

## Other conventional soybean varieties

recently released by the North Dakota Agricultural Experiment Station:

**Sheyenne** – (2007) 0.8 Maturity. A conventional variety that has especially high yield, moderate resistance to iron-deficiency chlorosis, and resistance to race 3 of phytophthora root rot.

**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.

## 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 Center .....774-4315

Or:

**NDSU Foundation Seedstocks Project**  
(701) 231-8140

[www.ag.ndsu.nodak.edu/aginfo/seedstock/fss/](http://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](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 ND State Seed Department.

# NDSU<sup>®</sup>

## AGRICULTURE

## Cavalier

Conventional Soybean



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

# Cavalier

## Conventional Soybean

**Cavalier** is a conventional soybean variety (not resistant to glyphosate) released by the North Dakota Agricultural Experiment Station in 2008.

The pedigree of Cavalier is Sargent\*ND96-1006. ND96-1006 is a line developed by NDSU that was never released. Cavalier has purple flower color, tawny pubescence, brown pod color, and yellow hila with dull seed coat.

The rationale for releasing Cavalier is that it has high yield for its maturity and has resistance to Race 3 & 4 of phytophthora root rot. Cavalier is intended to replace Jim as it has similar maturity, better yield, and better lodging resistance. The yellow hila color of Cavalier is also a desirable trait for a conventional soybean cultivar.

To help ensure genetic purity, Cavalier soybean will be protected under PVPA Title V and must be sold as a class of certified seed. A thirty cent per bushels 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 through funds provided by the North Dakota Soybean Council.

## Cavalier

### General Characteristics

- High yield
- 00.7 Maturity
- Lodging resistance
- Yellow hila
- Good protection against IDC
- Resistance to races 3 and 4 of phytophthora root rot

### Agronomic performance of Cavalier and other commercial check varieties averaged across North Dakota testing locations (2004-2007)

Entry	Yield (bu/ac)	Maturity date	Lodging* score	IDC** score	Race 3 & 4 resistance
# of sites	36	36	5	4	
<b>Cavalier</b>	<b>40.3</b>	<b>10-Sept</b>	<b>1.4</b>	<b>2.6</b>	<b>Yes</b>
Jim	39.1	9-Sept	2.3	2.2	No
Traill	40.3	13-Sept	2.1	1.9	No

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

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

### Agronomic performance and quality of Cavalier and other conventional varieties in the 2005-2007 Uniform Regional Nursery

Entry	Yield (bu/ac)	Maturity date	Lodging* score	Plant height (inches)	Seed size (seeds/lb)	Protein** (%)	Oil** (%)
# of sites	22	21	21	20	20	17	17
<b>Cavalier</b>	<b>45.6</b>	<b>10-Sept</b>	<b>1.1</b>	<b>27</b>	<b>2550</b>	<b>33.1</b>	<b>18.1</b>
Jim	45.5	9-Sept	1.2	27	2690	34.1	17.6
Traill	46.8	14-Sept	1.2	29	2670	35.1	17.7

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

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

### For additional information

about Cavalier and other soybean varieties, refer to the most recent North Dakota Soybean Performance Testing circular (A-843) or at [www.ag.ndsu.edu/variety/index.htm](http://www.ag.ndsu.edu/variety/index.htm) or contact the soybean breeder or Extension agronomist at (701) 231-7971.