

Other dry edible bean varieties

released by the North Dakota Agricultural Experiment Station:

Talon – (2014) Dark Red Kidney Bean with high yield potential. BCMV resistance.

Rosie – (2014) Light Red Kidney Bean with high yield potential. BCMV resistance and late maturity.

Lariat – (2007) Pinto Bean with medium maturity, high yield potential, and upright architecture with synchronous dry-down. Resistant to leaf rust and BCMV.

Stampede – (2007) Pinto Bean with medium maturity and high yield potential. Resistant to BCMV. Erect plant structure and synchronous dry-down.

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

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

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



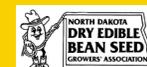
Varieties protected under PVP with Title V option can only be sold as a certified class of seed. **It is the responsibility of the buyer and/or seller to confirm the PVP status of a specific crop variety prior to buying or selling the variety.** PVP status information can be obtained from the NDSSD.

NDSU[®]

AGRICULTURE

ND Palomino

Slow Darkening Pinto Bean



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

ND Palomino Slow Darkening Pinto Bean

ND Palomino slow darkening pinto bean was jointly released by the North Dakota Agricultural Experiment Station and the USDA-ARS in 2016.

ND Palomino slow darkening pinto bean offers the slow darkening trait and competitive agronomic performance.

ND Palomino has an upright indeterminate (short vine) growth habit (Type IIa), white flowers and matures in approximately 102 days.

Agronomic performance and seed color, size, and shape are within acceptable commercial ranges of popular pinto bean cultivars grown in North Dakota.

Tested across 22 locations in ND and MN from 2012-2015 ND Palomino's seed yield was similar to Stampede and Lariat.

ND Palomino is resistant to Bean Common Mosaic Virus (BCMV), but susceptible to rust race 20-3 and anthracnose race 73. Susceptibility to bacterial diseases such as common bacterial blight and halo blight is similar to the commercial checks.

Canning quality for ND Palomino is within acceptable commercial ranges.

NDSU strongly encourages the segregation of slow darkening pinto beans from conventional darkening pinto beans. Care should be taken during harvest and seed handling to prevent mixing.

Did you know?

- North Dakota is the largest producer of dry beans in the U.S.
- Dry edible beans are an excellent source of protein, fiber, micronutrients and antioxidants.

ND Palomino Slow Darkening Pinto Bean

General Characteristics

- Slow darkening
- 102-day maturity
- BCMV resistance
- Competitive agronomic performance
- Upright plant architecture

Seed yield (cwt/acre) performance of ND Palomino pinto bean compared to commercial varieties across 20 environments in ND and MN.

	2013	2014	2015	Avg
ND Palomino	26.5	21.1	27.8	25.1
Stampede	27.1	22.7	24.2	24.7
Lariat	23.5	23.5	28.3	25.1
La Paz	28.0	26.1	28.3	27.5
Windbreaker	27.7	25.3	28.6	27.2

Averages of agronomic traits of ND Palomino compared with commercial pinto bean varieties grown in MN and ND across 22 environments.

Variety	100-seed weight (grams)	Maturity (days)	Plant height (inches)
ND Palomino	36.7	102	20
Stampede	35.7	98	21
Lariat	36.5	102	20
La Paz	33.8	99	21
Windbreaker	38.2	98	17



Conventional darkening pinto bean (left) compared with ND Palomino slow darkening pinto bean (right)

For additional information

about ND Palomino and other dry bean varieties, refer to the most recent North Dakota Dry Bean Performance Testing circular A-654 or visit <http://www.ag.ndsu.edu/ndsuag/crops>. The Dry Bean breeder or extension agronomist may also be contacted at 701-231-7971.