

BECK'S Corn Fungicide Timing Study – 2010

Planted: April 15, 2010
Harvested: September 24, 2010
Rows: Four 30" rows
Population: 35,000 seeds/A.

Previous Crop: Soybeans
Tillage: Field Cultivator
Herbicide: 10 oz. Integrity
 32 oz. Gly Star Plus
Fungicide: 3 – 6 oz. Headline

RAINFALL	
April	2.9 in.
May	4.0 in.
June	8.7 in.
July	2.1 in.
August	1.8 in.
Total	19.5 in.

Purpose: To evaluate the effectiveness of Headline fungicide at various treatment timings. Treatments will consist of 3 oz of Headline at the V5 growth stage, 6 oz at full tassel (VT), and a combination of both treatments. Full tassel or VT applications are most commonly used in our marketing area. However, over the past year there has been a focus on reduced rate, early preventative fungicide applications at or near the V5 growth stage in conjunction with typical VT applications.

Treatment	Percent Moisture	Bushels [†] Per Acre	Bu./A. Difference	Return	Cost of Treatment	Net [^] Return	\$ Return Adv. +/- VT
BECK 5442VT3							
Control	21.1	236.4		\$ 898.32	\$ 0.00		
3 oz. Headline at V5	21.1	243.8	+7.4	\$ 918.24	\$ 8.20	\$ 19.92	-\$ 23.91
6 oz. Headline at VT	22.2	253.7	+17.3	\$ 942.15	\$ 21.91	\$ 43.83	
V5 + VT Combo	<u>21.9</u>	<u>252.3</u>	<u>+15.9</u>	\$ 923.63	\$ 30.11	\$ 30.31	<u>-\$ 13.52</u>
AVERAGE	21.6	246.6	+13.5				-\$ 18.72
BECK 6179VT3							
Control	20.0	229.4		\$ 871.72	\$ 0.00		
3 oz. Headline at V5	20.6	243.3	+13.9	\$ 916.34	\$ 8.20	\$ 44.62	-\$ 23.91
6 oz. Headline at VT	21.3	244.9	+23.8	\$ 900.51	\$ 21.91	\$ 68.53	
V5 + VT Combo	<u>21.1</u>	<u>253.2</u>	<u>+15.5</u>	\$ 940.25	\$ 30.11	\$ 28.79	<u>-\$ 39.74</u>
AVERAGE	20.8	242.7	+17.7				-\$ 31.83
BECK 6077HR™*							
Control	21.7	238.6		\$ 906.68	\$ 0.00		
3 oz. Headline at V5	21.5	239.5	+0.9	\$ 901.90	\$ 8.20	-\$ 4.78	-\$ 14.03
6 oz. Headline at VT	21.5	256.8	+8.2	\$ 915.93	\$ 21.91	\$ 9.25	
V5 + VT Combo	<u>21.3</u>	<u>247.4</u>	<u>+8.8</u>	\$ 910.01	\$ 30.11	\$ 3.33	<u>-\$ 5.92</u>
AVERAGE	21.5	245.6	+6.0				-\$ 9.98
BECK 6733HXR™*							
Control	23.4	258.1		\$ 980.78	\$ 0.00		
3 oz. Headline at V5	23.2	258.9	+0.8	\$ 975.62	\$ 8.20	-\$ 5.16	-\$ 6.43
6 oz. Headline at VT	23.3	264.2	+6.1	\$ 982.59	\$ 21.91	\$ 1.27	
V5 + VT Combo	<u>23.8</u>	<u>266.5</u>	<u>+8.4</u>	\$ 982.05	\$ 30.11	\$ 1.81	<u>\$ 0.54</u>
AVERAGE	23.4	261.9	+5.1				\$ 3.49

[†]Bushels per acre and test weight corrected to 15% moisture.
 *XL™ brand seed is distributed by Beck's Superior Hybrids, Inc. ™XL is a trademark of Pioneer Hi-Bred.
[^]Net Return is based on \$16.41/A. of Headline, application cost of \$5.50/A., \$3.80/Bu corn price.

Summary: Applications from this study averaged the following:



Treatment	Avg. Increase (Bu./A.)	Avg. Net Return
VT Tassel Applications of 6 oz. Headline:	13.9	\$ 30.91
V5 Applications of 3 oz. Headline:	5.8	\$ 13.84
V5 + VT Combination Treatment:	12.2	\$ 16.25

In conclusion, only one treatment timing offered additional return on investment over and above the standard full tassel (VT) applications of Headline. On average yield and net returns were increased from the use of early V5 applications.