

## Other conventional soybean varieties

released by the North Dakota Agricultural Experiment Station:

**ND Henson** – (2015) 0.0 maturity. Good lodging resistance. IDC tolerance and phytophthora root rot resistance.

**ND1406HP** – (2014) 0.6 maturity. High protein and yellow hila. Good quality and yield.

**Ashtabula** – (2009) 0.4 maturity. High yield and yellow hila. Good tolerance to IDC. Resistance to phytophthora root rot.

**Sheyenne** – (2007) 0.8 maturity. High yield, yellow hila and resistance to race 3 of phytophthora root rot.

**ProSoy** – (2005) 0.7 maturity. A conventional variety with characteristics that make it suitable for the tofu specialty market. Similar maturity to Sargent with nearly equal yield and better IDC tolerance.

**For information** on the availability of Foundation seed contact:

### NDSU Research/Extension Centers

Agronomy Seed Farm, Casselton.....(701) 347-4743  
Carrington Research Extension Center..(701) 652-2951  
Hettinger Research Extension Center....(701) 567-4323  
Langdon Research Extension Center.....(701) 256-2582  
North Central Research Ext. Center.....(701) 857-7679  
Williston Research Extension Center.....(701) 774-4315

Or

**NDSU Foundation Seedstocks Project**

(701) 231-8140 or (701) 231-8067

[www.ndfss.com](http://www.ndfss.com)

## Plant Quality Certified Seed

Certified seed is field inspected and lab analyzed to help ensure variety identity, germination, and purity.

Contact your local seed producer or dealer for quality certified seed.

Seed producers or dealers can be found in the North Dakota Field Inspected Seeds Directory. The directory is available from the North Dakota State Seed Department (NDSSD), your NDSU Extension Service agent, or under the field seeds program of the NDSSD website.

[www.ndseed.com](http://www.ndseed.com)



Varieties protected under PVP with Title V option can only be sold as a certified class of seed. **It is the responsibility of the buyer and/or seller to confirm the PVP status of a specific crop variety prior to buying or selling the variety.** PVP status information can be obtained from the NDSSD.

# NDSU<sup>®</sup>

## AGRICULTURE

## ND Bison Conventional Soybean



[www.ndcropimprovement.org](http://www.ndcropimprovement.org)

# ND Bison

## Conventional Soybean

**ND Bison** is a conventional soybean variety released by the North Dakota Agricultural Experiment Station in 2016. ND Bison is not resistant to glyphosate. It is intended to be a replacement for Sheyenne.

ND Bison's relative maturity is 0.7. Compared with Sheyenne, ND Bison matures one day earlier and is similar in yield.

ND Bison has improved defensive traits including moderate resistance to soybean cyst nematode (SCN) and resistance to races 3 and 4 of phytophthora root rot. This new variety also has tolerance to iron-deficiency chlorosis (IDC) and has resistance to lodging.

ND Bison has performed very well in the multi-state Uniform Region Test which includes testing sites in southern Minnesota and Canada.

ND Bison has purple flower color, tawny pubescence, brown pods, dull seed coat luster and yellow hila.

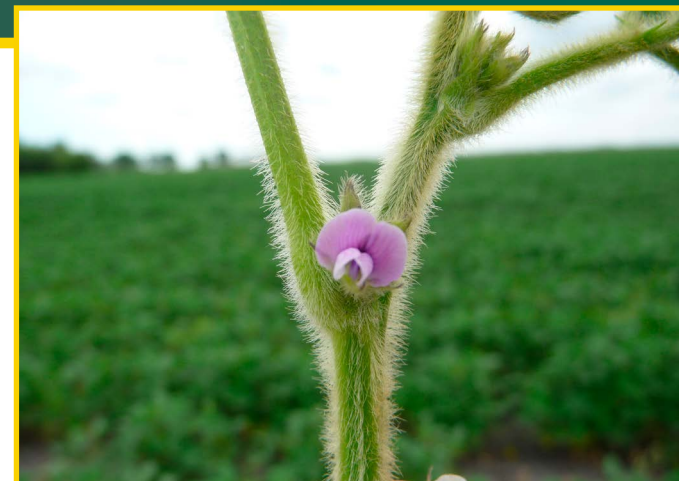
To help ensure genetic purity, ND Bison soybean will be protected under PVPA Title V and must be sold as a class of certified seed.

Development of this variety was made possible through funds provided by the North Dakota Soybean Council.

## ND Bison

### General Characteristics

- 0.7 maturity
- Moderate SCN resistance
- Phytophthora root rot resistance (races 3, 4)
- Conventional



### Agronomic Performance of ND Bison and Sheyenne Averaged Across Multi-State Uniform Regional Test, 2013-2015.

Variety	Yield (bu/a)	Protein <sup>1</sup> (%)	Oil <sup>1</sup> (%)	Lodging Score <sup>**</sup>	Plant Height (inches)	Seed Size (seeds/lb)
# of sites	16	10	10	8	17	17
ND Bison	53.1	35.4	18.7	1.2	27	2550
Sheyenne	53.1	34.9	18.5	1.2	30	2710

<sup>1</sup>Protein and oil reported on a 13% grain moisture basis.

<sup>\*\*</sup>Lodging score: 1-upright, 5-flat on ground.

### Agronomic Performance of ND Bison Across ND, 2011-2015.

Variety	Maturity Date <sup>*</sup>	Lodging Score <sup>**</sup>	IDC Score <sup>1</sup>	SCN	Yield (bu/a)
# of sites	33	8	13		33
ND Bison	20-Sept.	1.4	1.8	Yes	48.6
Ashtabula	16-Sept.	1.7	2.0	No	43.9
Sheyenne	21-Sept.	1.8	1.9	No	48.2

<sup>\*</sup>Date of 95% mature pod color.

<sup>\*\*</sup>Lodging score: 1-upright, 5-flat on ground.

<sup>1</sup>Iron-deficiency chlorosis score: 1-green; 3-yellow; 5-dead.

### For additional information

about ND Bison and other soybean varieties, refer to the most recent North Dakota Soybean Performance Testing circular A843. The soybean breeder or extension agronomist may also be contacted at 701-231-7971, or visit [www.ag.ndsu.edu/ndsug/crops](http://www.ag.ndsu.edu/ndsug/crops).