

## On-Farm Comparison Results WILLIAMS

### Nebraska Soybean & Feed Grains Profitability Project

<b><i>Years:</i></b>	2005-2006
<b><i>Title:</i></b>	Using CruiserMax Seed Treatment
<b><i>Crop:</i></b>	Soybeans (Irrigated & Dryland)
<b><i>NSFGPP Operator:</i></b>	Brad Williams, Saunders County
<b><i>Private Industry Cooperator:</i></b>	Jerry Mulliken
<b><i>Objective:</i></b>	To determine & document the effect of CruiserMax (insecticide) on the profitability of producing soybeans.
<b><i>Treatments:</i></b>	Seed with Apron treatment vs. seed with CruiserMax & Apron treatment.

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#### Results:

#### Variable

Yield, bu/ac @ 13%  
 Moisture, %  
 Cost/ac

#### 2005 Non-Irrigated Soybeans (GH2811)

#### Apron

#### CruiserMax

#### Prob >/T/

51

53

0.0004 \*\*\*

9.1

9.0

0.0597 \*

\$2.00

\$7.00

#### 2005 Irrigated Soybeans (GH2453)

Yield, bu/ac @ 13%  
 Moisture, %  
 Plants, 1000/ac  
 Beetles/25 sweeps  
 Aphids/plant  
 Cost/ac

75

77

0.0005 \*\*\*

10.5

10.9

0.0021 \*\*\*

94.1

92.1

0.5476 ns

0.7

0.6

0.5113 ns

2.9

2.6

0.6014 ns

\$2.00

\$7.00

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#### Results: 2006 Non-Irrigated Soybeans (NK 527-L4)

<u>Variable</u>	<u>Apron</u>	<u>CruiserMax</u>	<u>Prob &gt;/T/</u>
Yield, bu/ac @ 13%	55	56	0.216 ns
Moisture, %	11.8	11.5	0.105 ns
Plants, 1000/ac	98.8	120.7	0.008 ***
Cost/ac		\$7.95	

Planting Date: 5/06

Harvesting Date: 9/20/06

#### 2006 Irrigated Soybeans (NK 527-L4)

Yield, bu/ac @ 13%	67	72	0.0027 ***
Moisture, %	10.4	10.2	0.337 ns
Plant Ht, inch	8.1	9.1	0.017 **
Plants, 1000/ac	99.5	120.7	---
Cost/ac		\$7.95	---

Planting Date: 5/06

Harvesting Date: 9/29/06

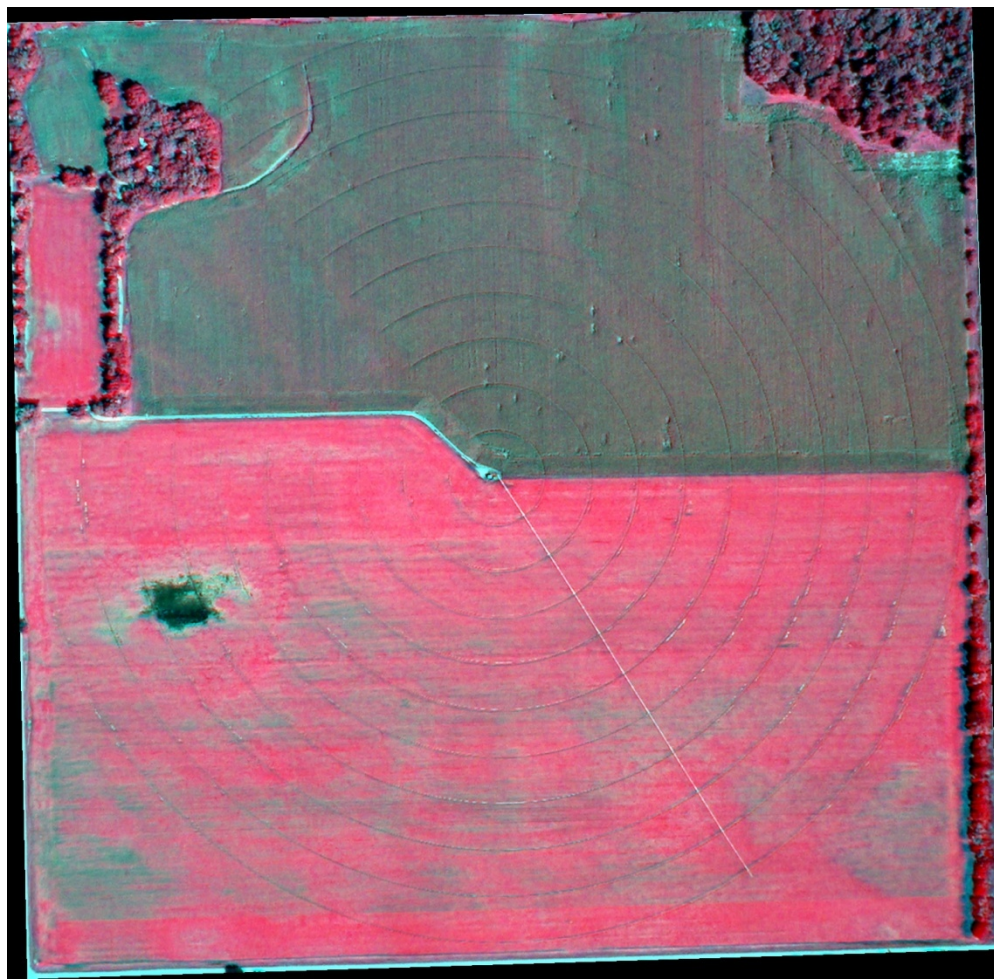
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Summary: The use of CruiserMax resulted in increased yields in 2005 for both the non-irrigated & irrigated studies. Seed moisture at harvest was lower for the non-irrigated CruiserMax plots, but higher for the irrigated study. No significant differences were detected for the plant populations or for the insect counts. In 2006, seed yield was increased by CruiserMax in the irrigated soybeans, but not for the non-irrigated. The use of CruiserMax resulted in higher plant population in the non-irrigated soybeans (counts not random in irrigated study) & increased early growth in the irrigated study.

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Cruiser Study