

### Nebraska Soybean & Feed Grains Profitability Project

**Years:** 2004 - 2005

**Title:** Relay Cropping

**Crop:** Soybeans

**NSFGPP Operator:** Ron Sladky, Saunders County

**Private Industry Cooperator:** Paul Jasa

**Objective:** To determine and document the effect on profitability of relay cropping wheat into seed corn residue followed by soybeans.

**Treatments:** Seed corn/Soybeans vs. Seed corn/Wheat/Soybeans.

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**Results: 2004 (Kaup 2746 RR)**

<u>Variable</u>	<u>Conv.</u>	<u>Relay</u>	<u>Prob &gt;/T/</u>
Soybean Yield, bu/ac at 13%	67	40	<.0001 ***
Soybean Moisture, %	10.1	10.1	1.0000 ns
Soybean Test Wt, lbs/bu	57	57	0.7577 ns
Wheat Yield, bu/ac at 13%	---	52	---
Return Difference \$/ac	---	-38.79	<.0001 ***

**Results: 2005 (Soybean – GH2811/Wheat - Wesley)**

<u>Variable</u>	<u>Conv.</u>	<u>Relay</u>	<u>Prob &gt;/T/</u>
Soybean Yield, bu/ac at 13%	51	43	<0.0001***
Soybean Moisture, %	11.7	12.2	0.0007 ***
Wheat Yield, bu/ac at 13%	---	59	---
Return Difference \$/ac	---	83.57	<0.0001 ***

**Summary:** Relay cropping was less profitable than conventional cropping in 2004 due to reduced yields of soybeans planted in wheat and exceptional conventional soybean yield. In 2005, relay cropping was more profitable than conventional cropping.







