Performance of White Winter Wheat Varieties
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Objective
To obtain agronomic data on white wheat production in northwestern Ohio.

Background
Crop Year: 1997
Soil Test: pH 7.0; P 51 lbs./A; K 212 lbs./A
Cooperator: David Brewer
County/Town: Crawford/ Bucyrus
Fertilizer Applied: 300# 7-28-28 fall
Drainage: Improved
65# 28% N on 3/21/1997
Major Soil Type: Blount
Previous Crop: Soybean
Planting Rate: 120 lbs./A
Tillage: Disk
Planting Date: October 24, 1996
Harvest Date: July 21, 1997

Materials and Methods
Field was disked and fertilized prior to planting three white wheat varieties, Pioneer 2737W, Karena, and Bavaria along with a red wheat variety, Hopewell, in a completely randomized design. Individual plot size was 30' x 540' using four replications for each variety.

Results

<table>
<thead>
<tr>
<th>Wheat Hybrid</th>
<th>Yield (bu/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bavaria</td>
<td>66.7 a</td>
</tr>
<tr>
<td>Karena</td>
<td>70.5 a</td>
</tr>
<tr>
<td>Hopewell</td>
<td>73.5 a</td>
</tr>
<tr>
<td>Pioneer 2737W</td>
<td>80.7 b</td>
</tr>
</tbody>
</table>

Wheat hybrids followed by the same letter are not significantly different at the 5% level.

Summary and Notes
The milling industry in Ohio uses white winter wheat in the production of various flour blends and cake mixes. White wheat is currently imported into the state from Michigan, Ontario, and New York to fill this demand. If winter white wheat varieties have yields comparable to red wheat varieties, this would provide an alternative crop for Ohio wheat growers.

The wheat varieties used in this trial grew uniformly and very well with virtually no diseases present. There was only a slight amount of Stagnospora present.

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