Nebraska On-Farm Research Network

Ridge vs. Conventional Tillage

Study ID: 024155199201

County: Saunders
Year: 1992

OBJECTIVE: To determine and document the profitability of a ridge till system versus a conventional till system.

RIDGE TILL	CONVENTIONAL TILL
Treatment:	**Treatment:**
Harrow	Disk
None	Field Cultivate
Herbicide: 1 pint Command banded and 1 pint Roundup.	Herbicide: 1 pint Command banded.
Plant	Plant
Cultivate	Cultivate
Cultivate	Cultivate

Comparative cost (per acre)		Comparative cost (per acre)	
Herbicide	$ 8.90	Herbicide	$ 4.00
Operations	$44.30	Operations	$52.50
Total	$53.20	**Total**	$56.50

Nebraska Soybean & Feed Grains Profitability Project

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Variable		
Early population		
	Ridge Tillage	106,000
	Conventional Tillage	110,000 *
Final population		
	Ridge Tillage	91,000
	Conventional Tillage	93,000
Population loss		
	Ridge Tillage	14.1%
	Conventional Tillage	15.7%
Plant height		
	Ridge Tillage	37.4”
	Conventional Tillage	37.6”
Pod height		
	Ridge Tillage	6.5”
	Conventional Tillage	7.3”
Moisture		
	Ridge Tillage	13.3%
	Conventional Tillage	13.5%
Test weight		
	Ridge Tillage	55.4
	Conventional Tillage	55.5
Yield (13 %)		
	Ridge Tillage	47.5 *
	Conventional Tillage	48.6

* significantly different at 95 % confidence level

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