



# PT Topaz R

## Now Has High Resistance to Rust



### PINTO BEAN

**PT Topaz R** – High Resistance to Rust

#### 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 planing 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.



#### TRIAL DATA

##### PT TOPAZ R

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

\*See reverse side for disease resistance abbreviation chart

#### TOPAZ R VS. TOPAZ\*



\*Data from the MIN-DAK region

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### KEY TO RESISTANCE ABBREVIATIONS FOR BEANS

<b>Plant Type 1A</b>	Bush determinate erect stem
<b>Plant Type 2A</b>	Erect growth indeterminate short runners
<b>Plant Type 2B</b>	Erect growth indeterminate with medium to long runners
<b>Plant Type 3B</b>	Prostrate vine indeterminate growth with long runners
<b>BCMV</b>	Bean common mosaic caused by the specified strains of Bean common mosaic virus
<b>BCTV</b>	Curly top caused by Beet curly top virus
<b>BGYMV</b>	Bean golden yellow mosaic caused by Bean golden yellow mosaic virus
<b>CI</b>	Anthraxnose caused by <i>Collectrichum lindemuthianum</i>
<b>Psp</b>	Halo blight caused by <i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i>
<b>Pss</b>	Bacterial brown spot caused by <i>Pseudomonas syringae</i> pv. <i>syringae</i>
<b>Ua</b>	Rust caused by the specified races of <i>Uromyces appendiculatus</i>
<b>HR</b>	<b>High Resistance:</b> 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.
<b>IR</b>	<b>Intermediate Resistance:</b> 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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For more information, please contact your Seedwest dry bean dealer or visit [www.Seedwest.com](http://www.Seedwest.com).

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