

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.

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

Stampede – (2007) Pinto Bean with medium maturity and high yields. 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

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 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 NDSSD.

NDSU[®]

AGRICULTURE

Rosie

Light Red Kidney 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.

Rosie Light Red Kidney Bean

Rosie light red kidney (LRK) bean was released by the North Dakota Agricultural Experiment station in 2014.

Rosie LRK has shown superior seed yield when compared with other commonly grown varieties in the region. In 2012-2014 Rosie produced about 800 pounds more per acre than CELRK, 330 more than Foxfire, and 140 more than Pink Panther.

Rosie LRK is tolerant to the root rot fungal complex commonly present in MN. Rosie LRK is resistant to Bean Common Mosaic Virus, but is susceptible to the new bean rust race 20-4. Greenhouse screening for anthracnose showed that Rosie is resistant to race 73, but has not been tested for race 7. In comparison with commercial checks, Rosie showed intermediate levels of resistance to common bacterial blight and halo blight.

Seed shape and size, and canning quality of Rosie are within acceptable commercial ranges and comparable to the commercial checks, however days to maturity is significantly higher than the checks. Rosie is a full-season variety and not recommended for late planting.

Did you know?

- Kidney beans rank fifth in dry bean acres grown nationwide.
- North Dakota is the top dry edible bean producing state.

Rosie Light Red Kidney Bean General Characteristics

- Tolerance to root rot complex in MN
- Intermediate resistance to bacterial diseases
- BCMV resistance
- Anthracnose race 73 resistance
- Full-season variety
- High seed yield

Yield (cwt/acre) performance of Rosie LRK bean compared to commercial varieties.

	2012		2013		2014		Avg
	P*	PR*	P*	PR*	P*	PR*	
Rosie	22.5	14.4	22.7	22.2	16.2	22.3	20.1
CELRK	10.9	6.7	20.4	17.4	9.1	8.1	12.1
Foxfire	15.3	9.0	19.8	18.4	19.3	19.0	16.8
Pink Panther	17.9	10.0	30.8	23.1	16.1	14.1	18.7

*Locations P=Perham, PR= Park Rapids.

Means of agronomic traits of Rosie LRK compared with LRK bean cultivars commonly grown in MN across 16 environments.

Variety	100-seed weight (grams)	Maturity (days)	Plant height (inches)	Canning quality*
Rosie	49.8	106	20.5	3.5
CELRK	51.1	92	15.7	–
Foxfire	49.2	99	18.1	–
Pink Panther	51.8	91	17.3	3.8

*Canning quality score from 1 to 7, where 1 is unacceptable, 2 poor, 3-4 average, 5-6 above average, and 7 excellent.



For additional information

about Rosie 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.