



Vegetable Crop Update

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

No. 2 – April 22, 2018

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Note change in Rhinelander Field Day date and location

National late blight updates

WI Special Pesticide Registration updates for specialty crops

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Calendar of Events

July 10-12, 2018 – Farm Technology Days, Sternweis & Weber's Farms, Marshfield, WI

July 19, 2018 – UW-Hancock Agricultural Research Station Field Day, Hancock, WI

July 26, 2018 – UWEX Langlade County Field Day & Potato Virus Y Detection Training Workshop, Antigo, WI

August 2, 2018 – UW-Rhinelander Field Day, Rhinelander Agricultural Research Station, WI

November 27-29, 2018 – Processing Crops Conference & MWFPA Annual Convention, Wisconsin Dells, WI

January 15-17, 2019 – Wisconsin Agribusiness Classic, Alliant Energy Center, Madison, WI

January 27-29, 2019 – Wisconsin Fresh Fruit & Vegetable Conference, Kalahari Conference Center, Wisconsin Dells, WI

February 5-7, 2019 – UWEX & WPVGA Grower Education Conference, Stevens Point, WI

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Please note that I posted the wrong date/location for the UW Rhinelander ARS Field Day in last week's newsletter. The correct date/location is: August 2, 2018 at the Rhinelander Agricultural Research Station. My apologies for this error.

National Late Blight Updates: <http://usablight.org> is again up and running for 2018 in effort to support the detection and characterization of late blight on tomato and potato crops from the U.S. Already this year, late blight has been confirmed on potato and tomato in Florida. In all cases reported to the usablight website, the pathogen genotype was US-23. This has been the predominant genotype in Wisconsin, and across the U.S., in recent years. US-23 can still generally be managed well with use of phenylamide fungicides such as mefenoxam and metalaxyl (ie: Ridomil). However, a potato sample from northeastern FL was sent to my lab last week and the genotype was US-8. This information does pose some additional concern for management as US-8 cannot be managed with phenylamide fungicides as isolates are resistant to the fungicide.

Update on Special Local Need Registrations (Section 24c) and Emergency Exemptions (Section 18) Authorized for Use in Wisconsin – updated by DATCP 4/19/18. Note updates for specialty crops in table below: hops (Aim EC), field and sweet corn (Avipel), potatoes (Bravo and Echo chlorothalonil formulations; Linex; Omega), various vegetables (Dual Magnum), carrots (Lorox), lima bean (Reflex), cucumber (Sanda), onions (Starane Ultra, Vydade L),

Special Local Need Registrations (Section 24c) and Emergency Exemptions (Section 18) Authorized for Use in Wisconsin – Updated 4/19/2018

Product name + label	Active ingredient(s)	FIFRA Section	Labeling ID number	Company	Site(s) of application	Pest problem(s)	Start Date	Expiration Date
Aim EC	Carfentrazone-ethyl	24(c)	WI-150001	FMC Corporation	Hops	Hop sucker, broadleaf weeds	02/17/2015	12/31/2019
Avipel (Dry)	9,10-anthraquinone	24(c)	WI-150005	Arkion Life Sciences	Field and sweet corn seed	Sandhill crane	11/20/2015	07/01/2018
Avipel (Liquid)	9,10-anthraquinone	24(c)	WI-150006	Arkion Life Sciences	Field and sweet corn seed	Sandhill crane	11/20/2015	07/01/2018
Bravo Ultrex	Chlorothalonil	24(c)	WI-180003	ADAMA	Potatoes	Late blight, early blight, Botrytis vine rot, black dot	04/13/2018	12/31/2022
Bravo WeatherStik	Chlorothalonil	24(c)	WI-180004	ADAMA	Potatoes	Late blight, early blight, Botrytis vine rot, black dot	04/13/2018	12/31/2022
Bravo WeatherStik	Chlorothalonil	24(c)	WI-180006	ADAMA	Ginseng	Alternaria and gray mold	04/19/2018	12/31/2022
Bravo ZN	Chlorothalonil	24(c)	WI-180005	ADAMA	Potatoes	Late blight, early blight, Botrytis vine rot, black dot	04/13/2018	12/31/2022
Dual Magnum	S-Metolachlor	24(c)	WI-180001	Syngenta	Multi-Vegetables	Broadleaf and grass weeds	03/27/2018	12/31/2022
Echo 720	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
Echo 90 DF	Chlorothalonil	24(c)	WI-160005	Sipcam Agro USA	Long-season potatoes	Late blight, early blight, Botrytis vine rot	09/16/2016	12/31/2020
Echo ZN	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
Indar 2F	Fenbuconazole	24(c)	WI-160001	Dow AgroSciences	Cherries, peaches, nectarines	Blossom blight, fruit brown rot	03/22/2016	12/31/2020
Linex 4L	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
Lorox DF	Linuron	24(c)	WI-150004	Tessenderlo Kerley, Inc. (NovaSource)	Carrots grown on coarse-textured, low organic matter soils	Broadleaf and grass weeds	05/11/2015	12/31/2019
Omega 500F	Fluazinam	24(c)	WI-160006	ISK Biosciences/Syngenta	Potatoes	Powdery scab	11/16/2016	12/31/2020
Reflex	Sodium salt of fomesafen	24(c)	WI-170001	Syngenta	Lima Beans	Palmer amaranth and nightshade species	04/10/2017	12/31/2021
Sandea	Halosulfuron-methyl	24(c)	WI-140002	Gowan Company	Cucumbers	Nutsedge, broadleaf weeds	07/8/2014	12/31/2018
Spartan 4F	Sulfentrazone	24(c)	WI-170003	FMC Corporation	Strawberries	Weeds including common groundsel and ladysthumb	06/19/2017	12/31/2021
Starane Ultra	fluroxypyr 1-methylheptyl ester	24(c)	WI-150002	Dow AgroSciences	Dry bulb onions	Broadleaf weeds including volunteer potato	03/18/2015	12/31/2019
Stinger (Cranberry)	Clopyralid	24(c)	WI-180002	Dow AgroSciences	Cranberries	Broadleaf weeds	04/13/2018	12/31/2022
Stinger (strawberry)	Clopyralid	24(c)	WI-150003	Dow AgroSciences	Strawberries	Broadleaf weeds	03/31/2015	12/31/2019
Vydate L	Oxamyl	24(c)	WI-140001	DuPont	Dry bulb onions	Onion thrips, stubby root nematodes	06/20/2014	12/31/2018

All UWEX & WPVGA Potato Conference 2018 proceedings and reports, including field trial reports on pesticide efficacy from Drs. Jed Colquhoun, Amanda Gevens, and Russell Groves can be located at the website provided here: <http://wpvga.conferencespot.org/>

We have also provided the proceedings from 2017 and intend to post additional archived proceedings at this site in time.

The 2018 A3422 Commercial Vegetable Production in Wisconsin Guide is now available for 2017. As in past years, the guide can be downloaded for free (link below) or a hard copy can be purchased from UWEX Learning Store for \$10.

<http://learningstore.uwex.edu/assets/pdfs/A3422.PDF>

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Historic late season blizzards pummeled Wisconsin over the last several days. Up to 2 feet of wet snow was dumped on top of the existing snowpack in central Wisconsin, causing fieldwork impossible during this week. Good news is that forecast for the next 10 days looks promising for the snow to melt and soils

to dry out and warm up. Growers in South-Central Wisconsin will try to start planting late next week, while folks in and north of the Plainfield – Plover area might have to wait until the first week of May. Overall, the 2018 potato and vegetable planting season in Wisconsin has been 2 weeks later than normal years due to the cold and snowy April weather.

For the finally arrived planting season, a good tool called Potato Seed Calculation is recently posted by Dr. Andy Robinson on the NDSU potato extension website:

<https://www.ag.ndsu.edu/potatoextension/tables-for-potato-seed-and-plant-population>. Formulas are available in the Excel tables to calculate the amount of potato seed needed to plant at different row widths, within-row spacing, and by seed piece size.

A new University of Wisconsin Farm Fact Sheet entitled “Pink Eye of Potato” has just been published by Amanda Gevens and myself with support of Brian Hudelson, UW-Plant Disease Diagnostician and coordinator of the fact sheet series. The article can be found here <https://pddc.wisc.edu/2018/04/18/pink-eye-potato/>. Symptoms, causes, and management practices of the potato Pink Eye problem can be found in the article.

Happy spring!