

BADGER MEMO



December 2020

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Florida Planting crew



Bob Arndt operating the planter

Post Harvest Test Planting at Alger Farms, Homestead, Florida

On November 14th program staff headed to Homestead, Florida to plant the CY2020 Post Harvest Test. Bob Arndt, equipment operator at the State Farm and Alex Crockford drove to Michigan to meet up with Jeff Howard of the Michigan Seed Potato Association and drove to FL. Returning to Florida was in response to no longer having a cooperator in Hawaii that could host the plot due to changes in their business and COVID-19. Other states leaving Hawaii included Minnesota, Nebraska, Michigan and Colorado.

Alger Farms, Inc. of Homestead, Florida is our new cooperating farm and our experience with them has been very positive. Alger Farms is a multigenerational produce and nursery business that has the capacity to host North Dakota, Minnesota, Nebraska, Michigan and Wisconsin seed potato programs. Alger farms will plant 1000 acres of sweet corn for winter production, followed by approximately 500 acres of green beans. The well-equipped farm operation also has 250 acres of tropical nursery trees and shrubs in the immediate area.

We planted the plot with a refurbished Iron Age planter that was donated to the State Farm more than 20 years ago. In the weeks prior to our departure, Jim Wanca helped modify the near 70 year old planter to accommodate carrying multiple samples, and program staff provided maintenance and added an over the seed piece sprayer for applying neonicotinoids at plant.

Approximately 20 acres were planted by our team November 17-21 into the soil east of Homestead not far from the Homestead Miami Speedway. It was slow going due to the high soil moisture remaining from Hurricane 'Eta' and due to the problems associated with oversized seed. We planted into pre-formed hills row-marked by Alger Farms John Deere guidance system. The weather was cooperative during the planting period with just light rain experienced, low humidity and windy conditions.

The Alger Farms operation is well equipped with center pivot irrigation, self-propelled spray equipment. We look forward to sharing more details about the grow-out in the near future. Approximately 150 samples remained in Wisconsin for testing in Madison. The 150 samples included a greenhouse grow-out of all the State Farm samples and a via direct tuber testing for duplicate samples of large lots.

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New SpudPro Candidate

W13103-2Y will be produced in the greenhouse at the State Farm in 2021

- Jeff Endelman reviewed data to support nomination (available on the SpudPro website): Smooth skin, round shape, medium maturity, twice as many tubers per plant compared to Yukon Gold, high yield potential, short dormancy, moderately scab resistant, excellent internal quality
- Questions & comments about determinate growth habit (Jeff thinks so), any lenticel problems (none that Jeff recalls), and importance of skin brightness (which it has)
- Jeff mentioned that it was tasted by ~20 students this fall and was not significantly different from other yellows
- Yi, Troy and Amber have it in a storage trial, so they'll be able to provide storage data

M/S/P J. Endelman, A. Gotch To move forward in the SpudPro Program and produce minitubers in 2021.

State Farm Needs and Wants

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

Upcoming events

December 2	US Certification Meetings, Virtual
December 16	WSPIA Board Meeting, Chase Bank, 1:00 pm
January 5-7	Virtual Potato Expo
February 2-3	Virtual Grower Education Conference
January 2	Grow-Out Readings Begin
July 15	State Farm Tour & Program

DECEMBER 2020

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		

Testing Requirements for Trade within US and Canada

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.

Testing Requirements for Seed Potato Trade within US and to Canada (in addition to Post Harvest Test)

US Agency	Lab Test PVY		Soil sampling	Other Requirements to import into these states/provinces
	All Varieties	Latent *		
Alaska	-	-		
California	-	-		
Colorado	✓ ^A	-		Late blight incubation, PHT growout required all seed, ^A virus test for 1.0% PVY _{NTN} 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, <u>all russets</u> must be PVY ELISA.
New York	-	-		
Oregon	-	-		
Washington	-	-		
Wisconsin	-	✓		Growout (field or greenhouse) required for recertification.
Canada Agency	-	-	PCN	BRR
-New Brunswick	✓	✓	PCN	BRR, PLRV
-PEI	✓	✓	PCN	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%).

* Latent varieties include: Alpine Russet, Austrian Crescent, Banana, Blazer Russet, CalWhite, Caribou Russet, Chieftain, Chipeta, Classic Russet, Crestone Russet, Dakota Diamond, Easton, French Fingerling, Gem Russet, Green Mountain, Innovator, Ivory Russet, Keystone Russet, LaRatte, Mesa Russet, Pike, Purple Peruvian, Rose Finn Apple, Russet Norkotah, Sage Russet, Shasta, Shepody, Silverton Russet, Winema, Snowden