



Making Superior Vegetables a Reality™



PT Topaz R

Now Has High Resistance to Rust

PINTO BEAN

TRIAL DATA *

PT TOPAZ R

Approx. Maturity	89-93 days
Plant Type	2B
Approx. Seed Count	1,265 seeds/lb.
Disease Resistance	HR: Ua; Cl (Race 17 *Alpha, Race 73) IR: BCMV

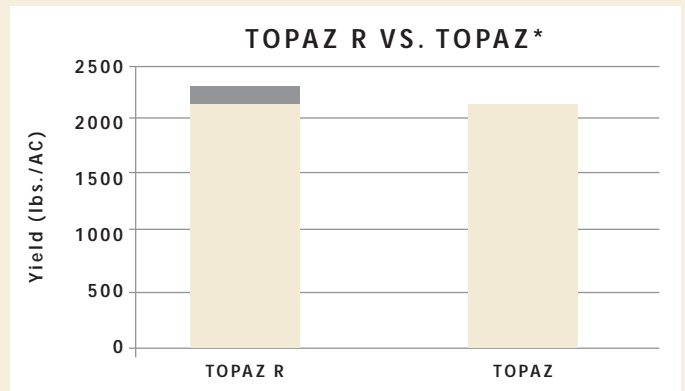
*See reverse side for disease resistance abbreviation chart

PROFILE:

For the MIN-DAK region, Topaz R combines early maturity and uniform dry down with stable yield performance. One advantage of Topaz R at harvest is the lack of green stem. Topaz R harvest begins when many other varieties are ripening but still lingering with late senescence. As with all upright arched varieties, Topaz R should be planted at recommended planting rates for best yield performance.

ECONOMIC PROFILE:

Assuming a 90 lbs./AC yield increase over Topaz, this variety can potentially increase your profit \$14/AC on \$16/cwt. beans minus the difference in seed cost/AC. This can calculate out to an approximate \$2,240 increased profit over Topaz on one quarter section field. In addition to having a yield advantage Topaz R has the "UR 11" gene conferring resistance to known strains of rust in North Dakota.



*Data from the MIN-DAK region

For more information, please contact your ROGERS® dry bean dealer or visit www.rogersadvantage.com

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KEY TO RESISTANCE ABBREVIATIONS FOR BEAN

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 <i>Bean common mosaic virus</i>
BCTV	Curly top caused by <i>Beet curly top virus</i>
BGYMV	Bean golden yellow mosaic caused by <i>Bean golden yellow mosaic virus</i>
CI	Anthraco nose caused by <i>Colletotrichum lindemuthianum</i>
Psp	Halo blight caused by <i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i>
Pss	Bacterial brown spot caused <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.

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