



Nebraska On-Farm Research Network

Bt Corn vs. Non-Bt Corn

Study ID: 128053199601

Year: 1996

County: Dodge

OBJECTIVE: To determine and document the effect of using Bt corn on the profitability of corn production.

NON-Bt CORN

Bt CORN

Treatment:

Treatment:

Plant non-Bt corn
Apply insecticide

Plant Bt corn

Comparative cost (per acre)

Seed	\$27.11
Insecticide	<u>\$14.50</u>
Total	\$41.61

Comparative cost (per acre)

Seed	\$33.00
Total	<u>\$33.00</u>

RESULTS

Moisture (%)

Non Bt	17.2 ***
Bt	19.3

Test Weight (pounds/bushel)

Non Bt	58.0 ***
Bt	57.1

Yield (bushel/acre @ 15.5%)

Non Bt	187
Bt	186

Population (plants/acre)

Non Bt	20,800
Bt	20,900

*** significantly different at 99% confidence level

Summary: Using Bt corn resulted in higher moisture at harvest and a lower test weight. Hybrids are different in maturity; however, there was no difference in grain yield.

Nebraska Soybean & Feed Grains Profitability Project



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