

Nebraska Soybean & Feed Grains Profitability Project

Year: 2002-2003

Title: Soil Amendment

Crop: Soybeans 2002, Corn 2003

NSFGPP Operator: Mike Eason, Dodge County

Private Industry Cooperator: Mike Williams

Objective: To determine and document the effect of using a soil amendment on the profitability of crop production.

Treatments: No soil amendment vs. two rates of Calcium Sulfate (Gypsum).

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Results: 2002 Soybeans

<u>Variable</u>	<u>None</u>	<u>1 Ton/Ac</u>	<u>2 Ton/Ac</u>	<u>Prob >F</u>
Yield, bu/ac at 13.0%	45	47	42	0.168 ns
Moisture, %	11.3	11.4	11.4	0.681 ns
Cost/ac	---	\$10.00	\$20.00	
	Haul	4.64	9.28	
	Spread	<u>6.00</u>	<u>6.00</u>	
	Total	\$20.64	\$35.28	

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2003 Corn

<u>Variable</u>	<u>None</u>	<u>1 Ton/Ac</u>	<u>2 Ton/Ac</u>	<u>Prob >F</u>
Yield, bu/ac at 13.0%	129	127	131	0.655 ns
Moisture, %	18.2	18.4	18.2	0.550 ns
Test Wt, lbs/bu	56.2	56.2	56.3	0.978 ns

Summary: Application of soil amendment had no effect on the growth and seed yield of soybeans in 2002 or the growth of corn in 2003.