Wisconsin and HAVE NOT found any apoth-

ecia. This confirms the generally low risk currently being predicted by the model. Growers near higher risk pockets should monitor the soybean crop for closing canopy and flowering growth stages that may lead to increased risk of white mold. We have seen numerous fields this week already in the R1 growth stage. Be sure to consult the how-to guide for assistance in interpreting this map if you are considering spraying fungicide to control white mold.



[Wisconsin White Mold Risk in Soybean – July 5, 2016](#)

## 2016 DATCP Soybean Phytophthora Survey Update

Anette Phibbs, Plant Industry Laboratory Director, Wisconsin Department of Agriculture, Trade and Consumer Protection

Damon L. Smith, Extension Field Crops Pathologist, University of Wisconsin-Madison

Brown discoloration of a soybean stem as a result of infection by *Phytophthora sojae*. Photo Credit: Craig Grau.

The Wisconsin Department of Agriculture, Trade, and Consumer Protection (DATCP) pest survey team collected soybean seedlings from 30 fields in eleven counties



Brown discoloration of a soybean stem as a result of infection by *Phytophthora sojae*. Photo Credit: Craig Grau.

(Crawford, Dane, Fond Du Lac, Dodge, Grant, Green, LaFayette, Iowa, Jefferson, Racine and Rock Cos.) in Wisconsin in 2016. **As of June 30, 11 of the 30 fields, or 36.6% have tested positive for *Phytophthora sojae*.** The DATCP team is planning to collect 20 more samples including northern soybean growing areas in the state. Additionally, detection for other *Phytophthora* species will be performed once all samples are collected.

For information about *Phytophthora* root and stem rot caused by *P. sojae*, [CLICK HERE](#) to download a fact sheet. Additionally, you can visit the soybean disease page by [CLICKING HERE](#) and scrolling down to "Phytophthora root and stem rot."

---

## Insect Notes

Bryan Jensen  
UW Extension and IPM Program

No crystal ball here, just a few quick notes on potential insect problem to be aware of.

**Japanese Beetles:** We haven't seen peak Japanese Beetle emergence yet but that doesn't mean it is too early to start looking. The warmer than usual winter may be beneficial to survival. In soybean, look for adults and/or their defoliation around field edges. In corn, monitor for silk clipping during pollination. Japanese Beetles tend to feed in aggregations so finding damage can be difficult.

**Soybean Aphid:** Very few reports so far, however, people are finding them. Mostly low numbers with a low percentage of plants infested/field. But it still is a good time to be spot-checking fields.

**European corn borer:** I expect damage to be very light this year. However, for the occasional field, the best treat-

ment period for first generation will soon be coming to an end in northern Wisconsin. If you do find a field with a significant damage, make sure the larvae are still feeding in the whorl before treating.

**Potato leafhopper:** The next few weeks will be critical for population buildup and damage to alfalfa. New seedlings should be checked. Sweep established stands as well but don't over commit unless you are finding levels above threshold.

**Rootworm beetles:** We will start to see emergence of adults soon. Populations have been relatively low over the last two years but do keep an eye out for any early (or late) pollinating corn for silk clipping. Lodging from larval feeding may be observed if we get high winds/rains on the most advanced fields in the near future. Remember to investigate lodged field for signs of larval feeding. Don't assume all lodging is from rootworm feeding. We are still over a month away from significant egg laying.

**Western bean cutworm:** Damage was low in 2015. The most advanced fields within an area are likely candidates for oviposition.

---

## Wisconsin Cover Crops Conference

Tuesday August 30, 2016  
9:00 am to 4:00 pm  
Starts and ends at the Grant County UW-Extension Office:  
Youth & Agriculture Center  
916 E Elm Street, Suite A  
Lancaster, WI 53813-0031

The theme of this year's conference is "Coupling soil quality and economics" featuring a bus tour of cover crop research at the UW Lancaster Agricultural Research Station, and a tour of farms who have incorporated cover crops into their operations to improve the bottom line.

### Agenda

**8:00-9:00 Registration and refreshments**

**9:00 Welcome and General Session**

*Why use cover crops? Helping other farmers adopt the practice*

Jeff Endres, Endres Berryridge Farms, Waunakee  
Jeff is President of the Yahara Pride Watershed Group and a National Wildlife Federation Cover Crop Champion for Wisconsin.

How USDA's new risk management program supports diversification

Margaret Krome, Michael Fields Agricultural Institute

#### 10:00 Bus Tour

Economics of frost seeding red clover in winter wheat: nitrogen credits for corn and yield response

Jim Stute, Michael Fields Agricultural Institute

Grass cover crops following corn silage and manure application

Matt Ruark, UW Soil Science/ UW Extension

Interseeding cover crops in corn and soybean

Dan Smith, UW Nutrient and Pest Management Program

Bill Meyer, UW Lancaster Agricultural Research Station

Winter rye after corn silage, Air-flowed mixes after wheat using vertical tillage

Gary Stelpflug, Lancaster

Winter rye after corn silage: forage yield and quality

Steve Adrian, Glen Haven

Registration is required by August 20 to assist with event planning. On-line registration is encouraged and is available on the Michael Fields Institute website: [www.michaelfields.org](http://www.michaelfields.org)

To register by email contact: Wisconsin Cover Crops Conference, [WCCC@michaelfields.org](mailto:WCCC@michaelfields.org)

To register by phone contact: Ted Bay, Grant County UW-Extension, (608)723-2125

Cost of the conference is \$30 which includes lunch and materials (fee waived for NRCS personnel). Five CEUs in crop management are available. For more information contact Jim Stute: (262) 642-3303, extension 112 or [jstute@michaelfields.org](mailto:jstute@michaelfields.org)

---

## UW-Madison/Extension Plant Disease Diagnostic Clinic (PDDC) Update

Brian Hudelson, Sean Toporek, 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 June 25, 2016 through July 1, 2016.

**Plant/Sample Type, Disease/Disorder, Pathogen, County**

### Field Crops

Corn, Anthracnose, *Colletotrichum graminicola*, Calumet, Columbia, Dodge, Waushara

Corn, Northern Corn Leaf Blight, *Exserohilum turcicum*, Buffalo, Dane, Dodge, Sauk, Jefferson

### Forage Crops

Alfalfa, [Aphanomyces Root Rot/ Seedling Blight](#), *Aphanomyces euteiches*, Dane

### Fruit Crops

Grape, Anthracnose, *Spaceloma ampelinum*, Buffalo

Grape, Black Rot, *Phyllosticta ampellicida*, Wood

Grape, [Downy Mildew](#), *Plasmopara viticola*, Green Lake

Peach, [Peach Leaf Curl](#), *Taphrina deformans*, Walworth

Peach, Prunus Necrotis Ringspot (Suspected), *Prunus*

*necrotic ringspot virus*, Marquette

Raspberry, Cane Blight, *Coniothyrium fuckelii*, Winnebago

Raspberry, [Root/Crown Rot](#), *Pythium sp.*, *Fusarium sp.*, *Cylindrocarpon sp.*, Winnebago

### Vegetable Crops

Asparagus, Fusarium Root/ Crown Rot, *Fusarium oxysporum*, Dane

Chard, Alternaria Leaf Spot, *Alternaria sp.*, Vernon

Lettuce, Bacterial Leaf Spot, *Xanthomonas sp.*, Vernon

Potato, Black Leg, *Dickeya sp.*, Portage

Snap Bean, [Herbicide Damage](#), None, Dane

Tomato, Cucumber Mosaic, *Cucumber mosaic virus*, Ashland

Tomato, [Early Blight](#), *Alternaria solani*, Oneida

Tomato, [Herbicide Damage](#), None, Dane

Tomato, Tobacco Mosaic, *Tobacco mosaic virus*, Ashland

### Specialty Crops

Ginseng (American), [Phytophthora Root Rot](#), *Phytophthora cactorum*, Delta (MI)

Ginseng (American), Rhizoctonia Root Rot, *Rhizoctonia sp.*, Delta (MI)

For additional information on plant diseases and their control, visit the PDDC website at [pddc.wisc.edu](http://pddc.wisc.edu).

---

## Vegetable Crop Update July 1, 2016

16th issue of the Vegetable Crop Update is now available. In this newsletter we focus on:

- Potato disease forecasting updates (PDays, DSVs)
- Late blight and cucurbit downy mildew national updates

- Onion Stemphylium - symptoms and management (Luna Tranquility fungicide is now registered for onion)
- UW-Ag Research Station Field Day agendas for Rhinelander (7/14) and Hancock (7/28)

[Click here to view this update.](#)

---

## Wisconsin Pest Bulletin for 7-7-16

Krista Hamilton, Entomologist, WI Dept of Agriculture, Trade and Consumer Protection

Volume 61 Issue No. 10 of the Wisconsin Pest Bulletin is now available at:

<https://datcpservices.wisconsin.gov/pb/pdf/07-07-16.pdf>

### INSIDE THIS ISSUE

**LOOKING AHEAD:** Summer flight of western bean cutworm moths underway

**FORAGES & GRAINS:** Potato leafhopper counts still below-threshold

**CORN:** First corn rootworm beetles of the season noted this week

**SOYBEAN:** Soybean aphid densities remain extremely low

**FRUITS:** Apple maggot flies captured in southeastern WI orchards

**VEGETABLES:** Squash bugs and tomato hornworms appearing in home gardens

**NURSERY & FOREST:** Leaf spot diseases and flea beetles observed during recent inspections

**DEGREE DAYS:** Growing degree day accumulations as of July 6, 2016

---

Follow us on

