

## Other Oat varieties

released by the North Dakota  
Agricultural Experiment Station:

**Maida** – (2005) High yielding, stem rust resistant, with good test weight and strong straw.

**Beach** – (2004) High yield with above average test weight, excellent straw strength and good lodging resistance.

**Stark** – (2004) High yielding and high test weight hulless oat with good lodging and disease 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/](http://www.ag.ndsu.nodak.edu/aginfo/seedstock/fss/)

## Plant Quality Certified Seed

Certified seed is field inspected and lab analyzed to help ensure 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](http://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.

**NDSU**<sup>®</sup>  
**AGRICULTURE**

**Souris Oat**



[www.ndcropimprovement.org](http://www.ndcropimprovement.org)

# Souris Oat

**Souris** oat was developed by the NDSU Oat Breeding Program and released by the North Dakota Agricultural Experiment Station in July of 2006.

Souris is a white-hulled variety that has a pedigree similar to 'HiFi'. Souris has consistently produced high yields and test weights during five years of testing at several sites in North Dakota and is a good candidate to replace the variety Morton.

Compared to HiFi and Morton, Souris typically has a greater groat percentage, matures slightly earlier, and is about 4 to 6 inches shorter, respectively. The straw strength of Souris is similar to Morton and stronger than HiFi. The groat oil and beta-glucan content of Souris is less than HiFi but greater than in Morton.

Souris has a source of resistance to prevalent races of crown rust including those races which appear to have overcome most currently available varieties. During several years of evaluation in North Dakota, Souris produced yields 8 percent and 2.3 percent greater than Morton and HiFi, respectively. Much of this yield increase has been attributed to the increased protection against crown rust.

Souris performs relatively well under a variety of growing conditions and should provide North Dakota and regional oat producers with a disease-resistant, high-yielding, white-hulled variety with test weights consistently high enough for the premium oat markets, as well as for other uses.

To help ensure genetic purity, 'Souris' oat will be protected under PVPA. A research fee of \$0.25 per bushel will apply to all sales of Certified and Quality Assured Souris Oat Seed. Souris oat will be marketed through the North Dakota Crop Improvement and Seed Association.



## Souris General Characteristics

- Exceptional yield potential
- Excellent test weight
- New source of resistance to crown rust
- White-hulled variety, suitable for use in the premium oat market

Yield and test weight of Souris oat in eastern North Dakota NDSU variety trials, 2004-2006.

Variety	Fargo		Carrington		Edgeley		Langdon	
	Test Weight	Yield						
<b>Souris</b>	<b>41.0</b>	<b>176</b>	<b>36.6</b>	<b>121</b>	<b>41.0</b>	<b>135</b>	<b>37.5</b>	<b>146</b>
Maida	40.5	165	37.2	129	41.4	129	35.3	115
Beach	42.0	152	37.4	123	42.8	134	36.4	125
Morton	41.2	150	37.1	119	42.2	128	39.2	140
Jerry	41.7	148	37.4	110	42.3	115	35.7	105
Killdeer	39.4	183	35.3	127	39.9	132	33.6	123
Hi-Fi	40.3	173	35.8	121	41.4	138	38.3	155

Yield and test weight of Souris oat in western North Dakota NDSU variety trials, 2004-2006.

Variety	Williston		Dickinson		Hettinger		Minot	
	Test Weight	Yield	Test Weight	Yield	Test Weight	Yield	Test Weight	Yield
<b>Souris</b>	<b>37.3</b>	<b>102</b>	<b>34.2</b>	<b>92</b>	<b>35.2</b>	<b>90</b>	<b>36.6</b>	<b>171</b>
Maida	37.1	94	33.6	83	34.7	79	36.5	174
Beach	38.4	102	35.5	88	36.3	83	37.7	179
Morton	37.3	95	33.3	90	33.1	77	36.6	184
Jerry	37.8	82	34.6	84	36.4	82	36.3	148
Killdeer	35.5	104	33.8	96	34.1	93	35.6	171
Hi-Fi	36.5	101	32.9	84	34.0	87	37.0	180