

Nebraska Soybean & Feed Grains Profitability Project

**Years:** 2005-2007  
**Title:** Apron vs. Cruiser Treated Soybeans  
**Crop:** Soybeans  
**NSFGPP Operator:** Vernon Brandert, Dodge County  
**Private Industry Cooperator:** Jerry Mulliken  
**Objective:** To determine & document the effect of using a Cruiser Treated variety vs. Non-Treated seed of the same variety on the profitability of producing soybeans.  
**Treatment:** Non Cruiser Treated seed (Apron) vs. Cruiser Treated seed. (120 ft wide Treatment strips)

Nebraska Soybean & Feed Grains Profitability Project

**Results: 2005** (AG2403)

	<u>ApronMax</u>	<u>CruiserMax</u>	<u>Prob&gt;/T/</u>
Yield, bu/ac @ 13%	69	70	0.702 ns
Moisture, %	10.0	10.2	0.035 **
Cost/ac	\$2.94	\$9.94	

**Results: 2006** (DeKalb 2551)

<u>Variable</u>	<u>ApronMax</u>	<u>CruiserMax</u>	<u>Prob&gt;/T/</u>
Yield, bu/ac @ 13%	60	63	0.146 ns
Moisture, %	10.9	10.6	0.188 ns
Defoliation, %	5.6	0	0.0002 ***
BL Beetles/100 plants	1.8	0	0.0351 **
Plants, 1000/ac	124.7	135.3	0.263 ns
Cost/ac	\$2.94	\$9.94	---

Planting Date: 5/10/06

Harvesting Date: 10/3/06

Nebraska Soybean & Feed Grains Profitability Project

Results: 2007

(DeKalb 2551)

<u>Variable</u>	<u>ApronMax</u>	<u>CruiserMax</u>	<u>Prob&gt;/T/</u>
Yield, bu/ac @ 13%	66	68	0.110 ns
Moisture, %	12.4	12.6	0.299 ns
Cost/ac	\$3.00	\$9.08	

Planting Date: 5/14/07

Harvesting Date: 10/20/07

Summary: There was no significant difference in seed yield due to treatment; however, seed moisture was higher from Cruiser treated seed in 2005. Bean Leaf Beetle pressure in this field was low in 2005. In 2006, seed yield & moisture were not affected by treatment; however, Bean Leaf Beetles & defoliation was lower on the CruiserMax treated soybeans. In 2007, seed yields and moisture at harvest were not affected by treatment. Treatment strips were 120 feet wide in 2007 & planting population was 150,000 seeds/ac.