Nebraska On-Farm Research Network

Phosphorus Fertilizer vs. No Fertilizer-Soybeans

Study ID: 101025199401

Year: 1994

County: Cass

OBJECTIVE: To determine and document the profitability of using phosphorus fertilizer versus no fertilizer on soybeans.

FERTILIZER		**NO FERTILIZER**	
Treatment:		**Treatment:**	
Disk		Disk	
Disk		Disk	
Fertilizer:	11-52-0, 126 pounds/acre	None	
Herbicide:	1 quart Treflan, .5 pint Command, .5 pint Scepter, 12 ounces Poast+, .5 pint Crop Oil and .5 ounces Classic	Herbicide:	1 quart Treflan, .5 pint Command, .5 pint Scepter, 12 ounces Poast+, .5 pint Crop Oil and .5 ounces Classic
Plant		Plant	
Cultivate:		Cultivate:	
Rouge		Rouge	
Harvest		Harvest	

Comparative cost (per acre)		**Comparative cost (per acre)**	
Fertilizer	$12.85		$0.00
Total	**$12.85**	**Total**	**$0.00**

Nebraska Soybean & Feed Grains Profitability Project

University of Nebraska Lincoln

Nebraska On-Farm Research Network

Soil Test

1994
SOYBEANS

N/A

RESULTS:

Moisture (%)	
Fertilizer	12.6
No Fertilizer	12.7
Test weight (pounds/bushel)	
Fertilizer	52.9
No Fertilizer	51.9
Yield (13 %) (bushels/acre)	
Fertilizer	57 ***
No Fertilizer	48

*** significantly different at 99% confidence level

Summary: The yield for the phosphorous fertilizer treatment is significantly higher

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