

BECK'S 300 Bu. Attempt (continued) – 2004

Summary: While this year's attempt at 300 bushels per acre fell short of the 300 bushel mark, the corn after bean test produced the second highest plot average in this fourteen year study (252.7 Bu./A.). The highest average came from 1994 (259.1 Bu./A.), the year we reached 308 Bu./A. We anticipated even higher yields this year given the fertility program, early planting date, and favorable weather throughout the growing season. One characteristic we noticed in this year's plot was the consistent ear size, even at the higher population of 33,000 final stand.

BECK'S Technology Trait & Early Plant Corn (EPC) Study - 2004

Location: A3 N. plot
Planted: April 14, 2004
Harvested: September 20, 2004
Rows: Four 30" rows
Population: 27,818 seeds/A.
Soil Type: Crosby / Miami

Previous Crop: Corn
Tillage: V-Rip / S-tine
Herbicide: PPI: 2.3 qts. Bicep II Magnum
 1.0 qt. Princep
 Post: 3 oz. Callisto / 1 qt. Aatrex /
 3 oz. Hornet
Insecticide: Aztec on non RW (except where noted.)

RAINFALL	
April	1.2 in.
May	5.2 in.
June	7.4 in.
July	2.8 in.
August	3.5 in.
Total	20.1 in.

Purpose: We designed this one rep. demonstration plot to showcase the many different trait versions of our popular 5322 hybrid. The plot exhibits both traits and trait stacks that are 1) currently being offered, 2) traits that are offered but final sale is pending Japanese approval, and 3) traits that are available, but currently not offered by Beck's.

We are also demonstrating the use of Intellicoat Early Plant[®] corn technology along with a trait. Utilizing stacked traits such as YieldGard Rootworm and YieldGard Corn Borer with the Early Plant technology eliminates the need for insecticides for corn borer control and removes the concern of granular insecticides that fail due to early application on an early planting date.

Yield Rank	Brand-Hybrid	Harvested Population	Test Weight	Percent Broken Stalks	Percent Moisture	Bushels* Per Acre
1	BECK 5322CB - EPC	26,500	54.9	0.0	25.4	242.9
2	BECK 5322CBRWRR**	27,000	55.6	0.0	24.1	238.8
3	BECK 5322CBRWRR [‡]	28,000	55.1	0.0	25.2	237.9
4	BECK 5322RW with Aztec	28,500	55.4	0.0	24.3	235.8
5	BECK 5322	29,000	55.0	0.0	24.6	234.8
6	BECK 5388RR	29,000	55.0	0.0	24.4	234.7
7	BECK 5322RWRR***	29,000	55.3	0.0	24.4	234.5
8	BECK 5322CB	28,000	55.4	0.0	25.5	234.2
9	BECK 5322	25,500	55.5	0.0	24.4	228.8
10	BECK 5322CBRW	27,500	55.3	0.0	25.0	226.4
11	BECK 5399CBRR	27,000	54.9	0.0	25.1	225.1
	AVERAGE	27,727	55.2	0.0	24.8	234.0

*Bushels per acre corrected to 15% moisture.

**Sale of 5322CBRWRR is pending Japan approval.

[‡]Alternate version of 5322CBRWRR.

*** Not currently offered for sale.

Summary: This small test strip does not provide sufficient information for determining actual yield differences, but it does provide a good visual observation area for looking at plant characteristics that may vary. One of the consistent differences occurs in the corn borer single trait or stacked trait hybrids: the corn borer versions are 0.5% to 1.0% higher moisture than the hybrids without the corn borer trait in nearly every example. The lack of feeding sites from corn borers reduces diseases from entering the plant, thereby providing a healthier plant longer in the season.

