



Nebraska On-Farm Research Network

Starter Fertilizer on Corn Study

ID: 064109199701

County: Lancaster

Year: 1997

OBJECTIVE: To determine and document the profitability of 10-34-0 and Agri-Spectrum Starter fertilizer versus none.

STARTER (10-34-0)

AGRI-SPECTRUM (8-19-3)

NONE

Treatment:

Treatment:

Treatment:

Plant

Plant

Plant

Starter (10-34-0)

Agri-Spectrum (8-19-3)

No Starter Fertilizer:

- 4 ppm soil P
- 50 pounds

50 pounds

None

Comparative cost (per acre)		Comparative cost (per acre)		Comparative cost (per acre)	
10-34-0	\$7.25	8-19-3	\$13.63	None	\$0.00
Application	\$1.50	Application	<u>\$ 1.50</u>		
Total	\$8.75	Total	\$15.13		

RESULTS:

	10-34-0	Agri-Spectrum	None
Moisture (%)	26.2	27.4	28.1**
Test Weight (pounds/bushel)	53.6	54.0	54.0
Yield (bushel/acre @ 15.5%)	129	127	119***

**significantly different at 95% confidence level.

***significantly different at 99% confidence level.

SUMMARY: In 1997, the use of starter fertilizer increased grain yield and reduced grain moisture at harvest. There was no significant difference in performance between the two starter materials.

Nebraska Soybean & Feed Grains Profitability Project



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