Nebraska On-Farm Research Network

Starter Fertilizer on Corn

Study ID: 067155199801

County: Saunders

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

TREATMENTS:

1998 (Soil P: 10 ppm)	Costs		
	Fertilizer	**Application**	**Total**
No starter	----------	----------	--------
8-23-5-1 @ 5 gal/ac	$11.97	$1.50	$13.47
10-34-0 @ 5 gal/ac (57 lbs)	$ 6.41	$1.50	$ 7.91

RESULTS:

	1998
Moisture (%)	
None	15.6***
Premium Starter	15.2
10-34-0	15.2
Test Weight (lbs/bu)	
None	56.5
Premium Starter	56.6
10-34-0	56.7
Yield (bu/ac @ 15.5%)	
None	150
Premium Starter	153
10-34-0	154
Plant Height, inches @ 6 weeks	
None	28.0***
Premium Starter	33.3
10-34-0	33.8
Plant Population, per acre	
None	19,900
Premium Starter	19,700
10-34-0	19,960

*** significantly different at 95% confidence level

Summary: **In 1998, the use of starter resulted in increase in early plant growth and lower grain moisture at harvest. There was no significant difference in the performance of the two starter fertilizers.**