



# Vegetable Crop Update

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



No. 8 – May 31, 2020

### In This Issue

New fruit extension pathologist

Disease forecasting tools

Special pesticide registrations for 2020

### Calendar of Events

July 16, 2020 – UW Hancock Ag Research Station Field Day CANCELLED

December 1-3, 2020 – Midwest Food Producers Association Annual Convention/Processing Crops Conference, Kalahari, Wisconsin Dells, WI

February 2-4, 2021 – UW-Madison Div. of Extension & WPVGA Grower Education Conference, Holiday Inn, Stevens Point, WI



UW-Plant Pathology & UW-Madison Division of Extension are very pleased to announce that Dr. Leslie Holland will be starting her new post as an assistant professor and extension specialist in Fruit Pathology on August 17, 2020. While this is the Vegetable Crop Updates Newsletter, many of our readers also raise fruit crops. Dr. Holland holds a PhD in Plant Pathology from the Univ. of California, Davis, and has >6 years of experience with fungal canker pathogens of perennial fruit crops. She graduated with a MS in Plant Pathology from Washington State Univ. and earned her BS in Biology at New Mexico State Univ. She is an Ohio native and is excited to be back in the Midwest. Holland enjoys cooking, hiking, fitness, and teaching her puppy, Clyde, new tricks! She is very excited to join Plant Pathology and the UW Fruit Team, and eager to serve as a researcher, educator, and advocate for students, fruit growers, and supporting industries in WI. Dr. Holland will be a likely contributor to the WI Fruit News newsletter.

Amanda Gevens, Dept. Chair, Associate Professor & Extension Specialist, UW-Madison Plant Pathology, [gevens@wisc.edu](mailto:gevens@wisc.edu), Cell: 608-575-3029. <https://vegpath.plantpath.wisc.edu/>

**Current P-Day (Early Blight) and Disease Severity Value (Late Blight) Accumulations** (Many thanks to Ben Bradford, UW-Madison Entomology; Stephen Jordan, UW-Madison Plant Pathology). A P-Day value of  $\geq 300$  indicates the threshold for early blight risk and triggers preventative fungicide application. A DSV of  $\geq 18$  indicates the threshold for late blight risk and triggers preventative fungicide application. Red text in table indicates threshold has been met/surpassed. TBD indicates that data is To Be Determined as time progresses. Weather data used in these calculations comes from weather stations that are placed in potato fields in each of the four locations. Data are available in graphical and raw data formats for each weather station at: <https://vegpath.plantpath.wisc.edu/dsv/>

Location	Planting Date	50% Emergence Date	Disease Severity Values 5/30/20	Potato Physiological Days 5/30/20
<b>Grand Marsh</b>	Early Apr 17	May 18	3 (5/27)	68.9 (5/27)
	Mid Apr 25	May 26	0 (5/27)	13.5 (5/27)
	Late May 6	TBD	TBD	TBD
<b>Hancock</b>	Early Apr 8	May 18	5	95.9
	Mid Apr 20	May 25	3	45
	Late May 4	May 30	0	7.42
<b>Plover</b>	Early Apr 10	May 23	6	61.1
	Mid Apr 20	May 30	0	6.84
	Late May 5	TBD	TBD	TBD
<b>Antigo</b> Station set up at airport 5/29	Early May 14	TBD	TBD	TBD
	Mid May 24	TBD	TBD	TBD
	Late Jun 1	TBD	TBD	TBD

**Special Fungicide Registrations for WI:** Several chlorothalonil products have 24(C) Special Local Need Registrations for extended active ingredient use on potatoes for late blight, early blight, black dot, and Botrytis. Bravo Ultrex, Bravo WeatherStik, and Bravo ZN have special registrations through 2022. Echo 720, Echo 90DF, and Echo ZN will expire in December of 2020 – however the process to extend this special registration beyond 2020 has begun with Sipcam Agro; I provided a letter of support to this application back in April. Omega 500F (fluazinam) has special registration for in-furrow application for the management of powdery scab of potato. This registration will expire in December of 2020.

***Special Local Need Registrations (Section 24c) and Emergency Exemptions (Section 18) Authorized for Use in Wisconsin – Updated 05/15/2020***

<b>Product name + label</b>	<b>Active ingredient(s)</b>	<b>FIFRA Section</b>	<b>Labeling ID number</b>	<b>Company</b>	<b>Site(s) of application</b>	<b>Pest problem(s)</b>	<b>Start Date</b>	<b>Expiration Date</b>
<a href="#">Avipel Dry Hopper Box</a>	9, 10-Anthraquinone	24(c)	WI-190003	Arkion Life Sciences	Field and Sweet Corn Seed	Sand Hill Cranes	09/17/2019	07/30/2021
<a href="#">Bravo Ultrex</a>	Chlorothalonil	24(c)	WI-180003	ADAMA	Potatoes	Late blight, early blight, Botrytis vine rot, black dot	04/13/2018	12/31/2022
<a href="#">Bravo WeatherStik</a>	Chlorothalonil	24(c)	WI-180004	ADAMA	Potatoes	Late blight, early blight, Botrytis vine rot, black dot	04/13/2018	12/31/2022
<a href="#">Bravo WeatherStik</a>	Chlorothalonil	24(c)	WI-180006	ADAMA	Ginseng	Alternaria and gray mold	04/19/2018	12/31/2022
<a href="#">Bravo ZN</a>	Chlorothalonil	24(c)	WI-180005	ADAMA	Potatoes	Late blight, early blight, Botrytis vine rot, black dot	04/13/2018	12/31/2022
<a href="#">Dual Magnum</a>	S-Metolachlor	24(c)	WI-180001	Syngenta	Multi-Vegetables	Broadleaf and grass weeds	03/27/2018	12/31/2022
<a href="#">Echo 720</a>	Chlorothalonil	24(c)	WI-160004	Sipcam Agro USA	Long-season potatoes	Late blight, early blight, Botrytis vine rot, black dot	08/15/2016	12/31/2020
<a href="#">Echo 90 DF</a>	Chlorothalonil	24(c)	WI-160005	Sipcam Agro USA	Long-season potatoes	Late blight, early blight, Botrytis vine rot	09/16/2016	12/31/2020
<a href="#">Echo ZN</a>	Chlorothalonil	24(c)	WI-160003	Sipcam Agro USA	Long-season potatoes	Late blight, early blight, Botrytis vine rot, black dot	08/15/2016	12/31/2020
<a href="#">Indar 2F</a>	Fenbuconazole	24(c)	WI-160001	Dow AgroSciences	Cherries, peaches, nectarines	Blossom blight, fruit brown rot	03/22/2016	12/31/2020
<a href="#">Linex 4L</a>	Linuron	24(c)	WI-160002	Tessenderlo Kerley, Inc. (NovaSource)	Potatoes grown on coarse-textured, low organic matter soils	Broadleaf and grass weeds	04/26/2016	12/31/2020
<a href="#">Lorox DF</a>	Linuron	24(c)	WI-200002	Tessenderlo Kerley, Inc. (NovaSource)	Carrots grown on coarse-textured, low organic matter soils	Broadleaf and grass weeds	04/24/2020	12/31/2024

<a href="#">Mustang Maxx</a>	Zeta-Cypermethrin	24(c)	WI-180008	FMC Corporation	Tart Cherries	Spotted Wing Drosophila	06/18/2018	12/31/2020
<a href="#">Omega 500F</a>	Fluazinam	24(c)	WI-160006	ISK Biosciences/Syngenta	Potatoes	Powdery scab	11/16/2016	12/31/2020
<a href="#">Reflex</a>	Sodium salt of fomesafen	24(c)	WI-170001	Syngenta	Lima Beans	Palmer amaranth and nightshade species	04/10/2017	12/31/2021
<a href="#">Sonalan HFP</a>	Ethalfuralin	24(c)	WI-190002	Gowan Company LLC	Potatoes	Broadleaf weeds	05/10/2019	12/31/2023
<a href="#">Spartan 4F</a>	Sulfentrazone	24(c)	WI-170003	FMC Corporation	Strawberries	Weeds including common groundsel and ladythumb	06/19/2017	12/31/2021
<a href="#">Stinger (Cranberry)</a>	Clopyralid	24(c)	WI-180002	Dow AgroSciences	Cranberries	Broadleaf weeds	04/13/2018	12/31/2022
<a href="#">Stinger (strawberry)</a>	Clopyralid	24(c)	WI-200001	Dow AgroSciences	Strawberries	Broadleaf weeds	01/03/2020	12/31/2024
<a href="#">Topsin M WSB</a>	Thiophanatemethyl	24(c)	WI-180007	United Phosphorus Inc.	Ginseng	White Mold, Rhizoctonia Root and Crown Rot, Cylindrocarpon Root Rot	05/10/2018	12/31/2022
<a href="#">Tough SEC</a>	Pyridate	18	20WI01	Belchim Crop Protection US	Double-Cut Spearmint, Peppermint	Broadleaf Weeds	05/21/2020	08/31/2020
<a href="#">Vydate L</a>	Oxamyl	24(c)	WI-190001	DuPont Crop Protection	Dry Bulb Onions	Onion Thrips, Stubby Root Nematodes	05/03/2019	12/31/2023

---

**2020 University of Wisconsin Madison Extension Commercial Vegetable Crop Production Management Guide:** Our production guide is updated every October with release of a new guide in January. The book can be downloaded for free as a pdf at the link below, or can be purchased online for \$12.50.  
<https://learningstore.extension.wisc.edu/products/commercial-vegetable-production-in-wisconsin>