

BADGER MEMO



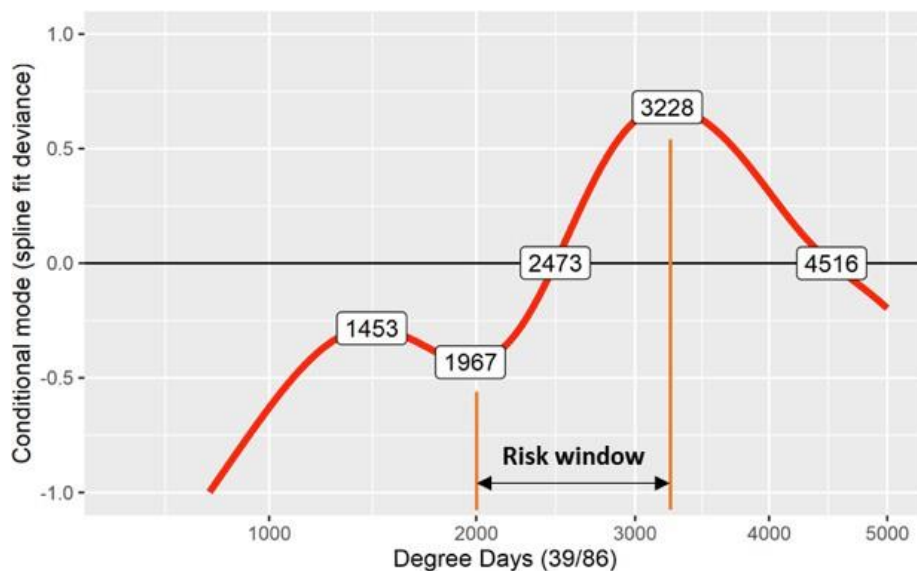
March 2022

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Aphid PVY Transmission Risk Window

A presentation given at the WSPIA Annual Meeting by Dr. Russ Groves described a model depicting aphid flights for species likely to spread PVY in Wisconsin potatoes. The PVY risk index is a model built from suction trap data that highlights a time frame (Risk Window) during the growing season where aphid pressure is highest. Based on many years (2005-2018) the model fit of risk is based on degree days. Cole Lubinski plugged the growing degree criteria into a Wisconsin climactic website to show the risk windows over the last four years based on the closest weather stations. This risk window starts at 1967 GDUs and goes until 3228 GDUs. If you remember 2018 was a warmer than average spring and summer with an above average degree day accumulation.



Twice weekly oil sprays and potentially using feed blockers or aphicides should be targeted within this window. Notice the risk for most locations extends well into September.

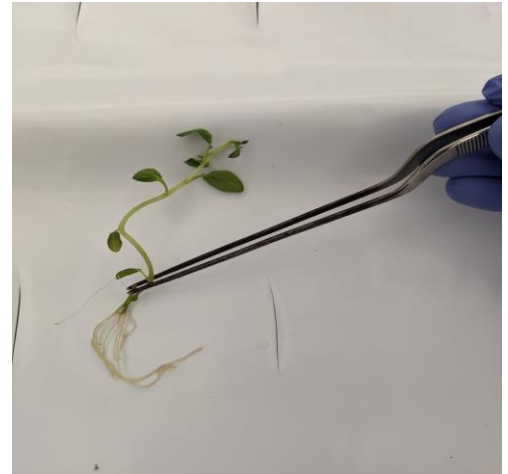
	Antigo	Eagle River	Post Lake	Mountain	Rhineland
2018	7/19-9/4	7/21-9/11	7/12-8/26	7/16-8/28	7/14-8/26
2019	7/29-9/24	8/3-10/7	7/29-9/25	7/26-9/17	7/22-9/16
2020	7/25-9/21	7/28-10/5	N/A	7/22-9/5	7/25-9/19
2021	7/23-9/9	7/26-9/17	N/A	7/19-8/30	7/23-9/7

State Farm Greenhouse update

Matthew Cogger

Planting began in greenhouse four in late January. Previously planting one side of a greenhouse had taken about two days but thanks to the hard work of everyone involved this task took one day to complete! Currently greenhouses three and four are planted and greenhouse two will be planted in late March.

Overall things are looking good in the greenhouses and I've been working with Sarah DeVeer in the Madison lab and Dr. Raymond Cloyd from Kansas State on adapting our thrips management plan. We also had the opportunity to visit Spychalla Farms and learn about their mini tuber production system. The visit was highly beneficial and we will be looking to improve our nutrient delivery system.



The state farm receives plantlets from Madison and are planted in a hydroponic system.

Pre-approval of Seed Lots

ATCP 156 requires the pre-approval of all seed lots entering our certification program. Please get your North American Seed Potato Health Certificates or Nuclear Material Affidavits to us as soon as possible. Thank you. Foundation seed potatoes certified by another state, under standards equivalent to those in this chapter, and pre-approved by the college.

Licensed Varieties

Many new varieties developed by public breeding programs have new requirements for licensing and production. We request that you provide a license or communication with the licensor prior to requesting a variety for field production in our program. The crop directory has every variety requiring a license labeled as such.

We also will be requiring a license or material transfer agreement (MTA) be held by your farm prior to receiving the seed from our foundation seed program. Many of the new varieties being released from US and foreign programs require variety tracking. We appreciate your cooperation! This license requirement is always listed on the program's seed request form.

Caribou russet is amongst the new varieties required to have a license to obtain seed. No new licenses are being granted at this time.



After being planted, the plantlets are covered with cups and slowly acclimated to full sun light.



Greenhouse #4 was planted 1/27(left) & 2/3(right). In this picture the plants are 4-5 weeks post-planting.

Shipping to Colorado? Late Blight

A requirement for all seed sent to Colorado (San Luis Valley) is a Late Blight Incubation Test. This has been a requirement for years now, and without a test, their department of agriculture inspectors will not allow the seed truck or totes to be offloaded. We run this test within the department and may take up to 30 days to complete. The basic process is a 21-day incubation at temperatures conducive to late blight development.

Contact the office for details. This test is a part of Colorado's broader Quarantine rule for Late Blight. For more information: <https://www.sos.state.co.us/CCR/GenerateRulePdf.do?ruleVersionId=8029>

Side note: Any lot entering Colorado with greater than 1% PVY virus also require a PVY test for the N strain of virus.

Requesting a Variance

Under ATCP 156 a grower may request a variance to replant seed for given.

1. Special conditions justify the certification
2. The lot will probably meet certification in the following season, which does not exceed 1% summer readings, and 5% post-harvest mosaic tests
3. Freedom from Bacterial Ring Rot
4. Causes no harm to seed quality, does not pose risk to potato industry and customers

Special conditions that justify variance for recertification are:

- This is the only source of this variety
- No other source exists (widespread problems with a variety)
- Virus readings are very close to tolerances <0.75%

The likelihood that a lot will meet certification status the following year is variety dependent, is related to the field condition, and cultural practices used (rogue, tuber unit, crop protection). In general, for problem varieties (Silverton, Norkotah) lots with up to and including 0.75% will be eligible for recertification. For other lots, up to 1% mosaic is possible under special conditions listed above. All variances require a letter from the grower addressing the four conditions above. A sample format can be provided upon request. Please contact the office with any questions.

State Farm Needs and Wants

An 18 hole Iron Age planter carousel wheel (only need one, but would take additional for backup). Part number P172. The 15 hole is part P162. Please call Matt Cogger (715)525-1643) about any information regarding this item.

Upcoming Events

- | | |
|-------------|------------------------------------|
| March 29-31 | WPS Farm Show Oshkosh, WI |
| July 14 | Hancock Research Station Field Day |
| July 15 | Antigo Research Station Field Day |

MARCH 2022						
SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

www.free-printable-calendar.com