

Other Oat varieties

released by the North Dakota
Agricultural Experiment Station:

Stark – (2004) High yielding and high test weight hullless oat with good lodging and disease resistance.

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.

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

Beach Oat



www.ndcropimprovement.org

Beach Oat

Beach was released by the North Dakota Agricultural Experiment Station in 2004. Beach is a conventional oat selected from crosses of three North Dakota breeding lines and a line from Illinois. Beach has high yield, very stable and high test weight, and has relatively large, white-hulled kernels. This variety has characteristics making it suitable for use in the “racehorse” oats market. Beach has similar heading date to ‘Killdeer.’

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



Beach General Characteristics

- Typically yields similar to ‘Killdeer’
- Moderate crown rust resistance
- Excellent test weight, usually 3 to 4 pounds heavier than ‘Killdeer’
- Suitable for use in the racehorse market

Comparison of grain yield and test weight of Beach 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)
Beach	122	38
Killdeer	126	35
Morton	119	37
Jerry	109	37



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

	Beach	Killdeer	Morton	Jerry
Thin kernels (% < 5/64")	1.0	1.1	1.0	1.1
Whole oat protein	14.4	13.2	15.3	15.5
Heading date ¹	30	29	30	27
Height (inches)	43.7	37.4	44.9	42.5
Lodging score ²	0.9	2.4	0.9	1.2
Kernel wt. (mg)	34.8	33.8	33.8	34.3
Groat oil (%)	9.6	7.8	7.3	7.4

¹Days after May 31.

²Scale of 0-5 with 0 being the best.

For additional information

about Beach 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.