

Other Oat varieties

released by the North Dakota
Agricultural Experiment Station:

Morton – (2001) High yield with above average test weight, excellent straw strength, good lodging resistance and crown rust resistance.

HiFi – (2001) High yielding, disease resistant with high Beta-glucan concentration.

Killdeer – (2000) High yielding, moderately resistant to crown rust and resistant to stem rust. Strong straw strength with good lodging resistance.

Paul – (1994) Hulless variety with excellent resistance to stem rust, crown rust, and barley yellow dwarf. Tall, with good straw strength, yield and test weight.

For information on the availability of Foundation seed contact:

NDSU Research/Extension Centers

Agronomy Seed Farm, Casselton 347-4743
Carrington Research Extension Center ... 652-2951
Hettinger Research Extension Center 567-4323
Langdon Research Extension Center 256-2582
North Central Research Ext. Center 857-7679
Williston Research Extension Center 774-4315

Or

NDSU Foundation Seedstocks Project
P.O. Box 5051
Fargo, ND 58105-5051
701-231-8140
www.ag.ndsu.nodak.edu/aginfo/seedstock/fss/

Plant Quality Certified Seed

Certified seed is a guarantee for variety identity, germination, and purity. Contact your local seed producer or dealer for quality certified seed.

Seed producers or dealers can be found in the North Dakota Field Inspected Seeds Directory. The directory is available from the North Dakota State Seed Department (NDSSD), North Dakota Crop Improvement & Seed Association, your local county agent, or under the field seeds program of the NDSSD website. www.ndseed.com



Varieties protected under PVPA with Title V option can only be sold as a certified class of seed. **It is the responsibility of the buyer and/or seller to confirm the PVP status of a specific crop variety prior to buying or selling the variety.** PVP status information can be obtained from the ND State Seed Department.

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AGRICULTURE

Stark Oat



www.ndcropimprovement.org

Stark Hulless Oat

Stark was released by the North Dakota Agricultural Experiment Station in the spring of 2004. Stark is a hulless oat selected from a population with the pedigree ND900677/‘Paul.’ Stark has shown a high yield advantage relative to Paul and test weight typically similar to Paul. Stark has similar straw strength, plant height, maturity, and stem and crown rust resistance as Paul, but lower grain oil concentration and grain protein.

To help ensure genetic purity, Stark oat will be protected under PVP Title V and must be sold as a class of certified seed.



Stark General Characteristics

- Typically yields 10% better than ‘Paul’
- Excellent stem rust resistance and good crown rust resistance similar to ‘Paul’
- Good test weight similar to ‘Paul’
- Tall plant height with good lodging resistance

Comparison of grain yield and test weight of Stark with other selected oat varieties in the statewide North Dakota oat variety trials, 2000-2003.

	Grain Yield 4 year average (Bu/Ac)	Test Weight 4 year average (Lb/Bu)
Stark	94	41
Paul	86	42
Morton ¹	118	37
Jerry ¹	109	37

¹Hulled varieties. To compare the groat yield of hulled varieties to hulless varieties, multiply the hulled variety by 0.75.



Comparison of grain quality and agronomic characteristics of Stark with other selected oat varieties in North Dakota oat variety trials, 2000-2003.

	Stark	Paul	Morton	Jerry
Whole oat protein (%)	18.1	20.3	15.3	15.5
Heading date ¹	32	32	30	27
Height (inches)	43.4	42.5	44.9	42.5
Lodging score ²	1.8	2.2	0.9	1.2
Kernel wt. (mg)	25.3	23.5	33.8	34.3
Groat oil (%)	9.3	11.0	7.3	7.4

¹Days after May 31.

²Scale of 0-5 with 0 being the best.

For additional information

about Stark and other oat varieties, refer to the most recent Oat Variety Selection Guide (www.ext.nodak.edu/extpubs/plantsci/smgrains/a1049w.htm) or contact the oat breeder or Extension agronomist at 701-231-7971.