

## BECK'S Advanced Hybrid Corn Plot in HP and MP Soils – 2008

**Location:** H3 plot (MP Soil)  
300-1, 2N plots (HP Soil)

**Planted:** April 23, 2008

**Harvested:** October 13, 2008

**Rows:** Two 30" rows

**Population:** 34,674 seeds/A.

**Insecticide:** None

**Previous Crop:** Soybeans

**Tillage:** H3 plot: Zone-Till  
300-1, 2N plots: Conventional-Till

**Herbicide:** 1.6 qts. Bicep II Magnum  
1 qt. Princep / 1.67 qts. Lexar  
6 oz. Stinger

In addition, H3 plot had 32 oz. Roundup Original Max

RAINFALL	
April	1.63 in.
May	4.91 in.
June	4.80 in.
July	3.50 in.
August	2.94 in.
<b>Total</b>	<b>17.78 in.</b>

**Purpose:** This study shows how our most popular hybrids as well as some leading experimental hybrids perform in **HP (Highly Productive)** and **MP (Medium Productive)** soil types.

Brand	Soil Type	Harvested Population	Test* Weight	Percent Broken Stalks	Percent Moisture	2008 Bushels* Per Acre	2008 Average Bu./A.*	Bu./A. Advantage In HP Soil*
BECK EX 0899	HP	33,000	59.9	7.6	17.2	284.0	229.6	+108.8
BECK EX 0899	MP	32,000	58.3	1.6	15.7	175.2		
BECK EX 0832	HP	31,500	59.6	12.7	19.0	281.4	226.7	+109.5
BECK EX 0832	MP	31,750	57.4	5.5	16.0	171.9		
BECK 6733HXR <sup>TM**</sup>	HP	33,000	61.4	0.0	21.0	271.9	220.0	+103.8
BECK 6733HXR <sup>TM**</sup>	MP	32,750	59.3	4.6	15.8	168.1		
BECK EX 9850	HP	31,000	57.4	1.6	18.6	270.4	215.6	+109.6
BECK EX 9850	MP	33,250	57.5	5.3	16.8	160.8		
BECK 5722HXR	HP	30,500	57.5	1.6	18.8	270.3	226.1	+88.4
BECK 5722HXR	MP	31,750	58.2	0.8	17.4	181.9		
BECK EX 1832	HP	31,000	59.9	0.0	17.2	267.7	216.9	+101.6
BECK EX 1832	MP	32,500	57.2	0.0	15.5	166.1		
BECK 8719 (5784RR Genetics)	HP	31,500	58.1	11.1	17.8	262.1	216.1	+92.0
BECK 8719 (5784RR Genetics)	MP	29,250	57.9	4.3	17.2	170.1		
BECK 5684VT3	HP	32,500	59.0	4.6	17.4	253.6	212.5	+82.3
BECK 5684VT3	MP	29,250	57.5	3.3	16.2	171.3		
BECK EX 1831	HP	34,500	58.6	1.4	19.0	248.2	210.1	+76.3
BECK EX 1831	MP	32,250	56.0	9.1	13.6	171.9		
BECK EX 0851	HP	32,000	60.0	0.0	18.8	244.6	212.5	+64.2
BECK EX 0851	MP	31,750	59.9	1.6	17.3	180.4		
BECK EX 1802	HP	31,500	61.9	3.2	21.0	244.5	206.4	+76.2
BECK EX 1802	MP	32,000	59.2	2.4	14.3	168.3		
BECK 5608VT3	HP	33,000	60.0	1.5	17.6	242.1	204.5	+75.2
BECK 5608VT3	MP	31,250	59.1	1.7	17.0	166.9		
BECK 5555VT3	HP	31,000	59.0	0.0	17.4	240.8	202.4	+76.8
BECK 5555VT3	MP	32,250	60.8	1.6	17.0	164.0		
BECK 5616VT3	HP	30,500	61.1	0.0	17.8	227.0	187.6	+78.8
BECK 5616VT3	MP	31,500	59.2	1.7	16.0	148.2		
BECK EX 0864	HP	32,000	60.3	1.6	17.0	226.8	188.6	+76.4
BECK EX 0864	MP	29,000	59.6	5.5	15.3	150.4		
BECK EX 0842	HP	32,000	59.4	1.6	18.6	225.1	195.8	+58.7
BECK EX 0842	MP	29,750	59.5	5.9	16.3	166.4		
BECK 5444VT3	HP	32,500	59.0	0.0	17.6	219.2	185.0	+68.4
BECK 5444VT3	MP	29,250	58.4	1.7	16.6	150.8		
BECK 5244VT3	HP	31,000	60.7	3.2	18.0	217.4	182.0	+70.9
BECK 5244VT3	MP	31,250	60.3	6.3	16.9	146.5		
BECK EX 8837	HP	31,500	59.1	7.9	17.8	206.9	182.6	+48.7
BECK EX 8837	MP	30,500	59.4	19.4	16.6	158.2		
<b>HP Soil Average</b>		<b>31,868</b>	<b>59.6</b>	<b>3.1</b>	<b>18.3</b>	<b>247.6</b>		
<b>MP Soil Average</b>		<b>31,224</b>	<b>58.7</b>	<b>4.3</b>	<b>16.2</b>	<b>165.1</b>		<b>&gt; 82.5 Bu./A. Difference</b>

\*Bushels per acre and test weight corrected to 15% moisture. Note: Some experimental hybrids were omitted due to limited space on this page.

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

**Summary:** Since 1999 when we began this study, yield differences between HP and MP soils have been a direct reflection of available moisture. In drier years, differences in the average yield range from 35 to 63 Bu./A. In years with normal or excess rainfall, an average of 20 Bu./A. separate the two soil types.

With 2007 being a year of less than average moisture, we saw a 56 Bu./A. difference between the two soil types.

This year, we saw the greatest difference in the history of this study with HP soils out-yielding MP soils by 82.5 Bu./A.