

## BECK'S Twin Row vs. 20" vs. 30" Width / Population Study – 2010

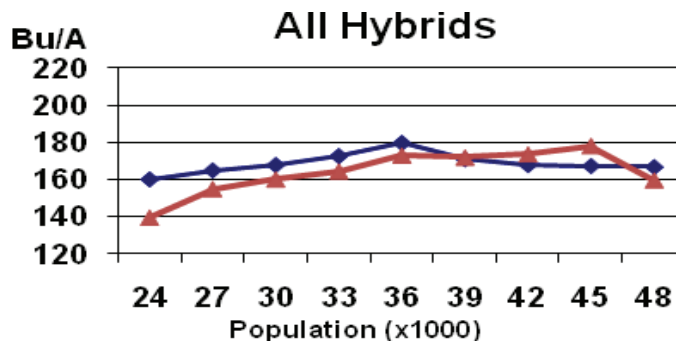
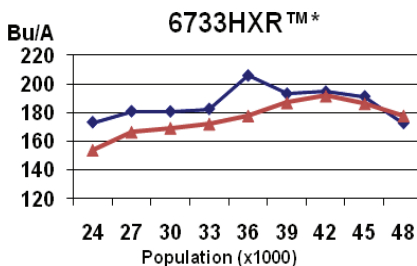
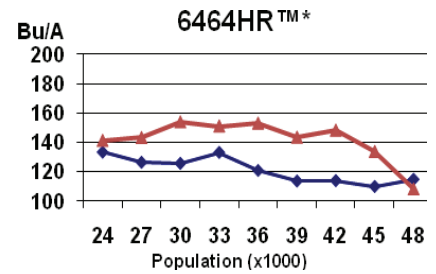
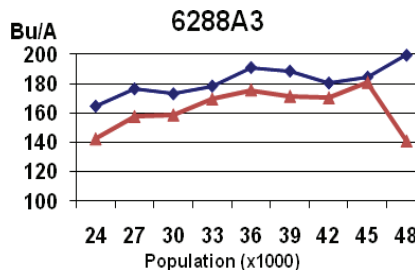
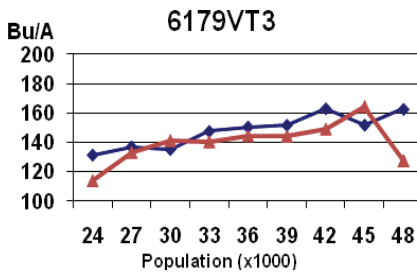
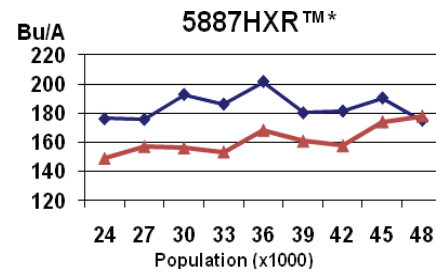
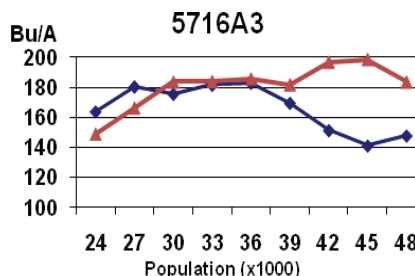
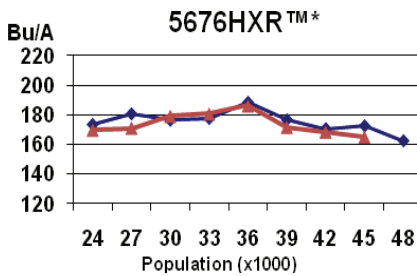
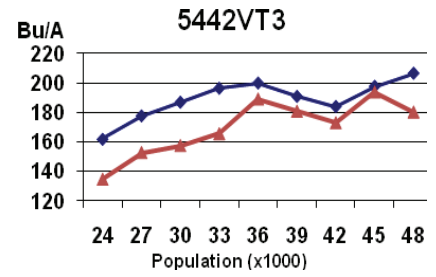
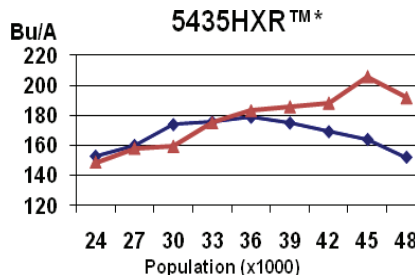
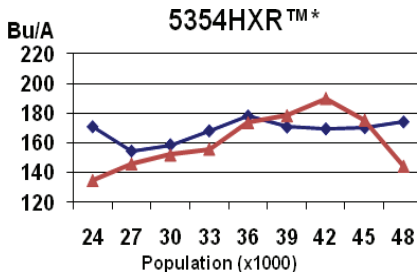
**Planted:** April 20, 2010  
**Harvested:** September 18, 2010  
**Population:** Various  
**Rows:** Two 30" rows  
**Soil Type:** Silty Clay Loam

**Previous Crop:** Soybeans  
**Tillage:** Field Cultivator  
**Herbicide:** 10 oz. Integrity  
 32 oz. Glyphos Extra

RAINFALL	
April	2.9 in.
May	4.0 in.
June	8.7 in.
July	2.1 in.
August	1.8 in.
<b>Total</b>	<b>19.5 in.</b>

**Purpose:** To evaluate 20" and 30" row widths with final populations of 24,000 to 48,000 across ten hybrids, and twin rows with final populations of 24,000 to 48,000 across three hybrids that were in the 20" and 30" study.

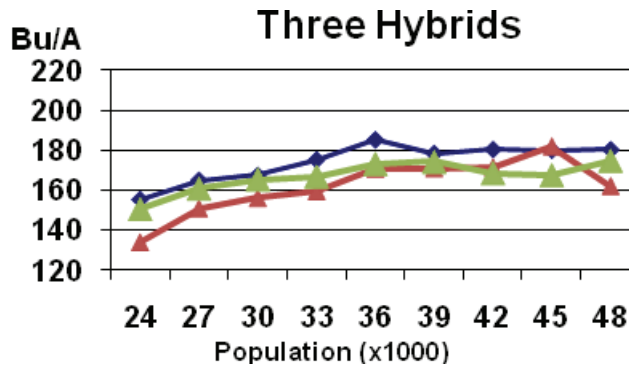
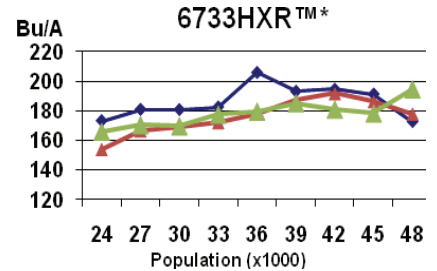
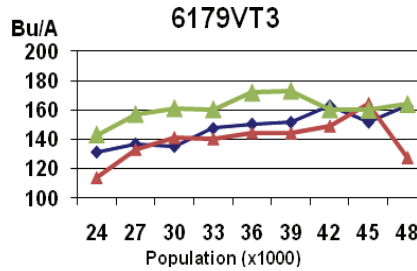
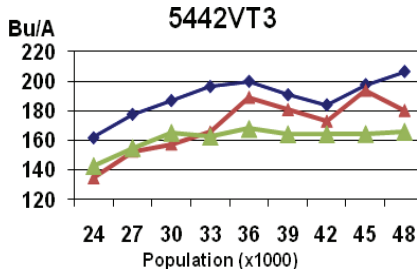
◆ 30" row    ▲ 20" row



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## BECK'S Twin Row vs. 20" vs. 30" Width / Population Study – Continued

◆ 30" row    ▲ 20" row    ▲ Twin row



**Summary for 20" vs. 30" Rows:**

The graphs on the previous page show ten different hybrids planted at 24,000 to 48,000 populations in both 20" and 30" rows. In this study the 30" rows averaged 168.7 Bu./A across all populations and the maximum yield level came in at 36,000 final stand. The 20" rows averaged 164.1 Bu./A across all populations and the maximum yield level came in at 45,000. While the 30" rows yielded 4.3 Bu./A more across the entire study, the 20" rows saw their maximum yield at 45,000 final stand and showed a much higher advantage in trend line yield at the higher populations. The data in this one study would suggest that 20" rows may show advantages in being able to take populations to higher levels in order to maximize yields across entire farms.

**Summary for 20" vs. 30" vs. Twin Rows:**

The graphs at the top of this page show three hybrids planted at 24,000 to 48,000 populations in 20" rows, 30" rows, and Twin rows. Twin rows are based on 30" row spacing; however the planter places two twin rows 8" apart (each 4" off center of a 30" row). The average yield of the three products tested in 30" rows was 174.3 Bu./A, while the 20" rows yielded 161.9 Bu./A, and the Twin rows yielded 167.0 Bu./A. Once again, 20" rows showed the greatest trend towards increasing yields at higher populations. Twin rows and 30" rows showed very similar trends with 30" rows actually holding a slight advantage at the higher populations.

The populations in all planter configurations (20", 30", and Twin) are final stands on medium-high productivity soils. In general, you should slightly reduce populations in soils with less productivity. Please refer to our population studies from all of our PFR locations, as well as our 2011 Company Profile and Product Guide, to decide the optimum population range for each hybrid.