

Soybean Inoculant Demonstration Plots

Dennis Baker, AGNR Extension Educator- Darke County

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

Treatment	Yield (bu/A)
USDA Inoculant	42.88
No Inoculant	41.98

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%

For additional information, contact:

Dennis Baker
The Ohio State University
baker.5@osu.edu