



On-Farm Comparison Results

- Schmutte

Year: 2001

Title: Nitrogen Source and Rate

Crop: Soybeans

NSFGPP Operator: Rick Schmutte, Lancaster County

Consultant: Charles Wortmann

Objective: To determine and document the effect of applied nitrogen fertilizer on the profitability of producing soybeans.

Treatments: No fertilizer vs. 30 lbs/ac N or 60 lbs/ac N as ammonium nitrate or urea.



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Variable

<u>Treatment</u>	<u>Yield, bu/ac</u>	<u>Moisture</u>	<u>Test wt.</u>	<u>Cost</u>
<u>(Appl 8/5/01)</u>	<u>At 13.0%</u>	<u>%</u>	<u>lbs/bu</u>	<u>\$/ac</u>
No fertilizer	37	10.3	55.9	---
30 N as AN	40	10.4	55.9	6.34
60 N as AN	39	10.3	55.8	12.68
30 N as Urea	38	10.3	55.9	6.34
60 N as Urea	38	10.3	55.8	12.68

Statistical Analysis:

(Prob > F) 0.648 ns 0.914 ns 0.867 ns

Summary: The application of nitrogen fertilizer on soybeans had no effect on growth or seed yield in 2001.