Insect control with planting treatments on wheat in Manhattan, Kansas 2005

Gerald Wilde, Department of Entomology, Kansas State University.


Crop: Wheat, 7 treatments

Location: Manhattan, Kansas

Variety: Jagger

Planting Date: September 14, 2004

Herbicide: None

Soil Characteristics: Sand, 24%; Silt, 58%; Clay, 18%; Organic matter, 2.2%; pH, 8.1; CEC, 15.9

Plot Size: 1 row, 11 ft., 4 replications

Experimental Design: Randomized Complete Block

Planting Information: Wheat planted 1-2 inch depth, soil in good condition at planting, 30 inch rows, disc before planting

Field History: Wheat 2003-04

Phytotoxicity: None noted

Yield: June 25, 2005
**Insect control with planting treatments on wheat in Manhattan, Kansas 2005**

**Seed Treatment in Wheat – Yield Data**

Evaluation dates: 06/25/05

Gerald E. Wilde – Kansas State University

<table>
<thead>
<tr>
<th>Trt. No.</th>
<th>Treatment/ Product Name</th>
<th>Yield (bu/acre) (Mean ± SE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Control Check</td>
<td>29.23 ± 1.28ab</td>
</tr>
<tr>
<td>2</td>
<td>ICON 6.2 @ 25 GA/100 kg</td>
<td>31.60 ± 1.51ab</td>
</tr>
<tr>
<td>3</td>
<td>ICON 6.2 @ 50 GA/100 kg</td>
<td>28.95 ± 0.75ab</td>
</tr>
<tr>
<td>4</td>
<td>ICON 6.2 + Charter Max @ 50 GA/100 kg</td>
<td>31.95 ± 1.12a</td>
</tr>
<tr>
<td>5</td>
<td>Charter Max 1.8</td>
<td>28.15 ± 0.83b</td>
</tr>
<tr>
<td>6</td>
<td>Gaucho 480 @ 48 GA/100 kg</td>
<td>31.85 ± 1.27a</td>
</tr>
<tr>
<td>7</td>
<td>Cruiser @ 39 GA/100 kg</td>
<td>30.25 ± 1.66ab</td>
</tr>
</tbody>
</table>

Means within a column followed by the same letter are not significantly different ($P > 0.05$; PROC GLM; Mean comparison by LSD [SAS Institute 2003]).

Reference to specific products is provided solely for informational purposes. Experiments with pesticides on non-labeled crops or pests is part of the insecticide registration process, it does not imply endorsement or recommendation of non-labeled uses of pesticides by Kansas State University. All pesticide use must be consistent with current labels.

**Kansas State University Agricultural Experiment Station and Cooperative Extension Service**

K-State Research and Extension is an equal opportunity provider and employer. Issued in furtherance of Cooperative Extension Work, Acts of May 8 and June 30, 1914, as amended. Kansas State University, County Extension Councils, Extension Districts, and United States Department of Agriculture Cooperating, Fred A. Cholick, Director.