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WISCONSIN CERTIFIED SEED POTATOES

107 Years of Seed Growing Tradition

Pioneers In Seed Potato Certification

Much of the early research work on potato diseases and how they spread was done in Germany and Holland around the turn of the century. Scientists found that, through careful monitoring of the crop and removal of unhealthy plants, they could maintain a vigorous, healthy stock indefinitely. Similar research soon was being conducted in the United States.

USDA plant pathologist W.A. Orton had studied potato certification in Germany and upon his return, began to work with potato growers and Universities to introduce those concepts here.

Efforts by Wisconsin growers led to the establishment of the Wisconsin Seed Potato Improvement Association in 1905. The Wisconsin College of Agriculture had been engaging with the grower community already to improve potato production through special teaching railcars that traveled through potato areas in northern Wisconsin, called "Potato Specials." The College programming emphasized the standardization and purity of potato varieties.

A convention was held in Rhinelander on November 20-21 of 1913 to discuss "Pure Seed of Standard Market Varieties for All Commercial Purposes." At this convention, a formal plan for inspection and certification of potato seed was put into place. The first of now many official seed inspection programs in North America was established and fully implemented with field inspections in 1914. The same objectives of "varietal purity" and "freedom from disease" determined from field inspections remain today.

A reliable source of high-quality, disease-free basic seed stocks remains essential to the strength and growth of Wisconsin's certified seed potato program. 75 years ago, the University of Wisconsin established an elite seed potato operation in Three Lakes, WI.

In 1941, propagation of disease-free stock and attention to clonal selection were key to the early success of this program making Wisconsin a leading supplier of seed potato varieties.

In 1984, a 1,000-acre property became home of the UW farm operation at the bequest of Miss Lelah Starks, a pioneer Wisconsin seed potato grower.

The Lelah Starks Elite Foundation Seed Potato Farm in Rhinelander has provided parity in germplasm availability for all Wisconsin seed growers. A trusted source, the program remains the Wisconsin seed potato growers' primary source of new and established potato varieties.

The farm operation grows 93 acres of field generations one and two seed, operates 4 greenhouses producing conventional and NFT minitubers. Our stewardship of this seed continues through the certification of these seed lots on Wisconsin seed grower farms. There is no other program like it.

The program maintains variety trueness to type; selecting and testing clones, rogueing of weak, genetic variants, and diseased plants to continue to develop and maintain germplasm of your favorite varieties at our laboratory.

A Century-Long Tradition

Administered since inception by the College of Agricultural and Life Sciences, University of Wisconsin – Madison, the program retains a full-time staff of experienced professionals to ensure thoroughness and impartiality in inspection and certification procedures.

Through providing information, exercising technical skill, doing research directed at solving problems, and conducting outreach activities, the University meets the growers at the field level. This special relationship to the academic community brings new information on pathogens, best practices, and introduces high quality basic seed into the marketplace.

A post-harvest Foundation list may be obtained by writing or calling the Wisconsin Seed Potato Certification Program, P.O. Box 328, Antigo, WI 54409: Phone (715) 623-4039; FAX (715) 623-6970.

Strict Standards Mean High Quality From Wisconsin

All certified seed potatoes are produced in a limited generation program with a maximum of seven generations of field propagation.

Certified seed potato growers must enter their entire potato acreage for certification, and plant all acreage with foundation class seed.

Only certified seed potato growers with a record of no bacterial ring rot for two consecutive seasons can produce foundation class seed.

All potatoes entered for certification undergo a minimum of two field inspections and a tuber inspection at harvest or in storage.

All potato storage facilities must be inspected and approved prior to filling with certified seed potatoes.

All potatoes meeting field and tuber inspection standards must be post-harvest tested to be eligible for certified seed tags.

All certified seed potatoes must be graded in accordance with Wisconsin seed potato grade standards before official tags can be attached.

Post-harvest testing of all certified seed lots ensures that problems from late-season virus infections are identified and assessed according to specific tolerances, preventing the movement of seed lots with potentially yield- and quality-damaging virus infections to commercial potato growers.

WISCONSIN CERTIFICATION TOLERANCES

Wisconsin Field and Harvest Inspection Standards for Certified and Foundation Seed Potato Classes*

Disease or Defect	Certified (%)	Foundation (%)
Leaf roll	1.00	0.25
Mosaic	1.00	0.25
Spindle Tuber	0.00	0.00
Total Virus	2.00	0.25
Bacterial Ring Rot	0.00	0.00
Variety Mixture	0.10	0.10

Wisconsin Post-harvest Test

Virus infection of seed lots can and does occur after summer inspections are complete. A post-harvest grow-out of all seed lots is designed to prevent the certification of lots infected late in the season with viruses or other diseases.

Post-harvest Test Standards for Certified and Foundation Seed Potato Classes*

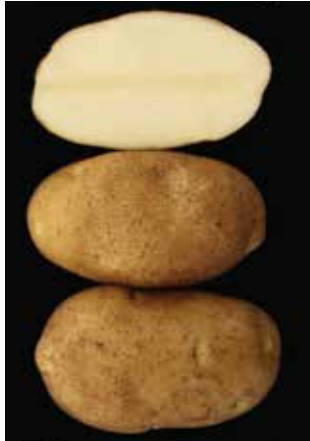
Disease or Defect	Certified (%)	Foundation (%)
Leaf roll	5.0	0.50
Mosaic	5.0	0.50
Spindle Tuber	0.0	0.00
Total Virus	5.0	0.50
Bacterial Ring Rot	0.0	0.00
Variety Mixture	2.0	0.25

**Seed certified in Wisconsin does not exceed the appropriate tolerances listed in the above tables based on visual inspections. Higher tolerances in the winter test are due to the greater likelihood of selecting infected tubers in single-drop seed, as used in this test.*

Any seed imported into Wisconsin for recertification must also meet our same standards, both field and post-harvest test tolerances, for virus and variety mixture. We also view third-party shipping point inspections, required by Wisconsin ATP156, as a critical component of the seed certification process and as an absolute requirement for recertification.

Incidence of Blackleg at first inspection is indicated on the North American Seed Potato Health Certificates. Targeted sampling of field Blackleg samples for Dickeya is now routine.

New fresh market varieties from the University of Wisconsin Breeding Program



Plover Russet

(W9133-1rus)

- **High U.S. #1 percentage** due to its large size profile & consistent, blocky shape
- **Early maturity** but also susceptible to *Verticillium*
- **Long dormancy** and storage potential
- **Common scab tolerance**



Red Prairie

(W8405-1R)

- **Smooth skin** and **shallow eyes**, with slightly oblong tubers
- **High yields** across diverse environments
- **Medium maturity**: 1 week later than Norland varieties
- **Common scab tolerance**

For more information, visit <http://potatobreeding.cals.wisc.edu/varieties>

Recent UW Potato Variety Releases

CHIP

Nicolet: Round-white chipstock with shallow eyes. Full season with good vine growth. Good internal quality, medium to long storage chipping from 48°F. Moderate tolerance to *Verticillium* wilt.

Pinnacle (W5015-12): High-yielding chipstock with somewhat flattened tubers and late maturity. Produces light-colored chips out of cold storage several weeks longer than Snowden. Tolerant to *Verticillium* wilt, susceptible to common scab.

Hodag (W5955-1): Round-white chipstock with high yield potential and common scab resistance. Produces light-colored chips out of cold storage 4-6 weeks longer than Snowden. Larger size profile, with mild hollow heart in oversize tubers in some environments. Specific gravity similar to Snowden.

RED

Red Endeavor (W6002-1R): High-yielding red potato with uniform size, shallow eyes, and color comparable to Dark Red Norland. Skin set is not as good as Norland but better than Chieftain. Good internal quality, scab tolerance, and dormancy.

Red Prairie (W8405-1R): Oblong, high-yielding red variety with smooth skin, shallow eyes, and long dormancy. Skin color comparable to Red Norland but 7-10 days later.

W8893-1R: Early-maturing red variety with very dark skin color and attractive tuber type.

RUSSET

Plover Russet (W9133-1rus): Fresh market russet with early maturity and a high percentage of U.S. #1 tubers due to its large size profile and consistent, blocky shape. Tubers have light russeting, low specific gravity, and long dormancy. Tolerant of common scab but susceptible to *Verticillium*.

W9433-1rus: Bulks very quickly, late vine maturity, good tuber shape, very light russeting.

YELLOW

Oneida Gold (W6703-1Y): Fresh market yellow potato with broader size profile than Yukon Gold and mild netting. Excellent internal quality and modest scab tolerance.

**WISCONSIN SEED POTATO CERTIFICATION
PROGRAM PERSONNEL DIRECTORY**

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Wisconsin Seed Potato Certification

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WISCONSIN SEED POTATO IMPROVEMENT ASSOCIATION



The 2020 Wisconsin Seed Potato Improvement Association board of directors includes (L-R): Roy Gallenberg, Jeff Suchon (Secretary/Treasurer), Matt Mattek, John D. Schroeder (Vice-President), Jeff Fassbender (President).

WISCONSIN SEED POTATO CERTIFICATION PROGRAM PERSONNEL



Staff members of the Wisconsin Seed Potato Certification Program. Includes personnel from Antigo (certification), and Rhinelander (elite foundation seed farm).

First row (L-R) Pat Ridderbusch, Dr. Renee Rioux, Dr. Amanda Gevens, Mary Lepke, Clover Spacek, Alex Crockford, Keith Heinzen, Rose Heinzen, George Neuber

Second row (L-R) Al Ridderbusch, Jessica Graper, Sharon Peterson, Charles Lepke, Josie Spurgeon, Dianna Kessler, Jerry Kuczmarski, Russ Groves

Back row (L-R) Matt Cogger, Josh Kunzman, Travis Eckardt, Barry Eckardt, Cole Lubinski, Jim Meyer

WISCONSIN CERTIFIED SEED POTATO GROWERS DIRECTORY

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Dr. James Spychalla

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Jeff Fassbender

715-216-4433

Sowinski Farms, Inc. - Certified Seed

4698 Tenderfoot Road, Rhinelander, WI 54501
Paul Sowinski **715-272-1192**
John R. Hein 715-550-9010
Farm/Office 715-369-3225
FAX 715-369-3226
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James Shafel Cell 715-216-4532
FAX 715-627-4114
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Vermont Valley Community Farm LLC**Organic Seed Potatoes**

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David or Jesse Perkins **608-212-7816**
Email potato@vermontvalley.com
Website www.organicpotatoseed.com

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Mobile phone 715-216-4035
Shop 715-627-2860
Email wirzinc@yahoo.com
Website www.wirzinc.com

Potato Varieties and Numbered Selections Certified in Crop Year 2020*

Adirondack Blue	Prada
Adirondack Red	Prairie Sun (TT08-24/20)
Atlantic	Radley (HZC07-6049)
Austrian Crescent	Red Endeavor (W6002-1R)
Baby Boomer	Red Gold
Bellamonda	Red La Soda 10-3
Caribou Russet	Red Norland
Carola	Red Pontiac
Colomba	Red Prairie (W8405-1R)
CW08221-2rus	Reveille Russet
Dark Red Norland	Russet Burbank
French Fingerling	Russet Norkotah
German Butterball	Russet Norkotah Sel 8
Goldrush	Russet Norkotah TX 296
Blushing Belle (HO2000)	Silverton
Hodag (W5955-1)	Snowden
Kennebec	Soraya
Lady Liberty (NY152)	Superior
Lamoka	Umatilla Russet
Langlade	Vanguard Russet
Mackinaw (MSX 540-4)	W12078-76
Magic Molly	W8893-1R
Manistee	W9433-1rus
MegaChip	W9742-3rus
Mercury Russet	Waneta (NY138)
Modoc	White Pearl
Molli	Yukon Gold
Oneida Gold (W6703-1Y)	Frito-Lay Varieties
Paroli	UW Breeding Lines
Peter Wilcox	
Pike	
Plover Russet (W9144-rus)	

*through summer readings only



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WHITES:

Atlantic
Snowden
Pike
Manistee
Lamoka
Hodag

REDS:

Red Norland
Dark Red Norland
W8893-R

RUSSETS:

COL 8 Norkotah
Goldrush™
Silverton
TX 296 Norkotah
Burbank
Plover Russet

Members of
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CERTIFIED SEED POTATOES

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Red Prairie
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Red Norland



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, too, if you spent Florida.



- While all state seed potato associations winter test their foundation lots, some do not winter test 100% of their certified seed lots.
- Wisconsin does, and this assures you get only the top-quality seed.
- With the Wisconsin Badger State Brand Tag, you get one grade, one standard—certification that counts.

ed seed potatoes.
with the Best — Wisconsin!

Improvement Association, Inc.
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Please note that the acreage data listed in this directory represent acres meeting field tolerances for foundation and certified class seed potatoes in Wisconsin at the completion of summer field inspections.

All certified and foundation class seed potatoes in Wisconsin are post-harvest tested to ensure compliance with certification requirements. As such, these figures are not final, as certification requirements are not met until tuber inspections, post-harvest testing and grade inspections are complete.

Buyers of Wisconsin certified seed potatoes are encouraged to contact the Certification office to obtain this information at any time. The professional staff at the Certification office also can provide and explain "generation" designations of 2019 seed lots. Results of summer field inspections, tuber inspections and the post-harvest winter test may be obtained by writing or calling the Wisconsin Seed Potato Certification Program, P.O. Box 328, Antigo, WI 54409: Phone (715) 623-4039; FAX (715) 623-6970

Important Notes on this Directory

- 1) An asterisk (*) denotes less than an acre.
- 2) An "F" signifies that seed lots are Foundation (F) class and "C" signifies that seed lots are Certified (C) class.
- 3) LICENSED VARIETY after the variety name indicates seed production occurs under legal arrangement with the owner or agent of the variety, often involving fees.
- 4) The figures listed represent acreages meeting field inspection standards for certified seed potatoes, and does not represent full certification. Results of summer field inspections, tuber inspections and the post-harvest tests may be obtained by contacting the program.
- 5) The acreage figures do not necessarily indicate quantities of seed available for purchase since a portion of the annual production is destined for replanting, fresh consumption or processing.
- 6) Late blight notice: No late was found during normal field inspections.

Limitation of Warranty

The University of Wisconsin College of Agricultural and Life Sciences and the Wisconsin Department of Agriculture, Trade and Consumer Protection make no expressed or implied warranties or representations as to freedom from disease or quality of the seed. The College and Department expressly disclaim any implied warranty of merchantability or fitness for a particular purpose and only certify that the inspected plant and tuber samples conformed to the standards for certification and grading.

The growers of organic seed potatoes listed herein have complied with the rules of seed potato certification in Wisconsin as codified in WDATCP 156. The Wisconsin Seed Potato Certification Program and the Wisconsin Department of Agriculture, Trade & Consumer Protection enforce these regulations and not those of organic production. The Wisconsin Seed Potato Certification Program makes no warranty, expressed or implied, on the organic certification of these potatoes.

https://docs.legis.wisconsin.gov/code/admin_code/atcp/140/156

Wisconsin Certified Seed Potato Directory

Crop Year 2020

Adirondack Blue

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Gallenberg, Darwin	120172	2	F	1.25
	120173	3	F	5.00
Vermont Valley Community Farm	120001	2	F	0.40
Total Acres Passed				6.65

Adirondack Red

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Gallenberg, Darwin	120176	2	F	0.50
Vermont Valley Community Farm	120002	2	F	0.42
Total Acres Passed				0.92

Atlantic

Grower	Cert #	FY	Class	Acres
Hafner Seed Farms, Inc. Kakes Farms, Ltd.	120078	3	F	5.00
	120052	3	F	8.97
	120053	4	F	64.32
Mattek, J. W. & Sons, Inc.	120113	3	F	16.20
	120114	4	F	104.90
Schroeder Bros. Farms, Inc.	120191	3	F	12.40
	120192	4	F	58.10
Seidl Farms, Inc.	120282	3	F	2.50
	120289	4	F	16.30
	120290	5	F	28.80
	120291	4	F	5.10
Sowinski Farms, Inc.- Cert. Seed	120293	5	C	67.80
	120300	3	F	8.50
Sunnydale Farms, Inc.	120159	3	F	3.60
	120167	4	F	32.30
Wild Seed Farms, Inc.	120045	1	F	1.00
	120046	3	F	15.20
	120047	4	F	114.70
Wirz, Inc.	120096	3	F	5.67
	120108	4	C	35.15
	120109	5	C	26.97
	120110	5	C	25.67
Total Acres Passed				709.15

Austrian Crescent

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Gallenberg, Darwin	120168	2	F	0.50
Vermont Valley Community Farm	120003	2	F	0.44
Total Acres Passed				0.94

Baby Boomer

Grower	Cert #	FY	Class	Acres
Baginski Farms, Inc.	120311	4	F	44.00
Schroeder Bros. Farms, Inc.	120197	4	F	40.10
Total Acres Passed				84.10

Blushing Belle (HO2000)

Grower	Cert #	FY	Class	Acres
Schroeder Bros. Farms, Inc.	120202	4	F	116.10

Bellamonda

Grower	Cert #	FY	Class	Acres
Baginski Farms, Inc.	120327	3	F	2.50

Caribou Russet

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Bula Potato Farms, Inc.	120508	3	F	11.00
	120520	4	F	37.40
	120528	5	F	27.80
Bushman's Riverside Ranch, Inc.	120026	3	F	6.20
	120027	5	F	29.90

Total Acres Passed 112.30

Carola

Grower	Cert #	FY	Class	Acres
Vermont Valley Community Farm	120004	2	F	0.64

Colomba

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Baginski Farms, Inc.	120318	4	F	13.00
	120319	3	F	42.00

Total Acres Passed 55.00

CW08221-5RUS

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Eagle River Seed Farm, LLC	120232	1	F	0.28

French Fingerling

Grower	Cert #	FY	Class	Acres
Vermont Valley Community Farm	120006	2	F	0.61

German Butterball

Grower	Cert #	FY	Class	Acres
Gallenberg, Darwin	120170	3	F	1.25
Vermont Valley Community Farm	120007	2	F	0.34

Total Acres Passed 1.59

Goldrush

Grower	Cert #	FY	Clas	Acre
Baginski Farms, Inc.	120305	3	F	8.50
	120312	4	F	103.00
	120313	4	F	10.00
Bula Potato Farms, Inc.	120511	3	F	3.60
	120518	4	F	14.60
Eagle River Seed Farm, LLC	120242	1	F	0.88
Fleischman, David Farms	120550	3	F	5.20
	120559	4	F	38.00
Gallenberg Farms, Inc.	120063	3	F	7.00
	120074	5	F	48.00
Guenthner Farms, Inc.	120090	3	F	1.60
	120091	4	F	28.10
Hafner Seed Farms, Inc.	120075	3	F	4.00
	120087	4	F	25.00
Hartman Farms, Inc.	120533	3	F	2.30
	120536	4	F	28.00
Kakes Farms, Ltd.	120056	3	F	5.10
	120057	4	F	24.02
Schroeder Bros. Farms, Inc.	120180	4	F	123.00
	120198	3	F	23.80
Schroeder Farms, Ltd.	120230	4	F	2.00
Seidl Farms, Inc.	120281	3	F	3.70
	120283	4	C	28.00
	120284	5	C	21.80
Vermont Valley Community Farm	120008	3	F	0.69
Total Acres Passed				559.89

Hodag (W5955-1)

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Mattek, J. W. & Sons, Inc.	120121	3	F	6.80
	120122	4	F	25.70
	120123	5	F	51.80
Schroeder Bros. Farms, Inc.	120188	3	F	7.50
Schroeder Farms, Ltd.	120212	4	F	6.20
	120221	4	F	4.40
	120222	4	F	14.50
Total Acres Passed				116.90

Kennebec

Grower	Cert #	FY	Class	Acres
Gallenberg, Darwin	120174	4	F	6.50
Vermont Valley Community Farm	120017	5	F	0.30
Total Acres Passed				6.80

Lady Liberty**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Bula Potato Farms, Inc.	120523	3	F	10.50
Eagle River Seed Farm, LLC	120243	1	F	0.73
Guenthner Potato Co. Inc.	120034	3	F	9.10
.	120035	2	F	1.70
Mattek, J. W. & Sons, Inc	120129	5	F	0.40
	120130	2	F	2.80
	120131	5	F	37.80
	120132	1	F	0.20
Rine Ridge Farms, Inc.	120145	3	F	33.50
	120146	5	F	19.10
Total Acres Passed				115.83

Lamoka**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Mattek, J. W. & Sons, Inc.	120115	3	F	44.80
	120116	4	F	229.90
	120117	5	F	90.30
Rine Ridge Farms, Inc.	120152	3	F	10.00
	120153	4	F	127.20
	120154	5	F	35.60
Schroeder Bros. Farms, Inc.	120186	3	F	20.50
	120205	4	F	12.70
Schroeder Farms, Ltd.	120219	4	F	176.80
Wirz, Inc.	120099	3	F	6.02
	120102	4	F	50.39
Total Acres Passed				776.21

Langlade**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Guenthner Farms, Inc.	120089	3	F	2.90
	120094	4	C	12.00
Total Acres Passed				14.90

Mackinaw**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Eagle River Seed Farms, LLC	120244	1	F	0.88
Mattek, J. W. & Sons, Inc.	120133	1	F	0.20
Rine Ridge Farms, Inc.	120147	1	F	0.50
Total Acres Passed				1.58

Magic Molly**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Vermont Valley Community Farm	120009	2	F	0.43

Manistee**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acre
Mattek, J. W. & Sons, Inc.	120118	3	F	10.00
	120119	4	F	47.80
	120120	4	F	43.10
Northern Sand Farms	120495	3	F	5.00
	120496	4	F	7.00
Schroeder Bros. Farms, Inc.	120187	3	F	8.50
	120204	4	F	59.50
Seidl Farms, Inc.	120280	3	F	1.50
	120288	4	F	10.30
Sowinski Farms, Inc.- Cert. Seed	120301	2	F	12.20
Wirz, Inc	120098	3	F	3.14
	120107	4	F	28.14

Total Acres Passed	236.18
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MegaChip**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Gallenberg Farms, Inc.	120060	3	F	3.00
	120071	4	F	15.00
Mattek, J. W. & Sons, Inc.	120127	3	F	8.50
	120128	4	F	23.30
Rine Ridge Farms, Inc.	120148	3	F	4.80
	120149	4	F	23.00
	120150	5	F	12.80
Wirz, Inc.	120097	3	F	3.54
	120104	5	F	9.05
	120105	4	C	21.10

Total Acres Passed	124.09
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Mercury Russet**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Baginski Farms, Inc.	120307	3	F	2.00
	120314	3	F	9.00
	120315	3	F	4.00
Eagle River Seed Farm, LLC	120245	1	F	0.44
Eagle River Seed Farm, LLC	120246	1	F	0.15
Fleischman, David Farms	120546	3	F	3.40
	120556	3	F	37.00

Total Acres Passed	55.99
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Modoc**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Baginski Farms, Inc.	120326	4	F	17.00
Eagle River Seed Farm, LLC	120247	1	F	1.19
	120268	3	F	3.70
	120269	2	F	1.39

Total Acres Passed	23.28
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Molli**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Bula Potato Farms, Inc.	120522	3	F	1.20
	120529	3	F	3.00
Eagle River Seed Farm, LLC	120270	2	F	1.76
Total Acres Passed				5.96

NY163**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Kohm and Spychalla	120545	1	F	0.01

Norland (Dark Red Selection)

Grower	Cert #	FY	Class	Acres
Baginski Farms, Inc.	120304	3	F	4.00
	120325	4	F	54.00
Bula Potato Farms, Inc.	120525	4	F	20.30
Eagle River Seed Farm, LLC	120259	2	F	3.83
Fleischman, David Farms	120547	3	F	5.50
	120558	4	F	47.00
Gallenberg Farms, Inc.	120066	3	F	3.00
	120067	4	F	20.00
	120068	5	F	50.00
Gallenberg, Darwin	120544	5	F	2.50
Hartman Farms, Inc.	120535	3	F	2.20
	120542	4	F	28.00
	120543	4	C	45.30
Northern Sand Farm	120497	4	F	13.00
	120501	3	F	1.00
Schroeder Bros. Farms, Inc.	120184	5	C	166.60
	120193	3	F	28.50
Schroeder Farms, Ltd.	120223	4	F	67.60
Sunnydale Farms, Inc.	120165	5	F	30.70
	120158	3	F	4.70
Vermont Valley Community Farm	120005	3	F	1.24
Total Acres Passed				598.97

Norland (Dark Red Selection Z2)

	Cert #	FY	Class	Acres
Eagle River Seed Farm, LLC	120276	4	F	54.66

Norland (Red Selection)

Grower	Cert #	FY	Class	Acres
Baginski Farms, Inc.	120303	3	F	5.50
	120323	4	F	59.00
Eagle River Seed Farm, LLC	120249	1	F	0.27
	120250	1	F	0.67
	120271	2	F	0.60
	120272	2	F	2.48
	120275	4	F	17.80
Fleischman, David Farms	120552	3	F	5.30
	120557	4	F	56.00
Hartman Farms, Inc.	120534	3	F	2.30
	120541	4	F	27.50

Northern Sand Farm	120500	3	F	0.50
Schroeder Bros. Farms, Inc.	120189	3	F	6.60
	120194	4	F	41.70
Seidl Farms, Inc.	120292	5	F	0.63
Sunnydale Farms, Inc.	120156	3	F	3.00
	120163	5	F	26.20

Total Acres Passed	256.05
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Oneida Gold

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Gallenberg Farms, Inc.	120065	3	F	3.00
	120070	4	F	30.00
Northern Sand Farms	120504	4	F	3.00
Vermont Valley Community Farm	120010	3	F	0.66

Total Acres Passed	36.66
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Paroli

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Eagle River Seed Farm, LLC	120248	1	F	0.74

Peter Wilcox

Grower	Cert #	FY	Class	Acres
Vermont Valley Community Farm	120014	2	F	0.47

Pike

	Cert #	FY	Class	Acres
Mattek, J. W. & Sons, Inc.	120125	3	F	4.50
	120126	4	F	25.60

Total Acres Passed	30.10
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Plover Russet (W9133-1rus)

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Bula Potato Farms, Inc.	120514	3	F	3.00
Eagle River Seed Farm, LLC	120257	1	F	0.54
Schroeder Bros. Farms, Inc.	120201	3	F	4.60

Total Acres Passed	8.14
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Prada

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Baginski Farms, Inc.	120328	3	F	4.00

Prairie Sun-TT08-024/20

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Schroeder Bros. Farms, Inc.	120196	4	F	28.20

Radley (HZC07-6049)

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Baginski Farms, Inc.	120309	3	F	3.00
	120324	3	F	6.00

Total Acres Passed	9.00
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Red Endeavor (W6002-1R)**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Gallenberg Farms, Inc.	120064	3	F	5.00
Vermont Valley Community Farm	120015	3	F	0.34
Total Acres Passed				5.34

Red Gold**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Northern Sands Farms	120502	2	F	0.20
Vermont Valley Community Farm	120016	2	F	0.42
Total Acres Passed				0.62

Red LaSoda 10-3

Grower	Cert #	FY	Class	Acres
Guenthner Farms, Inc.	120088	2	F	7.50
	120092	3	F	79.40
	120093	4	F	2.80
Wild Seed Farms, Inc.	120050	2	F	6.10
	120051	3	F	72.00
Total Acres Passed				167.80

Red Pontiac

Grower	Cert #	FY	Class	Acres
Gallenberg, Darwin	120169	2	F	1.25

Red Prairie – (W8405-1R)**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Gallenberg Farms, Inc.	120061	3	F	3.00
	120069	4	F	20.00
Sunnydale Farms, Inc	120160	3	F	2.10
	120164	5	F	8.60
Vermont Valley Community Farm	120012	3	F	0.44
Total Acres Passed				34.14

Reveille Russet**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Bula Potato Farms, Inc.	120515	3	F	3.60
	120517	5	F	28.20
Bushman Riverside Ranch, Inc.	120028	3	F	3.40
Fleischman, David Farms	120560	3	F	1.00
Total Acres Passed				36.20

Russet Burbank

Grower	Cert #	FY	Class	Acres
Baginski Farms, Inc.	120310	4	F	29.00
Schroeder Farms, Ltd.	120185	4	F	53.00
Total Acres Passed				82.00

Russet Norkotah

Grower	Cert #	FY	Class	Acres
Fleischman, David Farms	120548	2	F	5.30
	120553	3	F	52.00
	120554	4	F	54.00
Hafner Seed Farms, Inc.	120076	2	F	3.00
	120084	5	C	29.00
	120085	3	C	25.00
Hartman Farms, Inc.	120532	2	F	1.80
	120537	3	F	12.00
	120538	4	C	19.60
Seidl Farms, Inc.	120278	2	F	2.60
	120285	3	F	11.30
	120286	4	F	24.30
Total Acres Passed				239.90

Russet Norkotah Sel 8**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Baginski Farms, Inc.	120317	4	F	34.00
Eagle River Seed Farm, LLC	120231	1	F	0.88
	120258	2	F	0.60
Schroeder Bros. Farms, Inc.	120179	3	C	99.30
	120199	2	F	10.00
	120203	4	F	31.40
Total Acres Passed				176.18

Russet Norkotah TX296**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Schroeder Bros. Farms, Inc.	120177	3	C	30.30
	120178	4	F	28.80
	120200	2	F	3.60
Total Acres Passed				62.70

Silverton**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Baginski Farms, Inc.	120306	2	F	5.00
	120316	3	F	50.00
Bula Potato Farms, Inc.	120509	2	F	6.6
	120527	3	F	53.70
Bushman's Riverside Ranch Inc.	120018	3	F	50.00
	120019	3	F	50.00
	120020	3	F	50.00
	120021	3	F	50.00
	120022	3	F	50.00
	120023	3	F	50.00
	120024	3	F	50.00
	120025	3	F	34.40
Eagle River Seed Farm, LLC	120251	1	F	1.02
	120252	1	F	0.15
	120273	2	F	7.91
Fleischman, David Farms	120551	2	F	4.80
	120555	4	C	42.00
Hafner Seed Farms, Inc.	120077	2	F	6.50
	120086	3	F	50.00

Silverton**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Kohm and Spychalla, LLC	120505	2	F	0.60
	120506	3	F	3.00
	120507	1	F	0.03
Mattek, J.W. & Sons, Inc.	120124	2	F	42.80
Northern Sand Farm	120494	3	F	13.00
	120498	2	F	3.00
Schroeder Bros. Farms, Inc.	120183	3	F	84.50
Schroeder Farms, Ltd.	120224	2	F	10.50
Total Acres Passed				774.11

Snowden

Grower	Cert #	FY	Class	Acres
Guenthner Potato Co., Inc.	120033	4	F	69.40
Hafner Seed Farms, Inc.	120079	3	F	5.50
	120083	4	F	45.00
Kakes Farms, Ltd.	120058	3	F	6.55
	120059	4	F	36.53
Mattek, J.W. & Sons, Inc.	120111	3	F	24.80
	120112	4	F	179.90
Northern Sand Farm	120499	4	F	25.00
	120503	3	F	2.00
Schroeder Bros. Farms, Inc.	120181	4	F	45.40
	120190	3	F	2.30
Schroeder Farms, Ltd.	120220	3	F	7.90
	120228	4	C	6.50
	120229	3	F	6.90
Seidl Farms, Inc.	120279	3	F	3.70
	120287	5	F	47.70
Sowinski Farms, Inc.- Cert. Seed	120295	4	F	36.00
	120302	3	F	9.50
Sunnydale Farms, Inc.	120157	3	F	4.10
	120166	5	F	35.60
Wirz, Inc.	120095	3	F	6.90
	120101	5	F	26.22
	120103	4	F	80.30
Total Acres Passed				713.70

Soraya**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Eagle River Seed Farm, LLC	120274	2	F	4.15

Superior

Grower	Cert #	FY	Class	Acres
Baginski Farms, Inc.	120308	3	F	8.00
	120320	3	F	28.00
	120321	5	F	29.00
Bula Potato Farms, Inc.	120524	5	F	8.10
Fleischman, David Farms	120549	3	F	5.50
Gallenberg Farms, Inc.	120062	3	F	3.00
	120072	4	F	20.00
	120073	5	F	35.00

Hafner Seed Farms, Inc.	120080	3	F	4.00
	120081	3	F	29.50
Hartman Farms, Inc.	120531	3	F	2.10
	120539	3	F	7.30
Sunnydale Farms, Inc.	120540	5	F	17.90
	120161	3	F	3.80
	120162	5	F	43.90
Vermont Valley Community Farm	120011	3	F	0.67
Wild Seed Farms, Inc.	120048	3	F	3.30
	120049	3	F	13.40

Total Acres Passed	262.47
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Umatilla Russet

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Bula Potato Farms, Inc.	120516	3	F	38.10
Eagle River Seed Farm, LLC	120253	1	F	0.73
	120254	1	F	0.44

Total Acres Passed	39.27
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Vanguard Russet

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Bula Potato Farms, Inc.	120512	1	F	0.30

W12078-76

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Eagle River Seed Farm, LLC	120255	1	F	0.21

W8893-1R

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Eagle River Seed Farm, LLC.	120256	1	F	0.90
Schroeder Bros., Farms, Inc.	120195	2	F	5.20

Total Acres Passed	6.10
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W9433-1rus

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Bula Potato Farms, Inc.	120510	3	F	5.80
	120519	4	F	21.60

Total Acres Passed	27.40
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W9742-3rus

LICENSED VARIETY

Grower	Cert #	FY	Class	Acres
Bula Potato Farms, Inc.	120513	1	F	0.10
	120503	4	F	0.10

Total Acres Passed	0.20
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Waneta (NY-138)**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Rine Ridge Farms, Inc.	120151	3	F	2.10

White Pearl**LICENSED VARIETY**

Grower	Cert #	FY	Class	Acres
Wirz, Inc.	120100	2	F	1.55
	120106	3	C	8.32

Total Acres Passed				9.87
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Yukon Gold

Grower	Cert #	FY	Class	Acres
Bula Potato Farms, Inc.	120521	3	F	3.40
	120526	4	F	13.80
Fleischman, David Farms	120561	4	F	40.00
Gallenberg, Darwin	120171	3	F	1.00
	120175	4	F	6.75
Vermont Valley Community Farm	120013	3	F	0.46

Total Acres Passed				65.41
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Frito-Lay varieties**LICENSED VARIETIES**

Total Acres Passed				2,385.59
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UW Breeding Station**9.75**

Total Acres Passed - All Varieties 9,293.54

This directory was prepared by the Wisconsin Seed Potato Certification Program, University of Wisconsin- Madison <http://labs.russell.wisc.edu/seedpotato/> and by Spectra Print in Stevens Point, WI for the Wisconsin Seed Potato Improvement Association www.potatoseed.org

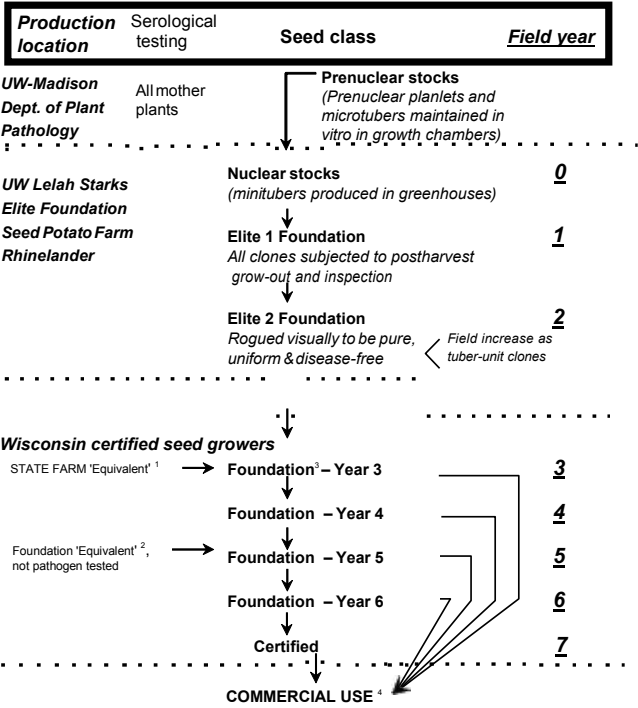
www.potatoseed.org**The Wisconsin Advantage:****Seed Beyond Certification**

A video highlighting the unique features of seed potato production and certification in Wisconsin.

A free DVD is also available from the Wisconsin Potato and Vegetable Growers Association (715-623-7683).

WISCONSIN GENERATION SYSTEM

All seed potatoes certified in Wisconsin are classified according to Wisconsin's limited generation system (below).



¹ May regenerate by tuber-unit planting plus pathogen testing. ² May regenerate by tuber-unit planting. ³ "Foundation" means eligible for continued use in seed production; may also be sold for fresh market or for processing. ⁴ Sold as Foundation or Certified class seed. Either class must meet blue or yellow tag grade requirements when shipped. The Badger State Brand blue tag meets or exceeds the U.S. No. 1 Seed Potato Grade. The yellow tag represents a second grade with greater tolerances for external defects.

The production of elite foundation seed in Wisconsin begins in the laboratories of the Department of Plant Pathology at the University of Wisconsin-Madison.

Disease-free pre-nuclear plantlets are transported to the UW Lelah Starks Elite Foundation Seed Potato Farm in Rhineland, an elite foundation seed production program that began in 1941.

Certification Program staff are integrally involved in the management of the State Seed Farm, providing not only a concentration of specific expertise in basic seed production, but also accountability to the industry to maintain the highest scientific standards in seed production. Nuclear stocks (minitubers) are produced in greenhouses in the first production cycle at the State Farm. One or two elite field generations follow. Highly skilled seed certification inspectors direct removal of inferior or diseased plants on a weekly basis up to the time of tuber bulking. Varieties are increased as tuber-units in the second field generation to facilitate detection and elimination of any pathogens present. Disease development and spread is controlled by strict sanitation and cultural practices.

COMPARING GENERATIONS

The following table presents generation nomenclature among seed certifying agencies in North America as a function of number of years of field planting.

LIMITED GENERATION CERTIFIED SEED POTATOES
Field Planting Equivalency Table¹

	YEAR IN THE FIELD ^{2,3}							
Agency	1	2	3	4	5	6	7	8
Alaska	G1	G2	G3	G4	G5	G6	G7	G8
California	G1	G2	G3	G4	G5	...	...	...
Colorado	G1	G2	G3	G4	G5	G6	...	...
Idaho ⁵	FY1	FY2	FY3	FY4	FY5	FY6	FY7	...
Maine ⁵	FY1	FY2	FY3	FY4	FY5	...	...	...
Michigan ⁵	FY1	FY2	FY3	FY4	FY5	FY6	...	...
Minnesota	G1	G2	G3	G4	G5	G6	C	...
Montana	N	G1	G2	G3	G4	G5	...	...
Nebraska/ Wyoming ⁵	FY1	FY2	FY3	FY4	FY5	FY6	...	...
Nevada	N	G1	G2	G3	G4	G5	...	...
New York ⁴	(U)G1	(U)G2	(U)G3	G4	G5	G6	...	...
North Dakota ⁵	FY1	FY2	FY3	FY4	FY5	FY6	C	...
Oregon ⁵	FY1	FY2	FY3	FY4	FY5	FY6	...	...
Utah	N(G1)	G2	G3	G4	G5	G6	...	...
Washington	N	G1	G2	G3	G4	G5	...	...
Wisconsin ⁶	FY1	FY2	FY3	FY4	FY5	FY6	C	...
Canada	PE	E1	E2	E3	E4	F	C	...

¹The purpose of this table is to express equivalency of terms used by various certification agencies for seed potatoes harvested from a series of successive field plantings. For specific criteria relating to disease tolerances and other requirements, the reader is referred to the certification regulations of the agency in question.

²The first field planting utilizes laboratory-tested stocks which may be tissue-cultured plantlets, greenhouse-produced minitubers, stem cuttings, or line selections. Contact agencies for details as to types of stocks planted in their programs.

³Term used by agency for seed potatoes for a particular year in the field: C=certified, E=elite, F=foundation, G=generation, N=nuclear, PE=pre-elite.

⁴If lots originate at Cornell-Uihlein Farm, the first three generations (G1-G3) are also designated by a (U) to denote source.

⁵FY=Field Year

⁶FY=Foundation Year

Seed Required to Plant One Acre

Seed piece spacing (in.)	32" Row Spacing			
	Seed piece weight (oz.)			
	1	1&1/2	1&3/4	2
Seed required (cwt)				
6	20.4	30.6	35.7	40.8
8	15.3	23.0	26.8	30.6
10	12.3	18.4	21.4	24.5
12	10.2	15.3	17.9	20.4
15	8.2	12.3	14.3	16.3

Seed piece spacing (in.)	34" Row Spacing			
	Seed piece weight (oz.)			
	1	1&1/2	1&3/4	2
Seed required (cwt)				
6	19.2	28.8	33.6	38.4
8	14.4	21.6	25.2	28.8
10	11.4	17.4	20.4	22.8
12	9.6	14.4	16.8	19.2
15	7.8	11.4	13.8	15.6

Seed piece spacing (in.)	36" Row Spacing			
	Seed piece weight (oz.)			
	1	1&1/2	1&3/4	2
Seed required (cwt)				
6	18.0	27.0	31.8	36.6
8	13.8	20.4	24.0	27.0
10	10.8	16.2	19.2	21.6
12	9.0	13.8	15.6	18.0
15	7.2	10.8	12.6	14.4

Calculating cwt in bulk storage

Cwt in Pile = Pile length x Pile height X Pile width X 0.42

(Pile dimensions in feet)

Temperature conversions

$$^{\circ}\text{C} = \frac{^{\circ}\text{F} - 32}{1.8} \qquad ^{\circ}\text{F} = (^{\circ}\text{C} \times 1.8) + 32$$



Estimating Potato Yields

Dig potatoes from several 10-foot lengths of row (at least 5) and determine the average weight before estimating yield from table below.

Yield per 10 ft of row (lbs)	Row spacing (in.)		
	32	34	36
<i>Estimated yield per acre (cwt)</i>			
12	196	184	174
13	212	200	189
13.5	221	208	196
14	229	215	203
14.5	237	223	211
15	245	230	218
15.5	253	238	225
16	262	246	232
16.5	269	254	239
17	278	262	247
17.5	286	269	254
17.5	286	269	254
18	294	277	262
18.5	302	284	269
19	310	292	276
19.5	319	300	283
20	326	307	290
20.5	335	315	298
21	343	323	305
21.5	351	331	312
22	359	338	319
22.5	368	346	326
23	376	353	334
23.5	384	361	341
24	392	369	349
24.5	400	377	356
25	409	385	363
25.5	416	392	370
26	425	400	377
26.5	433	407	385
27	441	415	392
27.5	449	423	400
28	457	430	407
28.5	446	438	414
29	474	446	421
29.5	482	454	428
30	490	461	436
31	506	476	450
32	523	492	464
33	539	508	479
34	556	523	494
35	572	538	508
36	588	553	522
37	605	569	537
38	621	584	551
39	638	600	566
40	654	615	580
41	670	630	594
42	687	646	609
43	703	661	623

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