



Nebraska On-Farm Research Network

Starter Fertilizer on Corn

Study ID: 067155199701

County: Saunders

OBJECTIVE: To determine and document the profitability of using no starter vs. premium starter vs. 10-34-0 starter

TREATMENTS:

1997 (Soil P: 6 ppm)

	<u>Fertilizer</u>	<u>Costs</u> <u>Application</u>	<u>Total</u>
No starter	-----	-----	-----
8-20-2-1 @ 5 gal/ac	\$11.40	\$1.50	\$12.90
10-34-0 @ 5 gal/ac (57 lbs)	\$ 6.56	\$1.50	\$ 8.06

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.

University of Nebraska–Lincoln Extension educational programs abide with the nondiscrimination policies of the University of Nebraska–Lincoln and the United States Department of Agriculture.



Nebraska On-Farm[®] Research Network

Starter Fertilizer on Corn

Page 2

RESULTS: 1997

Moisture (%)	
None	17.4***
Premium Starter	16.7
10-34-0	16.6
Test Weight (lbs/bu)	
None	54.6
Premium Starter	54.8
10-34-0	54.6
Yield (bu/ac @ 15.5%)	
None	97**
Premium Starter	111
10-34-0	114
Plant Height, inches @ 6 weeks	
None	19.1***
Premium Starter	25.8
10-34-0	26.1
Plant Population, per acre	
None	18,780
Premium Starter	18,500
10-34-0	18,420

** significantly different at 95% confidence level

*** significantly different at 95% confidence level

Summary: Use of starter fertilizer increased early growth and grain yield and resulted in lower grain moisture at harvest in 1997. There was no significant difference in performance of the two starter fertilizers.

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.

University of Nebraska–Lincoln Extension educational programs abide with the nondiscrimination policies of the University of Nebraska–Lincoln and the United States Department of Agriculture.