

Nebraska Soybean & Feed Grains Profitability Project

Years: 2007-2008
Title: Insecticide Treated Seed
Crop: Soybeans
NSFGPP Operator: Jim Panning, Dodge County
Private Industry Cooperator: Dale Kanning
Objective: To determine & document the effect of using insecticide treated seed to control Bean Leaf Beetle on the profitability of soybean production.
Treatments: Non-treated seed vs. CruiserMaxx treated seed.

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Results: 2007 Soybeans (NK S30-D4)

<u>Variable</u>	<u>No Treatment</u>	<u>CruiserMaxx Pak</u>	<u>Prob >/T/</u>
Yield, bu/ac @ 13%	62	70	0.0008 ***
Moisture, %	10.9	10.9	0.1996 ns
Plants, 1000/ac	106.5	126.4	0.0005 ***
Cost/ac	----	\$8.75	
Plant Population, 165,000 seeds/ac			

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Results: 2008 Soybeans (NK 28-G1)

<u>Variable</u>	<u>No Treatment</u>	<u>CruiserMaxx Pak</u>	<u>Prob >/T/</u>
Yield, bu/ac @ 13%	43	48	0.0034 ***
Moisture, %	11.3	11.2	0.0301 **
Cost/ac	---	\$10.50	
Plant Population, 165,000 seeds/ac			

Planting Date: 5-15-08

Harvesting Date: 10-06-08

Summary: Treatment strips were 140 ft wide. Minimal bean leaf beetle pressure in 2006. In 2007, CruiserMaxx increased seed yield and plant population significantly. Waterhemp pressure in non-treated strips. Low BLB pressure in this field. In 2008, seed yield was increased significantly and seed moisture at harvest was decreased by CruiserMaxx. Sprayed for aphids on August 12.