



Orion

High Yielding Upright



GREAT NORTHERN

Orion - High Yielding Upright Great Northern

Profile:

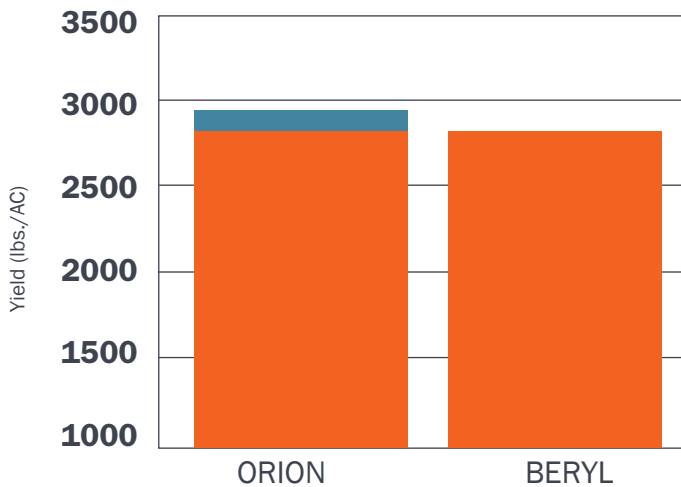
Orion is an upright medium profile variety. It is similar in plant type to Beryl, but more upright. Orion has a larger and more consistent seed size than beryl from year to year. Overall, Orion has demonstrated better canning quality than Beryl in four canning trials with Michigan State University.

Economic Profile:

Assuming a 160 lbs. increased yield compared to Beryl, growing Orion could potentially increase your profit by \$56/AC on \$35/cwt. beans. This amounts to \$5,600 on 100 acres.



ORION VS. BERYL*



*Data from the Great Plains region

TRIAL DATA

ORION*

Approx. Maturity	103-107 days
Plant Type	2B
Approx. Seed Count	1,331 seeds/lb.
Disease Resistance	IR: BCMV

*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	Anthraxnose 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.

Note: All variety information presented herein is based on field and laboratory observation. Actual crop yield and quality are dependent upon many factors beyond our control and NO WARRANTY is made for crop yield and quality. Since Environmental conditions and local practices may affect variety characteristics and performance, we disclaim any legal responsibility for these. Read all tags and labels. They contain important conditions of sale, including limitations of warranties and remedies. Seedwest is a registered trademark of ADM, P.O. Box 1470, Decatur, IL 62525. www.seedwest.com

