

BECK'S Advanced Hybrid Corn Plot in HP and MP Soils – 2009

Location:	H4 & H5 plots (MP Soil) 300-3, 4 (N) plots (HP Soil)	Previous Crop:	Soybeans
Planted:	May 23, 2009	Tillage:	H4,H5 plots: No-Till 300-3, 4 (N) plots: Conventional-Till
Harvested:	October 29, 2009	Herbicide:	2.3 qts. Bicep II Magnum 1 qt. Princep 4L 1 gal. 28% N
Rows:	Two 30" rows		
Population:	33,674 seeds/A.		
Insecticide:	Force on Non RW		In addition, H4, H5 plots had 32 oz. Durango

RAINFALL	
April	7.3 in.
May	4.5 in.
June	5.6 in.
July	2.3 in.
August	3.0 in.
Total	22.7 in.

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	2009 Bushels [†] Per Acre	2009 Average Bu./A. [†]	Bu./A. Advantage In HP Soil [†]
BECK EX 1915 ^{TM*}	HP	32,000	59.6	0.0	23.3	274.5	232.8	+83.4
BECK EX 1915 ^{TM*}	MP	33,250	58.1	0.0	25.5	191.1		
BECK 5442VT3	HP	34,500	55.0	4.3	22.8	269.2	223.6	+91.3
BECK 5442VT3	MP	34,000	58.2	2.9	23.7	177.9		
BECK EX 0932	HP	32,000	58.5	0.0	22.2	267.9	224.2	+87.4
BECK EX 0932	MP	34,000	58.1	0.0	23.9	180.5		
BECK 5435HXR ^{TM*}	HP	34,500	60.1	0.0	23.3	263.6	223.9	+79.5
BECK 5435HXR ^{TM*}	MP	33,500	58.2	0.0	23.5	184.1		
BECK EX 1811 (Beck 6288A3 Genetics)	HP	32,500	56.1	0.0	26.2	262.9	223.2	+79.5
BECK EX 1811 (Beck 6288A3 Genetics)	MP	33,000	58.0	0.8	24.9	183.4		
BECK 5354HXR ^{TM*}	HP	32,500	57.6	0.0	23.1	258.3	213.2	+90.3
BECK 5354HXR ^{TM*}	MP	33,500	58.5	0.0	24.5	168.0		
BECK 6733HXR ^{TM*}	HP	32,000	60.4	0.0	26.7	257.3	225.0	+64.6
BECK 6733HXR ^{TM*}	MP	34,250	58.0	1.5	23.0	192.7		
BECK EX 0926	HP	34,500	53.7	0.0	25.7	256.5	224.5	+64.1
BECK EX 0926	MP	31,250	58.3	0.0	22.4	192.4		
BECK 5335HXR ^{TM*}	HP	35,000	60.8	0.0	23.7	255.8	222.4	+66.9
BECK 5335HXR ^{TM*}	MP	32,750	58.1	0.0	23.0	188.9		
BECK EX 1921 ^{TM*}	HP	34,000	57.7	0.0	22.8	254.0	223.7	+60.7
BECK EX 1921 ^{TM*}	MP	35,000	58.6	0.0	24.6	193.3		
BECK 5779VT3	HP	35,000	57.1	0.0	26.0	253.6	217.7	+71.8
BECK 5779VT3	MP	30,750	58.2	0.9	23.3	181.8		
BECK EX 0979 ^{TM*}	HP	33,000	59.7	0.0	24.1	252.1	219.4	+65.5
BECK EX 0979 ^{TM*}	MP	32,750	58.2	0.0	22.0	186.6		
BECK 5444VT3	HP	33,500	55.8	1.5	23.4	252.0	218.6	+66.9
BECK 5444VT3	MP	33,500	58.0	0.0	23.0	185.1		
BECK EX 1908 ^{TM*}	HP	36,000	55.6	1.4	24.6	250.9	223.6	+54.7
BECK EX 1908 ^{TM*}	MP	33,250	58.2	0.0	24.0	196.2		
BECK 5716A3	HP	30,000	57.2	0.0	25.3	245.8	219.8	+52.0
BECK 5716A3	MP	31,500	58.1	0.0	23.7	193.8		
BECK 5244VT3	HP	36,000	56.0	1.4	20.9	240.9	210.0	+61.8
BECK 5244VT3	MP	33,500	58.6	1.5	25.7	179.1		
BECK 5676HXR ^{TM*}	HP	30,000	57.4	0.0	25.5	237.9	209.9	+56.0
BECK 5676HXR ^{TM*}	MP	31,500	58.1	0.8	24.1	181.9		
BECK EX 1909 ^{TM*}	HP	34,500	58.1	0.0	23.1	236.3	220.2	+32.2
BECK EX 1909 ^{TM*}	MP	34,250	58.2	0.0	24.6	204.1		
BECK 5454HXR ^{TM*}	HP	34,500	57.9	0.0	22.3	235.9	207.1	+57.6
BECK 5454HXR ^{TM*}	MP	34,250	58.4	1.4	24.4	178.3		
BECK 6363HXR ^{TM*}	HP	33,000	58.3	1.5	24.0	235.5	210.5	+50.0
BECK 6363HXR ^{TM*}	MP	35,000	58.1	0.0	24.3	185.5		
BECK 5135HXR ^{TM*}	HP	31,000	57.8	0.0	21.2	233.4	218.3	+30.3
BECK 5135HXR ^{TM*}	MP	32,750	58.4	0.0	25.3	203.1		
HP Soil Average		33,800	57.4	0.4	23.8	247.5	>61.5 Bu./A. Difference	
MP Soil Average		33,275	58.2	0.7	23.9	186.0	(includes hybrids not published in this report)	

[†]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 is 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 2008 being a year of less than average moisture, we saw a 82.5 Bu./A. difference between the two soil types. This year, we saw a yield difference of 61.5 Bu./A., which is closer to what we normally see in a year with less than normal rainfall. Because of the cooler temperatures, yields in the HP soils were exceptionally good, which made the yield difference greater than expected with the adequate rainfall we received.