

Nebraska Soybean & Feed Grains Profitability Project

Years: 2004-2005

Title: Row Cultivation

Crop: Soybeans

NSFGPP Operator: Kerry & Angela Knuth, Saunders County

Private Industry Cooperator: Keith Glewen

Objective: To determine and document the effect of row cultivation of Roundup Ready Soybeans on the profitability of production

Treatments: No cultivation vs. row cultivation

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Results: 2004 Soybeans (Pio 93B01)

<u>Variable</u>	<u>None</u>	<u>Cultivation</u>	<u>Prob >T/</u>
Yield, bu/ac at 13%	69	66	0.0562 *
Cost/ac (appl)	2.35*	\$7.00	----
Cost/ac (herb)	\$4.25		

* 2nd spraying with Roundup

Results: 2005 Soybeans (Variety)

<u>Variable</u>	<u>None</u>	<u>Cultivation</u>	<u>Prob >T/</u>
Yield, bu/ac at 13%	60	60	0.785 ns
Moisture, %	11.3	11.3	0.951 ns
Cost/ac	--	\$7.00	

Summary: Cultivation resulted in a significant seed yield reduction in 2004, but had no effect in 2005.