Potato Leafhopper Update for field crops in WI

Bryan Jensen, UW Extension and IPM Program

Alfalfa

Surprising, at least to me, potato leafhopper (PLH) populations have been relatively high in alfalfa this summer despite frequent and heavy rains. Typically, PLH populations peak during periods of hot dry weather. Go figure. Your next question might be “How long will they stick around”? It is difficult to predict with any hint of accuracy. Typically, you see PLH numbers “slow down” by mid-August. Some years I have seen populations crash in mid-July. Other years they are still causing economic damage after Labor Day. My best answer to the question may seem a little simplistic but is the best answer I have. Continue to scout until you are absolutely certain populations are tapering off.

Soybeans

I have noticed several PLH nymphs on soybeans while spot-checking for soybean aphids. This is not uncommon and they can, under extreme circumstances, become an economic pest in soybean. While you might find references indicating leaf hairs may deter PLH feeding they may still become established. PLH damage to soybean can look a little like K deficiency which can be described as marginal chlorosis appearing initially on the lower leaves. However, unlike K deficiency symptoms, PLH injury may be noticed on all areas of the plant. Furthermore, puckering/crinkling of leaves is often associated with advanced PLH feeding.

At this time of the growing season, PLH scouting is best accomplished using an insect sweep net. Consider treating if you have a field average of approximately 6 leafhoppers/sweep. Before treating I would consider doing a whole plant inspection and look for nymphs which will indicate an established population.

Agronomy/Soil Field Day 2017

Cultivating a Resilient Agriculture
Tours & Exhibits of Current Crops & Soils Research
Wednesday, August 30, 2017
Arlington Agricultural Research Station Registration @ 8 am
Tours depart from the Public Events Facility at 8:30 am, 10:30 am, & 1:45 pm
See flyer attached at end of newsletter.

Wisconsin Pest Bulletin 8/4/2017

Krista Hamilton, Entomologist — Bureau of Plant Industry/Division of Agricultural Resource Management, Wisconsin Department of Agriculture, Trade and Consumer Protection

Volume 62 Issue No. 14 of the Wisconsin Pest Bulletin is now available at:

Read or download PDF

INSIDE THIS ISSUE

LOOKING AHEAD: Annual corn rootworm beetle survey now underway

FORAGES & GRAINS: Potato leafhopper counts below-threshold in alfalfa

CORN: A surge in western bean cutworm recorded from July 27-Aug 2

SOYBEANS: Soybean leafminer beetle collected in La Crosse County soybean field

FRUITS: First report of brown marmorated stink bug nymph in raspberries

VEGETABLES: Squash bugs problems increasing in home gardens

NURSERY & FOREST: Assorted reports from this week’s nursery inspections

DEGREE DAYS: Degree day accumulations through August 2, 2017

UW/UWEX Plant Disease Diagnostic Clinic (PDDC) Update, July 28

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 July 22, 2017 through July 28, 2017.

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

Field Crops

Soybean, Bacterial Blight, Pseudomonas savastanoi pv. glycinea, Rock

Soybean, Fusarium Root Rot, Fusarium sp., Dodge, Outagamie

Soybean, Stem Canker, Diaporthe phaseolorum, Dodge, Outagamie

Soybean, Brown Spot, Septoria glycines, Rock

Wheat, Scab/Fusarium Head Blight, Fusarium graminearum, Columbia

Wheat, Weathering, None, Columbia

Fruit Crops

Apple, Blister Spot, Pseudomonas syringae pv. papulans, Winona (MN)

Apple, Cedar-Apple Rust, Gymnosporangium juniperi-virginianae, Sauk

Apricot, Bacterial Canker, Pseudomonas syringae, Milwaukee

Blueberry, Botrytis Blight, Botrytis sp., Washburn

Blueberry, Fusicoccum Canker, Fusicoccum sp., Washburn

Blueberry, Root Rot, Pythium sp., Washburn

Cherry, Cherry Leaf Spot, Blumeriella jaapii, Milwaukee

Rhubarb, Root/Crown Rot, Pythium sp., Rock

Strawberry, Root/Crown Rot, Pythium sp., Fusarium sp., Bayfield, Wood

Vegetable Crops

Asparagus, Root/Crown Rot, Fusarium sp., Pythium sp., Rhizoctonia sp., Jackson

Cucumber, Pseudomonas Fruit Rot, Pseudomonas sp., Dane

Garlic, Fusarium Basal Plate Rot, Fusarium oxysporum, Grant

Pepper, Syringae Leaf Spot, Pseudomonas syringae pv. syringae, Rock

Potato, Black Leg, Dickeya dianthicola, Portage

Squash (Butternut), Angular Leaf Spot, Pseudomonas syringae pv. lachrymans, Rock
Squash (Unspecified), Root/Crown Rot, Pythium sp., Fusarium sp., Dane
Tomato, Bacterial Canker, Clavibacter michiganensis subsp. michiganensis, Walworth
Tomato, Late Blight, Phytophthora infestans, Waukesha
Tomato, Septoria Leaf Spot, Septoria lycopersici, Green Lake

For additional information on plant diseases and their control, visit the PDDC website at pddc.wisc.edu.
Follow the clinic on Facebook and Twitter @UWPDDC.

Wisconsin Fruit News-August 4, 2017

This morning feels like fall here in Madison, and we're beginning to think about apple and grape harvest and ripeness assessments. However, there's a lot more than just that to read about in the newsletter this week:


Biological control Part II: Our favorite natural enemies
Plant Disease Diagnostic Clinic update
Insect Diagnostic Lab update
Blueberry maggot
Nematode diseases of berry crops
Cranberry degree-day map and update
Canopy management practices to improve grape qualities
Wine and table grape developmental stages
Preharvest bitter pit prediction in Honeycrisp apples
Apple maturity index report
Cultivating a Resilient Agriculture

Tours & Exhibits of Current Crops & Soils Research

Wednesday, August 30, 2017

Arlington Agricultural Research Station

Registration @ 8 am

Tours depart from the Public Events Facility at 8:30 am, 10:30 am, & 1:45 pm

Lunch provided by UW-Madison Badger Crops Club
{suggested donation $5/person}

Tour A: Building Soil Health {8:30 & 10:30 am}
- Soils of Wisconsin (Alfred Haremink)
- Importance of perennialization & diversification (Gregg Sanford & Randy Jackson)
- Do cover crops improve soil health? (Matt Ruark)
- Trade-offs with soil management decisions (Francisco Arriaga)

Tour B: Managing Short- & Long-term Risk in Cropping Systems {8:30 & 10:30 am}
- How many corn hybrids should I grow on my farm? Minimizing risk & maximizing options (Joe Lauer)
- Harnessing G x E x M interactions in soybean (Shawn Conley)
- Weed management over 27 years in the Wis. Integrated Cropping Systems Trial (Nathan Drewitz & Dave Stoltenberg)
- Identification, distribution & herbicide resistance of waterhemp & Palmer amaranth (Sam Marquardt & Mark Renz)

*Tour D: Designing Landscapes for Profit, Clean Water, Stable Climate & Biodiversity {10:30 am & 1:45 pm}
- Yahara 2070: Using scenarios to understand impacts of future watershed land use (Chris Kucharik)
- SmartScape: Developing a decision support tool for farmscape management (Claudio Gratton)
- Biodiversity in the soil: Exploring how soil microbes influence crops (Thea Whitman)

Lunch & Panel Discussion @ 12:00 to 1:45pm, in the Auditorium

“What Do We Mean by Resilient Agriculture?”

Randy Jackson (Moderator; Professor, Dept. of Agronomy, UW-Madison) – Panelists include
Andy Bensend (A B Farms, Dallas, Wis.)
Sarah Lloyd (Special Products Coordinator, Wis. Farmers Union)
Heidi Johnson (Crops & Soils Educator, Dane Co. UW-Extension)
Matt Ruark (Professor & Extension Specialist, Dept. of Soil Science, UW-Madison)

The Arlington Research Station is located on Hwy. 51, about 5 miles south of Arlington & 15 miles north of Madison. Watch for Field Day signs.

For more information contact the Dept. of Agronomy 608/262-1390
or the Dept. of Soil Science 608/262-0485.

In the event of rain, presentations will be held inside.

Sponsored by the UW-Madison College of Agricultural & Life Sciences/Arlington Agricultural Research Station/Departments of Agronomy & Soil Science, & UW Cooperative Extension

{Certified Crop Advisors: CEU credits will be requested}
Cover Crop Field Day

Friday – August 11th, 2017  10:00 a.m.–1:00 p.m.

Nitrogen Credit from Cover Crops
Field Test Results for Red Clover, Hairy Vetch, Winter Pea
Dan Smith UW-Madison NPM, Ted Bay UWEX

Cover Crops for Weed Suppression
Rye Variety Selection & Seeding Rates for Roller Crimping
Herbicide Considerations When Utilizing Cover Crops
Erin Silva UWEX Specialist, Dan Smith UW-Madison NPM

Cover Crop Practices
Frost Seeding Red Clover
Planting Cover Crops with Vertical Tillage
Planter Set-up for No-till Into Cover Crops
Jay Aspenson, Aspenson Farms

Cover Crop Programs in Crawford & Vernon Co.
Dave Troester LCD, Karyl Fritsche NRCS, Ben Wojahn LWCD

Lunch: Please call in your reservation

Jay Aspenson Farm
One Mile West on Rounds Road off Hwy. 27 just South of Mt. Sterling

RSVP by calling Sarah at 608-637-5480