On-Farm Comparison Results
Brandert

Nebraska Soybean & Feed Grains Profitability Project

Years:	2007-2009
Title:	Fungicide Treatment
Crop:	Soybeans
NSFGPP Operator:	Vernon Brandert, Dodge County
Private Industry Cooperator:	Jerry Mulliken
Objective:	To determine & document the effect of using a fungicide spray on the profitability of producing soybeans.
Treatments:	One variety (Asgrow 2921 Vistive) planted and strips sprayed with 6 oz. Headline 7-13-07. In 2008, strips were sprayed with Quilt© 4 oz. on 7-13-08. 2009: AG3102 sprayed with Quilt @ 14 oz on 7/15/09.

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Results: 2007 (Asgrow 2921 Vistive)

	Check	Headline	Prob>/T/
Yield, bu/ac @ 13%	64	66	0.0055 ***
Moisture, %	9.3	9.4	0.0105 **
Cost/ac (fungicide)	---	$10.45	
Cost/ac (application)	---	$5.50	

Planting Date: 5/13/07 Spray Date: 7/13/07 Harvesting Date: 10/3/07

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Results: 2008 (Asgrow 2921 Vistive)

Non-Irrigated	Check	Quilt	Prob>/T/
Yield, bu/ac @ 13%	44	45	0.216 ns
Moisture, %	12.1	12.6	0.0366 **
Cost/ac (fungicide)	---	$4.25	
Cost/ac (application)	---	$7.00	
Irrigated			
Yield, bu/ac @ 13%	51	53	0.295 ns
Moisture, %	11.7	12.0	0.560 ns
Cost/ac (fungicide)	---	$6.46	---
Cost/ac (application)	---	$7.00	---

Planting Date: 5/14/08 Harvesting Date: 9/20/08

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Results: 2009 (AG3102)

	Check	Quilt	Prob>/T/
Yield, bu/ac @ 13%	55	57	0.124 ns
Moisture, %	12.0	12.2	0.095 *
Cost/ac (fungicide)	---	$15.74	
Cost/ac (application)	---	$7.00	

Planting Date: 4/22/09 Spray Date: 7/15/09 Harvesting Date: 9/25/09

Summary: In 2007, seed yield and moisture at harvest were significantly increased by fungicide spray. There were no visible differences until maturity. Headline beans remained green later in the season. Planting population was 150,000 seeds/ac in 30 inch rows. In 2008 and 2009, seed yields were not increased by the application of Quilt. Seed moisture at harvest was higher where fungicide was applied under no irrigation.