HarvXtra® Alfalfa with Roundup Ready® Technology is the Industry’s First Genetically Enhanced Alfalfa Technology Developed to Maximize Quality

- Latest advancement in disease resistance, which includes High Resistance to Aphanomyces Root Rot Race 1, 2 and 3*; and includes multi-race resistance to Anthracnose**
- HarvXtra® Alfalfa gives growers the ability to better manage the yield-versus-quality tradeoff. It offers more flexibility in cutting schedule to achieve improved forage quality or greater yield potential, when compared to conventional alfalfa at the same stage of maturity
- Expect fast recovery for frequent harvest schedules under intensive management

Potential Benefits of HarvXtra® Alfalfa with Roundup Ready® Technology

Forage quality advantage
- Maintain current harvest schedule
- Higher likelihood of harvesting premium quality hay

Delayed harvest
- Potential for fewer harvests
- Potential for higher forage yield
- Potential for improved persistence

Flexibility
- Increased harvest timing flexibility

Performance Profile

Yield Potential: Excellent
Forage Quality Potential: Excellent
Stand Persistence: Excellent
Recovery After Cutting: Fast

Resistance Ratings

Phytophthora Root Rot: HR
Aphanomyces Root Rot RACE 1: HR
RACE 2/3*: HR
Anthracnose RACE 1: HR
Anthracnose RACE 5**: R
Verticillium Wilt: HR
Bacterial Wilt: HR
Fusarium Wilt: HR
Pea Aphid: R
Stem Nematode: R

HR = >51% Resistance
R = 31-50% Resistance
MR = 15-30% Resistance
LR = 6-14% Resistance

**Anthracnose RACE 5 was recently confirmed by researchers at Forage Genetics International, LLC (FGI) and USDA’s Agricultural Research Service.

Potential Benefits of HarvXtra® Alfalfa with Roundup Ready® Technology

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>FORAGE YIELD (% COMMERCIAL CHECKS)</th>
<th>Forage Quality (% of Commercial Checks)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WEST SALEM, WI</td>
<td>Boone, IA</td>
</tr>
<tr>
<td></td>
<td>120%</td>
<td>108%</td>
</tr>
<tr>
<td>AS 481 HVXRR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PIONEER 54R02</td>
<td>100%</td>
<td>104%</td>
</tr>
<tr>
<td>HYBRIFORCE 3400</td>
<td>99%</td>
<td>100%</td>
</tr>
<tr>
<td>WL 272HLRR</td>
<td>103%</td>
<td>99%</td>
</tr>
<tr>
<td>ATTENTION II</td>
<td>95%</td>
<td>94%</td>
</tr>
<tr>
<td>2015 HarvXtra® Alfalfa Demo (WI, IA &amp; PA) - Aug 2016-17 data collected demo harvested at late bud stage, 28-32 day cutting schedule.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>