

## Replant Study on Corn – 2010

**Planted:** Various  
**Harvested:** Various  
**Soil Type:** Ragsdale Silt Loam  
**Population:** Various  
**Rows:** Six 30" rows  
**Product Tested:** BECK 6733HXR™\*

**Previous Crop:** Corn  
**Tillage:** Disc Ripper / Field Cult.  
**Herbicide:** Pre: 1.5 qts. Harness Xtra  
                   1 lb. Atrazine  
                   Post: 32 oz. Cornerstone  
**Insecticide:** 6 oz. Artic

RAINFALL	
April	4.0 in.
May	3.1 in.
June	2.5 in.
July	2.5 in.
August	1.4 in.
Total	13.5 in.

**Purpose:** To replant or not to replant...that is the question. This study's purpose is to evaluate corn stands and determine whether or not it is profitable to replant. Replanting is a very tough decision for growers and this plot shows populations of corn at 20,000 seeds/A. versus 34,000 seeds/A. at various planting dates to show if replanting would have paid off given the low final populations.

Planting Date	Planting Population	Test <sup>†</sup> Weight	Percent Moisture	Bushels <sup>†</sup> Per Acre	Replant Advantage	\$ Net Return**	Additional \$/A.
April 2 (Normal 1 <sup>st</sup> planting)	34,000	59.1	24.3	235.3		\$ 806.61	
April 2	20,000	57.9	24.3	193.6		\$ 663.66	
April 6 (Replanted)	34,000	59.1	20.7	235.0	+41.4	\$ 814.42	+\$ 150.76
April 6	20,000	58.9	20.7	190.3		\$ 679.75	
April 13 (Replanted)	34,000	60.1	22.0	248.6	+58.3	\$ 850.07	+\$ 170.32
April 13	20,000	60.8	22.0	174.0		\$ 612.48	
April 20 (Replanted)	34,000	60.1	24.6	234.4	+60.4	\$ 775.71	+\$ 163.23
April 20	20,000	60.5	25.1	193.4		\$ 656.79	
April 30 (Replanted)	34,000	60.0	21.9	216.8	+23.4	\$ 739.00	+\$ 82.22
April 30	20,000	59.7	21.9	182.7		\$ 643.83	
May 10 (Replanted)	34,000	60.7	24.1	227.2	+44.5	\$ 755.66	+\$ 111.82
May 10	20,000	60.0	24.1	196.0		\$ 673.46	
May 19 (Replanted)	34,000	60.6	21.8	197.2	+1.2	\$ 670.72	-\$ 2.73
May 19	20,000	60.3	21.9	174.7		\$ 615.64	
May 29 (Replanted)	34,000	60.1	25.2	155.0	-19.7	\$ 500.76	-\$ 114.88

<sup>†</sup>Bushels per acre and test weight corrected to 15% moisture. \*\* Factor in drying costs and other replant costs of \$25.00/A.

\* XL™ brand seed is distributed by Beck's Superior Hybrids, Inc.   ™XL is a trademark of Pioneer Hi-Bred.

**Summary:** This year's replant study is a good reflection of yield losses that growers experienced from delayed planting in the southern marketing area this 2010. The extreme heat present during pollination and throughout grain fill led to many ears with scattered grains and low kernel weights in corn planted after the first ten days of May. This is reflected in the lower yields that were recorded from the corn replanted on May 19<sup>th</sup> and 29<sup>th</sup>. Therefore, it was more profitable to keep a 20,000 final stand planted on May 10<sup>th</sup> and May 19<sup>th</sup> in 2010 than it was to replant those acres.

