



## Fungicide Study on Corn – 2008

**Planted:** April 23, 2008  
**Harvested:** September 28, 2008  
**Soil Type:** Ipava Silt Loam  
**Population:** 36,000 seeds/A.  
**Rows:** Four 30" rows  
**Replications:** Three (averaged)

**Previous Crop:** Soybeans  
**Tillage:** Chisel  
**Herbicide:** Degree Xtra  
**Insecticide:** 1 pt. Govern  
**Fungicide:** Headline

RAINFALL	
April	1.88 in.
May	6.41 in.
June	4.44 in.
July	7.05 in.
August	<u>0.91 in.</u>
Total	20.69 in.

**Purpose:** To evaluate the performance of Headline fungicide at two different application times on BECK 5444VT3, BECK 5244VT3, BECK 5608VT3, BECK 6733HXR<sup>TM\*\*</sup>, BECK 5684VT3, and BECK 5555VT3. Fungicide treatments were made at the tassel growth stage and also at brown silk. All applications were made with a 6500 John Deere ground applicator at 10 gallons of water per acre.

Brand	Fungicide Application Timing	Bushels* Per Acre	Bu./A. Advantage	Net Return <sup>^</sup>	Fungicide Return <sup>^^</sup>
BECK 6733HXR <sup>TM**</sup>	Tassel	260.2	+6.1	\$1,276.00	+\$5.50
BECK 6733HXR <sup>TM**</sup>	None (Control)	254.1		\$1,270.50	
BECK 6733HXR <sup>TM**</sup>	Brown Silk	270.6	-1.0	\$1,328.00	-\$30.50
BECK 6733HXR <sup>TM**</sup>	None (Control)	271.7		\$1,358.50	
BECK 5244VT3	Tassel	233.8	+24.8	\$1,144.00	+\$99.00
BECK 5244VT3	None (Control)	209.0		\$1,045.00	
BECK 5244VT3	Brown Silk	256.8	+17.2	\$1,259.00	+\$61.00
BECK 5244VT3	None (Control)	239.6		\$1,198.00	
BECK 5444VT3	Tassel	235.7	+12.5	\$1,153.50	+\$37.50
BECK 5444VT3	None (Control)	223.2		\$1,116.00	
BECK 5444VT3	Brown Silk	265.2	+13.7	\$1,301.00	+\$43.50
BECK 5444VT3	None (Control)	251.5		\$1,257.50	
BECK 5684VT3	Tassel	242.8	+23.5	\$1,189.00	+\$92.50
BECK 5684VT3	None (Control)	219.3		\$1,096.50	
BECK 5684VT3	Brown Silk	259.5	+13.0	\$1,272.50	+\$40.00
BECK 5684VT3	None (Control)	246.5		\$1,232.50	
BECK 5608VT3	Tassel	233.7	+11.0	\$1,143.50	+\$30.00
BECK 5608VT3	None (Control)	222.7		\$1,113.50	
BECK 5608VT3	Brown Silk	234.9	+6.3	\$1,149.50	+\$6.50
BECK 5608VT3	None (Control)	228.6		\$1,143.00	
BECK 5555VT3	Tassel	236.2	+12.0	\$1,156.00	+\$34.50
BECK 5555VT3	None (Control)	224.3		\$1,121.50	
BECK 5555VT3	Brown Silk	254.5	+16.5	\$1,247.50	+\$57.00
BECK 5555VT3	None (Control)	<u>238.1</u>		\$1,190.50	
AVERAGE		243.4			

	Avg. Bushels Per Acre	Avg. Percent Moisture
Control	235.7	26.3
Headline	248.7	27.5

	Avg. Net Return <sup>^</sup>	Avg. Bu./A. Advantage
Tassel	\$49.83	15.0
Brown Silk	\$29.58	10.9

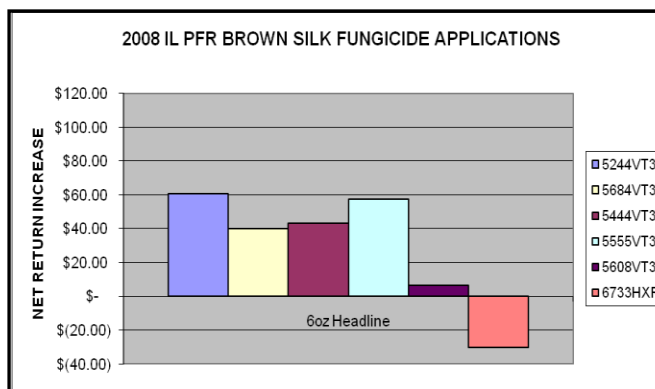
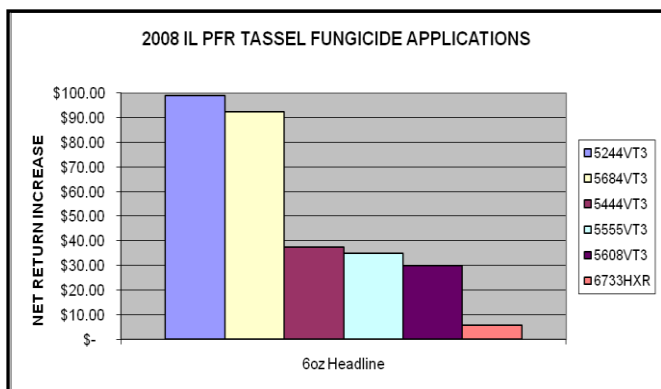
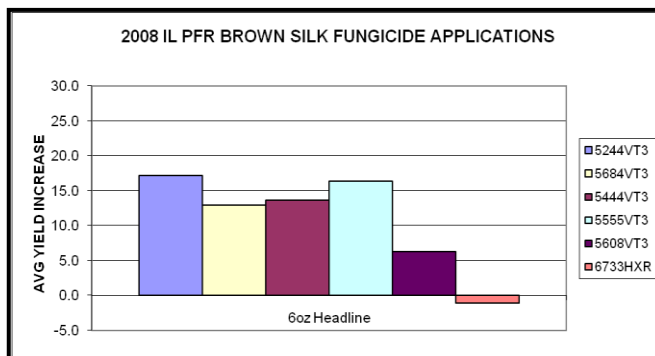
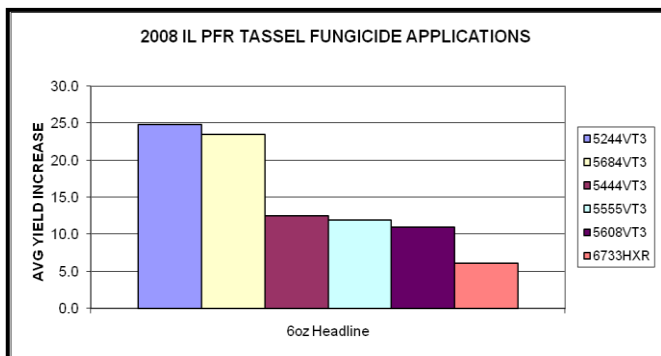
\*Bushels per acre corrected to 15% moisture.

\*\*XL Brand distributed by Beck's Superior Hybrids, Inc.

<sup>^</sup>Net Return = Bu./A. x \$5.00/Bu. Less \$25.00/A. (cost of Headline).

<sup>^^</sup>Fungicide Return = Net return for Fungicide Application minus Net Return for the Control.

# Fungicide Study on Corn – Continued



**Summary:** Headline fungicide applications overall increased yields by an average of 15 Bu./A. at the tassel growth stage and 10.9 Bu./A. with the brown silk treatment. For economic return, fungicide applications needed to yield an additional 5 Bu./A. In evaluating application timing, economic returns with Headline were \$49.95/A. at the tassel application and \$29.67/A. at the brown silk application.

BECK 5684VT3 and BECK 5244VT3 showed the highest response from fungicide treatments with yield increases of 23-24 Bu./A. at the tassel application to 13-17 Bu./A. at the brown silk application. BECK 5444VT3, BECK 5608VT3, and BECK 5555VT3 all showed nice yield increases of 6-16 Bu./A. averaging both application timings.

This study once again proves that knowing how corn hybrids respond to leaf diseases can help make timely and prudent management decisions to help determine which fields or hybrids need to be sprayed with a corn fungicide.



“I was very satisfied with the yield of all my Beck’s corn and soybeans. I think Beck’s offers a complete package of products and service for my farming operation. I like working with my farmer dealer who knows and tests the products. He provides local expertise and advice for my farm.”

Mark Roskamp  
Manito, IL