



# Nebraska On-Farm Research Network

## Ridge vs. Conventional Tillage

Study ID: 024155199101

Year: 1991

County: Saunders

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

### RIDGE-TILLAGE

Treatment:

Early preplant application of 0.25 pounds Sencor DF and 0.5 pint 2,4-D ester

Stalk harrowing

Planting: banded application of 1 pint Command (broadcast rate)

Cultivation

Cultivation

Costs:

Herbicide \$ 9.81

Operations 52.14

Comparative cost \$ 61.95

### CONVENTIONAL-TILLAGE

Treatment:

Discing

Field cultivation: incorporation of 2 pints Sonolan

Planting: banded application of 1 pint Command (broadcast rate)

Cultivation

Cultivation

Costs:

Herbicide \$ 10.00

Operations 55.67

Comparative cost \$ 65.67

**Nebraska Soybean & Feed Grains Profitability Project**



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### Page 2

Variable		1991
Early population	Ridge Tillage	99,000
	Conventional Tillage	102,000
Final population	Ridge Tillage	82,000 *
	Conventional Tillage	92,000
Population loss	Ridge Tillage	17.6%
	Conventional Tillage	15.1%
Plant height	Ridge Tillage	35.4"
	Conventional Tillage	34.3"
Pod height	Ridge Tillage	3.6"
	Conventional Tillage	3.7"
Moisture	Ridge Tillage	<b>9.4%</b>
	Conventional Tillage	<b>9.5%</b>
Test weight	Ridge Tillage	57.5
	Conventional Tillage	57.4
Yield (13 %)	Ridge Tillage	51.7
	Conventional Tillage	51.5

\* significantly different at 95 % confidence level

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