

Other conventional soybean varieties

recently released by the North Dakota Agricultural Experiment Station:

Pembina – (2005) 00.6 Maturity. Very early soybean which matures about three days earlier than Jim with comparable yield. Good protection against root rot and IDC with a 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.

LaMoire – (2004) 0.7 Maturity. Very high yield potential, greater than Barnes and Sargent, while three days earlier than Sargent. Also has great tolerance to iron deficiency chlorosis.

For information on the availability of Foundation seed contact NDSU Research Extension Centers:

(All 701 area codes)

Agronomy Seed Farm, Casselton.....347-4743
Carrington Research Extension Center.....652-2951
Hettinger Research Extension Center.....567-4323
Langdon Research Extension Center.....256-2582
North Central Research Ext. Center.....857-7679
Williston Research Extension Center774-4315

Or:

NDSU Foundation Seedstocks Project
(701) 231-8140

www.ag.ndsu.nodak.edu/aginfo/seedstock/fss/

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), North Dakota Crop Improvement & Seed Association, your local county agent, or under the field seeds program of the NDSSD website. www.ndseed.com



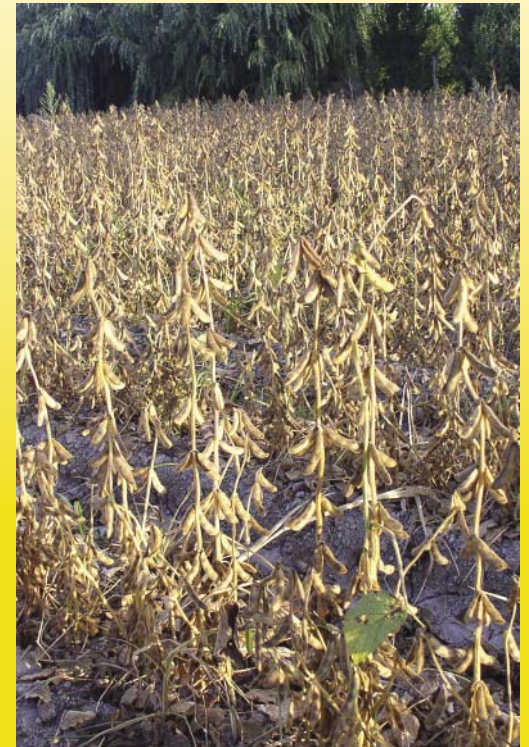
Varieties protected under PVP with Title V option can only be sold as a certified class of seed. **It is the responsibility of the buyer and/or seller to confirm the PVP status of a specific crop variety prior to buying or selling the variety.** PVP status information can be obtained from the ND State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

NDSU[®]

AGRICULTURE

Sheyenne

Conventional Soybean



North Dakota
**CROP IMPROVEMENT
& SEED ASSOCIATION**

www.ndcropimprovement.org

Sheyenne

Conventional Soybean

Sheyenne is a conventional soybean variety (not resistant to glyphosate) released by the North Dakota Agricultural Experiment Station in 2007.

The pedigree of Sheyenne is Pioneer 9071*A96-492041. A96-492041 is a line developed by Iowa State University. Sheyenne has purple flower color, grey pubescence, and yellow hila with dull seed coat.

The rationale for releasing Sheyenne is that it has especially high yield for its maturity and has resistance to Race 3 of phytophthora root rot. Sheyenne is intended to replace LaMoure as it has similar maturity, better yield, and yellow hila. The yellow hila color of Sheyenne is also a desirable trait for a conventional soybean cultivar.

To help ensure genetic purity, Sheyenne soybean will be protected under PVPA Title V and must be sold as a class of certified seed. A fifty cent per bushel research fee will apply to all Registered and Certified Seed sales. This fee will be collected from the labeler by the North Dakota State Seed Department.

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

Sheyenne

General Characteristics

- High yield
- 0.6 Maturity
- Yellow hila
- Good protection against ICD
- Resistance to phytophthora root rot

Agronomic performance of Sheyenne and other commercial check varieties averaged across North Dakota testing locations (2004-2005)

	Yield (bu/ac)	Maturity date	Lodging* score	IDC** score	Race 3 resistance
# of sites	18	18	6	4	
Sheyenne	42.8	25-Sept	1.3	2.5	Yes
Barnes	36.2	18-Sept	1.3	3.2	Yes
LaMoure	38.9	23-Sept	1.3	2.3	Yes

*Lodging score: 1 - upright, 5 - flat on ground.

**Iron chlorosis score: 1 - best, 5 - worst

Agronomic performance and quality of Sheyenne and other conventional varieties in the 2005 Uniform Regional Nursery

	Yield (bu/ac)	Maturity date	Lodging* score	Plant height (inches)	Seed size (seeds/lb)	Protein** (%)	Oil** (%)
# of sites	15	17	17	8	11	8	8
Sheyenne	55.6	14-Sept	1.2	33	2700	38.9	21.4
Trall	43.4	7-Sept	1.3	28	2750	41.1	20.7
Lambert	50.5	15-Sept	1.5	34	2700	40.4	21.7
Surge	55.8	15-Sept	1.5	33	2200	41.3	21.2

*Lodging score: 1 - upright, 5 - flat on ground

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

For additional information

about Sheyenne and other soybean varieties, refer to the most recent North Dakota Soybean Performance Testing circular (A-843) or at www.ext.nodak.edu/extpubs/plantsci/rowcrops/a843w.htm or contact the soybean breeder or Extension agronomist at (701) 231-7971.