



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

Treatment:

Field Cultivate

Plant

Herbicide: 3 quarts Bullet, 2 pints
Buctril/Atrazine, 0.334 ounces Accent
and 28% UAN

Harvest

Comparative cost (per acre)

Field Cultivation \$5.81

Total \$5.81

NO-TILL

Treatment:

None

Plant

Herbicide: 3 quarts Bullet, 2 pints
Buctril/Atrazine, 0.334 ounces Accent
and 28% UAN

Harvest

Comparative cost (per acre)

None \$0.00

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.

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