

Soybean Inoculant Demonstration Plots

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Objective

To investigate the potential benefits of the recently released USDA inoculant for soybeans.

Background

Crop Year:	1997	Soil Test:	pH 6.4; P 121 lbs./A;
Cooperator:	Larry Lotz		K 249 lbs./A
County/Town:	Fayette/ Washington C.H.	Fertilizer Applied:	0-69-90 (actual)
Drainage:	Improved- 60 ft.	Herbicide:	1 qt. Roundup (2x)
Major Soil Type:	Crosby	Variety:	Pioneer and Asgrow
Previous Crop:	Wheat	Planting Date:	May 7, 1997
Tillage:	Conventional- chisel	Harvest Date:	October 3, 1997

Materials and Methods

Each plot measured 50' x 400'. All soybeans were Roundup-Ready and were sprayed twice during the growing season with 1 qt./A Roundup. Weed control was very good. An infrared photo showed color difference in favor of inoculated plots.

Results

Treatment	Plot No.	Plant N	Yield/Ac.	Avg. Yield	Treatment Difference
USDA Inoculant	2	6.60%	62.5	61.54	2.1 bu/ac. in Favor of USDA Inoculated Plots
USDA Inoculant	4	6.60%	60.58		
No Inoculant	1	6.80%	59.97		
No Inoculant	3	6.60%	58.88		

For additional information, contact:

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