

# BADGER MEMO



February 2021

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## Winter Test Report

The Wisconsin Post Harvest test wrapped up January 20 and while rejections are up slightly to 2%, we had an average year for certification. Foundation and certified lots remained consistent with recent trends and even long-term trends (see graph certification over 25 years). Wisconsin has steadily remained around 80% eligible for recertification (Foundation class) and 20% of seed lots meeting the certified seed tolerances to proudly carry the Badger Brand seed tag. The fundamentals are strong, the program is working, few other states can lay claim that 98% of lots planted for seed are eligible for certified seed for planting.

Florida was adequate to complete the grow-out despite a very wet winter and below normal temperatures. Greenhouse production and lab testing came in as a handy assist to provide capacity for making certification decisions. We intend on bidding again Florida and Hawaii for a multi-year contract to provide land and plot care to carry on the work to assess lots for PVY, PLRV, variety admixture and blackleg.

It's the time of year whereas a program we shift our focus on the new year, making field planting plans, discussing strategy on how to keep our seed clean and improve on what we deliver to you. Our certification team is happy to discuss with farms their seed needs, planting and agronomy strategies to keep certification improving.

## Inspection Training

Matt Cogger had the opportunity to travel out to Florida for inspections. This opportunity is great for training of virus and variety identification. At the end of his time out there he was given a test where he needed to identify variety, state the percent of virus and mixture in that variety, and based on ATCP156 he needed to label each section (foundation, certified, or rejected). We are happy to say that he did very well, and his time spent out there was a useful learning experience.

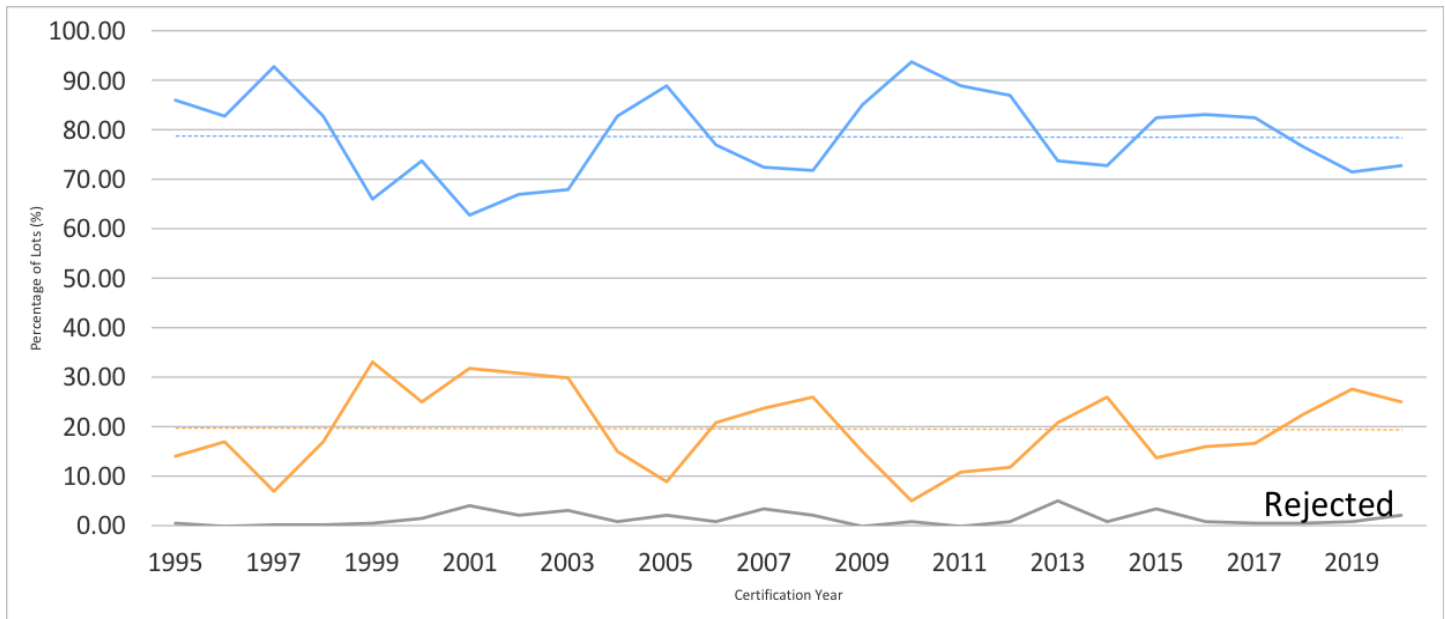
## PCN Testing Update

PCN testing has been finalized by Dianna Kessler. She is glad to say that no suspect cysts have been found this season, so all is well. Seed lots from PCN tested fields that also have an accredited Bacterial Ring Rot test may be eligible for trade to Canada.



The winter test in Florida this year made it easier for growers to visit the plots.

## Post Harvest Test Results Through Time



The Post Harvest Test Results plotted over time reflect the normal ups and downs of readings over the last decades. Within the last 10 years, the major strain type has changed from a predominance of PVY O (ordinary strain) to a predominance of PVY NO (recombinant strains). Also, in the last decade, we've seen a significant increase in the tuber necrotic strain of PVY (NTN). What was a minor percentage of PVY strains, NTN has grown. PVY O strains are rarely seen if seen at all.

## Requesting a Variance

Under ATPC 156 a grower may request a variance to replant seed for certification. There are several conditions upon which a variance may be 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 exist (wide spread 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.



Wisconsin's potato plot in  
Homestead Florida

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*Contact the office if you are considering a variance request, need guidance, or a form.*

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## Shipping to Colorado? Late Blight Assay

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 it 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>

## Upcoming Events

Feb 2-3 WPVGA Virtual Grower Ed Conference

Feb 18 Virtual United Potato Growers Annual Meeting

July 15 State Farm Tour & Program

FEBRUARY 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						

## Open Seed Potatoes State Farm

Available Seed is as follows. If you have any questions, please contact the office.

Red Endeavor 21 cwt (E1) & 78 cwt (E2)

Mercury (E1) ~250-300 cwt

Caribou (E2) ~200-250 cwt mostly oversize 12-16 oz

## 2020 State Farm Crop Data

VARIETY NAME	ACRONYM	GEN.	FIELD	ACRES	HARVEST TOTALS (cwt)	YIELD (cwt/acre)	CWT NEED FOR 4 SALE/SEED	CUT NEEDS cy2021 (cwt)	GOAL DIFF % OF GOAL (cwt)	
Adirondack Blue	ADB	E-1	Moonshine	0.05	22	435	30	--	-10.0	67%
Adirondack Red	ARR	E-1	Moonshine	0.06	27	444	15	--	9.5	163%
Atlantic	ATL	E-2	North Field	10.07	3466	344	3155	--	33.7	101%
Atlantic	ATL	E-1	Northwest Field	1.32	440	334	444	258	-39.2	91%
Austrian Crescent	AUS	E-1	Moonshine	0.08	10	130	15	--	-5.4	64%
Caribou	CBU	E-2	North Field	3.53	1142	324	800	--	250.6	131%
Caribou	CBU	E-1	Moonshine	0.26	57	220	129	84	-76.3	41%
Carola	CAR	E-1	Moonshine	0.05	15	296	15	--	-1.4	91%
Dark Red Norland	DRN	E-2	North Field	6.05	2096	346	2176	--	-247.7	89%
Dark Red Norland	DRN	E-1	Northwest Field	0.83	251	303	207	135	23.9	112%
French Fingerling	FIG	E-1	Moonshine	0.06	17	290	15	--	1.0	107%
German Butterball	GBB	E-2	Moonshine	0.02	17	--	35	--	-19.0	46%
German Butterball	GBB	E-1	Moonshine	0.03	with E2s	0	35	--	--	--
Goldrush	GDR	E-2	North Field	6.94	2341	338	2150	--	3.7	100%
Goldrush	GDR	E-1	Northwest Field	1.42	477	337	204	112	234.8	215%
Hodag	HDG	E-2	North Field	2.27	603	266	580	--	-25.2	96%
Hodag	HDG	E-1	Moonshine	0.37	77	207	85	59	-14.4	83%
Kennebec	KEN	E-2	Moonshine	0.39	83	213	35	--	41.4	218%
Kennebec	KEN	E-1	Moonshine	0.05	with E2s	--	--	--	--	--
Lady Liberty	LLB	E-2	Northwest Field	1.03	238	231	400	--	-181.0	55%
Lakeview Russet	W9433	E-2	Moonshine	0.29	115	397	105	--	0.8	101%
Lakeview Russet	W9433	E-1	Moonshine	0.05	--	0	19	13.3	-19.0	0%
Lamoka	LMK	E-2	North Field	11.59	3438	297	3400	--	-237.0	93%
Lamoka	LMK	E-1	Northwest Field	1.92	469	244	380	251	51.5	114%
Langlade	LAN	E-1	Moonshine	0.34	108	317	60	--	39.2	165%
Mackinaw	MKW	E-1	Moonshine	0.28	0	0	95	65.4	-95.0	0%
Magic Molly	MGM	E-1	Moonshine	0.08	11	133	10	--	-0.2	98%
Manistee	MST	E-2	North Field	4.72	1395	296	1470	--	-186.6	87%
Manistee	MST	E-1	Northwest Field	0.59	142	241	223	153.6	-92.4	59%
Megachip	MCP	E-2	Moonshine	1.00	373	373	436	--	-92.8	79%
Megachip	MCP	E-1	Moonshine	0.25	32	127	47	32.4	-17.7	62%
Mercury	MER	E-1	Northwest Field	1.97	551	280	225	--	281.9	225%
Norkotah Line 8	CN8 CON	E-1	North Field	0.69	216	312	500	--	14.5	103%
Norkotah Line 8	CN8 NFT	E-1	North Field	1.46	343	235	--	--	-	--
Norkotah TX296	RNK296 CON	E-1	North Field	0.53	--	--	--	--	--	--
Norkotah TX296	RNK296 NFT	E-1	North Field	0.61	239	394	250	--	-29.8	88%
Norland	NLD	E-2	North Field	1.82	539	296	760	--	-264.1	65%
Norland	NLD (RNL)	E-1	Northwest Field	0.36	104	289	83	54	12.7	115%
Oneida Gold	ONG	E-2	Moonshine	0.43	130	302	81	--	38.6	148%
Oneida Gold	ONG	E-1	Moonshine	0.12	2	15	10	7	-8.3	17%
Pike	PIK	E-2	North Field	0.55	82	149	160	--	-84.6	47%
Pike	PIK	E-1	Moonshine	0.08	18	219	19	12	-2.9	85%
Plover Russet	PRS	E-2	North Field	0.93	195	210	300	--	-120.6	60%
Plover Russet	PRS	E-1	Moonshine	0.08	23	291	58	40.3	-36.6	37%
Ranger	RNG	E-1	Moonshine	0.01	2	229	1.5	--	0.0	98%
Red Endeavor	EDV	E-2	Moonshine	0.19	78	411	10	--	61.8	718%
Red Endeavor	EDV	E-1	Moonshine	0.07	21	304	2	1.2	17.6	980%
Red Lasoda (Sel 10)	RLS10	E-1	Northwest Field	1.04	312	300	315	--	-28.0	91%
Red Pontiac	PON (RDP)	E-1	Moonshine	0.04	12	300	30	--	-19.0	37%
Red Prairie	PRA	E-2	Moonshine	0.58	190	328	176	--	-1.2	99%
Red Prairie	PRA	E-1	Moonshine	0.08	26	323	20	13.8	3.8	119%
Reveille	RVR	E-2	North Field	0.20	205	--	--	--	--	--
Reveille	RVR	E-2	Northwest Field	0.66	205	188	200	--	-11.4	94%
Reveille	RVR	E-1	Northwest Field	0.08	25	316	50	33	-26.7	47%
Russet Burbank	RBK	E-1	Moonshine	0.02	4	293	4.5	--	-0.5	90%
Russet Norkotah	RNK CON	E-1	North Field	0.71	239	336	720	--	19.2	103%
Russet Norkotah	RNK NFT	E-1	North Field	1.37	565	414	--	--	--	--
Silverton	SLV	E-1	Moonshine	6.85	2441	357	2660	--	-414.3	84%
Snowden	SNO	E-2	North Field	7.39	2820	382	2685	--	-90.6	97%
Snowden	SNO	E-1	Northwest Field	1.22	311	255	285	171	1.1	100%
Superior	SUP	E-2	North Field	2.82	913	323	816	--	24.0	103%
Superior	SUP	E-1	Northwest Field	0.18	71	394	88	58	-22.7	74%
W8893	W8893	E-2	North Field	0.56	148	266	136.2	--	0.0	100%
W8893	W8893	E-1	Moonshine	0.07	22	319	1	0	19.5	2052%
Waneta	WAN	E-1	Moonshine	0.08	25	308	25	2.7	-2.4	91%
Yukon Gold	YKG	E-2	North Field	1.53	485	317	460	--	-13.8	97%
Yukon Gold	YKG	E-1	Moonshine	0.30	54	179	41	33	8.3	120%