



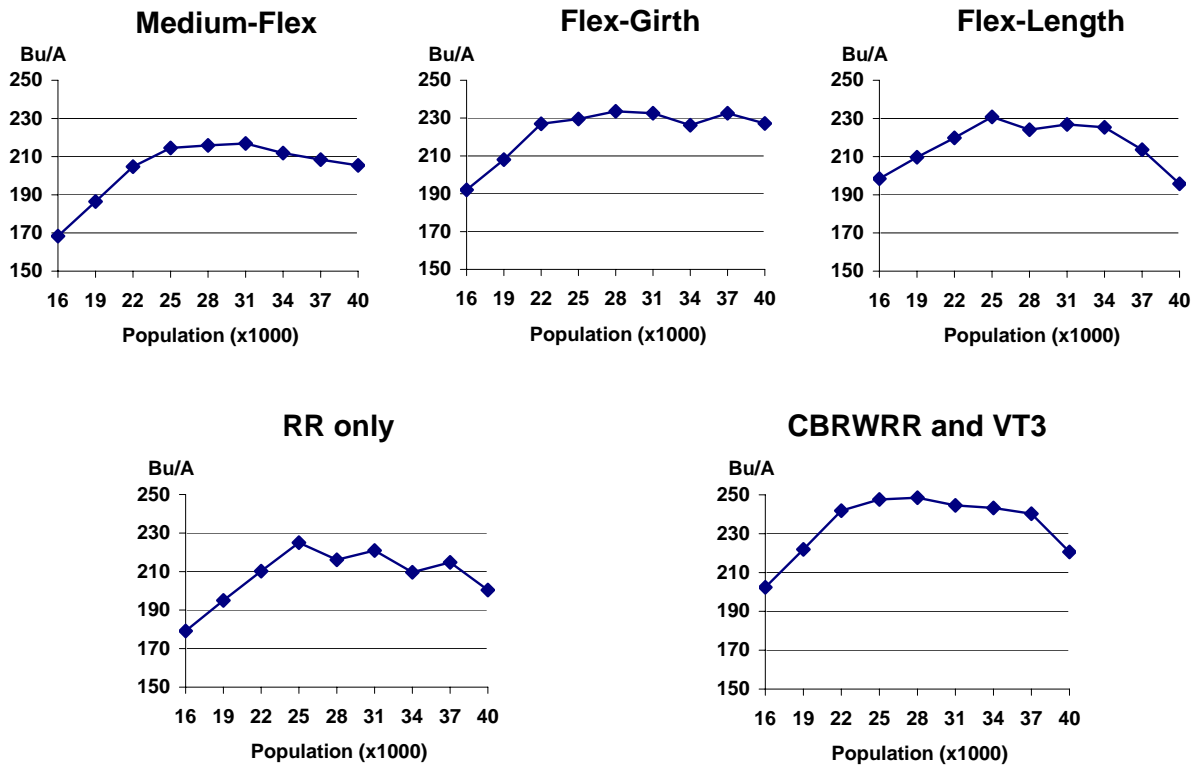
Corn Population Study - 2007

Planted: May 7, 2007
Harvested: September 12, 2007
Rows: Two 30" rows
Replications: Two (averaged)
Soil Type: Ragsdale Silt Loam

Previous Crop: Soybeans
Tillage: Disc Ripper / Field Cultivator
Herbicide: Bicep II Magnum
 Roundup Original Max
Insecticide: Artic

RAINFALL	
April	3.08 in.
May	3.17 in.
June	2.97 in.
July	1.24 in.
August	0.72 in.
Total	11.18 in.

Purpose: One key management decision to maximize return per acre is choosing the correct population for each hybrid for a given soil type. This study shows how nine of our hybrids respond to various populations. The final stand populations range from 16,000 to 40,000 plants per acre in increments of 3,000 plants per acre. We also had three direct comparisons between hybrids containing the Roundup Ready® gene only versus their CBRWRR or VT3 versions. The graphs below show data on three groups of hybrids with different ear types and the Roundup Ready only graph compared to the CBRWRR and VT3 graph.



Summary: The top three graphs represent different hybrid types for ear flex. BECK 5616RR for example, is a medium-flex type and these products show the largest yield response to increasing populations. BECK 5444VT3 for example, is a flex-girth product that has more flex potential at lower populations than the medium-flex group while continuing to add yield at the higher populations. The third category, has flex-length potential (BECK 6722CBRWRR for example) and the ability to compensate the most at low populations and overall does not show as much benefit to increasing populations to the highest levels. These results coincide very closely to our results in Atlanta IN, however in Atlanta, the yields didn't decline as rapidly at the highest populations.

The bottom two graphs show data from two different systems. The insect protected system (CBRWRR and VT3) showed a higher yield at every population in the study vs. the RR only system. This warrants the use of Triple Stack corn in the southern portion of Beck's Marketing area.