

# BADGER MEMO



January 2021

## SpudPro Update

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Greenhouse production of the new yellow candidate SpudPro candidate (W13103-2Y) will begin next summer of 2021. In the meantime, breeding line 'W13A11229-1rus' is the only pre-release SpudPro clone currently in the State Farm system. This past summer we met goal of 56 lbs of minitubers in 2020 with 59.3 lbs produced. This line will advance to FY1 in 2021. It is high yielding, with a large size profile, similar to Silverton & Plover Russet (W9133-1rus). The attractive tubers have light russetting. The length to width (L/W) ratio similar to Burbank. This variety has long dormancy, between Silverton and Burbank. The high specific gravity, between Burbank and Ranger and low glucose levels, support a light fry color making it attractive as a dual-purpose russet. Please have a look at the slides from the 2019 SpudPro meeting on the website for more data (<https://potatobreeding.cals.wisc.edu/spudpro/>). This variety was in Tier 2 of the National Fry Processing Trial in 2020; expected to advance to Tier 3. Commercial (non-seed) growers should contact Jeffrey Endelman [endelman@wisc.edu](mailto:endelman@wisc.edu) or Becky Eddy [becky.eddy@wisc.edu](mailto:becky.eddy@wisc.edu) for breeder seed requests for 2021 trials. We have asked the committee whether we are to start second wave of seed, the committee decided to wait and revisit in Fall 2021 after one more year of data.



W13A11229-1rus

## PCN Testing Updates (Dianna Kessler)

PCN soil collection was finished by Ben Osborne from Kirk Engineering and Natural Resources on 10/23/20. Soil washing started on 10/15/20 and cyst recovery is ongoing in the office and will be finished around the start of the new year. All is going well, and we are looking forward to the new year. Stay Safe

## Testing Requirements for Trade in US and Canada

	Lab Test PVY		Soil sampling	Other Requirements to import into these states/provinces
	All Varieties	Latent * Varieties		
<b>US Agency</b>				
Alaska	-	-		
California	-	-		
Colorado	✓ <sup>A</sup>	-		Late blight incubation, PHT growout required all seed, <sup>A</sup> virus test for 1.0% PVY <sub>NTN</sub> PHT Tolerance
Idaho	✓	✓		BRR G1 and later gen, PVY, PLRV (visual or ELISA)
Maine	-	✓		
Michigan	-	✓		
Minnesota	-	-		
Montana	NA	NA		Montana does not allow seed import into certification
North Dakota	-	-		
Nebraska/WY	✓	✓	CRKN	Columbia Root Knot Nematode from areas of known to be present/unknown, all russets must be PVY ELISA.
New York	-	-		
Oregon	-	-		
Washington	-	-		
Wisconsin	-	✓		Growout (field or greenhouse) required for recertification.
<b>Canada Agency</b>				
-New Brunswick	✓	✓	PCN	BRR
-PEI	✓	✓	PCN	BRR, PLRV
				BRR, PVY & PLRV testing 200 tuber/ 40 ac (16 ha) +20 add'l tubers per ha over 16 ha. Total virus cap 3% max PLRV is 2%).

Keep in mind if you are importing to another state, they may have other test requirements other than a winter test grow out. Please look at the table for lots going out of state.

The Wisconsin Seed Potato Certification Office will be doing Late Blight Incubation in Antigo so if you need this done please make arrangement to have test done 50 days before lot is shipped. If have any questions on the testing requirement, please contact the Wisconsin Seed Potato Certification Office at 715-623-4039.

## Upcoming Events

- January 2      Grow-Out Readings Begin
- January 5-7    Virtual Potato Expo
- February 2-3   Virtual Grower Education Conference
- July 15        State Farm Tour & Program

JANUARY 2021						
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						

## State Farm Thanks and Needs

The State Farm is in the process of creating a more automated planting which would require a different planter. They are in search of a four row planter. Any information can be directed towards Matt Cogger. (715)525-1643

## **NPC Certification Meeting (Alex Crockford)**

Summary of the National Potato Council Certification committee meeting Dec. 2, 2020. US seed production was all around better for US seed growers with the exceptions of droughts affecting Maine and New York growers. Harvests went far better with no frost impacts like in previous years.

With the changes brought about by Covid-19 and loss of our long time cooperator in Hawaii, many States have modified their post harvest testing plans. Maine continues to sprout test tubers, which we do not recognize as an adequate test for recertification here in Wisconsin. Wisconsin, Michigan, Minnesota, and Nebraska have joined North Dakota to plant their post harvest tests in Homestead, FL. The post harvest readings are currently underway for Wisconsin. Colorado went to a greenhouse grow-out in place of planting in Hawaii or Florida. Montana and Idaho will continue in the short term to plant in Hawaii on land they rent from Dole.

There are twelve signatories to the State National Harmonization Plan, I believe all but Idaho has renewed. Idaho will renew upon the adoption of the most recent version of the Necrotic Virus Management Plan which is under review by APHIS. The plan is in post-comment status. The adoption of this plan is likely in 2021, but it will not likely have any implementation on this current crop year.

A presentation was given by a working group of agency and research colleagues on survey work funded by a grant. The group is investigating opportunities for large scale direct tuber testing. Some work was done by several States to move this process on to the farm setting to do coring. Costs to do this continue to come down, but remain significantly higher than our current test methods, the reliability/accuracy of results also continues to improve but a few states remain concerned that it is not quite where it needs to be.

The PCN update was given from APHIS, 17 fields were released in 2020, 1897 acres in Idaho's regulated area. Four additional fields will likely be released after bioassay (513 acres). Viable cysts were found in 2 infested fields that were under their eradication program, representing 181 acres, these would have to start over again with process.

Acres in western New York under Golden Nematode regulation continue to be release from regulation, some 45,562 will be removed leaving 101,555 acres under regulation. Some 5945 acres remain infested. A total of 1,186,693 acres have been deregulated, due mostly to being taken out of agriculture production.

In late November, CFIA announced that two Potato Wart finds in Canada's Prince Edward Island province have closed the island to export. At the time there were more questions than answers. Tubers were not found, but during an export soil survey for seed to be used for commercial planting, resting spores were found. CFIA is investigating, this represents a new farm not previously connected to previous known or associated fields. This farm raises early generation through commercial generations for commercial markets.