Vegetable Crop Update

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

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In This Issue

DSVs (Disease Severity Values)/Blitecast for late blight management
PDays for early blight management
Cucurbit downy mildew

Calendar of Events

July 23– UW-Hancock Ag Research Station Field Day, Hancock, WI (tentative agenda begins at noon)
Aug 22 – UWEX-Langlade County Airport Research Station 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. Vegetable Path Webpage: http://www.plantpath.wisc.edu/wivegdis/

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

P-Day of ≥ 300 indicates threshold for early blight risk and triggers preventative application of fungicide. DSV of ≥ 18 indicates 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. **http://www.plantpath.wisc.edu/wivegdis/contents_pages/pday_sevval_2013.html**

Location	Planted	50% Emergence	P-Day Cumulative	DSV Cumulative	Calculation Date
Antigo Area	Early 5/13	6/4	46	1	6/13/13
	Mid 5/22	NA	NA	NA	NA
	Late NA	NA	NA	NA	NA
Grand Marsh Area	Early 4/15	5/10	182	52	6/13/13
	Mid 5/1	5/21	148	52	6/13/13
	Late 5/15	6/5	56	25	6/13/13
Hancock Area	Early 4/20	5/15	205	40	6/13/13
	Mid 5/5	5/23	144	38	6/13/13
	Late 5/15	6/5	62	16	6/13/13
Plover Area	Early 4/22	5/17	190	51	6/13/13
	Mid 5/7	5/30	110	27	6/13/13
	Late 5/24	6/5	68	18	6/13/13

DSVs and Late Blight: From in-potato-field weather stations here in Wisconsin, we have far exceeded initial threshold for Blitecast in most monitored locations. All plantings in Grand Marsh and Plover exceed threshold of DSV 18. Early- and mid-plantings in the Hancock area exceed threshold. Accumulation of DSVs has been significant at all sites, with DSVs nearly doubling in the past week's time (accumulation of ~10 to 20 DSVs in 7 days), indicating favorable weather has been occurring for late blight – should the pathogen be present. A quick look at forecasted weather shows that accumulations are modest for 72 hr outlook in most locations/emergence dates (see below for access to this info).

We just launched a web page at our UW Vegetable Pathology site that offers the Blitecast and Tomcast accumulations for foliar disease control from remotely sensed and forecasted weather data. Information is provided to help growers interpret the information offered for potato and carrot disease control. The link is entitled: "NEW: Blitecast & Tomcast estimates (from remotely sensed weather data), 2013" right in the center of the home page of: www.plantpath.wisc.edu/wivegdis/

Late blight status in the U.S. No reports of late blight in Wisconsin at this time. There have been a few reports of late blight in tomato in West Virginia and Tennessee in the past two weeks. To date this production year, late blight has been reported in in FL on tomato and potato (primarily of the US-23 clonal lineage), in TN on tomato (US-23),and in WV. The website: http://www.usablight.org/ indicates location of positive reports of late blight in the U.S. and provides further information on disease characteristics and management.

***Cucurbit Downy Mildew*:** has not been identified in Wisconsin at this time in commercial fields, home gardens, or our sentinel monitoring plots. SC, FL, GA, and NC have reported cucurbit downy mildew this season across multiple cucurbit hosts. I will be keeping tabs on disease reports in the region and will provide updates in this newsletter. No forecasted risk of movement of spores from states reporting detects to Wisconsin at this time. The website: http://cdm.ipmpipe.org/ offers up to date reports of cucurbit downy mildew and disease forecasting information. We planted our cucurbit sentinel plots at the Hancock Ag Research Station 2 weeks ago. This plot is scouted multiple times every week – in search of first symptoms or signs of downy mildew. Once disease is identified and confirmed, we remove plants so as not to create a pathogen source for area producers.

The 2013 A3422 Commercial Vegetable Production in Wisconsin guide is available for purchase through the UW Extension Learning Store website: http://learningstore.uwex.edu/Commercial-Vegetable-Production-in-Wisconsin2013-P540.aspx

A pdf of the document can be downloaded or is available at the following direct link: http://learningstore.uwex.edu/Assets/pdfs/A3422.pdf