



ND Bison

Soybean

NDSU NORTH DAKOTA STATE UNIVERSITY



Characteristics

| | |
|-----------------------|-----------------------|
| Yield | high |
| Relative Maturity | medium-late |
| SCN | moderate resistance |
| Hilum Color | yellow |
| Phytophthora Root Rot | resistant (races 3,4) |
| Maturity Group | 0.7 |

Strengths

- Moderate SCN resistance
- Phytophthora root rot resistance

Comments

ND Bison soybean was released in 2016. It is a conventional soybean variety that is intended to be a replacement for Sheyenne. ND Bison's maturity is 0.7. Compared with Sheyenne, ND Bison is one day earlier in maturity and has similar yield. ND Bison has improved defensive traits including moderate resistance to soybean cyst nematode (SCN) and resistance to phytophthora root rot races 3 and 4. This new variety also has tolerance to iron-deficiency chlorosis (IDC) and has resistance to lodging. ND Bison has purple flower color, tawny pubescence, brown pods, dull seed coat luster and yellow hila.

Agronomic Performance of ND Bison Across ND, 2011-2015

| | ND Bison | Ashtabula | Sheyenne |
|----------------------------|----------|-----------|----------|
| Yield (bu/acre) | 48.6 | 43.9 | 48.2 |
| Maturity Date ¹ | 20-Sept. | 16-Sept. | 21-Sept. |
| Lodging Score ² | 1.4 | 1.7 | 1.8 |
| IDC Score ³ | 1.8 | 2.0 | 1.9 |
| SCN | Yes | No | No |

¹ Date of 95% mature pod color.

² Lodging: 1 = upright, 5 = flat on ground.

³ Iron-deficiency chlorosis score: 1 = green, 3 = yellow, 5 = dead.