

ND Redbarn

Dark Red Kidney Bean

NDSU NORTH DAKOTA STATE UNIVERSITY



Characteristics

Seed Yield	superior
Plant Type	bush
Maturity	medium
BCMV	resistance
White Mold	tolerance
CBB	intermediate resistance

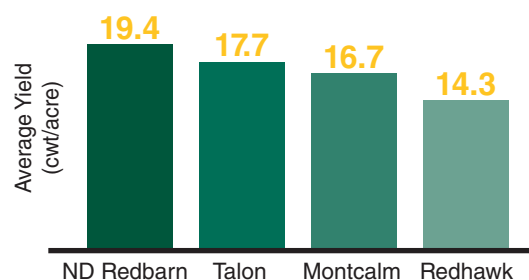
Strengths

- Superior seed yield
- Improved kidney shape
- Intermediate resistance to CBB
- White mold tolerance

Comments

ND Redbarn dark red kidney (DRK) bean was released in 2023 by the North Dakota Agricultural Experiment Station. ND Redbarn has shown competitive agronomic performance, including significantly higher yield, compared to other varieties commonly grown in North Dakota. ND Redbarn matures in approximately 99 days and has larger seed size and improved kidney shape. This variety has resistance to bean common mosaic virus (BCMV), intermediate resistance to common bacterial blight (CBB) and root rot, and also tolerance to white mold. Canning quality and seed shape and size are within acceptable commercial ranges.

DRK Bean Yield across 16 Environments in MN



Dark Red Kidney Bean Agronomic Performance in North Dakota

Variety	100 Seed Weight (g)	Days to Maturity	Height (cm)	Canning Quality*	CBB [^]	Root Rot [#]	White Mold
ND Redbarn	50.4	99	51	3.7	4.2	4.9	4.8
Montcalm	47.2	100	51	4.3	7.9	6.0	6.0
Redhawk	44.4	95	47	4.7	6.1	6.3	5.8
Talon	47.2	96	50	4.6	6.1	6.2	NT
Dynasty	55.2	98	57	NT	7.1	4.7	NT

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

[^]Common Bacterial Blight CIAT scale: 1-3=resistant, 4-6=intermediate, and 7-9=susceptible.

[#]Root rot based on a visual score taken at the field where 1-3=resistant, 4-6=intermediate, and 7-9=susceptible.

NT=Not tested.

*Data and information extracted from variety release documents. 12/2023