



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

Treatment:

Harrow

None

Herbicide: 1 pint Command banded and
1 pint Roundup.

Plant

Cultivate

Cultivate

CONVENTIONAL TILL

Treatment:

Disk

Field Cultivate

Herbicide: 1 pint Command banded.

Plant

Cultivate

Cultivate

Comparative cost (per acre)

Herbicide	\$ 8.90
Operations	\$44.30
Total	<u>\$53.20</u>

Comparative cost (per acre)

Herbicide	\$ 4.00
Operations	\$52.50
Total	<u>\$56.50</u>

Nebraska Soybean & Feed Grains Profitability Project



Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska—Lincoln cooperating with the Counties and the United States Department of Agriculture.

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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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