

Soybean Inoculant Trial

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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

County: Allen

Nearest Town: Lima

Tillage: No-till

Previous Crop: Corn

Herbicide: POST: Roundup (1 pt/A) 2x

Planting Date: May 23, 1998

Planting Rate: 170,000 seeds/A

Row Width: 7.5 inches

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 1. Soybean Inoculant Yield Data.

Inoculant	Yield (bu/A)
Inoculant	42.2
No Inoculant	42.0

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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