



Nebraska On-Farm Research Network

Influence of Existing Soybean Residue on Corn Performance

Study ID: 029053199801

County: Dodge

OBJECTIVE: To determine and document the influence of existing soybean residue on profitability of producing no-till corn.

TREATMENTS: Planting corn into existing soybean residue vs. planting into strips where the residue is removed two weeks prior to planting (removed when early pre-plant herbicide is applied).

RESULTS:

1998	<u>Variable</u>	<u>Residue Present</u>	<u>Residue Removed</u>
	Grain Yield (bu/ac @ 15.5%)	119	122**
	Moisture, %	14.0	14.1
	Test wt, lbs/bu	57.3	57.2
	Population, plants/acre	18,100	17,800
	Internode length, inches	4.1	4.2
	Cost, \$/ac	-----	\$3.00

** significantly different at 95% confidence level

Summary: Removal of residue prior to planting resulted in a significant yield increase in 1998.

Nebraska Soybean & Feed Grains Profitability Project



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