Nebraska On-Farm Research Network

Conventional Tillage vs. No-till Soybeans

Study ID: 104025199201

County: Cass
Year: 1992

Objective: To determine and document the effect on profitability of Conventional-tillage versus No-till.

CONVENTIONAL-TI LLAGE		NO-TILL	
Treatment:		Treatment:	
Field Cultivation			
Herbicide: 1 quart Prowl, .9 pints Command and .25 pints Scepter			
Planting			
		Herbicide: 1 quart Prowl, .9 pints Command and .25 pints Scepter	
		Planting	
Costs:		Costs:	
Operations	$12.30	Operations	$10.90
Comparative cost	$ 14.00	Comparative cost	$10.90

Nebraska Soybean & Feed Grains Profitability Project

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Final population (seeds/acre)	
Conventional	**227,000**
No-till	**236,000**
Plant height	
Conventional	**35.0”**
No-till	**35.7”**
Pod height	
Conventional	**6.8”**
No-till	**7.0”**
Moisture (%)	
Conventional	11.7
No- till	11.7
Test weight (pounds/bushel)	
Conventional	**57.0**
No-till	**57.0**
Yield (13 %) (bushels/acre)	
Conventional	**54**
No-till	**53**

Summary: There has been no significant difference in yield between the conventional tillage and no-till treatment in 1992. The additional field cultivation in the conventional tillage treatment cost approximately $5.81/acre.