

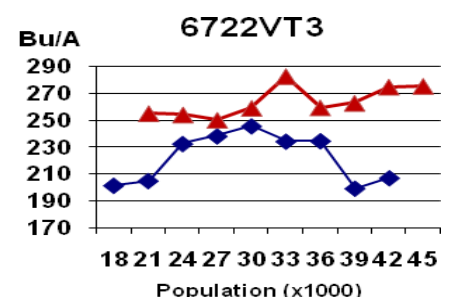
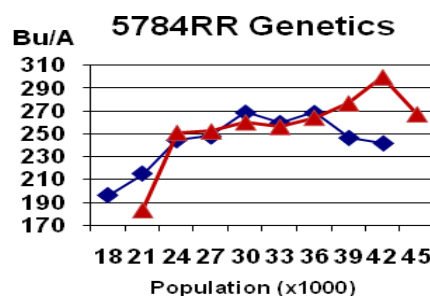
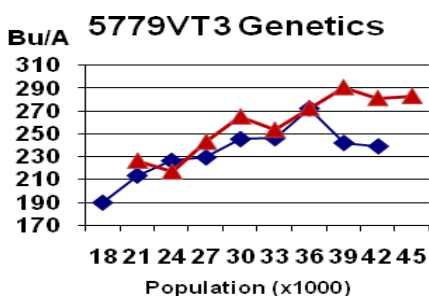
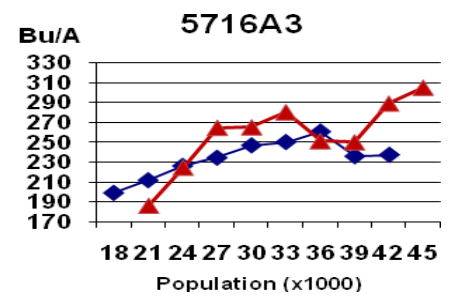
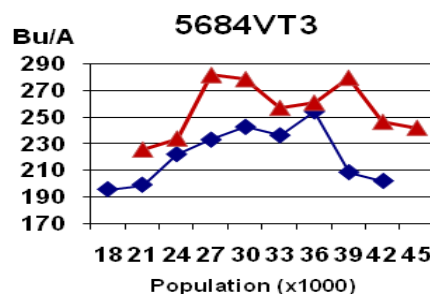
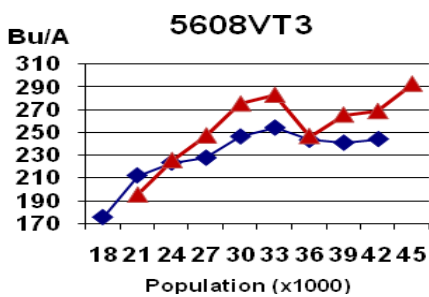
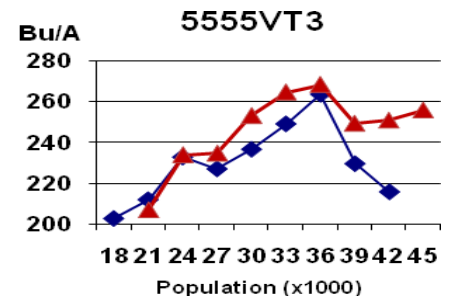
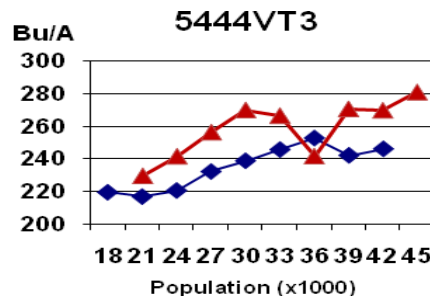
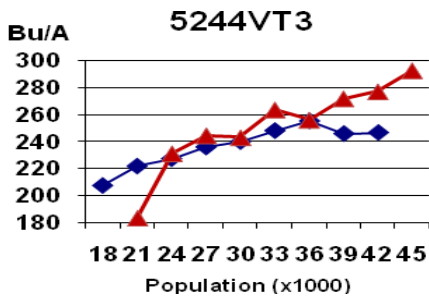
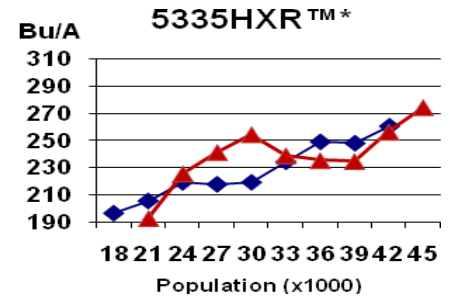
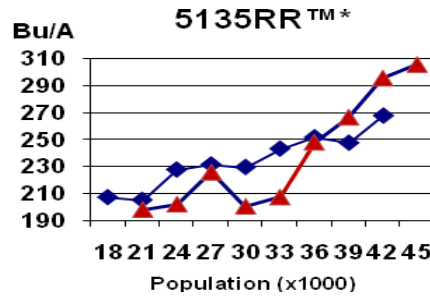
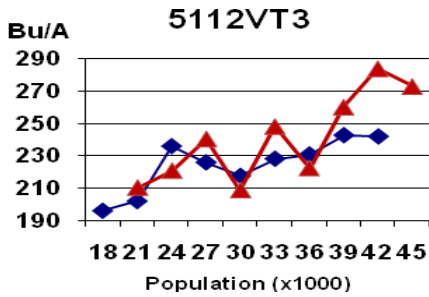
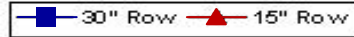
# BECK'S 15" vs. 30" Row Corn Population Study - 2008

**Location:** F1 plot  
**Planted:** May 22, 2008  
**Harvested:** October 18, 2008  
**Rows:** Five 15" rows  
 Two 30" rows  
**Population:** Various  
**Soil Type:** Crosby

**Previous Crop:** Soybeans  
**Tillage:** V-Rip / S-tine  
**Herbicide:** PPI: 1.6 qts. Bicep II Magnum  
 1 qt. Princep  
 Post: 1.67 qts. Lexar / 6 oz. Stinger  
**Insecticide:** Force

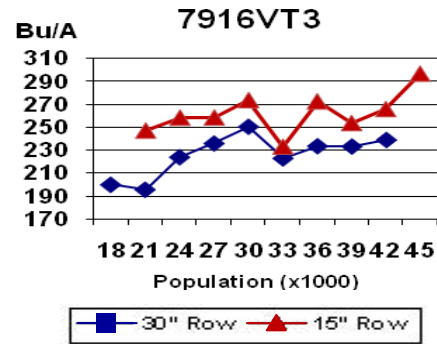
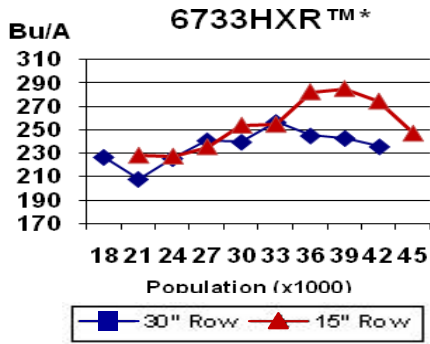
RAINFALL	
April	1.63 in.
May	4.91 in.
June	4.80 in.
July	3.50 in.
August	2.94 in.
Total	17.78 in.

**Purpose:** An increasing number of farmers have shown an interest in 15" corn rows. This study compares fourteen hybrids in 15" and 30" row spacing at populations ranging from 18,000 to 45,000 to determine the performance difference between 15" and 30" rows and to provide hybrid specific data for farmers planting Beck products in 15" rows.



TM\* - XL Brand is distributed by Beck's Superior Hybrids.

# BECK'S 15" vs. 30" Row Corn Population Study – Cont.



## Analysis by Population

Population	Row Spacing	Test Weight	% Root Lodging	% Stalk Lodging	% Moisture	Bu./A.	15" Row Advantage
18,000	30"	57.3	0.0	0.3	19.7	199.3	
21,000	30"	57.3	0.6	0.9	20.0	208.5	
	15"	58.2	0.0	0.8	18.3	212.1	+3.6
24,000	30"	57.5	0.2	0.7	19.4	228.4	
	15"	57.8	0.9	1.1	19.0	230.2	+1.8
27,000	30"	57.6	0.3	1.4	19.5	233.3	
	15"	57.5	0.2	0.8	19.7	247.9	+14.6
30,000	30"	56.9	0.7	1.6	20.8	241.0	
	15"	57.4	1.3	0.9	20.1	253.8	+12.8
33,000	30"	57.2	1.1	3.2	19.9	244.1	
	15"	57.5	2.5	1.5	19.9	256.7	+12.6
36,000	30"	57.6	1.8	3.6	19.2	250.9	
	15"	57.4	3.1	2.7	20.0	257.0	+6.1
39,000	30"	58.1	2.6	12.4	18.3	235.9	
	15"	56.7	2.7	1.3	21.4	266.3	+30.4
42,000	30"	58.5	1.6	11.1	17.8	238.1	
	15"	57.1	2.5	2.0	20.4	274.9	+36.8
45,000	15"	57.4	1.4	1.2	19.7	279.1	
OVERALL AVG. FOR POPS. IN COMMON (21,000-42,000)	30"	57.6	1.1	4.4	19.4	235.0	
	15"	57.4	1.6	1.4	19.9	249.9	+14.9

**Population Summary:**

We planted eight populations in common in 15" and 30" rows (21,000-42,000). The trend line yield across both 15" and 30" rows is definitely going up as populations are increased. The 15" rows had a 14.9 Bu./A. advantage over the 30" rows in this years study. Stalk lodging was more prevalent at higher populations in the 30" rows.

**Summary for 15" Rows:**

The averages of all of the hybrids trended up as populations were increased. The 15" rows not only outcompeted the 30" rows at all populations but the differences grew larger as the populations increased.

**Summary for 30" Rows:**

The 30" rows trended up in yield at higher populations as well. Only at the highest two populations (39,000 and 42,000) did the yields level off, however these two populations still outperformed populations from 18,000 to 27,000. Results from 2005 showed an advantage for 30" rows at all populations in common with the 15" rows.

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