Nebraska On-Farm Research Network

Iron Fertilization of Corn

Study ID: 116155199601

County: Saunders

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

NO IRON	IRON
Treatment:	Treatment:
Plant corn	Plant corn with 2.5 lbs. Fe-EDDHA in 10 gallons water/acre in seed furrow
Comparative cost (per acre)	Comparative cost (per acre)
None $0.00	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

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.

Nebraska Soybean & Feed Grains Profitability Project