



## Fungicide Study on Corn – 2009

**Planted:** May 25, 2009  
**Harvested:** November 3, 2009  
**Population:** 34,000 seeds/A.  
**Rows:** Four 30" rows

**Previous Crop:** Soybeans  
**Tillage:** Chisel / Field Cultivator  
**Herbicide:** 1.75 pts. SureStart  
 32 oz. Credit Extra  
**Insecticide:** None  
**Fungicide:** 6 oz. Headline

RAINFALL	
April	10.0 in.
May	4.9 in.
June	4.6 in.
July	4.0 in.
August	<u>3.6 in.</u>
Total	27.1 in.

**Purpose:** To evaluate the performance of Headline fungicide on twelve corn hybrids currently available in BECK'S corn line-up. In this study we try to analyze fungicide performance on both corn hybrids that are susceptible to leaf diseases, as well as other hybrids whose plant health and defensive characteristics make them somewhat tolerant to leaf disease.

Fungicide treatments were made at the tassel growth stage with a 6500 John Deere ground applicator at 10 gallons of water per acre. No additives were used in this study with the fungicide.

Brand	Percent Moisture	Bushels <sup>†</sup> Per Acre	Yield Advantage vs. Untreated	Return on Investment <sup>^</sup>
<b><u>HEADLINE (Two Replications)</u></b>				
BECK 5454HXR™*	28.2	221.7	+19.5	\$48.30
BECK 5442VT3	26.0	250.0	+18.6	\$45.06
BECK 5244VT3	25.3	229.9	+15.1	\$32.46
BECK 5319A3	25.8	227.9	+12.6	\$23.46
BECK 5354HXR™*	26.9	228.1	+11.7	\$20.22
BECK 5676HXR™*	27.5	232.6	+10.9	\$17.34
BECK 5779VT3	26.6	242.1	+10.9	\$17.34
BECK 5135HXR™*	24.9	219.5	+4.0	-\$7.50
BECK 6733HXR™*	27.9	231.1	+2.7	-\$12.18
BECK 6363HXR™*	28.6	216.2	+2.7	-\$12.18
BECK 5716A3	28.2	211.4	+1.0	-\$18.30
BECK 5608VT3	<u>27.5</u>	<u>173.6</u>	<u>-0.4</u>	<u>-\$23.34</u>
AVERAGE	27.0	223.7	+9.1	\$10.89
<b><u>UNTREATED (One Replication)</u></b>				
BECK 5442VT3	23.9	231.4		
BECK 5779VT3	27.4	231.2		
BECK 6733HXR™*	26.0	228.4		
BECK 5676HXR™*	25.9	221.7		
BECK 5354HXR™*	25.4	216.4		
BECK 5135HXR™*	23.8	215.5		
BECK 5319A3	24.5	215.3		
BECK 5244VT3	24.3	214.8		
BECK 6363HXR™*	27.4	213.5		
BECK 5716A3	27.0	210.4		
BECK 5454HXR™*	25.7	202.2		
BECK 5608VT3	<u>26.5</u>	<u>174.0</u>		
AVERAGE	25.7	214.6		

<sup>†</sup>Bushels per acre corrected to 15% moisture.

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

<sup>^</sup>ROI based on the cost of Headline = \$16.40/A. Cost of application = \$5.50/A. Corn price based on \$3.60/Bu.



## Fungicide Study on Corn – Continued

**Summary:** Headline fungicide applications overall increased yields by an average of 9.1 Bu./A. with return on investment averaging \$10.89/A. For economic return, fungicide applications needed to yield an additional 6.08 Bu./A. Seven of the twelve hybrids applied with Headline did in fact bring economic returns and those corn hybrids averaged an additional 14.2 Bu./A. with returns at \$29.17/A.

Hybrids such as BECK 6733HXR™\*, 5716A3, 5135HXR™\*, and 6363HXR™\* are corn hybrids that have a “low fungicide response” rating in Beck’s product guide. These hybrids only showed a 2.6 Bu./A. yield response and consequently lost \$12.54/A.

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



**BECK'S**  
  
**HYBRIDS**

*Did You Know?*

Growers that purchase Headline  
 by Feb. 15, 2010 can receive a  
**\$100 per gallon rebate.**

**Headline**  
 fungicide

Visit [www.beckshybrids.com](http://www.beckshybrids.com) for more details.

Headline is a registered trademark of BASF.