LOCAL EXPERTS

We understand your land!

At NorthStar Genetics, we take pride in focusing on specific geographies and finding the soybean varieties that suit your farm the best. We know the upper midwest and what soybean traits and characteristics will get our farmers the best performing varieties and highest yields.

Visit our website to see our trial data map and to find a dealer near you.

At NorthStar Genetics, we know beans.

www.northstargenetics.com
Dear Friends,

2016 marks the 20th Anniversary of NorthStar Genetics.

In 1996:
- The Dow hit 6448 at year end; today it’s 18,000+
- Gas was $1.22/gallon
- DVDs were launched in Japan
- Ebay was started
- Interest rates, year-end Federal Reserve: 8.25%
- Bill Clinton defeats Bob Dole
- Prince Charles and Princess Diana were divorced

Seems like yesterday?

NorthStar received its Roundup Ready® license in October 1996. There were very few early varieties available and we tried them all. By 1997, we found a 03 (some may remember as NS 0314R) and it found a home. I’ll never forget ordering seedstock, South American seedstock, at $80/unit. Fortunately for all, it was a great variety, and true to its maturity.

We also began replicated trials throughout our marketing area. By testing hundreds of varieties, we were able to localize them to their best advantage, grow them in that area, and had great confidence they would perform. And they did.

Today, we produce well over 1,000,000 units of soybeans throughout the Upper Midwest and Western Canada. Our retail sales are strong, and the company is continuing to grow and expand.

How did all this happen? A dedicated group of dealer seeds men and a growing family of great employees nurtured the business to where it is today. To all who purchased, grew, and continue to grow with us…THANK YOU. Without you, it would not have happened.

Best of luck in 2016!

Dan Hogstad, CEO, NorthStar Genetics
NS 0057R2
RM - 00.5
- Great yielder for early maturity
- Very good IDC tolerance
- Pods well on lateral branches

NS 0060NR2
RM - 00.6
- Med-tall and attractive with extensive branching
- Very good emergence, IDC, and PRR scores
- Excellent yields in an early cyst resistant variety

NS 0080R2
RM - 00.6
- Very good plant height with exceptional branching
- Proven yield across diverse geography
- Very strong yield for maturity
**NS 0081NR2**  
**RM - 00.8**

- High yield performance across our northern ND & MN early market area
- Combination of Rps3a and 1c tolerance in one product
- Med-tall, medium canopy product

**NS 0088R2**  
**RM - 00.8**

- Proven top IDC tolerance, consistent in 2013/2014 NDSU testing
- Exhibits very good Phytophthora field tolerance
- Performs well in the Valley and moves west well
- Carries cyst resistance genes

**NS 0090R2**  
**RM - 00.9**

- Highest rated soybean for IDC tolerance in 2014 NDSU testing
- Yield dominator across early maturity area
- Maintains high yield potential north or south of maturity zone
- Will branch extensively in wider row situations
**NS 0096R2**
**RM - 00.9**
- Proven performance with great customer satisfaction
- Plant type works in all row widths
- Adapted well in the Valley and east or west in maturity zone

**NS 0111R2**
**RM - 0.1**
- Broadly adapted early group zero variety
- Yield performance in testing well above trendline for maturity
- High yield potential outshines average defensive package

**NS 0200NR2**
**RM - 0.2**
- 0.2 maturity with excellent cyst protection
- Very good IDC and Phytophthora scores
- Outstanding performer compared to competition
**NS 0318R2**  
**RM - 0.3**
- Above average IDC scores
- Rps3a gene with very high Phytophthora field tolerance
- Great yield potential in early group zero maturity

**NS 0480NR2**  
**RM - 0.4**
- Yield dominator in mid-zero maturity
- Excellent emergence to perform well in tough conditions
- Strong IDC tolerance with very good SCN resistance

**NS 0537R2**  
**RM - 0.5**
- Continues to prove its excellent IDC score
- Performs well across all of mid-zero maturity area
- Med-bush plant type with excellent yield
# Genuity® Roundup Ready 2 Yield® Soybeans

## NS 0651NR2
### RM - 0.6
- Broadly adapted to our mid-zero maturity market
- Very good IDC and PRR tolerances
- Excellent performer in offensive or defensive situations

<table>
<thead>
<tr>
<th>Trait</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergence</td>
<td>9</td>
</tr>
<tr>
<td>Standability</td>
<td>8</td>
</tr>
<tr>
<td>BSR Rating</td>
<td>N/R</td>
</tr>
<tr>
<td>White Mold</td>
<td>7</td>
</tr>
<tr>
<td>IDC Rating</td>
<td>6</td>
</tr>
</tbody>
</table>

## NS 0839NR2
### RM - 0.8
- SCN choice in late zero maturity with terrific yields
- Good performer in IDC problem fields
- Strong emergence in a medium height, med-bush plant type

<table>
<thead>
<tr>
<th>Trait</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergence</td>
<td>9</td>
</tr>
<tr>
<td>Standability</td>
<td>8</td>
</tr>
<tr>
<td>BSR Rating</td>
<td>7</td>
</tr>
<tr>
<td>White Mold</td>
<td>N/R</td>
</tr>
<tr>
<td>IDC Rating</td>
<td>6</td>
</tr>
</tbody>
</table>

## NS 0949R2
### RM - 0.9
- Tall, med-bush plant type with excellent standability
- Rps3a gene with high field tolerance to Phytophthora
- Very strong IDC score with top end yield

<table>
<thead>
<tr>
<th>Trait</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergence</td>
<td>9</td>
</tr>
<tr>
<td>Standability</td>
<td>8</td>
</tr>
<tr>
<td>BSR Rating</td>
<td>7</td>
</tr>
<tr>
<td>White Mold</td>
<td>8</td>
</tr>
<tr>
<td>IDC Rating</td>
<td>6</td>
</tr>
</tbody>
</table>
**NS 0941NR2**

**RM - 0.9**

- Uniquely adapted to western MN stretching into North and South Dakota
- Med-tall, med-bush plant type
- Yield performance to make great companion to NS 0839NR2
- Strong defensive package

**NS 1040NR2**

**RM - 1.1**

- This variety packs high yield into a strong defensive package
- Contains the Rag1 gene for soybean aphid tolerance
- Exhibits strong IDC and BSR scores with excellent stress tolerance

**NS 1388NR2**

**RM - 1.3**

- SCN, IDC, SWM plus yield all in one package
- Adapts to a wide range of soils and geography beyond its maturity zone
- Outstanding performance when compared to 1.0-1.6 maturity competitors

---

**northstargenetics.com**
NS 1390NR2
RM - 1.3
- Brown stem rot resistance in an SCN resistant variety
- High yielder in this maturity with good IDC score
- Attractive med-tall, med-bush plant
- Exciting performance in 2014
- Strong SDS tolerance

NS 1441NR2
RM - 1.4
- Strong disease package with top end yield
- Very good standability and shatter tolerance
- Attractive blond color at harvest time

NS 1528NR2
RM - 1.5
- High performing option and widely adopted
- White mold, BSR, IDC, and SDS tolerance in one variety
- Excellent choice for consistency
NS 1661NR2  
**RM - 1.6**

- Moderate branching on this med-tall plant creates an attractive high yield product
- Very good PRR field tolerance
- Strong on your best soil as well as in marginal areas
- Solid companion to NS 1528NR2 with more marginal area adaptation

**NS 1701NR2  
**RM - 1.7**

- Very strong IDC tolerance
- Medium height, med-bush plant type
- High yields in a superior defensive soybean

**NS 1726NR2  
**RM - 1.7**

- Excellent standability and highly resistant to white mold
- Strong IDC package matched with cyst protection
- High PRR field tolerance to maximize stand and yield

[NorthStarGenetics.com](northstargenetics.com)
NS 1800NR2
RM - 1.8

- Holds plant health late into season then drops leaves quickly
- Average height plant loaded with branches of pods
- Very good defensive package, works in any row width

Emergence
Standability
BSR Rating: N/R
White Mold
IDC Rating

NS 1911NR2
RM - 1.9

- Outstanding yield for maturity
- Well above trial mean in MN and SD testing in 2013 and 2014
- Very good PRR score with greenhouse testing confirmation
- Performs on a wide variety of soils

Emergence
Standability
BSR Rating
White Mold
IDC Rating

NS 1916NR2
RM - 1.9

- Solid PRR tolerance with the Rps1c gene
- Med-tall bushy plant with above average IDC score
- Outstanding BSR, SWM, and SCN ratings

Emergence
Standability
BSR Rating
White Mold
IDC Rating
**NS 2031NR2**

**RM - 2.0**

- Very versatile soybean
- Works in a wide range of soil types
- Strong defensive package combined with great yield
- Exhibits high levels of SDS tolerance, showed very strong in 2014

**NS 2050NR2**

**RM - 2.0**

- Versatility to match most any condition
- Outstanding yield for maturity in research trials
- Strong emergence and stress tolerance with a solid disease package

**NS 2111NR2**

**RM - 2.1**

- Consistent, high yield performance in 2013 and 2014 replicated trials
- Very solid disease tolerance package
- Lots of branches on this medium height variety
NS 2281NR2  RM - 2.2

- Excellent yield performance in our marketing area
- Tons of lateral branches with high pod counts
- Top performer in 2013 and 2014 testing
- Excellent replacement for NS 2199NR2 with improved PRR tolerance for southern MN clay soils

**Standability**

<table>
<thead>
<tr>
<th></th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
</table>

**BSR Rating**

**White Mold**

**IDC Rating**

**DEMAND MORE YIELD.**

HOLD YOUR BEANS TO A HIGHER STANDARD WITH GENIITY® ROUNDUP READY 2 YIELD®.

More beans per pod and more bushels per acre compared to original Roundup Ready®.

Ask your seed rep why you should demand more.

Go to genuity.com for more information.

Individual results may vary. Always read and follow grain marketing and all other stewardship practices and pesticide label directions. Details of these practices can be found in the Trait Stewardship Responsibilities Notice to Farmers printed in this publication.

**Genuity® Roundup Ready 2 Yield® Soybeans**
SOYBEAN ADVOCATES

We are the soybean’s biggest fans!

At NorthStar Genetics, we take pride in expanding the territory of soybean acres across North America and work hard at providing the best varieties for our specific growing areas. With our vast network of seed growers, we have tested our varieties in your area and we know we have the right bean for your farm.

Visit our website to see our trial data map and to find a dealer near you.

At NorthStar Genetics, we know beans.

www.northstargenetics.com
## Soybean Characteristics

<table>
<thead>
<tr>
<th>Brand</th>
<th>Maturity</th>
<th>Emergence</th>
<th>Height</th>
<th>Type</th>
<th>Standability</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEW</td>
<td>NS 0057R2</td>
<td>0.5</td>
<td>8</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 0060NR2</td>
<td>0.6</td>
<td>8</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 0080R2</td>
<td>0.6</td>
<td>9</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 0081NR2</td>
<td>0.8</td>
<td>9</td>
<td>Thin-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 0088R2</td>
<td>0.8</td>
<td>8</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 0090R2</td>
<td>0.9</td>
<td>9</td>
<td>Med-Bush</td>
<td>9</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 0096R2</td>
<td>0.9</td>
<td>9</td>
<td>Med-Bush</td>
<td>7</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 0111R2</td>
<td>0.1</td>
<td>8</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 0200NR2</td>
<td>0.2</td>
<td>8</td>
<td>Tall</td>
<td>8</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 0318R2</td>
<td>0.3</td>
<td>9</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 0480NR2</td>
<td>0.4</td>
<td>10</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 0537R2</td>
<td>0.5</td>
<td>8</td>
<td>Med-Bush</td>
<td>7</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 0651NR2</td>
<td>0.6</td>
<td>8.5</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 0839NR2</td>
<td>0.8</td>
<td>8</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 0949R2</td>
<td>0.9</td>
<td>9</td>
<td>Tall</td>
<td>9</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 0941NR2</td>
<td>0.9</td>
<td>8.5</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 1040NR2</td>
<td>1.1</td>
<td>9</td>
<td>Med-Bush</td>
<td>9</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 1388NR2</td>
<td>1.3</td>
<td>9</td>
<td>Med-Bush</td>
<td>7</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 1390NR2</td>
<td>1.3</td>
<td>8</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 1441NR2</td>
<td>1.4</td>
<td>8</td>
<td>Med-Bush</td>
<td>9</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 1528NR2</td>
<td>1.5</td>
<td>9</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 1661NR2</td>
<td>1.6</td>
<td>8</td>
<td>Med-Bush</td>
<td>7.5</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 1701NR2</td>
<td>1.7</td>
<td>8</td>
<td>Med-Bush</td>
<td>7</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 1726NR2</td>
<td>1.7</td>
<td>8</td>
<td>Med-Bush</td>
<td>9</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 1800NR2</td>
<td>1.8</td>
<td>8</td>
<td>Bush</td>
<td>9</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 1911NR2</td>
<td>1.9</td>
<td>9</td>
<td>Med-Bush</td>
<td>9</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 1916NR2</td>
<td>1.9</td>
<td>9</td>
<td>Med-Bush</td>
<td>7</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 2031NR2</td>
<td>2.0</td>
<td>9</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 2050NR2</td>
<td>2.0</td>
<td>9</td>
<td>Med-Bush</td>
<td>9</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 2111NR2</td>
<td>2.1</td>
<td>9</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NEW</td>
<td>NS 2281NR2</td>
<td>2.2</td>
<td>9</td>
<td>Med-Bush</td>
<td>7.5</td>
</tr>
</tbody>
</table>

**Rating Key for Soybean Characteristics**

- **10** = Excellent; **1** = Poor.
- **Height**: **Med** = Medium; **Med-Tall** = Medium to Tall; **Tall** = Tall.
- **Standability**: **10** = Standing Perfectly; **1** = Completely Flat.
- **Brown Stem Rot**: **10** = Resistant; **1** = Susceptible.
- **White Mold**: **10** = Unaffected; **1** = Decimated.
### Soybean Characteristics

<table>
<thead>
<tr>
<th>Brown Stem Rot Rating</th>
<th>White Mold</th>
<th>Cyst Nematode</th>
<th>Iron Chlorosis</th>
<th>Phytophthora</th>
<th>Brand</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 N/R</td>
<td>8</td>
<td>S</td>
<td>8</td>
<td>Rps1c/7</td>
<td>NS 0057R2</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>R3, MR14</td>
<td>8</td>
<td>Rps1c/8</td>
<td>NS 0060NR2</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
<td>S</td>
<td>8</td>
<td>Rps1c/8</td>
<td>NS 0080R2</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>R3, MR14</td>
<td>8.5</td>
<td>Rps3a + 1c/9</td>
<td>NS 0081NR2</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>R3, MR14</td>
<td>9</td>
<td>Rps1c/8</td>
<td>NS 0088R2</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>S</td>
<td>9</td>
<td>Rps1k/8</td>
<td>NS 0090R2</td>
</tr>
<tr>
<td>9</td>
<td>7</td>
<td>S</td>
<td>8</td>
<td>Rps1c/7</td>
<td>NS 0096R2</td>
</tr>
<tr>
<td>8</td>
<td>7</td>
<td>S</td>
<td>8.5</td>
<td>Rps1c/7.5</td>
<td>NS 0111R2</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>R3, MR14</td>
<td>9</td>
<td>Rps1c/7</td>
<td>NS 0200NR2</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>S</td>
<td>8</td>
<td>Rps3a/9</td>
<td>NS 0318R2</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>R3, MR14</td>
<td>8</td>
<td>Rps3a/9</td>
<td>NS 0480NR2</td>
</tr>
<tr>
<td>8</td>
<td>6</td>
<td>S</td>
<td>9</td>
<td>NG/6</td>
<td>NS 0537R2</td>
</tr>
<tr>
<td>7 N/R</td>
<td>7</td>
<td>R3, MR14</td>
<td>9</td>
<td>Rps3a/8</td>
<td>NS 0651NR2</td>
</tr>
<tr>
<td>7</td>
<td>N/R</td>
<td>R3, MR14</td>
<td>8</td>
<td>Rps1c/7</td>
<td>NS 0839NR2</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>S</td>
<td>8</td>
<td>Rps3a/9</td>
<td>NS 0941R2</td>
</tr>
<tr>
<td>7</td>
<td>7.5</td>
<td>R3, MR14</td>
<td>7.5</td>
<td>Rps1c/8</td>
<td>NS 1040NR2</td>
</tr>
<tr>
<td>9</td>
<td>7</td>
<td>R3, MR14</td>
<td>9</td>
<td>Rps1c/7</td>
<td>NS 1388NR2</td>
</tr>
<tr>
<td>7</td>
<td>9</td>
<td>R3, MR14</td>
<td>8</td>
<td>Rps1c/8</td>
<td>NS 1390NR2</td>
</tr>
<tr>
<td>10</td>
<td>8</td>
<td>R3, MR14</td>
<td>8</td>
<td>Rps1k/8</td>
<td>NS 1441NR2</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>R3, MR14</td>
<td>7.5</td>
<td>Rps1k/8</td>
<td>NS 1528NR2</td>
</tr>
<tr>
<td>9</td>
<td>7</td>
<td>R3, MR14</td>
<td>7</td>
<td>Rps1c/7</td>
<td>NS 1661NR2</td>
</tr>
<tr>
<td>7.5</td>
<td>7</td>
<td>R3, MR14</td>
<td>7.5</td>
<td>Rps1c/8</td>
<td>NS 1701NR2</td>
</tr>
<tr>
<td>8</td>
<td>7</td>
<td>MR3, MR14</td>
<td>9</td>
<td>NG/8</td>
<td>NS 1726NR2</td>
</tr>
<tr>
<td>6</td>
<td>9</td>
<td>R3</td>
<td>8</td>
<td>Rps1c/7</td>
<td>NS 1800NR2</td>
</tr>
<tr>
<td>7 N/R</td>
<td>7</td>
<td>R3, MR14</td>
<td>7</td>
<td>Rps1k/8</td>
<td>NS 1911NR2</td>
</tr>
<tr>
<td>8</td>
<td>7</td>
<td>R3, MR14</td>
<td>7</td>
<td>Rps1c/8</td>
<td>NS 1916NR2</td>
</tr>
<tr>
<td>8</td>
<td>7</td>
<td>R3, MR14</td>
<td>7</td>
<td>Rps1c/8</td>
<td>NS 2031NR2</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
<td>R3, MR14</td>
<td>8</td>
<td>Rps1c/8</td>
<td>NS 2050NR2</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>R3, MR14</td>
<td>7</td>
<td>Rps1c/8</td>
<td>NS 2111NR2</td>
</tr>
<tr>
<td>8</td>
<td>7</td>
<td>R3, MR14</td>
<td>7</td>
<td>Rps1c/8</td>
<td>NS 2281NR2</td>
</tr>
</tbody>
</table>

**Cyst Nematode:** S = Susceptible; R = Resistant to; MR = Moderate Resistance.  
**Iron Chlorosis:** 10 = Unaffected; 1 = Decimated.  
**Phytophthora Field Tolerance:** (Gene/Resistance) 10 = Best; NG = No Specific Gene.
NS 0095LL
RM - 00.9
- Ultra early LibertyLink offering
- High yield with terrific defensive package
- Excellent emergence and standability

NS 0129LL
RM - 0.1
- Widely adapted in the northern market area
- Good IDC score with high yield for maturity
- Rps1k gene with excellent field tolerance

NS 0361LL
RM - 0.3
- Quick emerging
- Consistent high yield performance
- Defensive package to work well both in and out of the Valley
NS 0567NLL
RM - 0.5
- Our earliest offer with SCN resistance
- Proven yielder over the past 4 seasons
- Strong IDC, SCN, and SWM scores make a great defensive package

NS 0571NLL
RM - 0.5
- Excellent multi-year trial results
- Strong performance over wide area where maturity fits
- Above average defensive package

NS 0801NLL
RM - 0.7
- Above average defensive package
- Bushy plant type
- Widely adapted to most soil types
### NS 1128NLL
**RM - 1.1**
- Continues to show strong yields moving north of maturity zone
- Moderate SCN resistance with a good IDC score
- Consistent performer in many environments

<table>
<thead>
<tr>
<th>Trait</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergence</td>
<td>9</td>
</tr>
<tr>
<td>Standability</td>
<td>8</td>
</tr>
<tr>
<td>BSR Rating</td>
<td>7</td>
</tr>
<tr>
<td>White Mold</td>
<td>8</td>
</tr>
<tr>
<td>IDC Rating</td>
<td>9</td>
</tr>
</tbody>
</table>

### NS 1291NLL
**RM - 1.2**
- Excellent early vigor
- Med-tall, bushy plant type
- Very strong yield performance

<table>
<thead>
<tr>
<th>Trait</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergence</td>
<td>10</td>
</tr>
<tr>
<td>Standability</td>
<td>9</td>
</tr>
<tr>
<td>BSR Rating</td>
<td>6</td>
</tr>
<tr>
<td>White Mold</td>
<td>7</td>
</tr>
<tr>
<td>IDC Rating</td>
<td>8</td>
</tr>
</tbody>
</table>

### NS 1300NLL
**RM - 1.3**
- Sets a new standard for LL yields in this maturity
- High Phytophthora root rot field tolerance
- Yield results from replicated trials are 110% of current LL varieties
- Outstanding emergence with great disease tolerance

<table>
<thead>
<tr>
<th>Trait</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergence</td>
<td>10</td>
</tr>
<tr>
<td>Standability</td>
<td>9</td>
</tr>
<tr>
<td>BSR Rating</td>
<td>8</td>
</tr>
<tr>
<td>White Mold</td>
<td>7</td>
</tr>
<tr>
<td>IDC Rating</td>
<td>9</td>
</tr>
</tbody>
</table>
**NS 1550NLL**

**RM - 1.5**

- Consistent high yields in replicated testing in MN & SD
- SCN protection with great IDC and SWM scores
- Excellent choice in this maturity

**NS 2030NLL**

**RM - 2.0**

- Consistent yield performance across environments
- Medium height and canopy provide an attractive compact appearance
- Well-rounded defensive package

**NS 2041NLL**

**RM - 2.0**

- Strong emergence with excellent standability
- Good overall defensive package, particularly strong on BSR and SWM
- High yield performance from central MN stretching west into South Dakota

northstargenetics.com
## LibertyLink® Soybeans

The LibertyLink® trait with Liberty® herbicide provides excellent weed control and preserves the yield potential of high-performing varieties. Soybeans with the LibertyLink trait allow growers to spray Liberty in-crop for nonselective postemergence control of even the toughest weeds, including Palmer amaranth, giant ragweed, waterhemp and marestail. Liberty works fast, controlling weeds within days versus weeks, before they jeopardize yield potential. Liberty is a group 10 herbicide mode of action.*

*Herbicide mode of action groups designated by the Weed Science Society of America.

### LibertyLink® Patent Statement

Soybean seeds containing LibertyLink® are protected under multiple U.S. patents and may be planted only to produce one (1) commercial crop, and only after signing a Bayer Grower Technology Agreement. It is illegal to save or catch soybean seeds containing the LibertyLink trait for use as planting seed or for transfer to others for use as planting seed.

### Trademark Statement

Bayer CropScience LP, 2 T.W. Alexander Drive, Research Triangle Park, NC 27709. Always read and follow label instructions. Bayer (reg'd), the Bayer Cross (reg'd), InVigor®, Liberty®, LibertyLink® and the Water Droplet Design (reg'd) are trademarks of Bayer. Liberty is not registered in all states. For additional product information call toll-free 1-866-99-BAYER (1-866-992-2937) or visit our website at www.BayerCropScience.us.

### Rating Key for Soybean Characteristics

10 = Excellent; 1 = Poor. **Height:** Med = Medium; Med-Tall = Medium to Tall; Tall = Tall. **Standability:** 10 = Standing Perfectly; 1 = Completely Flat. **Brown Stem Rot:** 10 = Resistant; 1 = Susceptible. **White Mold:** 10 = Unaffected; 1 = Decimated. **Cyst Nematode:** S = Susceptible; R = Resistant to; MR = Moderate Resistance. **Iron Chlorosis:** 10 = Unaffected; 1 = Decimated. **Phytophthora Field Tolerance:** (Gene/Resistance) 10 = Best; NG = No Specific Gene.

<table>
<thead>
<tr>
<th>Brand</th>
<th>Maturity</th>
<th>Emergence</th>
<th>Height</th>
<th>Type</th>
<th>Standability</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS 0095LL</td>
<td>00.9</td>
<td>9</td>
<td>Med-Tall</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NS 0129LL</td>
<td>0.1</td>
<td>9</td>
<td>Med-Tall</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NS 0361LL</td>
<td>0.3</td>
<td>9</td>
<td>Med-Tall</td>
<td>Med-Bush</td>
<td>7</td>
</tr>
<tr>
<td>NS 0567PLL</td>
<td>0.5</td>
<td>10</td>
<td>Med-Tall</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NS 0571PLL</td>
<td>0.5</td>
<td>10</td>
<td>Med-Tall</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NS 0801PLL</td>
<td>0.7</td>
<td>10</td>
<td>Med-Tall</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NS 1128PLL</td>
<td>1.1</td>
<td>10</td>
<td>Med-Tall</td>
<td>Med-Bush</td>
<td>9</td>
</tr>
<tr>
<td>NS 1291PLL</td>
<td>1.2</td>
<td>10</td>
<td>Med-Tall</td>
<td>Med-Bush</td>
<td>9</td>
</tr>
<tr>
<td>NS 1300PLL</td>
<td>1.3</td>
<td>10</td>
<td>Med</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NS 1550PLL</td>
<td>1.5</td>
<td>10</td>
<td>Med-Tall</td>
<td>Med-Bush</td>
<td>9</td>
</tr>
<tr>
<td>NS 2030PLL</td>
<td>2.0</td>
<td>10</td>
<td>Med</td>
<td>Med-Bush</td>
<td>8</td>
</tr>
<tr>
<td>NS 2041PLL</td>
<td>2.0</td>
<td>10</td>
<td>Med-Tall</td>
<td>Med-Bush</td>
<td>9</td>
</tr>
</tbody>
</table>
**REAL YIELDS WITH NORTHSTAR GENETICS LIBERTYLINK® VARIETIES**

In the real world, weeds interfere with high yields, but NorthStar Genetics has you covered. High-performing LibertyLink® soybean genetics, coupled with Liberty™'s excellent performance on tough-to-control weeds, ensure real yields that deliver.

- **High-performing Genetics**
  For 3 years running, 3 out of 4 growers across the U.S. reported that LibertyLink soybeans yielded as much as or better than on-farm averages.*

- **Excellent Weed Control**
  Liberty herbicide controls tough-to-control weeds through a different chemistry and unique mode of action to help prevent misses in the field.

- **Real Yield**
  With the LibertyLink system, weeds are better controlled to reduce their drain on yield.

<table>
<thead>
<tr>
<th>White Mold</th>
<th>Cyst Nematode</th>
<th>Iron Chlorosis</th>
<th>Phytophthora</th>
<th>Brand</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Rps1k/8</td>
<td></td>
<td></td>
<td>NS 009LL</td>
</tr>
<tr>
<td>7</td>
<td>Rps1k/8</td>
<td></td>
<td></td>
<td>NS 0129LL</td>
</tr>
<tr>
<td>8</td>
<td>Rps1k/8</td>
<td></td>
<td></td>
<td>NS 0361LL</td>
</tr>
<tr>
<td>7</td>
<td>Rps1k/8</td>
<td></td>
<td></td>
<td>NS 0567NLL</td>
</tr>
<tr>
<td>7</td>
<td>Rps1k/8</td>
<td></td>
<td></td>
<td>NS 0571NLL</td>
</tr>
<tr>
<td>7</td>
<td>Rps1k/8</td>
<td></td>
<td></td>
<td>NS 0801NLL</td>
</tr>
<tr>
<td>7</td>
<td>Rps1k/8</td>
<td></td>
<td></td>
<td>NS 1128NLL</td>
</tr>
<tr>
<td>7</td>
<td>Rps1k/8</td>
<td></td>
<td></td>
<td>NS 1291NLL</td>
</tr>
<tr>
<td>7</td>
<td>Rps1k/8</td>
<td></td>
<td></td>
<td>NS 1300NLL</td>
</tr>
<tr>
<td>7</td>
<td>Rps1k/8</td>
<td></td>
<td></td>
<td>NS 1550NLL</td>
</tr>
<tr>
<td>7</td>
<td>Rps1k/8</td>
<td></td>
<td></td>
<td>NS 2030NLL</td>
</tr>
<tr>
<td>7</td>
<td>Rps1k/8</td>
<td></td>
<td></td>
<td>NS 2041NLL</td>
</tr>
</tbody>
</table>

*LibertyLink® Soybeans - Beck Ag, Bayer CropScience Observation Ambassador Summary 2011, 2012 and 2013. 842 users of LibertyLink surveyed. 513 growers surveyed planted both LibertyLink and Roundup Ready® soybeans.
It could come right over you. But what if it doesn’t?

You can’t control the rain. What you can do is select a corn hybrid that covers all the bases, no matter what mother nature throws at you. When it rains, Artesian® corn hybrids can help maximize your yield. When it doesn’t, Artesian helps you grow more corn by converting available water to grain more effectively than other hybrids. Take the unpredictability of weather out of your fields this season.

Talk to your local Agrisure® traits representative about Artesian corn hybrids today. AgrisureArtesian.com
### Agrisure® Corn Traits

<table>
<thead>
<tr>
<th>Trait</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GT</strong></td>
<td>Hybrids with the Agrisure® GT trait provide excellent tolerance to in-crop applications of glyphosate-based hybrids.</td>
</tr>
<tr>
<td><strong>GTA</strong></td>
<td>The Agrisure Artesian® GTA trait stack brings together the elite class of high-performing Artesian™ hybrids, which convert water to grain more effectively than other hybrids, with the Agrisure® GT trait—resulting in season-long water optimization, plus excellent tolerance to in-crop applications of glyphosate-based herbicides.</td>
</tr>
<tr>
<td><strong>GT/CB/LL</strong></td>
<td>The Agrisure® GT/CB/LL trait stack provides season-long control of European and southwestern corn borer, with its added BT trait, as well as herbicide flexibility with both glyphosate and glufosinate tolerance. GT/CB/LL also controls or suppresses southern cornstalk borer, corn earworm, fall armyworm, sugarcane borer, and common stalk borer.</td>
</tr>
<tr>
<td><strong>3010A</strong></td>
<td>The Agrisure Artesian® 3010A trait stack brings together the elite class of high-performing Artesian™ hybrids, which convert water to grain more effectively than other hybrids, and the Agrisure® GT/CB/LL trait stack, which offers herbicide flexibility with both glyphosate and glufosinate tolerance, as well as protection from corn borer.</td>
</tr>
<tr>
<td><strong>3000GT</strong></td>
<td>Agrisure® 3000GT hybrids offer control of corn borer and corn rootworm with tolerance to both glyphosate and glufosinate herbicides. 3000GT hybrids also control or suppress corn earworm, and fall armyworm.</td>
</tr>
<tr>
<td><strong>3011A</strong></td>
<td>The Agrisure Artesian® 3011A trait stack brings together the elite class of high-performing Artesian™ hybrids, which maximize yield when it rains and increase yield when it doesn’t, and the Agrisure® 3000GT trait stack, which offers herbicide flexibility with both glyphosate and glufosinate tolerance, as well as protection from corn borer and corn rootworm.</td>
</tr>
<tr>
<td><strong>3111V</strong></td>
<td>A combination of the Agrisure Viptera® trait and the Agrisure® 3000GT triple stack, the Agrisure Viptera 3111 trait stack controls above- and below-ground insects for increased yield potential, higher quality grain, and glyphosate or glufosinate herbicide flexibility.</td>
</tr>
<tr>
<td><strong>3220 E-Z Refuge®</strong></td>
<td>The Agrisure Viptera® 3220 E-Z Refuge® trait stack offers corn growers dual modes of action against ear-feeding insects, including corn borer, with a 5 percent, single-bag refuge. It is ideal for areas where rootworm management is not a key focus.</td>
</tr>
</tbody>
</table>
NS77-311 GT/CB/LL
RM - 77 Days
Early, fast drydown, strong stalks and roots
- Well-adapted up the Canadian border
- Dual-purpose hybrid with good stay green
- Very good root strength
- Glyphosate and Liberty tolerant
- Requires 20% refuge

Early Vigor 7
Drydown 9
Stalk Rating 9
Root Rating 9
Corn on Corn 8

NS82-182 GT
RM - 82 Days
Outstanding yield potential
- Very good fall stalk strength
- Good grain quality
- Best performance on medium to heavy soils
- Responds well to good fertility management
- Husks open nicely at maturity for very good drydown

Early Vigor 8
Drydown 8
Stalk Rating 9
Root Rating 9
Corn on Corn 8

NS84-171 GT
RM - 84 Days
Proven yielder
- Very good fall stalk strength
- Above average drydown rating
- Med-tall plant with good emergence
- Best performance at medium to high populations
- Better performance on well drained soils

Early Vigor 7
Drydown 8
Stalk Rating 8
Root Rating 8
Corn on Corn 7
**NS87-104 3111V**  
**RM - 87 Days**

**Excellent emergence with high yields**
- Proven high yields under good fertility management
- Outstanding emergence and early-season vigor
- Flowers early for excellent northerly movement
- Agrisure Viptera provides full season control of corn rootworm, corn borer, and 12 other insects
- Glyphosate and Liberty tolerant

<table>
<thead>
<tr>
<th></th>
<th>Early Vigor</th>
<th>Drydown</th>
<th>Stalk Rating</th>
<th>Root Rating</th>
<th>Corn on Corn</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Corn on Corn</strong></td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
</tr>
</tbody>
</table>

**NS89-304 3010A**  
**RM - 89 Days**

**Maximize drought tolerance with Artesian™**
- Maximizes yield under ideal conditions
- Up to 15% higher yield in moisture-stressed environments
- Med-tall hybrid with strong stalks
- Excellent emergence
- Glyphosate and Liberty tolerant

<table>
<thead>
<tr>
<th></th>
<th>Early Vigor</th>
<th>Drydown</th>
<th>Stalk Rating</th>
<th>Root Rating</th>
<th>Corn on Corn</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Corn on Corn</strong></td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
</tr>
</tbody>
</table>
**NS90-101 GT/CB/LL**

**RM - 90 Days**

Dominant yield in this maturity
- High yield leader since introduction
- Good stalk strength and fast drydown
- Tall, attractive, erect leaf style hybrid
- Best performance on productive, well-drained soils
- Avoid droughty soils and corn-on-corn environments

<table>
<thead>
<tr>
<th>Early Vigor</th>
<th>Drydown</th>
<th>Stalk Rating</th>
<th>Root Rating</th>
<th>Corn on Corn</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NS90-305 3220**

RM - 90 Days

High yields with complete above ground insect protection
- Contains BT, HX1, and Viptera traits to protect against a wide range of above ground insects
- Base genetics the same as NS90-101
- Tall, showy hybrid with erect leaf characteristic
- Performs best on productive, well-drained soils
- Avoid droughty soils and corn-on-corn environments

<table>
<thead>
<tr>
<th>Early Vigor</th>
<th>Drydown</th>
<th>Stalk Rating</th>
<th>Root Rating</th>
<th>Corn on Corn</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NS99-322 GTA**

RM - 99 Days

Artesian™ drought tolerance protection
- Artesian drought tolerance maximizes yield when it doesn’t rain on time
- Consistent high yield and solid agronomics
- Widely adapted across central MN west through SD
- Avoid moving south as an early hybrid
- Semi-flex ear

<table>
<thead>
<tr>
<th>Early Vigor</th>
<th>Drydown</th>
<th>Stalk Rating</th>
<th>Root Rating</th>
<th>Corn on Corn</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
NS99-344 3011A
RM - 99 Days
Great insect control package with Artesian™ drought tolerance
• Consistent high yields and solid agronomics
• Widely adapted across MN and SD
• Semi-flex ear
• Early flowering with excellent drydown
• Great choice to manage stress areas

NS102-304 3011A
RM - 102 Days
Exceptional yield plus Artesian™ drought tolerance
• Med-tall plant with excellent dual-purpose capability
• Strong stalks and roots
• Above average Goss’s wilt tolerance
• Keep in zone or south for best performance
• Performs well across all soil types

NS104-394 3000GT
RM - 104 Days
Tall, robust, dual-purpose hybrid
• Proven yield performance across environments over multiple years
• Excellent choice for grain or silage
• Very good emergence and early-season growth
• Good drought tolerance
• Excellent stalk strength with good root system
# Corn Characteristics

## Agrisure®

<table>
<thead>
<tr>
<th>Brand</th>
<th>Trait</th>
<th>Days</th>
<th>GDU Blk</th>
<th>Plant Pop</th>
<th>High Pop</th>
<th>Early Vigor</th>
<th>Ear Flex</th>
<th>Plant Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS77-311</td>
<td>GTCBLL</td>
<td>77</td>
<td>2005</td>
<td>26-32,000</td>
<td>7</td>
<td>7</td>
<td>Fixed</td>
<td>8</td>
</tr>
<tr>
<td>NS82-182</td>
<td>GT</td>
<td>82</td>
<td>2260</td>
<td>28-34,000</td>
<td>8</td>
<td>8</td>
<td>Fixed</td>
<td>8</td>
</tr>
<tr>
<td>NS84-171</td>
<td>GT</td>
<td>84</td>
<td>2315</td>
<td>28-34,000</td>
<td>7</td>
<td>8</td>
<td>Fixed</td>
<td>8</td>
</tr>
<tr>
<td>NS87-104</td>
<td>3111V</td>
<td>87</td>
<td>2300</td>
<td>28-34,000</td>
<td>8</td>
<td>8</td>
<td>Semi-Flex</td>
<td>7</td>
</tr>
<tr>
<td>NS89-304</td>
<td>3010A</td>
<td>89</td>
<td>2275</td>
<td>29-36,000</td>
<td>8</td>
<td>9</td>
<td>Fixed</td>
<td>8</td>
</tr>
<tr>
<td>NS90-101</td>
<td>GTCBLL</td>
<td>90</td>
<td>2250</td>
<td>28-34,000</td>
<td>7</td>
<td>7</td>
<td>Semi-Flex</td>
<td>8</td>
</tr>
<tr>
<td>NS90-305</td>
<td>3220</td>
<td>90</td>
<td>2250</td>
<td>28-34,000</td>
<td>7</td>
<td>7</td>
<td>Semi-Flex</td>
<td>8</td>
</tr>
<tr>
<td>NS99-322</td>
<td>GTA</td>
<td>99</td>
<td>2430</td>
<td>28-34,000</td>
<td>7</td>
<td>7</td>
<td>Semi-Flex</td>
<td>7</td>
</tr>
<tr>
<td>NS99-344</td>
<td>3011A</td>
<td>99</td>
<td>2500</td>
<td>28-34,000</td>
<td>7</td>
<td>7</td>
<td>Semi-Flex</td>
<td>7</td>
</tr>
<tr>
<td>NS102-304</td>
<td>3011A</td>
<td>102</td>
<td>2520</td>
<td>29-36,000</td>
<td>8</td>
<td>8</td>
<td>Semi-Flex</td>
<td>8</td>
</tr>
<tr>
<td>NS104-394</td>
<td>3000GT</td>
<td>104</td>
<td>2630</td>
<td>28-36,000</td>
<td>7</td>
<td>9</td>
<td>Semi-Flex</td>
<td>9</td>
</tr>
</tbody>
</table>

### Rating Key for Corn Characteristics

10 = Best; 9 = Excellent; 8 = Above Average; 7 = Average; 6 = Below Average; 5 = Well Below Average

---

**Artesian Corn hybrid (left) vs. competitive hybrid (right)**

*Audrain County, Missouri*
<table>
<thead>
<tr>
<th>Ear Height</th>
<th>Drought Rating</th>
<th>Stalk Rating</th>
<th>Root Rating</th>
<th>Corn on Corn</th>
<th>Goss's Wilt</th>
<th>TST Wt</th>
<th>Drydown</th>
<th>Brand</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>8</td>
<td>6</td>
<td>9</td>
<td>9</td>
<td>NS77-311</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
<td>9</td>
<td>9</td>
<td>7</td>
<td>7</td>
<td>8</td>
<td>8</td>
<td>NS82-182</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>8</td>
<td>6</td>
<td>7</td>
<td>7</td>
<td>8</td>
<td>8</td>
<td>NS84-171</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>8</td>
<td>7</td>
<td>8</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>NS87-104</td>
</tr>
<tr>
<td>8</td>
<td>10</td>
<td>8</td>
<td>7</td>
<td>7</td>
<td>8</td>
<td>7</td>
<td>9</td>
<td>NS89-304</td>
</tr>
<tr>
<td>8</td>
<td>7</td>
<td>8</td>
<td>7</td>
<td>6</td>
<td>7</td>
<td>7</td>
<td>8</td>
<td>NS90-101</td>
</tr>
<tr>
<td>8</td>
<td>7</td>
<td>8</td>
<td>7</td>
<td>6</td>
<td>7</td>
<td>7</td>
<td>8</td>
<td>NS90-305</td>
</tr>
<tr>
<td>8</td>
<td>7</td>
<td>8</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>8</td>
<td>8</td>
<td>NS90-305</td>
</tr>
<tr>
<td>7</td>
<td>10</td>
<td>7</td>
<td>8</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>NS99-322</td>
</tr>
<tr>
<td>7</td>
<td>10</td>
<td>8</td>
<td>9</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>NS99-344</td>
</tr>
<tr>
<td>8</td>
<td>10</td>
<td>9</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>NS102-304</td>
</tr>
<tr>
<td>8</td>
<td>8</td>
<td>9</td>
<td>8</td>
<td>9</td>
<td>9</td>
<td>7</td>
<td>7</td>
<td>NS104-394</td>
</tr>
</tbody>
</table>

**Agrisure® Corn Characteristics**

**THEY'VE BEEN CRAWLING, FLYING, CHEWING AWAY AT YOUR FIELDS LONG ENOUGH.**

**IT'S TIME TO PUT YOUR FOOT DOWN.**

Agrisure Viptera® trait stacks result in higher yields and improved grain quality by protecting your fields against up to 16 above and below ground pests—more than any other trait stack on the market. So take a stand against destructive pests like corn earworm, western bean cutworm and black cutworm. Talk to your local seed or Agrisure traits representative about Agrisure Viptera today.

AgrisureViptera.com
Conventional Corn

NS81-200 CONV.
RM - 81 Days
High yield with fast drydown
- Excellent adaptation of all soil types east to west
- Strong root system
- Good late season plant intactness
- Husks flare for fast drydown

NS85-131 CONV.
RM - 85 Days
Early flowering to finish quickly
- Taller stature with medium ear placement
- Early flowering with fast drydown
- Strong yields across all field environments
- Very good late season intactness and staygreen
- Best performance on moderate to highly productive soils

NS92-111 CONV.
RM - 92 Days
Outstanding yield performance
- Conventional version of VS92-110
- Widely adapted for varying soil types
- Performs in high management environments
- Very good early vigor with good stress tolerance
- Fast drydown
**NS95-109 CONV.**

**RM - 95 Days**

*High test weight and fast drydown*

- Performs well across all plant densities
- High test weight with excellent grain quality
- Impressive stalk and root qualities
- Continued strong performance south of zone
- Very good late season intactness

---

**NS98-175 CONV.**

**RM - 98 Days**

*Fast-drying hybrid that excels in high yield environments*

- Strong Goss's wilt tolerance
- Best performance as full season product
- Fast drying hybrid
- Excels in high yield environments

---

**NS100-115 CONV.**

**RM - 100 Days**

*Productive across variety of soil types*

- Hybrid exhibits strong rooting characteristics
- Very good grain quality
- Performs well across variations in soil type
- Semi-fixed ear hybrid with response to higher populations
- Excellent grain quality and appearance
# Corn Characteristics

<table>
<thead>
<tr>
<th>Brand</th>
<th>Trait</th>
<th>Days</th>
<th>GDU Blk</th>
<th>Plant Pop</th>
<th>High Pop</th>
<th>Early Vigor</th>
<th>Ear Flex</th>
<th>Plant Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS81-200</td>
<td>Conventional</td>
<td>81</td>
<td>1934</td>
<td>30-36,000</td>
<td>8</td>
<td>8</td>
<td>Semi-Flex</td>
<td>7</td>
</tr>
<tr>
<td>NS85-131</td>
<td>Conventional</td>
<td>85</td>
<td>2140</td>
<td>30-35,000</td>
<td>8</td>
<td>8</td>
<td>Semi-Flex</td>
<td>8</td>
</tr>
<tr>
<td>NS92-111</td>
<td>Conventional</td>
<td>92</td>
<td>2310</td>
<td>30-36,000</td>
<td>9</td>
<td>8</td>
<td>Semi-Fixed</td>
<td>8</td>
</tr>
<tr>
<td>NS95-109</td>
<td>Conventional</td>
<td>95</td>
<td>2390</td>
<td>30-35,000</td>
<td>8</td>
<td>8</td>
<td>Semi-Fixed</td>
<td>7</td>
</tr>
<tr>
<td>NS98-175</td>
<td>Conventional</td>
<td>98</td>
<td>2480</td>
<td>30-36,000</td>
<td>8</td>
<td>8</td>
<td>Semi-Flex</td>
<td>7</td>
</tr>
<tr>
<td>NS100-115</td>
<td>Conventional</td>
<td>100</td>
<td>2510</td>
<td>30-35,000</td>
<td>8</td>
<td>7</td>
<td>Semi-Fixed</td>
<td>8</td>
</tr>
</tbody>
</table>

## Rating Key for Corn Characteristics

- **10** = Best; **9** = Excellent; **8** = Above Average; **7** = Average; **6** = Below Average; **5** = Well Below Average
<table>
<thead>
<tr>
<th>Ear Height</th>
<th>Drought Rating</th>
<th>Stalk Rating</th>
<th>Root Rating</th>
<th>Corn on Corn</th>
<th>Goss’s Wilt</th>
<th>TST Wt</th>
<th>Drydown</th>
<th>Brand</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>8</td>
<td>8</td>
<td>9</td>
<td>7</td>
<td>6</td>
<td>8</td>
<td>9</td>
<td>NS81-200</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>7</td>
<td>8</td>
<td>7</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td><strong>NEW</strong></td>
</tr>
<tr>
<td>7</td>
<td>8</td>
<td>7</td>
<td>8</td>
<td>8</td>
<td>7</td>
<td>8</td>
<td>8</td>
<td>NS85-131</td>
</tr>
<tr>
<td>7</td>
<td>9</td>
<td>8</td>
<td>9</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>7</td>
<td>NS92-111</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>7</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>NS95-109</td>
</tr>
<tr>
<td>8</td>
<td>7</td>
<td>7</td>
<td>9</td>
<td>7</td>
<td>7</td>
<td>8</td>
<td>8</td>
<td>NS98-175</td>
</tr>
<tr>
<td>8</td>
<td>7</td>
<td>7</td>
<td>9</td>
<td>7</td>
<td>7</td>
<td>8</td>
<td>8</td>
<td>NS100-115</td>
</tr>
</tbody>
</table>
Alfalfa

Perform Extra

- Outstanding yields of high quality forage
- Very high leaf to stem ratio with very fast recovery after cutting
- Very winter hardy (1.6) with a fall dormancy of 4.2
- HR to all six major alfalfa diseases
- Expresses multi-leaf expression at 60%

Wetland BR

- Wetland BR is the newest generation of branch rooted alfalfa
- This variety has been field selected to express the branch rooted trait
- Excels in wet soils as roots spread out rather than down
- Wetland BR allows farmers access to less productive fields

Value + Brand

- A blend of high yielding, disease resistant varieties
- Meets our strict germination and purity standards
- Excellent value at an economy price
- Will do well as green chop or dry hay
# Alfalfa Disease Rating Chart

<table>
<thead>
<tr>
<th>Disease/Insect</th>
<th>Perform Extra</th>
<th>Wetland BR</th>
<th>Value + Brand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacterial Wilt</td>
<td>HR</td>
<td>HR</td>
<td>HR</td>
</tr>
<tr>
<td>Fusarium Wilt</td>
<td>HR</td>
<td>HR</td>
<td>HR</td>
</tr>
<tr>
<td>Phytophthora Root Rot</td>
<td>HR</td>
<td>HR</td>
<td>HR</td>
</tr>
<tr>
<td>Anthracnose (Race 1)</td>
<td>HR</td>
<td>HR</td>
<td>R</td>
</tr>
<tr>
<td>Verticillium Wilt</td>
<td>HR</td>
<td>HR</td>
<td>R</td>
</tr>
<tr>
<td>Aphanomyces Root Rot (Race 1)</td>
<td>HR</td>
<td>HR</td>
<td>S</td>
</tr>
<tr>
<td>Aphanomyces Root Rot (Race 2)</td>
<td>R</td>
<td>R</td>
<td>N/A</td>
</tr>
<tr>
<td>Stem Nematode</td>
<td>HR</td>
<td>HR</td>
<td>N/A</td>
</tr>
<tr>
<td>Northern Root-Knot Nematode</td>
<td>HR</td>
<td>HR</td>
<td>N/A</td>
</tr>
<tr>
<td>Southern Root-Knot Nematode</td>
<td>R</td>
<td>R</td>
<td>N/A</td>
</tr>
<tr>
<td>Pea Aphid</td>
<td>R</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>DRI Rating (WI disease rating index)</td>
<td>34/35</td>
<td>34/35</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Rating Scale:** HR = Highly Resistant, R = Resistant, S = Susceptible, N/A = Data not available

---

# Regrowth Characteristics

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Perform Extra</th>
<th>Wetland BR</th>
<th>Value + Brand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winter Hardiness</td>
<td>1.6</td>
<td>1.5</td>
<td>1.8</td>
</tr>
<tr>
<td>Fall Dormancy</td>
<td>4.2</td>
<td>3.9</td>
<td>4</td>
</tr>
</tbody>
</table>

**Winter Hardiness Rating:** 1 = No injury, plants show uniform, symmetrical growth; 2 = Some injury, plant growth is symmetrical but slightly uneven; 3 = Significant injury, regrowth varies and reduced vigor appears; 4 = Severe injury, regrowth varies and reduced vigor appears; 5 = Dead plant.

**Fall Dormancy** is a measurement of growth related to a last cutting in mid-October. The growth rating is on a scale of 1-11. A rating of 4 or less = Excellent performance in northern growing areas.
Contacts

Dan Hogstad  
CEO  
507-951-4211  
dan@northstargenetics.com

Lyle Marcus  
Sales/Product Manager  
320-522-5072  
lyle@northstargenetics.com

Bob Jackson  
District Sales Manager  
320-249-0427  
bob@northstargenetics.com

Kyle Krump  
District Sales Manager  
701-640-1597  
kyle@northstargenetics.com

Scott Younggren  
District Sales Manager  
218-843-1718  
scott@northstargenetics.com

Josh Wentzel  
District Sales Manager  
320-979-3248  
josh@northstargenetics.com

Brian Helgeson  
Production Assistant  
218-556-4883  
brian@northstargenetics.com

NorthStar Genetics Office  
PO Box 40  
Wanamingo, MN 55983

Ph: (507) 824-2878  
Fx: (507) 824-3208

info@northstargenetics.com
At NorthStar Genetics we work hard at creating an extensive network of corn and soybean replicated trials across Minnesota and North Dakota. Plot trials are an important resource that allows us to find the best products for our local geographies and enhance our understanding of what products work best in each area.

We are also proud to offer our trial data online through our interactive map, where you can find all the trials that are being run in specific areas and the data from those trials. Visit our website to check it out and find the perfect soybean and corn varieties for your farm.

northstargenetics.com
@NSGenetics