



# Vegetable Crop Update

A newsletter for commercial potato and vegetable growers prepared by the University of Wisconsin-Madison vegetable research and extension specialists

No. 10 – June 20, 2014

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## Calendar of Events

**June 26** – WI IPM Field Day, Arlington Ag Research Station, Arlington, WI  
**July 15** – Crops Diagnostic Workshop, Arlington Ag Research Station, Arlington, WI  
**July 18** – UW Potato Breeding Station Tour, Rhinelander Ag Research Station  
**July 22** – UW-Hancock Agricultural Research Station Field Day, Hancock, WI  
**August 5** – Crops Diagnostic Workshop, Arlington Ag Research Station, Arlington, WI  
**August 12-14** – Farm Technology Days, Stevens Point, WI  
**August 21** – 1:00PM Antigo Field Day, Antigo, WI

**Vegetable Disease Update – Amanda J. Gevens, Assistant Professor & Extension Vegetable Plant Pathologist, UW-Madison, Dept. of Plant Pathology, 608-890-3072 (office), Email: [gevens@wisc.edu](mailto:gevens@wisc.edu). Veg Pathology Webpage: <http://www.plantpath.wisc.edu/wivegdis/>**

### **Vydate L Insecticide/Nematicide (DuPont) Special Local Need 24 (c) registration:**

Wisconsin has issued a Special Local Need Registration 24(c) label for use of Vydate L on dry bulb onions for control of onion thrips and stubby root nematodes. Applicators can now use the 24(c) label. Applicators must have this Wisconsin label in their possession at the time of application. The Wisconsin DATCP will soon post this registration update on their website at: <http://datcp.wi.gov/uploads/Plants/pdf/SpecialUses.pdf>

**Late blight updates:** No reports of late blight in Wisconsin at this time. Nationally, in the past week, there was one new late blight report on 6/19/14 from Carteret County North Carolina on potato (on the Atlantic coast). Genotype has not yet been characterized. Details can be found at <http://www.usablight.org/>. So far in 2014, several FL counties have reported late blight caused by genotype US-23 in tomato and potato, and a single county in NC has reported late blight on potato. The website provides location (by county) of positive reports of late blight in the U.S. and provides further information on disease characteristics and management.

### **Current P-Day (Early Blight) and Severity Value (Late Blight) Accumulations**

A P-Day value of  $\geq 300$  indicates the threshold for early blight risk and triggers preventative application of fungicide. A DSV of  $\geq 18$  indicates the threshold for late blight risk and triggers preventative application of fungicide. Red text in table below indicates threshold has been met. NA indicates that information is not yet available as emergence has yet to occur. Blitecast and P-Day values for actual potato field weather from Grand Marsh, Hancock, Plover, and Antigo are now posted at the UW Veg Path website at the tab “P-Days and Severity Values.” [http://www.plantpath.wisc.edu/wivegdis/contents\\_pages/pday\\_sevval\\_2014.html](http://www.plantpath.wisc.edu/wivegdis/contents_pages/pday_sevval_2014.html)

<i>Location</i>	Planting Date	50% Emergence	P-Day Cumulative	Disease Severity Value	Date of DSV Generation
<i>Antigo</i>	Early 5/20	6/9	88	6	6/20
	Mid 5/27	6/16	NA	NA	NA
	Late 6/6	NA	NA	NA	NA
<i>Grand Marsh</i>	Early 4/20	5/19	247	34*	6/20
	Mid 5/4	6/1	160	29*	6/20
	Late 6/3	NA	NA	NA	NA
<i>Hancock</i>	Early 4/24	5/20	262	14	6/20
	Mid 5/8	6/2	163	10	6/20
	Late 6/3	NA	NA	NA	NA
<i>Plover</i>	Early 4/21	5/20	239	21	6/20
	Mid 5/5	6/1	155	18	6/20
	Late 6/5	NA	NA	NA	NA

Please note that we have surpassed the threshold for DSVs (18) in the Grand Marsh and Plover areas for early and mid-planted potatoes. This indicates that temperature and humidity have been favorable for the promotion of late blight. Please note: asterisks on the DSVs for Grand Marsh indicate that I have revised the value as displayed in the SureHarvest Blitecast daily output that is found at the UW-Vegetable Pathology website for 5 June 2014. The number of hours of relative humidity above 90% was being issued as 63 – giving unusually high DSVs for the individual day. I assigned a DSV of 4 to 5 June which is the maximum that should be possible with our DSV generating tool. Early preventive fungicide application for late blight control may include base protectants such as chlorothalonil or mancozeb, or include a base protectant tank-mixed with one of the reduced risk fungicides with specific activity in controlling late blight. For further information on specific fungicide rates and activities, please find the 2014 updated list of potato fungicides for WI at the link below. Or, the page can be found in a pdf format under the “Late Blight” tab of the UW-Vegetable Pathology website.

<http://www.plantpath.wisc.edu/wivegdis/pdf/2014/June%206%202014.pdf>

Further details on registered fungicides for WI vegetables can be found in the Univ. of WI Commercial Vegetable Production in WI Guide A3422, <http://learningstore.uwex.edu/assets/pdfs/A3422.PDF>.

**P-Days and early blight management:** P-Days for early planted potatoes in Central Wisconsin are reaching roughly 250. I would expect that by early next week we will have some sites at or above the 300 threshold – an indicator for timing the initial fungicide application for management of early blight. No early blight lesions have been noted in our potato pathology trials at this time.

Crop Diagnostic Training Workshops, 2014 – Dan Heider, IPM Outreach Specialist, UW-Madison, Dept. of Horticulture, 608-262-6491 (office), Email: [djheider@wisc.edu](mailto:djheider@wisc.edu).

## *Crop Diagnostic Training Workshops 2014*

### *UW-Madison Integrated Pest Management Program*

#### **Diagnostic Troubleshooting Workshop**

July 15, 2014, Arlington Ag Research Station

CCA CEU's: 4.0

Tiered fee: \$75 before 7/1/11, \$90 after 7/1/11

- 9:00 Registration and introduction
- 12:00 Lunch (provided)
- 2:15 Adjourn

This Workshop gives you the opportunity to fine tune your crop diagnostic skills in a fun and interactive setting. Small groups will rotate through field problems with UW Specialists role playing as farmers.

Through digging up plants, asking questions and consulting references, participants will make a diagnosis of the problem being observed and a recommendation for correction. Each participant will experience eight separate diagnostic scenarios.



#### **Crop & Pest Management Workshop**

August 5, 2014, Arlington Ag Research Station

CCA CEU's: 0.5 Crop, 3.5 Pest, 1.0 Nutrient Management

Tiered fee: \$75 before 7/25/14, \$90 after 7/25/14

- 8:30 Registration and introduction
- 12:00 Lunch (provided)
- 2:45 Adjourn

This workshop will cover agronomic concerns ranging from identification of crop and pest production problems to management options within production systems.

**Nutrient uptake and partitioning in soybean** - Shawn Conley, Extension Soybean and Small Grains Specialist

- Soybean nutrient requirements effects on the growth and development of high yielding soybeans

**Herbicide Mode of Action** - Vince Davis, Extension Weed Specialist

- Herbicide mode of action and emerging crop technologies; their use and resistance management strategies

**The trait game** - Bryan Jensen, UW Integrated Pest Management Specialist

- Management strategies for Bt resistant western corn rootworm; their efficacy and effectiveness in delaying the development of resistance

**SCN / SDS Interaction** - Damon Smith, Extension Plant Pathology Specialist

- Soybean cyst nematode and sudden death syndrome symptoms; current research on interactions between SCN and the SDS causing fungus

**Spray drift mitigation in crop pest management** - Daniel Heider, UW Integrated Pest Management Specialist

- Drift reduction, emerging herbicide resistant technologies, nozzles and other drift reduction technology in field settings

Both workshops begin in the Public Events Facility of the Arlington Agricultural Research Station. Be aware that this is not a "traditional" field day. Training sessions are designed to be primarily in-field and hands-on. We advise that you come prepared for all types of weather.

*FAST and easy ONLINE registration by credit card:*

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

Contact: Dan Heider, 608-262-6491, [djheider@wisc.edu](mailto:djheider@wisc.edu)

CCA CEU's are subject to change pending approval from the Certified Crop Advisor Program.