Soybean Inoculant Trial
David Jones, Agriculture and Natural Resources Extension Agent
Ed Lentz, Extension Agronomy Specialist
Phil Rzewnicki, On-Farm Research Coordinator

Objective

The objective of this trial was to examine the performance of a new soybean inoculum product on a farm in Allen County.

Background

Cooperator: Loren Creeger
Herbicide: POST: Roundup (1 pt/A) 2x
County: Allen
Planting Date: May 23, 1998
Nearest Town: Lima
Planting Rate: 170,000 seeds/A
Tillage: No-till
Row Width: 7.5 inches
Previous Crop: Corn
Harvest Date: October 14, 1998

Methods

A new pre-mixed, humus-based inoculant containing a USDA-patented strain of *Rhizobium* with sticking agent was compared to not using any inoculant. Producer used four replications with each strip plot being 40' by 1140' in size. Harvest data were taken from each 1.05-acre strip. The experiment design was complete block without randomization.

Results

<table>
<thead>
<tr>
<th>Inoculant</th>
<th>Yield (bu/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inoculant</td>
<td>42.2</td>
</tr>
<tr>
<td>No Inoculant</td>
<td>42.0</td>
</tr>
</tbody>
</table>

F = 0.52 No significant differences among treatment means at P = 0.05 CV = 7.1%

Summary and Notes

The inoculum treatment did not significantly increase yields. Experimental error was well controlled as indicated by the low coefficient of variation.

Acknowledgment

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For additional information, contact: David Jones
The Ohio State University Extension
jones.40@osu.edu