Nebraska On-Farm Research Network

Year:	2001
Title:	Controlling Seedling Insects
Crop:	Corn
Study ID:	048053200101
County:	Dodge

Objective: To determine and document the effect of controlling seedling insects on the profitability of producing corn

Treatments: Tillage early vs. late and planting with non-treated seed vs. Gaucho-treated seed.

Nebraska Soybean & Feed Grains Profitability Project

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Costs:	**2001**	**Early till/Non-treated seed**
		Field cultivate, $ 7.00/ac
		Asgrow Rx601RYG 36.86/ac
		Total $43.86/ac
		Early till/Gaucho treated seed
		Field cultivate $ 7.00/ac
		Asgrow Rx60 RYGaucho 39.69/ac
		Total $46.69/ac
		Late till/Non-treated seed
		Asgrow Rx601 RYG $ 36.86/ac
		Late till/Gaucho-treated seed
		Asgrow Rx60 RYGaucho $ 39.69/ac

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Results: **2001**

Treatment	Yield, bu/ac At 15.5%	Moisture, %	Test Wt, lbs/bu	Plants, 1000/ac
Early till/NT Seed	186	14.5	58.6	22.7
Early till/Gaucho Seed	197	14.7	58.9	24.7
Late till/NT Seed	188	14.6	58.6	23.7
Late till/Gaucho Seed	197	14.7	59.0	25.4

Statistical Analysis: (Prob > F)

Tillage (T)	0.594 ns	1.000 ns	0.438 ns	0.113 ns
Seed Treat (S)	0.0001***	0.044**	0.008**	0.027**
TXS	0.489 ns	0.773 ns	1.000 ns	0.820 ns

Summary: The use of Gaucho treated seed in 2001 resulted in a slightly higher plant density, higher grain yield, slightly wetter grain at harvest, and slightly higher test weight than with non-treated seed. Time of tillage had no effect.

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