Nebraska On-Farm Research Network

Conventional tillage vs. No-till Corn

Study ID: 120155199301

County: Saunders
Year: 1993

OBJECTIVE: To determine and document the profitability of a no-till versus conventional tillage system.

CONVENTIONAL TILLAGE		**NO-TILL**	
Treatment:		**Treatment:**	
Field Cultivate		None	
Plant		Plant	
Herbicide: 3 quarts Bullet, 2 pints Buctril/Atrazine, 0.334 ounces Accent and 28% UAN		Herbicide: 3 quarts Bullet, 2 pints Buctril/Atrazine, 0.334 ounces Accent and 28% UAN	
Harvest		Harvest	
Comparative cost (per acre)		**Comparative cost (per acre)**	
Field Cultivation	$5.81	None	$0.00
Total	**$5.81**	**Total**	**$0.00**

Nebraska Soybean & Feed Grains Profitability Project

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VARIABLE	1993 CORN
Moisture (%)	
Till	15.2
No-till	15.0
Test weight (pounds/bushel)	
Till	57.3
No-till	57.0
Yield (15.5 %) (bushels/acre)	
Till	123.9 *
No-till	118.3

* significantly different at 90% confidence level
\+ weather damaged

Summary: **The no-till treatment yield was higher than the conventional tillage treatment yield in 1993 at the 90% confidence level. The field cultivation operation expense is approximately $5.81/acre.**