

ND Polar

Navy Bean

NDSU NORTH DAKOTA STATE UNIVERSITY



Characteristics

| | |
|------------|-------------------------|
| Seed Yield | high |
| Plant Type | upright short vine |
| Maturity | medium |
| BCMV | resistance |
| CBB | intermediate resistance |

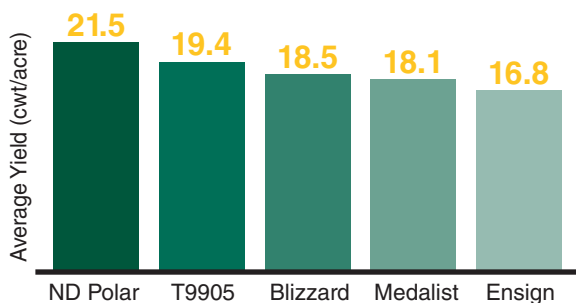
Comments

ND Polar navy bean was released in 2022 by the North Dakota Agricultural Experiment Station. ND Polar has shown competitive agronomic performance compared to other varieties commonly grown in North Dakota. It has an upright indeterminate (short vine) growth habit and matures in approximately 102 days. ND Polar had higher seed yield compared with other navy bean cultivars grown in the region. ND Polar is resistant to bean common mosaic virus (BCMV) and intermediately resistant to common bacterial blight (CBB). Canning quality and seed shape and size are within acceptable commercial ranges.

Strengths

- Intermediate resistance to CBB
- Excellent upright plant architecture
- Competitive agronomic performance

Navy Bean Yield Across 23 Environments in MIN-DAK Region



Navy Bean Agronomic Performance in North Dakota

| Variety | 100 Seed Weight (g) | Days to Maturity | Height (cm) | CBB [^] |
|----------|---------------------|------------------|-------------|------------------|
| ND Polar | 18.3 | 102 | 52 | 4.0 |
| Blizzard | 18.2 | 99 | 52 | 4.7 |
| Ensign | 19.1 | 96 | 51 | NT |
| Medalist | 16.7 | 101 | 52 | 6.2 |
| T9905 | 18.8 | 98 | 51 | 4.8 |

[^] Common Bacterial Blight CIAT scale: 1-3=resistant, 4-6=intermediate, and 7-9=susceptible. NT=Not tested.

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