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

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.

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 6050, Fargo, ND 58108-6050
(701) 231-8140
www.ag.ndsu.nodak.edu/aginfo/seedstock/fss/

Other Oat varieties released by the North Dakota Agricultural Experiment Station:

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


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

www.ndcropimprovement.org

®

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Rockford oat was developed by the NDSU oat breeding project and released by the Agricultural Experiment Station in January of 2008.

Rockford is a high yielding variety, and higher test weight better than Morton, HiFi, and Souris across 47 locations in ND. It possesses very good lodging resistant. It has a medium kernel weight, medium grain protein, medium groat percentage with high groat oil concentration, and a medium groat beta-glucan concentration. Rockford has consistently produced high yields and test weights during five years of testing at several sites in North Dakota.

Compared to HiFi and Morton, Rockford typically has a greater groat percentage. It has same maturity as Souris, Morton and HiFi. The straw strength of Rockford is similar to Morton and stronger than HiFi and Souris. The groat beta-glucan content of Rockford is greater than Souris, and Morton.

Rockford possesses a crown rust and Stem rust resistance similar to HiFi and Souris. It is moderately susceptible to stem rust race NA67. Rockford is tolerant to barley yellow dwarf virus.

Rockford performs relatively well under a variety of growing conditions. It has good yields in Eastern and Western North Dakota. It should provide a superior alternative to Morton due to its superior grain yield, test weight, lodging resistance and crown rust resistance.

To help ensure genetic purity, ‘Rockford’ oat will be protected under PVPA. A research fee of $0.20 per bushel will apply to all sales of Certified and Quality Assured Rockford Oat Seed. Rockford oat will be marketed through the North Dakota Crop Improvement and Seed Association.

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**General Characteristics**

- Exceptional yield potential
- Excellent test weight
- Very good lodging resistance
- Good resistance to crown rust
- Good protection against stem rust

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**Yield and test weight of Rockford oat in eastern North Dakota NDSU variety trials, 2004-2008.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Test Weight</th>
<th>Yield (bu/a)</th>
<th>Test Weight</th>
<th>Yield (bu/a)</th>
<th>Test Weight</th>
<th>Yield (bu/a)</th>
<th>Test Weight</th>
<th>Yield (bu/a)</th>
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</thead>
<tbody>
<tr>
<td>Rockford</td>
<td>41.6</td>
<td>183</td>
<td>37.5</td>
<td>129</td>
<td>41.7</td>
<td>141</td>
<td>39.8</td>
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<td>163</td>
<td>37.4</td>
<td>127</td>
<td>41.7</td>
<td>135</td>
<td>37.5</td>
<td>138</td>
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<tr>
<td>Hi-Fi</td>
<td>40.0</td>
<td>182</td>
<td>35.7</td>
<td>125</td>
<td>39.8</td>
<td>133</td>
<td>38.6</td>
<td>160</td>
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<tr>
<td>Jerry</td>
<td>41.4</td>
<td>159</td>
<td>37.5</td>
<td>117</td>
<td>41.2</td>
<td>118</td>
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<td>121</td>
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<tr>
<td>Killdeer</td>
<td>38.6</td>
<td>188</td>
<td>35.2</td>
<td>130</td>
<td>38.9</td>
<td>131</td>
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<tr>
<td>Maida</td>
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<td>170</td>
<td>36.7</td>
<td>130</td>
<td>39.9</td>
<td>124</td>
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<tr>
<td>Morton</td>
<td>41.0</td>
<td>159</td>
<td>37.0</td>
<td>124</td>
<td>40.9</td>
<td>127</td>
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<td>145</td>
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<tr>
<td>Souris</td>
<td>40.5</td>
<td>187</td>
<td>36.5</td>
<td>125</td>
<td>39.8</td>
<td>135</td>
<td>38.1</td>
<td>155</td>
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**Yield and test weight of Rockford oat in western North Dakota NDSU variety trials, 2004-2008.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Test Weight</th>
<th>Yield (bu/a)</th>
<th>Test Weight</th>
<th>Yield (bu/a)</th>
<th>Test Weight</th>
<th>Yield (bu/a)</th>
<th>Test Weight</th>
<th>Yield (bu/a)</th>
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<tbody>
<tr>
<td>Rockford</td>
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<td>103</td>
<td>35.8</td>
<td>83</td>
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<td>96</td>
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<tr>
<td>Beach</td>
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<td>60</td>
<td>36.7</td>
<td>85</td>
<td>37.5</td>
<td>153</td>
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<tr>
<td>Hi-Fi</td>
<td>35.7</td>
<td>98</td>
<td>33.6</td>
<td>79</td>
<td>34.4</td>
<td>88</td>
<td>36.6</td>
<td>154</td>
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<tr>
<td>Jerry</td>
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<td>92</td>
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<td>83</td>
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<td>Killdeer</td>
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<td>100</td>
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<tr>
<td>Maida</td>
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<td>34.5</td>
<td>90</td>
<td>35.3</td>
<td>83</td>
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<td>145</td>
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<tr>
<td>Morton</td>
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<td>92</td>
<td>34.4</td>
<td>92</td>
<td>34.1</td>
<td>81</td>
<td>36.2</td>
<td>155</td>
</tr>
<tr>
<td>Souris</td>
<td>36.8</td>
<td>100</td>
<td>34.6</td>
<td>90</td>
<td>35.7</td>
<td>91</td>
<td>36.1</td>
<td>150</td>
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