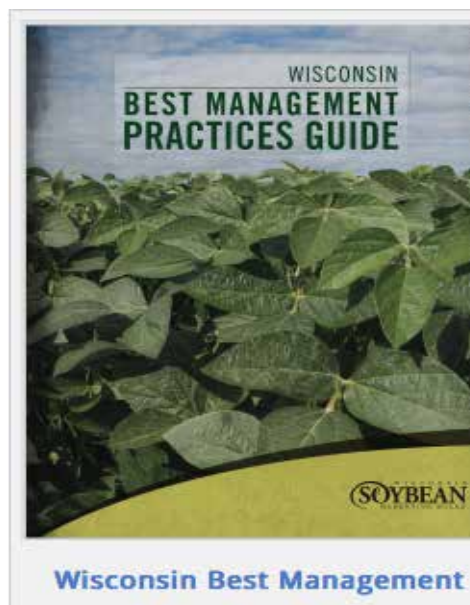


Wisconsin Crop Manager

Volume 22 Number 26 --- University of Wisconsin Crop Manager --- September 10, 2015

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Hot Off the Press: Wisconsin Best Management Practices Guide for Soybean

Damon Smith, Extension Field Crops Pathologist, Department of Plant Pathology, University of Wisconsin-Madison

Shawn Conley, Extension Soybean and Small Grains Specialist, Department of Agronomy, University of Wisconsin-Madison

Hot off the press is the new Wisconsin Soybean Marketing Board and Soy Checkoff sponsored publication "Wisconsin Best Management Practices Guide". The publication covers everything from agronomy 101 to pest management and soil sampling, which is all tailored to Wisconsin soybean production. Look for a copy in your next Beyond the Bean Publication or download a PDF version by [CLICKING HERE!](#)

Soil Sampling Season Just Around the Corner

Fall is the ideal time of year to conduct routine soil sampling of your cropland. Not only are there typically more favorable weather conditions for soil sampling as compared to the spring season, but it will also give you the winter months to think about upcoming management decisions based on the soil analysis.

The University of Wisconsin Nutrient and Pest Management Program has a short how-to video on soil sampling basics. The video provides viewers a quick guide on how to prepare for soil sampling, how to soil sample, and how to fill out the soil sample submission sheet to take to the soil testing laboratory. The video 'Basic Soil Sampling for Wisconsin Agriculture' can be viewed from the Integrated Pest and Crop Management YouTube channel at <https://>

www.youtube.com/watch?v=SwBZp_AXy0Y, or click below.



When sampling soils for testing and obtaining fertilizer and lime recommendations, it is important to obtain samples that accurately represent the field from which they were taken. Accurate soil sampling will ensure that the estimated amount of nutrients that should be applied to the field provide the greatest economic return to the farmer. They will also provide information on the variation that exists in the field and show how nutrients are distributed across the farm, as well as provide a basis for monitoring the change in farm fertility over time.

Also available from the University of Wisconsin Extension is publication A2100, 'Sampling Soils for Testing'. This publication addresses various soil sampling strategies, sampling procedures, as well as other considerations when practicing no-till or various tillage systems. The publication A2100 can be downloaded for free at <http://learningstore.uwex.edu>. The publication is available in the 'Farming' category, under 'Soils', and 'Soil Fertility'. Contact your County Agriculture Extension Agent with questions.

Brown Stem Rot in Soybean

This short video from Damon Smith and UW-Madison IPM, shows how to tell BSR from SDS in soybean fields.



Wisconsin Pest Bulletin 8-27-15

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

Issue No. 19 of the Wisconsin Pest Bulletin is now available at:

<https://datcpservices.wisconsin.gov/pb/pdf/08-27-15.pdf>

PLEASE NOTE: This is the last regularly scheduled bulletin of 2015. A final summary issue will be published in November upon completion of the fall pest surveys. THANK YOU to the many cooperators, farmers, county agents and consultants who contributed their time and expertise to the survey program again this season. Best wishes for a safe and successful fall harvest.

INSIDETHISISSUE

LOOKING AHEAD: First significant corn earworm migration documented from Aug 20-26

FORAGES & GRAINS: Potato leafhopper counts remain below-threshold

CORN: Preliminary results of the annual corn rootworm beetle survey

SOYBEAN: Soybean aphid survey finds mostly low or moderate populations

FRUITS: Apple growers advised to lookout for brown marmorated stink bug this fall

VEGETABLES: Late blight confirmed in 12 Wisconsin counties to date

NURSERY & FOREST: Reports from this week's nursery inspections

DEGREE DAYS: Growing degree day accumulations through August 26, 2015

Vegetable Crop Update August 28, 2015

Amanda J. Gevens, Assistant Professor & Extension Vegetable Plant Pathologist

The 29th issue of the Vegetable Crop Update is now available which includes the following topics:

- early blight and late blight forecasts

- late blight updates and management for late season/harvest
- potato tuber blemish disease management
- downy mildew updates for cucurbits
- UW West Madison ARS Organic Vegetable Field Day agenda (Dr. Julie Dawson, UW-Hort)

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

Vegetable Crop Update with Organic Late Blight Control September 5, 2015

Amanda J. Gevens, Assistant Professor & Extension Vegetable Plant Pathologist

The 30th issue of the Vegetable Crop Update is now available which includes the following topics:

- early blight and late blight forecasts
- late blight updates for tomato and potato
- downy mildew updates for cucurbits

Also Included is the organic late blight management document that includes symptom info as well as Frequently Asked Questions about late blight including how to destroy plants, safety of consumption, etc... This is appropriate for organic, small, and home garden producers. [Click here to view this update.](#)

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

Brian Hudelson, Sean Toporek, Catherine Wendt, Claire Wisniewski, 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 August 22, 2015 through August 28, 2015.

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

Field Crop

Corn, Eyespot, *Kabatiella zeae*, Iowa, Rusk

Corn, Fusarium Root Rot, *Fusarium oxysporum*, Rusk, Jo Daviess

Corn, Gray Leaf Spot, *Cercospora sp.*, Iowa

Corn, Northern Corn Leaf Blight, *Exserohilum turcicum*, Rusk

Corn, Purple Leaf Sheath, None, Rusk

Soybean, Bacterial Blight, *Pseudomonas syringae pv. glycinea*, Sauk

Soybean, Downy Mildew, *Peronospora manshurica*, Sauk

Soybean, Root Rot, *Fusarium sp.*, Sauk

Soybean, Sclerotinia Stem Rot, *Sclerotinia sclerotiorum*, Dane

Soybean, Stem Canker, *Phomopsis sp.*, Dane

Soybean, Sudden Death Syndrome, *Fusarium virguliforme*, Buffalo

Fruit Crops

Blueberry, Chlorosis, None, Milwaukee

Vegetables

Celery, Cucumber Mosaic, *Cucumber mosaic virus*, Dane

Celery, Tobacco Mosaic, *Tobacco mosaic virus*, Dane

Potato, Bacterial Soft Rot, *Miscellaneous soft rot bacteria*, Portage

Potato, Verticillium Wilt, *Pseudoperonospora cubensis*, Dane

Squash (Winter), Powdery Mildew, *Oidium sp.*, Dane

Squash (Winter), Downy Mildew, *Pseudoperonospora cubensis*, Dane

Tomato, Cucumber Mosaic, *Cucumber mosaic virus*, Outagamie

Tomato, Late Blight, *Phytophthora infestans*, Kenosha, Wood

Tomato, Septoria Leaf Spot, *Septoria lycopersici*, Dane

Tomato, Tobacco Mosaic, *Tobacco mosaic virus*, Outagamie

Soil

Alfalfa Soil, Aphanomyces Seedling Blight, *Aphanomyces euteiches race 2*, Wood

Soybean Soil, Soybean Cyst Nematode, *Heterodera gly-*

cines, Eau Claire, Iowa, Jefferson

For additional information on plant diseases and their control, visit the PDDC website at pddc.wisc.edu

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

Brian Hudelson, Sean Toporek, Catherine Wendt, Claire Wisniewski, 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 August 29, 2015 through September 4, 2015.

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

Field Crop

Corn, Anthracnose Stalk Rot, *Colletotrichum graminicola*, Outagamie

Corn, Fusarium Root Rot, *Fusarium sp.*, Outagamie

Corn, Gray Leaf Spot, *Cercospora sp.*, Sheboygan

Corn, Pythium Root Rot, *Pythium sp.*, Outagamie

Soybean, Fusarium Root Rot, *Fusarium sp.*, Calumet, Outagamie

Soybean, Pythium Root Rot, *Pythium sp.*, Calumet

Soybean, Stem Canker, *Phomopsis sp.*, Calumet, Dane, Dodge, Outagamie, Sheboygan

Soybean, Sudden Death Syndrome, *Fusarium virguliforme*, Columbia

Forage Crops

Alfalfa, Spring Black Stem, *Phoma medicaginis*, Pepin

Alfalfa, Stemphylium Leaf Spot, *Stemphylium sp.*, Pepin

Alfalfa, Summer Black Spot, *Cercospora sp.*, Pepin

Forage Grasses (Miscellaneous), Anthracnose, *Colletotrichum sp.*, Dane

Forage Grasses (Miscellaneous), Rust, *Puccinia sp.*, Dane

Forage Grasses (Miscellaneous), Stagnospora Leaf Blotch, *Stagnospora sp.*, Dane

Fruit Crops

Apple, Apple Scab, *Venturia inaequalis*, Dane, Oneida

Apple, Black Rot, *Sphaeropsis sp.*, Dane

Cherry, Bacterial Canker, *Pseudomonas syringae*, Adams

Grape, Downy Mildew, *Plasmopara viticola*, Dane

Pear, Pear Scab, *Venturia pirina*, Oneida

Raspberry, Raspberry Leaf Spot, *Cylindrosporium rubi*, St. Croix

Strawberry, Common Leaf Spot, *Mycosphaerella fragariae*, Dane

Strawberry, Phomopsis Leaf Blight, *Phomopsis obscurans*, Dane

Strawberry, Root/Crown Rot, *Phytophthora sp.*, *Pythium sp.*, *Rhizoctonia sp.*, Vilas

Vegetables

Basil, Downy Mildew, *Peronospora belbahrii*, Milwaukee

Carrot, Cercospora Leaf Blight, *Cercospora sp.*, Dane

Cucumber, Alternaria Leaf Blight, *Alternaria cucumerina*, Portage

Cucumber, Angular Leaf Blight, *Pseudomonas syringae* pv. *lachrymans*, Portage

Cucumber, Helminthosporium Leaf Spot, *Helminthosporium sp.*, Portage

Garlic, Clove Rot, *Fusarium sp.*, Barron

Garlic, Embellisia Skin Blotch, *Embellisia allii*, Waukesha

Melon, Powdery Mildew, *Oidium sp.*, Dane

Melon, Downy Mildew, *Pseudoperonospora cubensis*, Dane

Pepper, Bacterial Spot, *Xanthomonas sp.*, La Crosse

Pepper, Syringae Leaf Spot, *Pseudomonas syringae* pv., La Crosse

Tomato, Black Mold, *Alternaria alternata*, Vernon

Tomato, Late Blight, *Phytophthora infestans*, Brown, Dodge, Portage, Wood

Tomato, Septoria Leaf Spot, *Septoria lycopersici*, Portage, Racine, Vernon, Washburn

Tomato, Sunscald, None, Portage

Soil

Soybean Soil, Soybean Cyst Nematode, *Heterodera glycines*, Grant, Jefferson, Marquette, Monroe, Richland, Rock

For additional information on plant diseases and their control, visit the PDDC website at pddc.wisc.edu

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