Metzger (WT005) is adapted to the brown and black soils of the Canadian Prairie Provinces.

Metzger was tested in the winter rye and triticale coop trial as WT005 and in the FCDC trials as 94D036011. WT005 is derived from the cross 93A055/Pika/2/88DL01 produced at the Field Crop Development Centre, Lacombe in 1994. 93A055 is a Musketeer fall rye cytoplasm winter triticale germplasm introduction from Oregon. 88DL01 is the original reduced awn (awnletted) winter triticale population from which the winter triticale Bobcat was selected. The awnletted characteristic in 88DL01 came from a triticale x spring wheat cross (RL4137) back crossed several times to spring and winter triticale.

Metzger is an awnletted (reduced awn expression) standard height winter triticale line intended for use as a feed grain conserved forage, grazing and potentially for industrial use. Metzger is equivalent in yield to Pika and superior to Bobcat. This line is shorter stunted (13cm) than Pika and has improved lodging resistance. This line also has a higher falling number than the check varieties. Metzger has similar low levels of ergot infection as the check varieties. Non-Coop data indicates that Metzger has adequate resistance to leaf and stem rust. Biomass yields indicates that this line was higher yielding for biomass production than the awnletted check Bobcat but about 7% lower yielding on average than Pika during 2005-2007.

### End Use
- Metzger is an awnletted (reduced awn expression) standard height winter triticale line intended for use as a feed grain conserved forage, grazing and potentially for industrial use.

### Strengths
- Metzger yields equivalent to Pika with reduced awn expression similar to Bobcat and superior winter hardiness to Bobcat.
- Metzger has a falling number equal to or greater than Bobcat.
- Metzger is unique from previously released winter triticale varieties since it contains a known adapted fall rye background.

### Neutral Traits
- Metzger is similar to current varieties of winter triticale for ergot infestation.

### Weaknesses
- Metzger has a slightly lower winter hardiness than Pika and smaller kernel weight.

### Table 1. Summary of Agronomic data for WT005 (94D036011) 2005-2007

<table>
<thead>
<tr>
<th>Line</th>
<th>Yield (kg/ha)</th>
<th>Surv. (%)</th>
<th>Heading (days)</th>
<th>Maturity (days)</th>
<th>Test Wt (kg/hl)</th>
<th>Kernel Wt (mg)</th>
<th>Height (cm)</th>
<th>Lodge</th>
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<tbody>
<tr>
<td>Pika</td>
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**Summary for Falling Number of WT005 (94D036011) 2005-2007**

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<th>Mean</th>
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<tr>
<td>Pika</td>
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**Summary of Ergot data of WT005 (94D36011) 2005-2007**

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</tr>
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**Leaf and Stem Rust data for WT005 (94D36011) 2005-2007**

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<th>Line</th>
<th>Leaf Rust</th>
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<td>Stations</td>
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</table>

Leaf and stem rust evaluation was conducted at the University of Manitoba, Plant Science Department (Dr. Anita Brule-Babel). The lines were planted in the same nursery using the same inoculation and rating protocols as in the Central and Western Winter Wheat Coops.