Nebraska On-Farm Research Network

Reduced-Tillage vs. Conventional-Tillage

Study ID: 043155199001

County: Saunders
Year: 1990

OBJECTIVE: To determine and document. the effect on profitability of a reduced-till system versus a conventional-till system.

TREATMENT

REDUCED-TILL	CONVENTIONAL-TILL
Fall disking	Fall disking
Early preplant application of .4 pounds Sencor DF, .67 pints 2,4-D ester, and 1.5 pints Prowl	Early preplant application of .4 pounds Sencor DF, .67 pints 2,4-D ester, and 1.5 pints Prowl
Planting: Renik	Field cultivation
Cultivation	Field cultivation
	Planting: Resnik
	Cultivation

COMPARATIVE COST BUDGET

No comparative costs		Field operations:	
		Field cultivation(2 times)	$ 7.72
		Equipment cost:	
		Field cultivator ($8000)	
Comparative cost	$ 0.00	Comparative cost	$ 7.72

Nebraska Soybean & Feed Grains Profitability Project

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VARIABLE	1990
Early population	
Reduced-till	110000
Conventional-till	103000
Final population	
Reduced-till	113000
Conventional-till	106000
Plant height	
Reduced-till	36.0”
Conventional-till	36.1”
Pod height	
Reduced-till	4.6”
Conventional-till	4.9”
Moisture	
Reduced-till	10.2%
Conventional-till	10.4%
Sample weight	
Reduced-till	55.7
Conventional-till	55.9
Yield (13%)	
Reduced-till	40.8
Conventional-till	40.1

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