

### 300 Bu. Attempt – 2009

**Planted:** May 11, 2009  
**Harvested:** November 3, 2009  
**Population:** 36,000 seeds/A.  
**Rows:** Eight 30" rows  
**Previous Crop:** Corn

**Tillage:** Chisel / Field Cultivator  
**Herbicide:** 1.75 pts. SureStart  
 26 oz. Roundup Original Max  
**Insecticide:** None  
**Fungicide:** 6 oz. Headline at VT

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 reach 300 bushel corn yields at the Illinois Practical Farm Research Center. This is our third year attempting to reach 300 bushel corn. This study evaluates six Beck corn hybrids with various rates of nitrogen and applications of Headline fungicide.

Brand	Nitrogen / Fungicide	Percent Moisture	Bushels <sup>†</sup> Per Acre	Headline Advantage Bu./A.	60# Extra N Advantage Bu./A.
BECK 5442VT3	240# N	25.9	281.4		
BECK 6733HXR™*	240# N	26.5	275.9		
BECK 5779VT3	240# N	27.2	271.2		
BECK 6363HXR™*	240# N	28.8	270.7		
BECK 5716A3	240# N	29.8	268.4		
BECK 5454HXR™*	240# N	<u>28.1</u>	<u>266.5</u>		
AVERAGE		27.7	272.4		
BECK 5442VT3	240# N with Headline	26.7	291.6	+10.2	
BECK 6733HXR™*	240# N with Headline	27.8	281.6	+5.7	
BECK 5779VT3	240# N with Headline	28.2	279.0	+7.8	
BECK 6363HXR™*	240# N with Headline	29.6	275.5	+4.8	
BECK 5454HXR™*	240# N with Headline	26.4	271.6	+5.1	
BECK 5716A3	240# N with Headline	<u>29.8</u>	<u>268.9</u>	<u>+0.5</u>	
AVERAGE		28.1	278.0	+5.7	
BECK 5442VT3	300# N	25.5	288.1		+6.7
BECK 6733HXR™*	300# N	28.2	282.8		+6.9
BECK 5779VT3	300# N	28.0	277.9		+6.7
BECK 6363HXR™*	300# N	28.2	271.4		+0.7
BECK 5716A3	300# N	28.6	273.2		+4.8
BECK 5454HXR™*	300# N	<u>26.9</u>	<u>271.9</u>		<u>+5.4</u>
AVERAGE		27.6	277.6		+5.2
BECK 5442VT3	300# N with Headline	27.2	297.7	+9.6	
BECK 6733HXR™*	300# N with Headline	28.5	292.5	+9.7	
BECK 5779VT3	300# N with Headline	29.1	287.7	+9.8	
BECK 6363HXR™*	300# N with Headline	29.3	279.3	+7.9	
BECK 5716A3	300# N with Headline	30.4	276.9	+3.7	
BECK 5454HXR™*	300# N with Headline	<u>27.7</u>	<u>277.9</u>	<u>+6.0</u>	
AVERAGE		28.7	285.3	+7.8	

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

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

**Summary:** This year's highest yield came from BECK 5442VT3 with a yield of 297.7 Bu./A. falling just short of our goal by only 2.3 Bu./A.! BECK 6733HXR™\* also fell just short of 300 Bu. by only 7.5 Bu./A. with a yield of 292.5.

Headline fungicide increased yields from 0.5 to 10.2 Bu./A. Increasing nitrogen rates an extra 60 lbs./A., in conjunction with Headline, increased fungicide response by an additional 2.1 Bu./A.

240 lbs. of nitrogen averaged 272.4 Bu./A. and increasing rates to 300 lbs./A. did increase yield, but by only 5.2 Bu./A.