Wisconsin Certified Seed Potatoes



2017 CROP DIRECTORY

www.potatoseed.org



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Roberts Irrigation Company

Plover, WI 715-344-4747

Northwest Office:

2022 W. 22nd Ave., Bloomer, WI 54724

715-568-4600

www.robertsirrigation.com





103 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 1000 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.

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 potatoes meeting field and tuber inspection standards must be post-harvest tested to be eligible for certified seed tags.
- All potato storage facilities must be inspected and approved prior to filling with certified seed potatoes.
- 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 <u>all</u> 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 qualitydamaging virus infections to commercial potato growers.
- Incidence of Blackleg at first inspection is indicated on the North American Seed Potato Health Certificates. Wisconsin has been reporting Blackleg incidence for many years, these percentages are based on an official plant count.
- Testing protocols for Dickeya are currently being developed and we will perform PCR testing for our growers per the request of commercial and seed customers. Please contact your grower to request testing as soon as possible to avoid delays.

WELCOME

Please note that the acreage data listed in this directory represent acres meeting <u>field tolerances</u> for foundation and certified class seed potatoes in Wisconsin at the completion of <u>summer field inspections</u>.

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 who purchase seed prior to completion of the post-harvest test are encouraged to check the final classification of seed lots (generally available after February 1) prior to shipping.

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 2017 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. E-mail abcrockford@wisc.edu

2017 Wisconsin Act 46: Certified Seed Potatoes

2017 WI Act 46 requires all Wisconsin potato growers planting five or more acres in a calendar year to use certified seed potatoes from the Wisconsin Certified Seed Potato Certification Program or equivalent certified seed from another state.

Authored by Senator Jerry Petrowski (R-Marathon) and Representative John Spiros (R-Marshfield), the bill passed the Senate on a voice vote and was concurred by the Assembly on a voice vote, Governor Scott Walker signed the bill on August 2, 2017. This Act takes effect on January 1, 2018.

This link takes you to 2017 WI Act 46: https://docs.legis.wisconsin.gov/2017/related/acts/46.pdf

The certification standards for Wisconsin are found in administrative rule ATCP Chapter 156 which is referenced in the Act. A basic summary is attached of WI certified seed tolerances. **Post harvest testing is required**. Please see full rule at the following website and contact us with any questions regarding certification.

http://docs.legis.wisconsin.gov/code/admin code/atcp/140/156

Proper documentation must be provided to the receiving grower, including:

- The name and location of the person from whom the seed potatoes were purchased.
- A copy of the sales contract and invoice for the seed potatoes.
- The certification tag for the seed potatoes

WISCONSIN CERTIFICATION TOLERANCES

Tolerances for Certified and Foundation Seed Potato Classes in Wisconsin

Wisconsin seed potatoes are classified as "certified" or "foundation" depending on disease and mixture levels and intended use. Tolerances for certified class are set to meet minimum acceptable standards for commercial production (see table). Foundation class seed meets much stricter tolerances required to protect the integrity of the seed industry.

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 occur after summer inspections are complete. A post-harvest grow-out of <u>all</u> 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 meet our standards in both field and post harvest test tolerances, for virus and variety mixture. Third-party shipping point inspection, required by Wisconsin ATCP156, is critical component of the seed certification process and is an absolute requirement recertification.

WISCONSIN SEED POTATO CERTIFICATION PROGRAM PERSONNEL DIRECTORY

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Wisconsin Seed Potato Certification

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WISCONSIN SEED POTATO CERTIFICATION PROGRAM PERSONNEL



Staff members of the Wisconsin Seed Potato Certification Program includes personnel from Antigo (certification), Rhinelander (elite foundation seed farm), and Madison (tissue culture laboratory).

Back row (L-R)

Josh Budreau, Travis Eckardt, Barry Eckardt, Joshua Kunzman, Bob Taylor, Andy Witherell, Peter Scheuermann Middle row (L-R)

Dr. Russ Groves, Dr. Amanda Gevens, Rose Heinzen, Keith Heinzen, Liam Heinzen, Dianna Kessler, Jim Meyer, George Neuber. Brooke Babler

Front row (L-R) Sean Malone, Patricia Ridderbusch, Jessica Graper, Alex Crockford, Kevin Bula, Abigail Anzelmo, Josie Spurgeon, Clover Spacek

WISCONSIN SEED POTATO IMPROVEMENT ASSOCIATION



The 2017 Wisconsin Seed Potato Improvement Association board of directors includes (L-R): John D. Schroeder (Secretary/Treasurer), Jeff Fassbender, Dan Kakes, Charlie Mattek (Vice President), Bill Guenthner (President).

WISCONSIN CERTIFIED SEED POTATO GROWERS DIRECTORY

Baginski Farms, Inc.

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 715-627-7753

 FAX
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 Mike Baginski
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 Mike Baginski Cell
 715-216-1240

 Email
 mike@baginskifarms.com

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 Jon
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Email davidfleischmanfarms@qmail.com

Frito-Lay, Inc.

4295 Tenderfoot Rd., Rhinelander, WI 54501 Joshua Rahm **715-365-1622** FAX 715-365-1620

Gallenberg, Darwin 715-623-6586

W8636 County B, Bryant, WI 54418

Gallenberg Farms, Inc.

W7932 Edison Rd, Bryant, WI 54418

Farm 715-623-7018

Roy Gallenberg 715-627-2906

John Gallenberg 715-623-2295

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Email rgallenberg@hotmail.com

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N4653 Chillie Rd., Antigo, WI 54409

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Bill Guenthner 715-627-2792

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Robert Guenthner 715-623-7877

Email rhodagpci@gmail.com

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 Michael Hartman Cell
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 Todd Hartman
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 John Hartman
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W8539 Kakes Rd., Bryant, WI 54418

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Dan Kakes 715-623-7268
Dan Kakes Cell 715-216-6348
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 Kenneth Mach
 715-627-4187

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 David Bula
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 Stan Bula
 715-889-2911

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Dan's Mobile 715-216-0765
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Schroeder Bros. Farms, Inc. / Schroeder Farms, Ltd.

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Office/Farm 715-623-2689 FAX 715-627-4857 Warehouse, Schr. Farms, Ltd. 715-627-7022 John T. Schroeder 715-623-5735 Pete Schroeder 715-627-4069 Robert Schroeder 715-623-3113 Eric Schroeder Mobile 715-216-0186 Fmail farm@sbfi.biz John T Email johnt@sbfi.biz eric@sbfi.biz Eric Email

Seidl Farms, Inc.

N5677 Chillie Rd., Deerbrook, WI 54424

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Sowinski Farms, Inc. - Certified Seed

4698 Tenderfoot Road, Rhinelander, WI 54501
Paul Sowinski **715-272-1192**John Hein, Seed Mgr. Cell 715-401-0408
Farm/Office 715-369-3225
FAX 715-369-3226
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Sunnydale Farms, Inc.

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Mike Shafel Cell 715-216-4531
James Shafel Cell 715-216-4532
FAX 715-627-4114
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Vermont Valley Community Farm LLC Organic Seed Potatoes

4628 CTH FF, Blue Mounds, WI 53517

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

Wild Seed Farms, Inc.

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 Donald Wirz
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 FAX
 715-627-4523

 Mobile phone
 715-216-4035

 Shop
 715-627-2860

 Email
 wirzinc@yahoo.com

 Website
 www.wirzinc.com

Typically over 85% of seed lots entered for certification meet FOUNDATION quality standards for both field and post-harvest test inspections.

Recent UW Potato Variety Releases

Accumulator: Chipstock with very high yield potential (10-20% above Snowden). Suitable for off-the-field frying. Variable tuber shape and eye depth. Susceptible to common scab.

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.

Tundra: Round-white chipstock with full season maturity and large, vigorous canopy. Long storage chipper from 48°F for 6-9 months. Moderately susceptible to common scab.

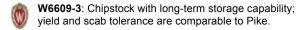
Pinnacle (W5015-12): High-yielding chipstock with somewhat flattened tubers and late maturity. Produces light-colored chips out of cold storage several weeks longer than Snowden. Tolerant to *Verticillium*, susceptible to common scab.

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 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.

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.

For Trial Evaluation Purposes



W8405-1R: Oblong, high-yielding red variety with smooth skin, shallow eyes, and long dormancy. Skin color comparable to Red Norland.

W9133-1rus: Fresh market russet with attractive skin, blocky shape, and large size profile.

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

Potato Varieties and Numbered Selections Certified in Crop Year 2017*

Accumulator	Payette Russet
Adirondack Blue	Peter Wilcox
Adirondack Red	Pike
Alegria	Pinnacle (W5015-12)
All Blue	Pioneer Russet
Amarosa	Purple Pelisse (RPE-A)
Atlantic	Red Endeavor (W6002-1
Austrian Crescent	Red Gold
Caribou Russet	Red La Soda 10-3
Carola	Red Norland
CW08370-2RY/W	Red Pontiac
Dark Red Norland	Reveille Russet
Dark Red Norland -Z	Russet Burbank
French Fingerling	Russet Norkotah
German Butterball	Russet Norkotah Sel 8
Goldrush	Russet Norkotah TX 296
Hodag (W5955-1)	Russian Banana
Jelly	Silverton
Kennebec	Snowden
Lamoka	Soraya
Langlade	Superior
Magic Molly	Teton Russet (A008-ITE)
Malou	Tundra (W2310-3)
Manistee	Umatilla Russet
MegaChip	Vitelotte
Mercury	W10251-1P/PW-Fing
Modoc	W6609-3
Molli	W8405-1R
Mountain Gem	W8893-1R
MSV 313-2	W9133-1RUS
MSV 358-3	W9433-1RUS
MSW 044-1	W9576-11Y
MSW 485-2	Waneta (NY138)
MSX 540-2	Wega
Nector	Wendy
NY152	White Pearl
Oneida Gold (W6703-1Y)	Yukon Gold
	Frito-Lay Varieties
	UW Breeding Lines
<u> </u>	

^{*}through summer readings only



Phone: 888-446-7753 715-627-7753 😭 Fax: 715-623-5412 僑 www.baginskifarms.com Reds

Red Norland Dark Red Norland

Yellows

Jelly Elfe Sorava

Fingerlings Russian Banana Malou

Russets

Silverton

Goldrush

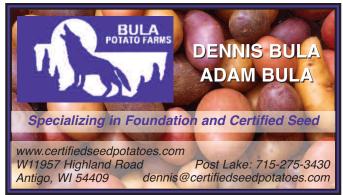
Burbank

Norkotah #8

Whites

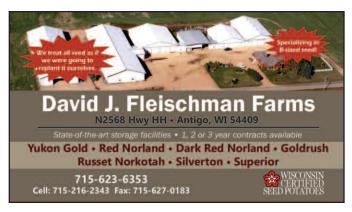
Superior



















100% of Wisconsin Seed Potatoes must be winter tested to be eligible for certified seed tags.

- 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.

Don't bet your farm on untested seed potatoes.

Check the winter test results and Begin with the Best — Wisconsin!





For a directory of Wisconsin Certified Seed Potato Growers, scan this code with your smartphone.











- Atlantic
- Snowden
- Goldrush
- Russet Norkotah
- Red Norland

715-623-6236

Art Seidl - Ryan Fassbender - Jeff Fassbender



Sowinski Certified Seed Farms

Manager: John Hein – Phone: 715-369-3225 Isolated Growing Area - Foundation/Certified

Paul Sowinski 5818 Fire Lane Rhinelander, WI 54501

Phone: 715-272-1192 Fax: 715-272-1658

Varieties Grown Atlantic

Snowden Waneta Hodag Pinnacle

sfiseedfarm@gmail.com



PHONE: 715-627-7401 W9751 COUNTY I FAX: 715-627-4114 **BRYANT, WI 54418**



FOUNDATION & CERTIFIED SEED POTATOES

Atlantics • Superiors • Red LaSodas

(715) 623-3366 • Fax (715) 623-5245

Tom or Dan Wild

W9797 Cherry Road

21



FOUNDATION & CERTIFIED SEED POTATOES

- ATLANTIC PIKE LAMOKA
- SNOWDEN MEGACHIP

Toll Free: 866-257-7739 • Local: 715-627-7739 Fax: 715-627-4523 • Cell: 715-216-4035

wirzinc@yahoo.com

N3581 Wirz Lane - Antigo, WI 54409 www.wirzinc.com

Important Notes on this Directory

- 1) An asterisk (*) denotes less than an acre.
- LICENSED VARIETY after the variety name indicates seed production occurs under legal arrangement with the owner or agent of the variety, often involving fees.
- 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.
- 4) 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.
- 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 warrantee, expressed or implied, on the organic certification of these potatoes.

See ATCP 156

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

This directory was prepared by the Wisconsin Seed Potato Certification Program, University of Wisconsin-Madison http://labs.russell.wisc.edu/seedpotato/ and published by Hahn Printing, Eagle River, for the Wisconsin Seed Potato Improvement Association www.potatoseed.org

Wisconsin Certified Seed Potato Directory Crop Year 2017

Accumulator (W2324-1) Mach's Sunny Acres, Inc	E D VARIETY 11
Adirondack Blue Gallenberg, Darwin Sunnydale Farms, Inc. Vermont Valley Community Farm	ED VARIETY 6 2 *
Total Acres Passed	8
Adirondack Red Gallenberg, Darwin & David Vermont Valley Community Farm	ED VARIETY 1 *
Total Acres Passed	1
Alegria Eagle River Seed Farm LLC	ED VARIETY
All Blue Vermont Valley Community Farm	*
Amarosa Baginski Farms, Inc. Eagle River Seed Farm, LLC	ED VARIETY 1 *
Total Acres Passed	1
Atlantic Bula Potato Farms, Inc. Eagle River Seed Farm, LLC Hafner Seed Farms, Inc. Kakes Farms, Ltd. Mach's Sunny Acres, Inc. Mattek, J. W. & Sons, Inc. Schroeder Bros. Farms, Inc Schroeder Farms, Ltd. Seidl Farms, Inc. Sowinski Farms, Inc Cert. Seed Sunnydale Farms, Inc. Wild Seed Farms, Inc. Wirz, Inc.	15 53 65 19 146 49 35 38 83 31 139

Total Acres Passed

729

	/A DIEEV	Kennebec	
Austrian Crescent LICENSED	VARIETY	Gallenberg, Darwin	7
Baginski Farms, Inc.	3	Vermont Valley Community Farm	*
Eagle River Seed Farm, LLC	1		
Gallenberg, Darwin Vermont Valley Community Farm	1	Total Acres Passed	7
Total Assoc Decead		Lamoka LICENSED	VARIETY
Total Acres Passed	5	Eagle River Seed Farm, LLC	5
		Mattek, J. W. & Sons, Inc.	227
Caribou Russet	VARIETY	Rine Ridge Farms, Inc.	218
Bula Potato Farms, Inc.	1	Schroeder Farms, Ltd.	187
Bala i otato i armo, mo.	•	Wirz, Inc.	41
Carola		Total Acres Passed	670
Vermont Valley Community Farms	1	Total Acres Passed	678
CW08370-2RY/W LICENSED	VARIETY	Langlade	40
Baginski Farms, Inc.	1	Guenthner Farms, Inc.	18
Eagle River Seed Farm, LLC	*	84 1 - 84 - II -	
		Magic Molly	*
Total Acres Passed	1	Vermont Valley Community Farm	
Franch Financina		Malou LICENSED	VARIETY
French Fingerling Vermont Valley Community Farm	1	Baginski Farms, Inc.	14
ronnon rane, command, rann	·	Mariata	WADIETY
German Butterball		Manistee Eagle River Seed Farm, LLC	
Gallenberg, Darwin	1	Mattek, J. W. & Sons, Inc.	1 30
Vermont Valley Community Farm	1	Rine Ridge Farms, Inc.	30
		Schroeder Farms, Ltd.	28
Total Acres Passed	2		
Goldrush		Total Acres Passed	62
Baginski Farms, Inc.	122	MagaChin ICENSED	VADIETY
Bula Potato Farms, Inc.	32	MegaChip Gallenberg Farms, Inc.	VARIETY 30
Eagle River Seed Farm, LLC	4	· · · · · · · · · · · · · · · · · · ·	
Fleischman, David Farms	65	Mattek, J. W. & Sons, Inc.	45
Gallenberg Farms, Inc.	55	Rine Ridge Farms, Inc. Wirz, Inc.	68 38
Guenthner Farms, Inc.	34	VVIIZ, IIIC.	30
Hafner Seed Farms, Inc.	31	Total Asses Dansed	400
Hartman Farms, Inc.	28	Total Acres Passed	180
Kakes Farms, Ltd.	29	Manager Durant LIGENCED	VADIETY
Schroeder Bros. Farms, Inc	137	Mercury Russet Eagle River Seed Farm, LLC	VARIETY
Seidl Farms, Inc.	49	· · · · · · · · · · · · · · · · · · ·	36
Vermont Valley Community Farm	*	Mattek, J. W. & Sons, Inc.	30
vermont valies community raim		Total Acres Passed	37
Total Acres Passed	587	Total Acres Fassed	31
		Modoc LIGENSED	VARIETY
Hodag (W5955-1)	VARIETY	Eagle River Seed Farm LLC	2
Bula Potato Farms, Inc.	2	<u>-</u>	
Mattek, J.W. & Sons, Inc.	39	Molli LICENSED	VARIETY
Northern Sand Farms	30	Bula Potato Farms, Inc.	8
Rine Ridge Farms, Inc.	14	Eagle River Seed Farm LLC	*
Seidl Farms, Inc.	*		
Sowinski Farms, Inc Cert. Seed	4	Total Acres Passed	8
Total Acres Passed	88	Mountain Gem Bula Potato Farms, Inc.	VARIETY
Jelly LICENSED	VARIETY	Duia i dialo i aims, me.	1
Baginski Farms, Inc.	42	MSV313-2 LICENSED	VARIETY
, -		Eagle River Seed Farm, LLC	*

MSV 358-3 Eagle River Seed Farm, LLC	VARIETY 1	Pike Mattek, J. W. & Sons, Inc. 57
MSW 044-1 LICENSED	VARIETY	Rine Ridge Farms, Inc. 3 Schroeder Farms, Ltd. 31
Eagle River Seed Farm, LLC	•	Wirz, Inc. 40
MSW 485-2 LICENSED Eagle River Seed Farm, LLC	VARIETY 1	Total Acres Passed 131
MSX 540-4 LICENSED Eagle River Seed Farm, LLC	VARIETY 1	Pinnacle (W5015-12) Hafner Seed Farms, Inc. Mattek, J. W. & Sons, Inc. 13 Nattek, J. W. & Sons, Inc.
Nector Baginski Farms, Inc.	VARIETY 1	Northern Sand Farms 24 Sowinski Farms, Inc Cert. Seed 2
NY152		Total Acres Passed 53
Guenthner Potato Co. Inc.	3	D
Rine Ridge Farms, Inc.	1	Pioneer Russet Baginski Farms, Inc. 6
Total Acres Passed	4	Purple Pelisse (RPE-A) Eagle River Seed Farm, LLC *
Norland (Dark Red Selection)		
Baginski Farms, Inc.	59	D 15 1 (110000 1D)
Bula Potato Farms, Inc.	27	Red Endeavor (W6002-1R) Collaphora Forms Inc.
Eagle River Seed Farm LLC	1	Gallenberg Farms, Inc. 13 Vermont Valley Community Farm *
Fleischman, David Farms	2 3	vermone valley community raini
Gallenberg, Darwin	ა 61	Total Acres Passed 13
Gallenberg Farms, Inc.	71	100017101001 00000
Hartman Farms, Inc.		Red Gold LICENSED VARIETY
Schroeder Bros. Farms, Inc.	328	Sunnydale Farms, Inc *
Schroeder Farms, Ltd.	4	Vermont Valley Community Farm 1
Sunnydale Farms, Inc.	82	, , , , , , , , , , , , , , , , , , ,
Vermont Valley Community Farm	1	Total Acres Passed 1
Total Acres Passed	696	Red LaSoda 10-3
Nederal (Bark Bark 7 Octor Care)		Guenthner Farms, Inc. 68
Norland (Dark Red Z Selection)	00	Mach's Sunny Acres, Inc. 31
Eagle River Seed Farm LLC	22	Wild Seed Farms, Inc. 56
Norland (Red Selection)		
Baginski, Ted & Sons, Inc.	63	Total Acres Passed 155
Eagle River Seed Farm LLC	61	Red Pontiac
Fleischman, David Farms	60	Gallenberg, David 2
Hartman Farms, Inc	26	Suiteriberg, Buvid
Schroeder Bros. Farms, Inc.	57	Reveille Russet
Seidl Farms, Inc.	27	Bula Farms, Inc.
Sunnydale Farms, Inc.	17	
		Russet Burbank
Total Acres Passed	310	Baginski Farms, Inc. 30
		Schroeder Farms, Ltd. 32
Oneida Gold (W6703-1Y) LICENSED V		
Fleischman, David Farms	5	Total Acres Passed 62
Gallenberg Farms, Inc.	30	
Sunnydale Farms, Inc.	7	Russet Norkotah
Vermont Valley Community Farm	1	Fleischman, David Farms 66
Tatal Assault		Hafner Seed Farms, Inc. 41
Total Acres Passed	42	Hartman Farms, Inc. 29
Payette Russet LICENSED	VARIETY	Seidl Farms, Inc. 36
Bula Potato Farms, Inc.	15	Total Acres Passed 172
		Total Acres Passed 1/2
Peter Wilcox		
Vermont Valley Community Farm	*	

Russet Norkotah Sel 8	VARIETY	Superior	
Baginski Farms, Inc.	25	Baginski Farms, Inc.	52
Eagle River Seed Farm, LLC	2	Bula Potato Farms, Inc.	19
Schroeder Bros. Farms, Inc.	141	Eagle River Seed Farm, LLC	
Schloeder Blos. Fallis, Ilic.	171	Fleischman, David Farms	!
Total Asses Danced	400	Gallenberg Farms, Inc.	63
Total Acres Passed	169	Hafner Seed Farms, Inc.	36
B (N 1 1 TYOOO TO-NO-D	\/ABIEE\/	Hartman Farms, Inc.	27
Russet Norkotah TX296 LICENSED			15
Schroeder Bros. Farms, Inc.	70	Mach's Sunny Acres, Inc.	
		Sunnydale Farms, Inc.	20
Russian Banana LICENSED		Vermont Valley Community Farm	
Baginski Farms, Inc.	10	Wild Seed Farms, Inc.	18
Eagle River Seed Farm, LLC	*		
Total Acres Passed	10	Total Acres Passed	25
		Teton Russet (A008-ITE) LICENSED	/ARIETY
Silverton LICENSED	VARIETY	Guenthner Farms, Inc.	7-1817-11 14
Baginski Farms, Inc.	37	Cachamer Farme, me.	
Bula Potato Farms, Inc.	113	Tundra (W2310-3) LICENSED V	VARIETY
Bushman's Riverside Ranch, Inc.	402	Northern Sand Farms	
Eagle River Seed Farm LLC	13		
Fleischman, David Farms	5	Umatilla Russet LICENSED V	/ARIETY
Hafner Seed Farms, Inc.	66	Bula Potato Farms, Inc.	10
Mattek, J.W. & Sons, Inc.	78	Bula i Otato i aims, inc.	10
Schroeder Bros. Farms, Inc.	81	Vitelotte LICENSED	VABIETY
Schroeder Farms, Ltd.	15		VARIET
,		Eagle River Seed Farm, LLC	
Total Acres Passed	819	W10251-1P/PW-Fing LICENSED	VARIETY
		Baginski Farms, Inc.	
Snowden		Eagle River Seed Farm, LLC	
Eagle River Seed Farm LLC	1	•	
Hafner Seed Farms, Inc.	33	Total Acres Passed	
Kakes Farms, Ltd.	49		
Mattek, J.W. & Sons, Inc.	255	W6609-3 MTA REQUIRED – TRI	AL ONLY
Northern Sand Farm	20	Mattek, J.W. & Sons, Inc.	- {
Schroeder Farms, Ltd.	87		
Seidl Farms, Inc.	58	W8405-1R MTA REQUIRED – TRI	AL ONLY
•		Gallenberg Farms, Inc.	17
Sowinski Farms, Inc Cert. Seed	53	Sunnydale Farms, Inc.	
Sunnydale Farms, Inc.	42	Vermont Valley Community Farm	
Wirz, Inc.	119		
Total Acres Passed	717	Total Acres Passed	18
Soraya LICENSED	VARIETY	W8893-1R MTA REQUIRED – TRI	AL ONLY
Baginski Farms, Inc.	22	Schroeder Farms, Ltd.	- 2
Eagle River Seed Farm, LLC	2	Sunnydale Farms, Inc.	
Schroeder Bros. Farms, Inc.	36	•	
Schloeder Blos. Faillis, Ilic.		Total Acres Passed	;
Total Acres Passed	59	WOARD ADUO	M
		W9133-1RUS MTA REQUIRED – TRI	AL ONL
		Bula Potato Farms, Inc.	2
		Schroeder Farms, Ltd.	2
		Total Acres Passed	4

W9433-1RUS	MTA REQUIRED - TRIAL ONL	Y
Bula Potato Fa	rms, Inc.	1

W9576-11Y MTA REQUIRED – TRIAL O Bula Potato Farms, Inc. Schroeder Farms, Ltd. Sunnydale Farms	1 1 1
Total Acres Passed	3
Waneta (NY-138) Rine Ridge Farms, Inc. Sowinski Farms, Inc Cert. Seed	7 9
Total Acres Passed	16
Wega Bula Potato Farms, Inc.	131 1
Wendy LICENSED VAR Eagle River Seed Farm LLC	ETY 1
White Pearl Northern Sand Farm Wirz, Inc.	9 6
Total Acres Passed	15
Yukon Gold	
Bula Potato Farms, Inc.	18
Fleischman, David Farms	90
Gallenberg, Darwin	7
Sunnydale Farms, Inc.	25
Vermont Valley Community Farm	*
Total Acres Passed	140

Frito-Lay varieties Total Acres Passed	LICENSED VARIETIES 2284
UW Breeding Station lines	2

Total Acres Passed - All Varieties 9,041

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).

Seed Required to Plant One Acre

		' Row Spaci	•	
Seed piece		ed piece we		
spacing (in.)	1	1&1/2	1&3/4	2
	Se	ed 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
	34'	' Row Spaci	ing	
Seed piece		ed piece we	ight (oz.)	
spacing (in.)	1	1&1/2	1&3/4	2
	Se	ed 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
	36'	' Row Spaci	ing	
Seed piece		eed piece we		
spacing (in.)	1	1&1/2	1&3/4	2
	Se	ed 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

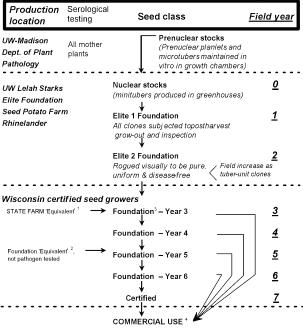
$$^{\circ}F - 32$$

 $^{\circ}C = 1.8$ $^{\circ}F = (^{\circ}C \times 1.8) + 32$



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 tuberunit 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 vellow 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 Rhinelander. 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 Certification Section of the Potato Association of America

	YEAR IN THE FIELD							
Agency	1 ²	2	3	4	5	6	7	8
Alaska	G1 ³	G2	G3	G4	G5	G6	G7	G8
California	G1	G2	G3	G4	G5			
Colorado	G1	G2	G3	G4	G5	G6		
Idaho	N	G1	G2	G3	G4	G5	G6	
Maine	FY1	FY2	FY3	FY4	FY5	FY6		
Michigan ⁶	FY1	FY2	FY3	FY4	FY5	FY6		
Minnesota	G1	G2	G3	G4	G5	G6	С	
Montana	N	G1	G2	G3	G4			
Nebraska/ Wyoming	N	G1	G2	G3	G4	G5		
Nevada	N	G1	G2	G3	G4	G5		
New York⁴	N1	N2	N3	G1	G2	G3	G4	G5
North Dakota	N	G1	G2	G3	G4	G5	С	
Oregon	N	G1	G2	G3	G4	G5		
Utah	N(G1)	G2	G3	G4	G5	G6		
Washington	N	G1	G2	G3	G4	G5		
Wisconsin ⁵	FY1	FY2	FY3	FY4	FY5	FY6	С	
•		·		·	·	·		
Canada	PE	E1	E2	E3	E4	F	С	
	(G1)	(G2)	(G3)	(G4)	(G5)	(G6)	(G7)	

Revision Date: June 2012

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 AU@ to denote source.

56FY = Foundation Year (Wisconsin), Field Year (Michigan).

New varieties from the University of Wisconsin Breeding Program

Oneida Gold (W6703-1Y)



Red Endeavor (W6002-1R)

- Uniform round tubers, shallow eyes
- Bright white flesh with few internal defects
 - Medium red color retained in storage High yield potential



For variety information, contact Jeff Endelman (endelman@wisc.edu, 608-250-0754) For licensing information, contact Emily Bauer (emily@warf.org, 608-262-8638) Check crop directory for sources of certified seed High yield potential, ong dormancy

Bright yellow skin with slight netting Medium yellow flesh High yield potential, full-season Superior tolerance to common scab



Wisconsin Potato and Vegetable Growers Association, Inc. P.O. Box 328

Antigo, WI 54409-0328

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