



# Nebraska On-Farm Research Network

Pelleted Lime vs. No Lime

Soybean/Corn Rotation

Study ID: 079155199301M4

County: Saunders

**OBJECTIVE:** To determine and document the profitability of soybeans and corn using pelleted lime versus no lime. (Soybeans-1993, Corn -1994, Soybeans-1995, Corn-1996)

## PELLETED LIME

Plant: Apply pelleted lime with seed  
at 150 pounds per acre

Comparative cost (per acre)

	1993	1994	1995	1996
Lime (150 pounds @ \$72/ton)	\$5.40	\$5.40	\$5.40	\$5.40
Total	\$5.40	\$5.40	\$5.40	\$5.40

## NO LIME

Plant

Comparative cost (per acre)

	1993	1994	1995	1996
No lime	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00

**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.

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VARIABLE	1993 SOYBEANS	1994 CORN	1995 SOYBEANS	1996 CORN
Final Population (plants/acre)				
Lime	106,400	16,500	88,200	N/A
No Lime	103,700	17,100	88,400	N/A
Plant Height				
Lime	29.1"	N/A	26.9"	N/A
No Lime	28"	N/A	26.9"	N/A
Moisture (%)				
Lime	9.3	17.0**	8.7	16.9
No Lime	9.2	17.3	8.7	16.9
Test Weight (pounds/bushel)				
Lime	54.4	57.4	N/A	57.9
No Lime	54.2	56.8	N/A	57.8
Yield (bushel/acre)	(13%)	(15.5%)	(13%)	(15.5%)
Lime	43	139**	37	121
No Lime	45	136	37	121

\*\* significantly different at 95% confidence level

**Summary:** There was no significant yield difference between the limed and non-limed treatments in 1993, 1995, and 1996; however, the 1994 comparison showed a significant advantage on the limed corn. Grain moisture at harvest was lower in the limed strips in 1994. The liming treatment costs approximately \$5.40/acre.

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