

Soybean Inoculant Comparison

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OBJECTIVE: To determine and document the effect of inoculation on the profitability of soybean production.

TREATMENTS:	<u>Cost/acre</u> <u>1998</u>
No inoculant	-----
Standard inoculant	\$1.00
Urbana inoculant	\$1.33

RESULTS:	<u>1998</u>
Moisture (%)	
None	12.3
Standard	12.2
Urbana	12.1**
Seed Yield (bu/ac @ 13%)	
None	50
Standard	50
Urbana	50
Test Weight (lbs/ac)	
None	55.7
Standard	55.3***
Urbana	55.7
Population (1,000's/ac)	
None	136.6
Standard	130.1
Urbana	143.6**

** significantly different at 95% confidence level

*** significantly different at 99% confidence level

Summary: In 1998, seed yield of soybeans was not influenced by seed inoculation. The use of Urbana inoculant resulted in slightly drier seed at harvest and a higher plant population. The use of standard inoculant resulted in the lowest seed test weight. The field in which this study was conducted has a long term history of corn/soybean rotation.