2007 Bird Cherry Oat Aphid (BCOA) Insecticide Efficacy Trial
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Pest: Bird Cherry Oat Aphid, *Phopalosiphum padi*
Crop: Wheat, 7 treatments
Location: Dickinson Co., Kansas
Planting Date: 
Plot Size: 15 ft x 20 ft
Experimental Design: Randomized Complete Block; 4 Replications
Information: Sprayed with hand sprayer delivering 20 gal/acre at 30 psi on 04/25/07
Phytotoxicity: none noted
Evaluation: Estimated number of BCOA per 1 row ft. on 05/09/07

<table>
<thead>
<tr>
<th>No.</th>
<th>Treatment/Product Name</th>
<th>BCOA counts (Mean ± SE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Untreated</td>
<td>185.00 ± 30.14 a</td>
</tr>
<tr>
<td>2</td>
<td>Baythroid XL @ 2.0 fl. oz./acre</td>
<td>13.25 ± 0.75 b</td>
</tr>
<tr>
<td>3</td>
<td>Baythroid XL @ 2.4 fl. oz./acre</td>
<td>10.50 ± 0.96 b</td>
</tr>
<tr>
<td>4</td>
<td>Warrior with Zeon technology 1CS @ 2.56 fl. oz./acre</td>
<td>12.75 ± 0.75 b</td>
</tr>
<tr>
<td>5</td>
<td>Warrior with Zeon technology 1CS @ 3.84 fl. oz./acre</td>
<td>6.50 ± 0.96 b</td>
</tr>
<tr>
<td>6</td>
<td>Mustang Max @ 3.2 fl. oz./acre</td>
<td>7.50 ± 1.32 b</td>
</tr>
<tr>
<td>7</td>
<td>Lorsban @ 12 oz./acre</td>
<td>8.00 ± 1.63 b</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