Soybean Inoculant Demonstration Plots

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Objective

To evaluate a recently released USDA soybean inoculant.

Background

Crop Year: 1997  Soil Test: pH 7.3; P 30; K 148
Cooperator: Dennis Baker  Fertilizer Applied: 100# 0-46-0, 125# 0-0-60
County/Town: Darke/ Greenville  Herbicide: 1 qt. Roundup; 0.5 oz. Synchrony;
Drainage: Subsurface  Select, oil, 28% N
Major Soil Type: Miami  Variety: Pioneer 9364
Previous Crop: Corn  Planting Date: May 17, 1997
Tillage: None  Harvest Date: October 6, 1997

Materials and Methods

This was a plot done in cooperation with Bird Seed Co. to test USDA soybean inoculant. The plot was replicated four times in 30' x 1200' side-by-side strips.

Results

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Yield (bu/A)</th>
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</thead>
<tbody>
<tr>
<td>USDA Inoculant</td>
<td>42.88</td>
</tr>
<tr>
<td>No Inoculant</td>
<td>41.98</td>
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</tbody>
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Summary and Notes

Treatment averages were not significantly different at the 0.05 (LSD 4.93 bu/A) and 0.20 (LSD 2.54 bu/A) probability levels. Coefficient of variation equaled 11.3%

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