



Rosie

Light Red Kidney Bean

NDSU NORTH DAKOTA STATE UNIVERSITY



Characteristics

Yield	very high
Plant Type	bush
BCMV	resistant
Rust	susceptible
Maturity	medium-late
Canning Quality ¹	acceptable

¹ Scale of 1 to 7 where scores between 1 and 3 are considered unacceptable, 4 acceptable, and 5 to 7 highly desirable.

Comments

Rosie light red kidney bean was released in 2014. It was the first light red kidney (LRK) bean variety released by the ND Agricultural Experiment Station. Rosie LRK has shown superior seed yield. It is tolerant to the root rot fungal complex commonly present in MN. Rosie LRK is resistant to Bean Common Mosaic Virus (BCMV). Rosie LRK is resistant to anthracnose race 73 and has intermediate levels of resistance to common bacterial blight and halo blight. Rosie is a full-season variety and not recommended for late planting.

Strengths

- Very high yield
- Bacterial disease intermediate resistance
- Root rot tolerance

Agronomic Performance of Rosie in MN Across 16 Environments

	Rosie	CELRK	Foxfire	Pink Panther
100 seed weight (g)	49.8	51.1	49.2	51.8
Days to Maturity	106	92	99	91
Height (inches)	20.5	15.7	18.1	17.3
Canning Quality ²	3.5	—	—	3.8

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

Yield (cwt/acre) Performance of Rosie LRK Compared to Commercial Varieties

	Location	Rosie	CELRK	Foxfire	Pink Panther
2012	P ³	22.5	10.9	15.3	17.9
	PR ³	14.4	6.7	9.0	10.0
2013	P ³	22.7	20.4	19.8	30.8
	PR ³	22.2	17.4	18.4	23.1
2014	P ³	16.2	9.1	19.3	16.1
	PR ³	22.3	8.1	19.0	14.1
	Avg	20.1	12.1	16.8	18.7

³Locations P=Perham, PR=Park Rapids.