A New Generation for Rye Production

Brasetto is Canada’s first hybrid fall rye and it’s certainly not your grandfather’s rye. This rye yields a whopping 124%* of the conventional checks and has exceptional lodging resistance. Taken together, it all contributes to improved grain uniformity; quality desired for milling, distilling, ethanol and feed.

Highlights

• Top-in-class yield; up to 124%* of the checks
• Very good lodging resistance
• Short stature, easy to harvest
• Uniform maturity and grain sample for consistent grain quality
• Much higher falling numbers than conventional rye for improved milling access

Source: 2017 Alberta Seed Guide

Insights

“Brasetto is a very high yielding, winter hardy fall rye that is widely adapted. Its high falling number will be of special interest in the food market.”

- Andres Gordillo, RT209 Request for Support, Prairie Recommending Committee for Wheat, Rye and Triticale

“Brasetto is a dense and compact hybrid. This makes Brasetto an ideal forage product. The high yields of Brasetto make it a superior yielding cereal silage.”

- Herman Wehrle, P.Ag, Director of Marketing & Market Development, FP Genetics Inc.
<table>
<thead>
<tr>
<th>Variety</th>
<th>Yield (kg/ha)</th>
<th>Yield (% of Hazlet)</th>
<th>Protein %</th>
<th>Maturity (days)</th>
<th>Test Weight (kg/hl)</th>
<th>TKW (g)</th>
<th>Height (cm)</th>
<th>Lodging (1)</th>
<th>Winter Survival</th>
<th>Ergot (%)</th>
<th>Falling Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prima</td>
<td>5,477</td>
<td>86%</td>
<td>10.9</td>
<td>219</td>
<td>73.3</td>
<td>33.5</td>
<td>121.2</td>
<td>3.4</td>
<td>80.3</td>
<td>1.7</td>
<td>212.1</td>
</tr>
<tr>
<td>AC Rifle</td>
<td>4,635</td>
<td>73%</td>
<td>11.2</td>
<td>219</td>
<td>71.6</td>
<td>27.7</td>
<td>89.3</td>
<td>1.6</td>
<td>76.6</td>
<td>1.9</td>
<td>203</td>
</tr>
<tr>
<td>Hazlet</td>
<td>6,341</td>
<td>100%</td>
<td>10.6</td>
<td>222</td>
<td>74.4</td>
<td>38.0</td>
<td>110.9</td>
<td>2.8</td>
<td>86</td>
<td>2.1</td>
<td>171.5</td>
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<tr>
<td>Brasetto</td>
<td>7,783</td>
<td>123%</td>
<td>9.5</td>
<td>221</td>
<td>73.1</td>
<td>34.5</td>
<td>100.1</td>
<td>2.4</td>
<td>87.7</td>
<td>2.2</td>
<td>252.6</td>
</tr>
</tbody>
</table>

Lodging: scale of 1 - 9; 1 is best

Source: Fall Rye Co-operative Registration Trial 2013-14 Report, Request for Support for Registration of RT209 (Brasetto)

**Adaptability**

Brasetto hybrid fall rye is well suited to the entire western prairies.
The Next Step in Hybrid Fall Rye

KWS Bono yields over 131%* of the checks and that’s without additional fertilizer. It also has the hybrid advantage for improved grain quality for milling, distilling, fuel and feed. KWS Bono is truly the next step to achieving the highest returns in rye for grain production.

Highlights

- Market-leading yields; up to 131%* of the checks
- Very good lodging resistance
- Short stature, easy to harvest
- Uniform maturity and grain sample for consistent grain quality
- Much higher falling numbers than conventional rye for improved milling access

*Source: 2017 Alberta Seed Guide

Insights

“Hybridization in rye is a major step forward in rye genetics in Western Canada. The yield potential from hybrid varieties like Bono appears to be very high given decent conditions. A major step in yield potential is what rye needs to be a competitive cereal.”

- Lee Moats PAg, Farmer, Riceton SK

“We are really happy with its winter hardiness and standability. The Bono was shorter than the Brasetto and was great to straight cut. The yield last year was 118 bushels per acre with good falling numbers. We are quite happy with the Bono in our rotation.”

- David Hamblin, Red River Seeds Ltd., Morris MB
KWS Bono - Hybrid Fall Rye

**Adaptability**

KWS Bono hybrid fall rye is well suited to the entire western prairies.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Yield (kg/ha)</th>
<th>Yield (% of Hazlet)</th>
<th>Protein (%)</th>
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<th>Test Weight (kg/hl)</th>
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<th>Height (cm)</th>
<th>Lodging (1)</th>
<th>Winter Survival</th>
<th>Ergot (%)</th>
<th>Falling Number</th>
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</thead>
<tbody>
<tr>
<td>Prima</td>
<td>4,902</td>
<td>81%</td>
<td>11.0</td>
<td>217</td>
<td>72.9</td>
<td>33.5</td>
<td>118.2</td>
<td>3.9</td>
<td>76.8</td>
<td>1.5</td>
<td>205.9</td>
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<tr>
<td>Hazlet</td>
<td>6,047</td>
<td>100%</td>
<td>10.4</td>
<td>219</td>
<td>73.9</td>
<td>37.6</td>
<td>107.6</td>
<td>3.0</td>
<td>87</td>
<td>1.9</td>
<td>151.8</td>
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<tr>
<td>Brasetto</td>
<td>7,343</td>
<td>121%</td>
<td>9.5</td>
<td>220</td>
<td>72.7</td>
<td>34.5</td>
<td>97.4</td>
<td>2.5</td>
<td>86.8</td>
<td>2.0</td>
<td>247.9</td>
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<tr>
<td>KWS Bono</td>
<td>7,919</td>
<td>131%</td>
<td>8.8</td>
<td>218</td>
<td>73.3</td>
<td>35.1</td>
<td>96.2</td>
<td>2.4</td>
<td>87.6</td>
<td>1.9</td>
<td>265.1</td>
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Lodging: scale of 1 - 9; 1 is best

Source: Fall Rye Co-operative Registration Trial 2014-15 Report, Request for Support for Registration of RT212 (KWS Bono)
The Ergot Fighter

KWS Gatano is a new high yielding hybrid fall rye with markedly improved ergot resistance. It yields 126%* of Hazlet and expresses 50% less ergot than other rye varieties and hybrids in registration trials. It is also known for its shorter hybrid structure making harvesting a breeze. Put this together and you have an outstanding product for the feed and food markets.

Highlights

• Market leading hybrid yields, 126%* of Hazlet
• Superior ergot resistance
  » 50% less ergot than competing rye products
  » Contains the KWS PollenPlus® gene
• Short hybrid straw
  » Easy to harvest
• Higher falling numbers than conventional rye which is preferred by millers

Source: Request for Support for Interim Registration of RT227 (KWS Gatano)

Insights

“We are very excited to bring KWS Gatano to the rye market. With its market leading ergot resistance, use in seed and food will just get easier.”

- Herman Wehrle, P.Ag, Marketing & Market Development Manager, FP Genetics Inc.

“KWS Gatano is #1 in ergot resistance. It has exceptional tiller capacity and works very well when planted early. Best results are expected when seeding as soon as average ground temperatures drop to 15°C and at slightly lower seeding rates of 0.6 to 0.8 units per acre. KWS Gatano also has the lowest score for rust and mildew of our KWS hybrids “

- Claus Nymand, Product Manager Hybrid Rye, USA and Canada, KWS
# KWS Gatano - Hybrid Fall Rye

## BRASETTO AGRONOMIC AND DISEASE DATA

<table>
<thead>
<tr>
<th>Variety</th>
<th>Yield</th>
<th>Yield (% of Hazlet)</th>
<th>Protein %</th>
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<th>Ergot (%)</th>
<th>Falling Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prima</td>
<td>5,265</td>
<td>84%</td>
<td>11.2</td>
<td>214</td>
<td>72.9</td>
<td>32.7</td>
<td>117.5</td>
<td>3.7</td>
<td>86</td>
<td>0.9</td>
<td>203</td>
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<tr>
<td>Hazlet</td>
<td>6,271</td>
<td>100%</td>
<td>10.5</td>
<td>216</td>
<td>73.8</td>
<td>37.3</td>
<td>109.0</td>
<td>3.3</td>
<td>95.6</td>
<td>1</td>
<td>159</td>
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<tr>
<td>Brasetto</td>
<td>7,904</td>
<td>126%</td>
<td>9.6</td>
<td>217</td>
<td>72.7</td>
<td>35.8</td>
<td>99.0</td>
<td>2.9</td>
<td>91.6</td>
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<tr>
<td>KWS Bono</td>
<td>7,908</td>
<td>126%</td>
<td>9.2</td>
<td>216</td>
<td>73.9</td>
<td>32.8</td>
<td>98.4</td>
<td>3.0</td>
<td>91.8</td>
<td>1.5</td>
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<tr>
<td>KWS Gatano</td>
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<td>9.0</td>
<td>216</td>
<td>73.6</td>
<td>31.7</td>
<td>98.7</td>
<td>3.4</td>
<td>90.5</td>
<td>0.6</td>
<td>248.6</td>
</tr>
</tbody>
</table>

Lodging: scale of 1 - 9; 1 is best  
Source: Fall Rye Co-operative Registration Trial 2015-16 Report, Request for Support for Registration of RT227 (KWS Gatano)

## Adaptability

KWS Gatano hybrid fall rye is well suited to the entire western prairies.