

Other conventional soybean varieties

released by the North Dakota Agricultural Experiment Station:

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

Cavalier – (2008) 00.7 maturity. Good yield, with good lodging resistance and yellow hila. Phytophthora root rot resistance to races 3 and 4.

Sheyenne – (2007) 0.8 maturity. Good yielding variety and has resistance to race 3 of phytophthora root rot. It has yellow hila.

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 iron deficiency chlorosis 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

P.O. Box 6050, Fargo, ND 58108-6050
(701) 231-8140

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 local county Extension agent, or under the field seeds program of the NDSSD website.

www.ndseed.com

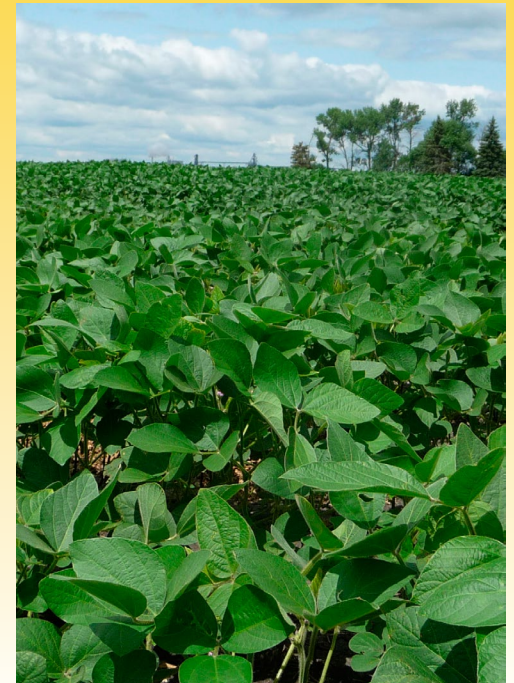


Varieties protected under PVP with Title V option can only be sold as a certified class of seed. **It is the responsibility of the buyer and/or seller to confirm the PVP status of a specific crop variety prior to buying or selling the variety.** PVP status information can be obtained from the ND State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

NDSU[®]

AGRICULTURE

ND1406HP Conventional Soybean



www.ndcropimprovement.org

ND1406HP

Conventional Soybean

ND1406HP is a conventional (non-GMO) soybean variety released by the North Dakota Agricultural Experiment Station in 2014. It is intended for the high-protein, tofu, or soymilk specialty markets. ND1406HP has better yield and quality for these specialty uses than other NDSU varieties and is best adapted to southeastern North Dakota.

ND1406HP has consistently had high protein content. It also is more resistant to lodging than ProSoy and is rated higher than ProSoy in overall tofu quality. The maturity of ND1406HP is 0.6, which is six days earlier in maturity compared with ProSoy.

Compared with the conventional NDSU soybean variety Sheyenne, ND1406HP has 3% higher protein content, matures 3 days earlier, and yields 6 bushels per acre less.

Characteristics of ND1406HP include purple flower color, gray pubescence, yellow hila with dull seed coat luster, and brown pod color. ND1406HP is tolerant to metribuzin herbicide at the recommended rate of application. ND1406HP does not have a phytophthora root rot resistance gene, however it has better quality and shorter maturity than ProSoy.

The North Dakota Crop Improvement and Seed Association has a license agreement with the NDSU Research Foundation to produce and distribute ND1406HP seed through Dakota Select Seed. To help ensure genetic purity, ND1406HP 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.

ND1406HP

General Characteristics

- High protein
- 0.6 maturity
- Good quality
- Yellow hila
- Conventional
- Good yield



Agronomic performance of ND1406HP and commercial varieties averaged across several North Dakota locations (2009-2012).

Variety	Yield (bu/A)	Protein* (%)	Oil* (%)	Maturity (date)	Lodging** Score
# of sites	27	19	19	26	14
ND1406HP	42.9	35.8	16.2	18-Sept	1.6
ProSoy	44.2	35.5	16.8	24-Sept	2.4
Sheyenne	49.3	32.4	17.7	21-Sept	1.6
Ashtabula	44.3	32.2	18.5	18-Sept	1.6
Cavalier	37.5	-	-	11-Sept	1.4

*Protein and oil content on a 13% moisture basis.

**Lodging: 1-best, 5-worst.

How did ND1406HP get its name?

1. state of origin
ND: North Dakota
2. year of release
14: 2014
3. maturity
06: 0.6
4. distinguishing characteristic
HP: high protein

For additional information

about ND1406HP 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/crops.