

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

**Wes Anderson**

**Private Industry Cooperator: Mike Williams**

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: 19954 pounds Extrazine  
(broadcast)

None

Harvest

## BAND

### Treatment:

Plant

Herbicide: 19954 pounds Extrazine  
(15-inch band)

Cultivate (twice)

Harvest

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Comparative cost (per acre)	<u>1995</u>	Comparative cost (per acre)	<u>1995</u>
Herbicide	\$16.00	Herbicide	\$ 8.00
None	\$ 0.00	Cultivation	\$ 5.49
None	\$ 0.00	Cultivation	\$ 5.49
<b>Total</b>	<u>\$16.00</u>	<b>Total</b>	<u>\$18.98</u>

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<b>VARIABLE</b>	<b>1995 CORN</b>
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.