



Navigator

Consistent Performance
MIN-DAK Region



NAVY BEAN

Navigator – Consistent Performance

Profile:

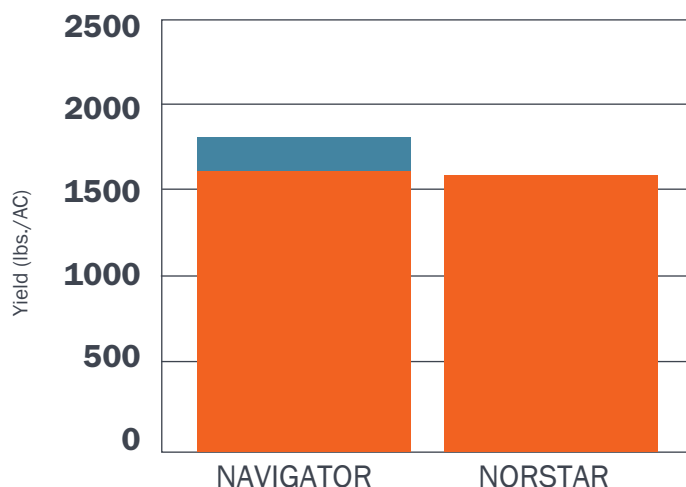
Navigator is a full season, upright, short vine with high scattered pod set with good cold tolerance germination. Navigator has demonstrated uniform maturity, excellent yield potential in fertile soils, and excellent canning quality. This bean is currently being direct harvested in the MIN-DAK region.

Economic Profile:

Assuming a 170 lbs. /AC yield increase over Norstar, this variety can potentially increase your profit \$54.40/AC on \$32/cwt. beans minus the difference in seed cost/AC. This can calculate out to an approximate \$8,064 increased profit over Norstar on one quarter section field.



NAVIGATOR VS. NORSTAR*



*Data from the MIN-DAK region

TRIAL DATA

NAVIGATOR*

Approx. Maturity	99-103 days
Plant Type	2A
Approx. Seed Count	2,427 seeds/lb.
Disease Resistance	IR:BCMV ("I" gene)

*See reverse side for disease resistance abbreviation chart

For customers around the world, ADM draws on its resources—its people, products, and market perspective—to help them meet today's consumer demands and envision tomorrow's needs.

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KEY TO RESISTANCE ABBREVIATIONS FOR BEANS

Plant Type 1A	Bush determinate erect stem
Plant Type 2A	Erect growth indeterminate short runners
Plant Type 2B	Erect growth indeterminate with medium to long runners
Plant Type 3B	Prostrate vine indeterminate growth with long runners
BCMV	Bean common mosaic caused by the specified strains of Bean common mosaic virus
BCTV	Curly top caused by Beet curly top virus
BGYMV	Bean golden yellow mosaic caused by Bean golden yellow mosaic virus
CI	Anthracnose caused by <i>Collectrichum lindemuthianum</i>
Psp	Halo blight caused by <i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i>
Pss	Bacterial brown spot caused by <i>Pseudomonas syringae</i> pv. <i>syringae</i>
Ua	Rust caused by the specified races of <i>Uromyces appendiculatus</i>
HR	High Resistance: describes plant varieties that highly restrict the growth and development of the specified pest or pathogen under normal pest or pathogen pressure when compared to susceptible varieties. Highly resistant varieties may, however, exhibit some symptoms or damage under heavy pest or pathogen pressure.
IR	Intermediate Resistance: describes plant varieties that restrict the growth and development of the specified pest or pathogen, but may exhibit a greater range of symptoms or damage compared to highly resistant varieties. Intermediately resistant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and/or pest or pathogen pressure.

In cases where specific races or strains are not noted the variety is resistant to some, but not necessarily all known races or strains of the pathogen.

ADM Seedwest

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For more information, please contact your Seedwest dry bean dealer or visit www.Seedwest.com.

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