

Other Dry Edible Bean varieties released by the North Dakota Agricultural Experiment Station:

Eclipse – (2004). Pinto Bean with medium maturity, very erect, tall growth, and good resistance to lodging.

Arthur – (2000). Navy bean with medium maturity, very erect, tall growth, and good resistance to lodging.

Maverick – (1996) Medium-early, semi-prostrate pinto bean with maturity similar to Othello. Resistant to rust but susceptible to BCMV. Small seed size with canning quality better than Othello.

Frontier – (1997) Late maturing pinto bean with large seed size and resistance to 39 rust races. Upright growth with good total plant dry down at harvest. Canning quality is similar to Sierra.

For information on the availability of Foundation seed contact:

NDSU Foundation Seedstocks Project
P.O. Box 5051, Fargo, ND 58051
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 PVPA 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.

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Lariat Pinto Bean



www.ndcropimprovement.org

Lariat Pinto Bean

Lariat is a pinto bean variety released by the North Dakota Agricultural Experiment Station (NDAES) in 2007.

The series of crosses that led to the selection of Lariat began in 1996 and included parental varieties such as 'Maverick', 'Winchester', and 'Aztec' along with numerous experimental lines. The objective of this series of crosses was to combine erect plant architecture, earliness, desirable seed characteristics, and disease resistance in a superior performing pinto bean variety.

Lariat is a medium maturing, high yielding pinto bean with excellent seed quality. The seed of Lariat is very uniform in size and is slightly larger and of similar appearance to Maverick. Lariat contains the resistance genes for bean common mosaic virus.

Lariat has exhibited resistance to leaf rust in greenhouse testing and verification of the resistance gene is ongoing. The plant architecture of Lariat is very erect with pods throughout the canopy and it exhibits synchronous dry-down of the pods and plant material. The erect plant structure and synchronous dry-down of Lariat suggests that it may be suitable for direct harvest given appropriate equipment and operator care.

Development of this variety was made possible through funds provided by the North Harvest Bean Growers Association and the North Dakota Dry Edible Bean Seed Growers Association.

Lariat Pinto Bean

General Characteristics:

- High yield potential
- Great protection against BCMV and bean rust
- Very good lodging resistance
- Excellent seed quality
- Synchronous dry down and upright growth habit

Grain yield of Lariat pinto bean and commercial varieties summarized from several tests in North Dakota.

	Lariat	Stampede	Buster	Maverick	GTS-900
Maturity (days)	100	96	94	95	99
Seed Size (g/100 seeds)	38.6	37.9	36.5	34.3	35.2
Growth Habit ¹	II	II	IIIa	IIIa	IIb
Height (inches)	66	62	51	57	57
Lodging Score ²	1	2	7	8	4

¹I = determinate bush; II = upright; short vine; III = prostrate vine; IV = indeterminate climber.

²Scale of 0 to 9 with 0 being the best.

Disease reaction of Lariat pinto bean and commercial varieties summarized from several tests in North Dakota.

	Lariat	Stampede	Buster	Maverick	GTS-900
Rust ¹	R	R	R	R	R
BCMV ¹	R	R	R	S	R
Anthraco nose ¹ (Race 7)	R	R	R	R	R
Anthraco nose ¹ (Race 73)	S	S	S	S	S

¹R=resistant; MR=moderately resistant; MS=moderately susceptible; S=susceptible

Yield performance of Lariat pinto bean compared to commercial varieties.

	Lariat	Buster	Maverick	GTS-900	Loc. Years
Yield (cwt/acre)	21.0	20.2	–	–	23
Yield (cwt/acre)	20.5	20.4	17.9	–	17
Yield (cwt/acre)	21.1	20.1	–	18.2	13
Yield (cwt/acre)	21.4	20.6	19.3	19.0	11



For additional information about Stampede and other dry bean varieties, refer to the most recent North Dakota Dry Bean Performance Testing circular A-654, contact the dry bean breeder or Extension agronomist at 701-231-7971 or visit www.ag.ndsu.nodak.edu/crops/