

Wisconsin Crop Manager

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nematode analysis have predictive value for explaining yield if they are collected before the corn V6 growth stage. Sampling early in the season will provide information about the risk potential for the current corn crop AND the next soybean crop.

The assays used to recover nematode pests other than SCN in soil require that the nematodes are alive. So, it is important to keep the samples moist and at least room temperature cool. Collecting a sample that includes multiple cores ensures that there will be plenty of root pieces to assay. It is not necessary to include live plants in the sample. The soil test report will indicate which pest nematodes are present and at what quantities and their damage potential to soybean and corn based on the numbers recovered.

Free soil sample test kits are available now and can be requested from Jillene Fisch at (freescntest@mailplus.wisc.edu) or at 608-262-1390.

For more information on SCN testing and management practices to help reduce the losses from this pest, please contact: Shawn Conley: spconley@wisc.edu; 608-262-7975 or visit www.coolbean.info.

Remember the first step in fixing a nematode problem is to know if you have one! The WSMB sponsored nematode testing program provides you that opportunity.

Cover Crops Field Day Scheduled for October 8th

Heidi Johnson, UW-Extension Dane County crops/soils agent, 608-224-3705 Johnson.Heidi@countyofdane.com



Fall is Still a Good Time to Sample for SCN and Other Plant Parasitic Nematodes

Shawn Conley, Soybean and Wheat Extension Specialist

The WI Soybean Marketing Board (WSMB) sponsors free nematode testing to help producers stay ahead of the most important nematode pest of soybean, the soybean cyst nematode (SCN). Eggs of SCN persist in the soil between soybean crops so a sample can be submitted any time that is convenient. The soil test report indicates the number of eggs in the sample and is useful for selecting the right variety for the next soybean crop. Retests of fields planted with SCN-resistant varieties over multiple years shows how the nematode population is responding to variety resistance and provides an early warning should the nematode population adapt to host genetics.

In the spring of 2012, the WSMB expanded the nematode testing program to include other pest nematodes in addition to SCN. These nematodes are less damaging to soybean than SCN but can cause enough yield loss to warrant treatment. As is the case for SCN, there are no rescue treatments for nematodes so the primary purpose of this year's soil test is to plan for next year's crop. Soil samples collected in corn for

Cover crops can be used effectively to reduce soil erosion, reduce the need for herbicides and other pesticides, protect water quality by limiting nitrogen (N) leaching, and increase soil organic matter. Farmers, ag professionals and ag educators are invited to attend a Cover Crop Field Day at Arlington Agricultural Research Station on Oct. 8, 2014 to learn more about cover crop research conducted by University of Wisconsin-Extension and UW-Madison throughout Wisconsin.

The event will include morning presentations, lunch with a farmer panel, and an afternoon tour of on-farm cover crop research trials.

Topics and presenters for the morning presentations include:

- Cover crops use and adoption in Wisconsin; Virginia Moore, UW Agroecology and Agriculture and Applied Economics
- Soil health, erosion, and tillage considerations with cover crops; Matt Ruark and Francisco Arriaga, UW-Madison/Extension soil scientists
- Using cover crops in corn and soybeans: Aerial seeding and other possibilities; Jim Stute, Michael Fields Agricultural Institute

The afternoon field tour will cover four topics:

Cover crops after Corn silage:

- Winter cereal rye: Cover crop or early season forage, Kevin Shelley, UW Nutrient and Pest Management program
- Termination of cereal rye following corn silage, Dan Smith and Vince Davis, UW-Madison Agronomy and Weed Science Extension
- Alternatives to rye: Yahara Pride Farms demonstration plot results, Heidi Johnson, UW-Extension Dane County

Cover crops after Small Grain and Vegetable Crops:

- Summer-seeded legumes: Berseem clover and crimson clover following winter wheat, Mike Ballweg, UW-Extension Sheboygan County and Richard Proost, UW Nutrient and Pest Management program
- Berseem clover, oats, and red clover following winter wheat, Gregg Sanford, UW Agronomy and Great Lakes Bioenergy Research Center
- Tillage radish following winter wheat: Results from on-farm trials, Matt Ruark, UW-Madison/Extension soil scientist

Integrated Pest Management considerations:

- Herbicide carryover and rotational restrictions: Impact on cover crop establishment and use as supplemental forage, Liz Bosak, Dan Smith, and Vince Davis, UW-Madison Agronomy and Weed Science Extension
- Insect pest considerations when using covers, Bryan Jensen, UW Integrated Pest Management program

Rolling/Crimping:

- Using rolled cover crops in organic and conventional soybean production, Erin Silva, UW-Madison/Extension plant pathology

Registration is \$10 in advance and \$15 for day-of registration and includes all printed materials, refreshments and lunch. To register in advance, go to <http://uwcovercropfieldday2014.eventbrite.com> or call the UW-Extension Dane County office at 608-224-3700.

For more information and updates, go to <http://fyi.uwex.edu/covercrop>.

The Arlington Agricultural Research Station is located on Hwy. 51, about 5 miles south of Arlington and 15 miles north of Madison. GPS coordinates are 43.300467, -89.345534.

This event is sponsored by University of Wisconsin-Extension and North Central Sustainable Agriculture Research and Education.

Vegetable Crop Update 9/26/14

The 23rd issue of the Vegetable Crop Update is now available. This issue contains late blight updates, final posting of P-Days and DSVs for disease forecasting, and cucurbit downy mildew updates. Click [here](#) to view this update.

44th Annual North Central Extension-Industry Soil Fertility Conference

Save the Date: November 19-20, 2014
Holiday Inn Airport, Des Moines, IA

We would like to invite you to attend the **2014 North Central Extension-Industry Soil Fertility Conference** being held Nov. 19-20 at the Holiday Inn Airport in Des Moines, Iowa. Oral and poster presentations will highlight on-going soil fertility research at Universities in the North Central region (IL, IN, IA, KS, KY, MI, MN, MO, NE, ND, OH, ON, PA, SD, and WI)

The program starts at 1:00 p.m. Wed., Nov. 19th, and ends at noon Thurs. Plenty of time is allocated within the meeting to visit one-on-one with authors, presenters, and other attendees.

Registration fee is \$125. CCA credits will be available.

Please contact Phyllis Pates at ppates@ipni.net; (605) 692-6280 for more information

Plant Disease Diagnostic Clinic (PDDC) Update

Brian Hudelson, Ann Joy, Joyce Wu, Tom Hinsenkamp, and Catherine Wendt, Plant Disease Diagnostics Clinic

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 September 13, 2014 through September 19, 2014.

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

FIELD CROPS,

Corn, Common Rust, *Puccinia sorghi*, Pierce

Corn, Gibberella Stalk Rot, *Fusarium graminearum*, Rock

Corn, Goss' Wilt, *Clavibacter michiganensis* subsp. *nebraskensis*, Lincoln, Trempealeau

Corn, Gray Leaf Spot, *Cercospora* sp., Lafayette, Pierce

Corn, Northern Corn Leaf Blight, *Exserohilum turcicum*, Lafayette, Pierce

Soybean, Brown Spot, *Septoria glycines*, Eau Claire, Sheboygan

Soybean, Brown Stem Rot, *Phialophora gregata*, Eau Claire

Soybean, Pod and Stem Blight, *Phomopsis* sp., Eau Claire, Sauk

Soybean, Soybean Cyst, *Heterodera glycines*, Eau Claire

FORAGE CROPS,

Alfalfa, *Aphanomyces* Root Rot, *Aphanomyces euteiches*, Marathon

Alfalfa, *Fusarium* Root Rot, *Fusarium* sp., Marathon

Alfalfa, *Phytophthora* Root Rot, *Phytophthora* sp., Marathon

Alfalfa, *Rhizoctonia* Root Rot, *Rhizoctonia solani*, Marathon

FRUIT CROPS,

Apple, *Sphaeropsis* Canker, *Sphaeropsis* sp., Marathon

Apple, Cedar-Apple Rust, *Gymnosporangium* sp., Sauk

Apple, Scab, *Venturia inaequalis*, Sauk

Cranberry, Blueberry Shock, Blueberry shock virus, Wood

Cranberry, Tobacco Streak, Tobacco streak virus, Wood

Grape, Anthracnose, *Sphaceloma ampelinum*, Dodge

Grape, Black Rot, *Phyllosticta ampelicida*, Dodge

VEGETABLES,

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

Cucumber, Downy Mildew, *Pseudoperonospora cubensis*, Calumet

Muskmelon, Anthracnose, *Colletotrichum* sp., Dane

Pepper, Bacterial Canker, *Clavibacter michiganensis* subsp. *michiganensis*, Portage

Pepper, Root Rot, *Pythium* sp., Portage

Potato, Late Blight, *Phytophthora infestans*, Unknown

Pumpkin, Downy Mildew, *Pseudoperonospora cubensis*, Calumet

Tomato, Anthracnose, *Colletotrichum* sp., Dane

Tomato, Early Blight, *Alternaria solanit*, Calumet

Tomato, Late Blight, *Phytophthora infestans*, Brown, Racine

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

The following diseases/disorders have been identified at the PDDC from September 20, 2014 through September 26, 2014.

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

FIELD CROPS,

Soybean, *Cercospora* Leaf Blight, *Cercospora kikuchii*, Sheboygan

Soybean, Root Rot, *Rhizoctonia solani*, *Pythium* sp., *Fusarium* sp., Sheboygan

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

FRUIT CROPS,

Currant, *Gloeosporidiella* Leaf Spot, *Gloeosporidiella* sp., Milwaukee

Pear, Scab, *Venturia pirina*, Portage

Strawberry, Root/Crown Rot, *Rhizoctonia solani*, Dunn

SPECIALITY CROPS,

Hops, Downy Mildew, *Pseudoperonospora humuli*, Dodge

VEGETABLES,

Cabbage, Black Rot, *Xanthomonas campestris*, Brown

Cucumber, *Cercospora* Leaf Spot, *Cercospora* sp., Milwaukee

Cucumber, Downy Mildew, *Pseudoperonospora cubensis*, Milwaukee

Kale, Black Rot, *Xanthomonas campestris*, Brown

Pumpkin, Angular Leaf Spot, *Pseudomonas syringae* pv. *lachrymans*, Wood

Pumpkin, Powdery Mildew, *Oidium* sp., Wood

SOIL,

Soybean Soil, Soybean Cyst Nematode, *Heterodera glycines*, Eau Claire, Ozaukee, Sheboygan, Trempealeau, Washington

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 September 27, 2014 through October 3, 2014

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

FRUIT CROPS,

Apple, Sphaeropsis Canker, Sphaeropsis sp., Kewaunee

VEGETABLES,

Tomato, Late Blight, Phytophthora infestans, Waukesha

SOIL,

Alfalfa Soil, Aphanomyces Seedling Blight, Aphanomyces euteiches race 1 and race 2, Carver (MN)

Soybean Soil, Soybean Cyst Nematode, Heterodera glycines, Buffalo, Rock, Sheboygan, Winnebago

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 October 4, 2014 through October 10, 2014.

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

FIELD CROPS,

Soybean, Cercospora Blight, Cercospora kikuchii, Shawano

FRUIT CROPS,

Apple, Apple Scab, Venturia inaequalis, Washburn

Apple, Frog-Eye Leaf Spot, Botryosphaeria obtusa, Washburn

Raspberry, Anthracnose, Sphaceloma necator, Grant

Raspberry, Root/Crown Rot, Pythium sp., Grant

Strawberry, Leaf Spot, Ramularia brunnea, Portage

Strawberry, Phomopsis Leaf Blight, Phomopsis obscurans, Portage

Strawberry, Root/Crown Rot, Rhizoctonia solani, Portage

VEGETABLES,

Cabbage, Black Rot, Xanthomonas campestris, Brown

Kale, Black Rot, Xanthomonas campestris, Brown

Potato, Leak, Pythium sp., Waushara

SPECIALTY CROPS,

Ginseng, Mystery Seedling Disease, Cythindrocarpon sp., Fusarium sp., Pythium sp., Septonema sp., Marathon

SOIL,

Soybean Soil, Soybean Cyst Nematode, Heterodera glycines, Columbia, Dunn

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

**WANTED: FARMER
INNOVATOR/INVENTORS**

Matt Glewen, General Manager, Wisconsin Farm Technology Days

The 2015 Wisconsin Farm Technology Days to be held at the Stutz Bros. Farm in Dane County will feature an **“Innovation Square”** which will be located in the center of “Tent City”. Farmer innovators are invited to submit their inventions/innovations for consideration as part of **“Innovation Square”**.

Innovations may range from modifications to an existing piece of machinery to a completely new invention. Anything that would make a specific operation easier, more efficient, or more effective would likely qualify. A panel of judges from University Agricultural Engineering Departments around the country will evaluate the entries on predetermined criteria (see evaluation criteria at www.wifarmtechnologydays.com under “Exhibitors”). A total of 4-5 farmer innovations will be chosen for exhibit in **“Innovation Square”** each year along with a similar number from agribusiness firms and universities.

There will be no cost to those chosen to be part of **“Innovation Square”**. Exhibit space will be flexible, based on the amount of room needed to adequately display/demonstrate each invention. Exhibits will need to be accompanied by a farm representative during a significant portion of each day of the three-day show.

Application forms for **“Innovation Square”** may be found at www.wifarmtechnologydays.com under “Exhibitors”. The application deadline is January 15, 2015.

**2014 UW Extension Pest Management
Update Meeting Series**

Mark Renz, Extension Weed Specialist

Mark your calendars as the UW Extension’s Pest Management Update meetings are just around the corner (November 10-20). While the program will still provide detailed updates to pest management in Wisconsin field crops, we have adapted the schedule to allow for more interaction between presenters and added the participation of Bryan Jensen and Dan Heider with the University of Wisconsin Integrated Pest and Crop Management Program.

This year we will focus the entire morning (10-noon) on integrated pest management updates by crop. This session will be streamlined to focus on new pesticide registrations, pest updates, and highlight important issues from 2014 by crop. After lunch, topics will be more focused on specific updates such as herbicide resistance, sprayer technology, and the pest management mobile website. We will end the meeting with diagnostic training events developed to improve problem solving skills for pest related issues common to Wisconsin Field Crops. The full schedule with dates, meeting locations, topics and registration contact information are highlighted below. **Please register with the host agent at least 1 week prior to the meeting at the location you wish to attend.**

Note that the location sequence changes a bit from year to year based on logistics. Be sure to look at the 2014 schedule included with this article when selecting your preferred date and location. Please attend the meeting location at which you registered. Each meeting in the series is a separate county-based event and host agents cannot interchange registrant fees or meal counts.

Below are important changes to note:

- Janesville: switched the meeting place (Holiday Inn Express I-90/US 14) and date (11/13)
- Green Bay: Moved location to Kimberly (Liberty Hall). Contact Kevin Jarek for registration.

Four hours of CCA CEU pest management credits are requested and available at each location.

The speakers will be extension specialists Mark Renz, weed scientist, perennial cropping systems; Vince Davis, weed scientist, annual cropping systems; Dan Heider, IPM outreach specialist, Bryan Jensen, entomologist, and Damon Smith, field crop plant pathologist.

2014 Pest Management Update Topics:

Integrated Pest Management Updates in corn, soybeans, alfalfa, and small grains: Update on new products and/or use of existing products as well as brief highlights of the 2014 pest situations in each crop.

Herbicide resistance update: Vince Davis will provide an update on the status of herbicide resistant weed populations in Wisconsin and discuss how to detect and manage resistant populations.

Sprayer technology: Dan Heider will discuss advances in sprayer technology and review how these can be utilized to maximize application efficacy while minimizing drift.

Diagnostics: Damon Smith and Vince Davis will provide several diagnostic trainings that will allow participants to interact and hone their pest management skills. Scenarios will be based on common scenarios faced by producers in 2014.

Check out the full meeting schedule at the end of this newsletter.

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2014 Wisconsin Pest Management Update Meetings

The schedule for the Wisconsin Pest Management Update meeting series is listed below. Presentations will include pest management information for Wisconsin field and forage crops. Speakers will include Mark Renz and Vince Davis, weed scientists, Damon Smith, plant pathologist, Dan Heider IPM specialist and Bryan Jensen, entomologist.

All meetings will start with check-in registration and coffee at 9:30 a.m. Presentations start promptly at 10 a.m. and will conclude by 3:00 p.m. Four hours of Certified Crop Advisor CEU credits in pest management are requested for each session. The \$40 registration fee per participant includes a noon meal and information packet.

Please make your reservation with host agent one week prior to the scheduled meeting date.

| DATE | LOCATION | HOST AGENT |
|--------------------------|--|--|
| Monday November 10 | <u>Marshfield</u> Marshfield Agricultural Research Station 2611 Yellowstone Drive Marshfield, WI 54449 | Richard Halopka Clark County Extension Courthouse Room 104 517 Court Street Neillsville, WI 54456 (715) 743-5121 |
| Tuesday November 11 | <u>Chippewa Falls</u> Lake Hallie Eagles Club 2588 Hallie Road Chippewa Falls, WI 54729 | Jerry Clark Chippewa County Extension 711 N. Bridge Street Chippewa Falls, WI 54729 (715) 726-7950 |
| Wednesday November 12 | <u>Sparta</u> Jake's Northwoods 1132 Angelo Road Sparta, WI 54656 | Bill Halfman Monroe County Extension 14345 County Hwy B Sparta, WI 54656 (608) 269-8722 |
| Thursday November 13 | <u>Janesville</u> Holiday Inn Express Janesville 3100 Wellington Place Janesville, Wisconsin 53546 (I-90 and US Highway 14, West on 14) | Nick Baker Rock County Extension 51 S. Main Street Janesville, WI 53545 (608)-757-5698 |
| Monday November 17 | <u>Fond du Lac</u> University of Wisconsin – Fond du Lac Rm 113 University Center 400 University Drive Fond du Lac, WI 54935 | Mike Rankin Fond du Lac County Extension 227 Admin/Extension Bldg. 400 University Dr. Fond du Lac, WI 54935 (920) 929-3170 |
| Tuesday November 18 | <u>Kimberly</u> Liberty Hall 800 Eisenhower Drive Kimberly, Wisconsin 54136 (Hwy. 441, College Avenue Exit, East 1 block) | <u>Contact: Kevin Jarek</u> Outagamie Co. UW Extension 3365 W. Brewster St. Appleton, WI 54914 Phone: 920-832-5119 |
| Wednesday November 19 | <u>Belmont</u> Belmont Inn & Suites (formerly Baymont Inn) 103 West Mound View Avenue Belmont, WI 53510 | Ted Bay Grant County Extension P.O. Box 31 Lancaster, WI 53813 (608) 723-2125 |
| Thursday November 20 | <u>Arlington</u> Arlington Agricultural Research Station Public Events Building N695 Hopkins Road Arlington, WI 53911 | George Koepf Columbia County Extension 120 W. Conant St., Ste. 201 Portage, WI 53901 (608) 742-9682 |