



Nebraska On-Farm Research Network

No-till Broadcast Herbicide vs. No-till Band Herbicide and Cultivation

Study ID: 042177199501

County: Washington

OBJECTIVE: To determine and document the profitability of a broadcast herbicide strategy on no-till corn versus using a band herbicide/cultivation strategy on no-till corn.

BROADCAST

Treatment:

Plant

Herbicide: 4 pounds Extrazine
(broadcast)

None

Harvest

BAND

Treatment:

Plant

Herbicide: 4 pounds Extrazine
(15-inch band)

Cultivate (twice)

Harvest

Comparative cost (per acre)

Herbicide	\$16.00
None	\$ 0.00
None	\$ 0.00
Total	\$16.00

Comparative cost (per acre)

Herbicide	\$ 8.00
Cultivation	\$ 5.49
Cultivation	\$ 5.49
Total	\$18.98

Nebraska Soybean & Feed Grains Profitability Project



Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture.

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VARIABLE	CORN
Moisture (%)	
Broadcast	14.7 *
Band/Cultivate	14.5
Test weight (pounds/bushel)	
Broadcast	56.2
Band/Cultivate	55.8
Yield (15.5%) (bushels/acre)	
Broadcast	55 **
Band/Cultivate	83

* significantly different at 90% confidence level

** significantly different at 95 % confidence level

Summary: The band herbicide treatment with cultivation had a significantly higher yield than the broadcast herbicide treatment at the 95% confidence level. Moisture was also significantly different at the 90% confidence level.

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