Roundup Ready Soybean Yield Evaluation
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Objective
To compare the yield performance of six Roundup Ready soybean varieties from five companies.

Background
Cooperator: Tom Weiler
Soil Test: pH 7.0, P 23 ppm, K 154 ppm
County: Morrow
Nearest Town: Chesterville
Herbicide: Roundup Ultra (1.5 qt/A)
Soil Type: Sleeth
Planting Date: May 12, 1998
Drainage: Systematic
Planting Rate: 200,000 seeds/A
Tillage: Fall chisel, cultivate
Harvest Date: October 1, 1998
Previous Crop: Corn
Harvest Pop.: 156,000 plants/A

Methods
Six varieties of Roundup Ready soybeans having maturity ratings of 3.3 to 4.0 were planted. The varieties were replicated three times in a randomized complete block design. Harvested plot areas were 7' by 40' for each variety replicate.

Results

<table>
<thead>
<tr>
<th>Variety (Maturity)</th>
<th>Harvest Moisture (%)</th>
<th>Yield (bu/A @ 13% moisture)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pioneer 93B51 (3.5)</td>
<td>12</td>
<td>74.3 A</td>
</tr>
<tr>
<td>Countrymark RT357RR (3.9)</td>
<td>11.8</td>
<td>65.5 B</td>
</tr>
<tr>
<td>Pioneer 9333 (3.3)</td>
<td>12</td>
<td>61.4 B</td>
</tr>
<tr>
<td>Crows 34009 (3.4)</td>
<td>12.1</td>
<td>60.0 BC</td>
</tr>
<tr>
<td>Golden Harvest 1351RR (3.8)</td>
<td>11.6</td>
<td>58.7 BC</td>
</tr>
<tr>
<td>Callahan 7363RR (4.0)</td>
<td>11.5</td>
<td>54.3 C</td>
</tr>
</tbody>
</table>

LSD (P = 0.05) 7.51
CV 10.30%

Summary and Notes
Pioneer 93B51 yielded significantly higher than all the other varieties examined at this location in 1998. The plots were all free of weeds. Each variety grew tall, and the soybeans were all leaning at harvest time. The study indicates that all Roundup Ready soybeans are not equal performers. Producers need to be selective when choosing varieties.

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