

# Iron Fertilization of Corn

Jerry Soukup

Private Industry Cooperator: Jerry Mulliken

OBJECTIVE: To determine and document the effect of iron on the profitability of corn.

## NO IRON

### Treatment:

Plant corn

## IRON

### Treatment:

Plant corn with 2.5 lbs. Fe-EDDHA in  
10 gallons water/acre in seed furrow

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### Comparative cost (per acre)

None \$0.00

### Comparative cost (per acre)

2.5 pounds @ \$12/pound **\$30.00**

## RESULTS

**1996**

### Moisture (%)

No Iron

19.6

Iron

19.7

### Test Weight (pounds/bushel)

No Iron

56.1

Iron

55.9

### Yield (bushel/acre @ 15.5%)

No Iron

100 \*\*

Iron

**93**

\*\* significantly different at 95% confidence level

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**Summary:** The use of iron resulted in a significant reduction in grain yield. Reason cannot be explained since no differences were observed in field during crop growth.