



Nebraska On-Farm Research Network

Conventional Tillage vs. No-till Soybeans

Study ID: 104025199301

County: Cass

Year: 1993

OBJECTIVE: To determine and document the profitability of conventional tillage vs no-till soybeans.

CONVENTIONAL TILLAGE

Treatment:

Cultivate

Herbicide: 1 quart Prowl, 1 pint Command and 3.2 ounces Scepter

Plant

Harvest

NO-TILL

Treatment:

Cultivate

Herbicide: 1 quart Prowl, 1 pint Command and 3.2 ounces Scepter

Plant

Harvest

Comparative cost (per acre)

Field Cultivation \$5.81

Comparative cost (per acre)

None \$0.00

Nebraska Soybean & Feed Grains Profitability Project



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VARIABLE		SOYBEANS
Final population (seeds/acre)	Conventional	155,900
	No-till	153,900
Plant height	Conventional	33.4"
	No-till	31.4"
Pod height	Conventional	8.6"
	No-till	8.5"
Moisture (%)	Conventional	10.5
	No-till	10.5
Test weight (pounds/bushel)	Conventional	57.3
	No-till	57.3
Yield (13 %) (bushels/acre)	Conventional	46
	No-till	45

Summary: There was no significant difference in yield between the conventional tillage and no-till treatment in 1993. The additional field cultivation in the conventional tillage treatment cost approximately \$5.81/acre.

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