



Nebraska On-Farm Research Network

Full Rate vs. Three-Fourths Rate Corn Rootworm Insecticide

Study ID: 092155199501

Year: 1995

County: Saunders

OBJECTIVE: To determine and document the profitability of a full rate, reduced rate and zero rate of corn rootworm insecticide treatment.

FULL RATE

REDUCED RATE (Three-fourths rate)

ZERO RATE

Treatment:

Treatment:

Treatment:

Fertilizer:

Anhydrous Ammonia

Fertilizer:

Anhydrous Ammonia

Fertilizer:

Anhydrous Ammonia

Herbicide:

1995—.6 gallons Bicep and
1 pint 2,4-D

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1995—.6 gallons Bicep and
1 pint 2,4-D

Insecticide: Lorsban 15G

8.7 pounds/acre

Insecticide: Lorsban 15G

6.5 pounds/acre

Insecticide: None

Plant

Plant

Plant

Harvest

Harvest

Harvest

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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Full vs. Three-Fourths vs. Zero Rate Corn Rootworm Insecticide, Page 2

Comparative cost (per acre)		Comparative cost (per acre)		Comparative cost (per acre)	
<u>1995</u>		<u>1995</u>		<u>1995</u>	
Insecticide	\$14.95	Insecticide	\$10.73	Insecticide	\$0.00.
Total	\$14.95	Total	\$10.73	Total	\$ 0.00

VARIABLE		1995	CORN	
Final population (seeds/acre)			Test weight (pounds/bushel)	
Full		17,700	Full	58.5
Reduced		17,200	Reduced	58.6
None		18,300	None	58.5
Moisture (%)			Yield (15.5 %) (bushels/acre)	
Full		15.5	Full	78
Reduced		15.4	Reduced	77
None		15.6	None	80

** significantly different at 95% confidence level

summary: In 1995, the insecticide treatment did not significantly influence grain yield.

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