ND Falcon

Pinto Bean

NDSU NORTH DAKOTA STATE UNIVERSITY

Characteristics

Seed Yield	high
Plant Type	upright short vine
BCMV	resistant
Rust (20-3)	resistant
Maturity	late
Canning Quality[1]	4.1

[1] Scale of 1 to 7 where scores 1=unacceptable, 2=poor, 3-4=average, 5-6=above average and 7=excellent

Strengths

- Resistance to rust, BCMV & SCN
- Excellent upright architecture
- Competitive agronomic performance
- Intermediate resistance to CBB

Comments

ND Falcon pinto bean was released in 2019 from the ND Agricultural Experiment Station. ND Falcon has shown competitive agronomic performance compared to other varieties commonly grown in North Dakota. It has an upright indeterminate (short vine) growth habit (Type IIa), white flowers and matures in approximately 103 days. ND Falcon had slightly higher seed yield compared with other pinto cultivars commonly grown in the region. It has resistance to the rust race now prevalent in the region (20-3); however, visible symptoms can include small pustules that are not conducive to a disease outbreak. ND Falcon also has resistance to Bean Common Mosaic Virus (BCMV) and soybean cyst nematode (SCN) and has an intermediate resistance to common bacterial blight (CBB). Canning quality and seed shape/size for ND Falcon is within acceptable commercial ranges.

Agronomic Performance of ND Falcon Across 14 Environments in North Dakota

Variety	100 Seed Weight (g)	Days to Maturity	Height (inches)	Rust Race 20-3^
ND Falcon	37.0	103	21	R+
Lariat	37.6	100	20	S
La Paz	35.0	99	21	S
Windbreaker	38.2	96	18	S
Monterrey	35.5	99	21	S

^ R=resistant, S=susceptible
+ Visible symptoms can include small pustules that are not conducive to a disease outbreak.

Seed Yield (cwt/acre) of ND Falcon Compared to Commercial Varieties Across 12 Environments in North Dakota

Variety	2016	2017	2018	Avg
ND Falcon	26.9	23.8	22.7	24.9
Lariat	21.7	23.3	20.1	22.0
La Paz	26.7	26.0	21.8	25.6
Windbreaker	27.8	22.5	22.8	24.7
Monterrey	25.9	26.6	22.0	25.5

*Data and information extracted from variety release documents. 10/2020