Nebraska On-Farm Research Network

Starter Fertilizer on Corn

Study ID: 067155199901

County: Saunders

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

TREATMENTS:

		Costs	
	Fertilizer	**Application**	**Total**
1999 (Soil P: 6 ppm)			
No starter	----------	----------	--------
8-23-5-1 @ 5 gal/ac	$12.00	$1.50	$13.50
10-34-0 @ 5 gal/ac (57 lbs)	$ 6.55	$1.50	$ 8.05

Nebraska Soybean & Feed Grains Profitability Project

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RESULTS:	**1999 CORN**
Moisture (%)	
None	16.1***
Premium Starter	14.8
10-34-0	15.0
Test Weight (lbs/bu)	
None	57.8
Premium Starter	57.7
10-34-0	57.6
Yield (bu/ac @ 15.5%)	
None	116***
Premium Starter	137
10-34-0	139
Plant Height, inches @ 6 weeks	
None	35.1***
Premium Starter	41.9
10-34-0	41.8
Plant Population, plants per acre	
None	19,320
Premium Starter	19,300
10-34-0	19,520

** significantly different at 95% confidence level

*** significantly different at 95% confidence level

Summary: **The use of starter fertilizer in 1999 resulted in increased early growth and grain yield and lower grain moisture at harvest. There was no significant difference in the performance of the two starter fertilizers.**