

## Other Oat varieties

released by the North Dakota  
Agricultural Experiment Station:

**Rockford** – (2009). Exceptional yield potential. Excellent test weight. Very good lodging resistance. Good resistance to crown rust. Good protection against stem rust.

**Souris** – (2006). White-hulled high yielding variety with new source of disease resistance to crown rust, and excellent test weight.

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

## For information on the availability of Foundation seed contact:

### NDSU Research/Extension Centers

Agronomy Seed Farm, Casselton.....(701) 347-4743  
Carrington Research Extension Center..(701) 652-2951  
Hettinger Research Extension Center ....(701) 567-4323  
Langdon Research Extension Center.....(701) 256-2582  
North Central Research Ext. Center.....(701) 857-7679  
Williston Research Extension Center .....(701) 774-4315

Or

### NDSU Foundation Seedstocks Project

P.O. Box 6050, Fargo, ND 58108-6050  
(701) 231-8140  
[www.ndfss.com](http://www.ndfss.com)

## 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)

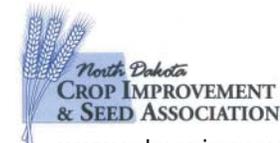


Varieties protected under PVP with Title V option can only be sold as a certified class of seed. **It is the responsibility of the buyer and/or seller to confirm the PVP status of a specific crop variety prior to buying or selling the variety.** PVP status information can be obtained from the ND State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

# NDSU<sup>®</sup>

## AGRICULTURE

# Newburg Oat



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

# Newburg Oat

**Newburg** oat was developed by the NDSU oat breeding project and released by the Agricultural Experiment Station in the Spring of 2011.

Newburg has excellent yield potential out yielding all the majority of commercial oat varieties in yield trials across North Dakota. It possesses average test weight. Newburg heads approximately one day earlier than Rockford and is similar to slightly taller than Rockford. It produces a similar proportion of kernels that pass through a 5/64" sieve relative to Souris, but produces grain with a better kernel weight.

Newburg protein level is similar to other high yielding commercial oat cultivars. The groat percentage of Newburg is similar to Rockford.

Newburg exhibits good resistance to the prevalent races of crown rust and stem rust and would be the only commercial oat cultivar with resistance to prevalent races of crown rust and resistance stem rust race NA67. Newburg appears to have moderate tolerance to barley yellow dwarf virus, but susceptible to loose smut

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



## Newburg General Characteristics

- Exceptional yield potential
- Average test weight, protein and groat percentage
- Only commercial oat cultivar with resistance to crown and stem rust race NA67

Yield and test weight of Newburg oat in eastern North Dakota NDSU variety trials, 2007-2010.

Variety	Fargo		Carrington		Edgely		Langdon	
	Test Weight	Yield (bu/a)						
<b>Newburg</b>	<b>39.9</b>	<b>205.3</b>	<b>36.7</b>	<b>166.8</b>	<b>38.4</b>	<b>155.6</b>	<b>38.4</b>	<b>214.5</b>
Beach	40.9	184.7	38.2	160.5	40.7	162.5	38.3	182.2
Hi-Fi	38.9	199.4	37.1	161.4	38.7	154.3	38.3	192.2
Jerry	41.4	153.1	39.4	137.0	40.8	117.7	39.8	146.3
Maida	37.8	174.6	37.1	157.1	37.3	136.5	37.7	153.9
Morton	39.6	179.7	37.7	160.2	39.5	137.8	38.3	157.8
Rockford	40.6	174.7	38.3	155.5	40.6	140.5	39.9	163.3
Souris	39.0	203.7	36.7	153.1	38.9	153.5	37.4	191.4

Yield and test weight of Newburg oat in western North Dakota NDSU variety trials, 2007-2010.

Variety	Dickinson		Hettinger		Minot		Williston	
	Test Weight	Yield (bu/a)						
<b>Newburg</b>	<b>36.3</b>	<b>135.7</b>	<b>34.8</b>	<b>115.7</b>	<b>36.0</b>	<b>163.1</b>	<b>35.4</b>	<b>98.2</b>
Beach	39.0	131.3	37.5	112.7	38.7	144.4	38.5	90.2
Hi-Fi	35.8	137.0	34.9	111.6	36.5	151.0	35.2	93.4
Jerry	37.8	123.3	37.1	95.1	37.7	126.5	37.5	84.1
Maida	36.8	120.8	35.4	101.8	36.2	129.3	36.1	89.6
Morton	36.9	125.8	36.3	109.7	36.6	140.0	34.9	86.5
Rockford	37.4	123.7	35.4	98.4	38.2	139.3	37.0	88.0
Souris	37.0	142.3	34.7	120.3	36.3	159.8	37.0	90.9