### Wisconsin Certified Oat Variety Descriptions

<table>
<thead>
<tr>
<th>Variety</th>
<th>Origin</th>
<th>Kernel Color</th>
<th>Maturity (head date)</th>
<th>Height (in.)</th>
<th>Lodging</th>
<th>Test Wt. (lb/bu)</th>
<th>Kernel Protein %</th>
<th>Crown Rust</th>
<th>Stem Rust</th>
<th>Septoria Smut</th>
<th>BYDV</th>
<th>Smut</th>
<th>Rust</th>
<th>BetaGlucan</th>
<th>BT</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Badger</td>
<td>WI</td>
<td>yellow</td>
<td>late</td>
<td>35</td>
<td>med</td>
<td>35.2 low</td>
<td>33.9</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>MR</td>
<td>R</td>
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<td>Dane</td>
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<tr>
<td>Horsepower</td>
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<td>36.2 med</td>
<td>36</td>
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<td>yes</td>
<td>med</td>
<td>yes</td>
<td>Rockford</td>
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<tr>
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<td>36.1 med</td>
<td>R</td>
<td>MR</td>
<td>low</td>
<td>IR</td>
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<td>yes</td>
<td>Kame</td>
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<tr>
<td>Esker</td>
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<td>39</td>
<td>weak</td>
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<td>IR</td>
<td>IR</td>
<td>MR</td>
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<td>no</td>
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<td>yes</td>
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<td>yes</td>
<td>med</td>
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<td>med</td>
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<td>yes</td>
<td>med</td>
<td>no</td>
<td>BetaGene</td>
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</tbody>
</table>

1. Three year average
2. R = excellent resistant, IR = intermediate or very good, MR = moderate or good, S = susceptible or poor resistance

**Wisconsin Crop Improvement Association**

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For variety descriptions not listed visit wcia.wisc.edu.

**Forage/Mulch**

Wisconsin Crop Improvement Association

OAT DATA FOR 2017 PLANTING

**Badger** — Badger is an early season oat developed at the University of Wisconsin in 2010. It has a heading date that is one day earlier than Kame. Badger has had consistently high grain yields and excellent test weight. Lodging percentage is about equal to Vista. Badger is one inch shorter than Kame. Badger has good barley yellow dwarf virus tolerance and very good crown rust resistance. Badger is a U.S. Plant Protected Variety (PVPA 1994). Seed of Badger can legally be produced and labeled for sale only by growers who have been licensed by the Wisconsin Crop Improvement or its legal agent.

**BetaGene™** is a mid-late maturity variety with good yield potential and high beta-glucan levels released at the University of Wisconsin in 2015. BetaGene™ has good test weights, similar to Vista and heads out 2 days later than Esker and 2 days earlier than Vista. BetaGene™ is 3 inches shorter than Vista and similar in height to Excel with lodging similar to Deon. Very good crown rust resistance and BYDV tolerance comparable to both Ron and Vista. BetaGene™ is U.S. Plant Protected Variety (PVPA 1994), Title V, as X8787-1. Seed of BetaGene™ can be produced and labeled for sale only by growers who have been licensed by the Wisconsin Crop Improvement Association or its legal agent.

**Deon** — Deon is a late season high yielding variety released by the Minnesota Agricultural Experiment Station in 2011. Deon is medium yellow in color with overall good agronomic traits including good test weight. Deon’s height and lodging score is similar to Rockford. Resistant to smut and moderately resistant to crown rust and BYDV. Deon is a U.S. Plant Protected Variety (PVPA 1994), Title V. A license is required for seed production.

**Esker** — Esker is a mid-season oat which has had consistently high grain yields. Heading date is about 1 day later than Dane. Plant height is about an inch shorter than Drumlin. Lodging is less than Vista, but more than Dane. BYDV tolerance is comparable to that of Ogle. Crown rust resistance is good. Released in 2004, Esker oats is exclusively licensed by Wisconsin Alumni Research Foundation to Wisconsin Crop Improvement. Esker is a U.S. Plant Protected Variety (PVPA 1994). Seed of Esker can legally be produced and labeled for sale only by growers who have been licensed by the Wisconsin Crop Improvement Association or its legal agent.

**Horsepower** — Horsepower is an early-medium season high yielding variety with good test weight released by the South Dakota Agricultural Experiment Station 2011. Horsepower is white-hulled with short plant height and strong straw strength. Moderate resistance to crown rust and BYDV and moderately susceptible to smut and stem rust. Horsepower is a U.S. Plant Protected Variety (PVPA 1994), Title V. A license is required for seed production.

**Ron** — Ron is a mid-late season variety released by the University of Wisconsin in 2014. Ron has a good test weight, similar to those of Esker. The heading date of Ron is about 1 day earlier than Drumlin and 3 days later than Esker. Ron has similar height to Drumlin and is slightly shorter than that of Badger. BYDV tolerance is comparable to that of Esker, Drumlin and Horsepower. Crown rust resistance is very good, comparable to Forage Plus. Ron is a U.S. Plant Protected Variety (PVPA 1994). Seed of Ron can legally be produced and labeled for sale only by growers who have been licensed by the Wisconsin Crop Improvement Association or its legal agent.

For variety descriptions not listed visit wcia.wisc.edu.
WISCONSIN OAT VARIETY YIELD DATA

ALL LOCATIONS - MEAN

EARLY            MIDSEASON          MID-LATE

- DANE BADGER SHELBY 427
- ESKER OGLE HORSE-POWER
- BETAGENE™ RON VISTA
- DRUMLIN DEON ROCKFORD

[Graph showing yield data for each variety across different locations and time periods.]

2016 NORTHERN LOCATIONS

EARLY            MIDSEASON          MID-LATE

- MARSHFIELD
- SPOONER
- STURGEON BAY

[Graph showing yield data for each variety across different locations and time periods.]

2016 SOUTHERN LOCATIONS

EARLY            MIDSEASON          MID-LATE

- ARLINGTON
- LANCASTER
- MADISON

[Graph showing yield data for each variety across different locations and time periods.]

1 All Locations mean includes Arlington, Lancaster, Madison, Marshfield, Spooner and Sturgeon Bay. Information for data/tables is from the University of Wisconsin 2016 trials and can be viewed at http://www.coolbean.info/small_grains/small_grains.php