

Irrigated corn variety performance trial at Burlington¹ in 2006.

Hybrid	Yield	Grain Moisture	Test Weight	Plant Height	Density	Lodging	Ear Drop
	bu/ac	%	lb/bu	in	plants/ac	%	%
Fontanelle 8K389 (YG/RR2)	251.9	18.2	56.1	86	30600	0.4	0.4
NK Brand N68-B8 (Bt/LL)	240.0	18.4	55.0	74	30007	1.4	0.4
DEKALB DKC60-18 (RR2/YGPL)	228.9	16.8	57.6	81	30803	2.4	0.3
Dyna-Gro 56P07 (RR/YGCB)	228.0	16.7	57.6	82	29799	2.2	0.0
NK Brand N70-C7 (GT/Bt/LL)	227.4	18.7	55.9	84	29247	3.5	0.0
DEKALB DKC64-81 (YGCB)	226.7	19.3	56.2	81	30596	2.4	1.3
Dyna-Gro 57P93 (RR/YGCB)	224.5	18.6	55.7	80	30124	3.6	1.7
Dyna-Gro 57P46 (RR/YGCB)	222.6	17.7	56.0	86	29208	2.6	1.1
NK Brand N67-D6 (GT/Bt/LL)	221.7	18.2	55.3	78	31050	4.0	1.0
Fontanelle 7951 (YGCB)	221.4	18.4	54.5	90	29245	2.2	0.4
Dyna-Gro 57F37 (YGCB)	221.1	17.7	57.0	87	30153	6.9	2.2
Producers Hybrids 7361 (YGCB)	219.0	19.5	54.6	89	30775	4.9	1.7
LG Seeds LG 2619 (BT/RR)	218.8	17.2	56.9	79	31633	1.7	0.0
DEKALB DKC61-68 (RR2/YGRW)	218.1	17.0	56.6	89	29732	3.5	1.1
Dyna-Gro 57X97 (HXI/LL)	217.2	19.1	54.3	87	30181	10.3	3.8
DEKALB DKC58-19 (RR2)	217.0	15.6	57.1	84	30651	1.4	4.6
NK Brand N72-B2 (Bt/LL)	215.3	17.2	56.2	85	28992	3.8	1.1
Dyna-Gro 57P69 (YGCB/RR)	213.8	18.0	55.5	88	30907	5.7	1.0
NK Brand NX6965 (GT)	213.0	16.7	58.1	87	30907	2.0	1.7
DEKALB DKC54-46 (RR2/YGPL)	211.1	14.5	58.9	88	30285	1.4	0.0
NK Brand NX5995 (Bt/LL)	211.1	17.2	53.7	84	29837	2.2	1.1
Producers Hybrids 7373 (YGCB/RR)	210.9	20.6	53.7	88	30907	5.0	1.3
DEKALB DKC52-40 (RR2/YGPL)	209.2	14.5	57.9	87	30256	0.7	0.0
ASGROW RX655 (RR2)	208.1	16.3	59.4	80	30077	2.1	3.2
Producers Hybrids 7073 (YGCB)	207.4	16.2	55.6	82	29955	3.5	1.4
LG Seeds LG 2600 (BT)	204.8	16.7	54.7	82	30285	5.4	3.1
Dyna-Gro 57F06 (YGCB)	203.3	16.6	55.9	90	30803	1.0	2.7
Mycogen 2P722 (HXI)	201.2	17.1	55.5	81	28550	1.1	1.1
Fontanelle 6N523 (YGCB/RR)	199.1	15.4	59.0	83	29134	2.0	1.2
Mycogen 2K717 (HXI)	197.4	20.6	54.0	81	29486	2.5	0.7
Dyna-Gro 56P22 (RR/YGCB)	195.5	15.5	58.5	80	30627	1.0	1.4
Mycogen 2T780 (HXI)	192.1	19.0	55.1	86	30982	4.4	1.4
Triumph 1416 (BT/YGCB)	190.1	18.0	55.1	87	29467	1.8	1.1
NK Brand N76-D3 (Bt/LL)	184.7	20.7	53.6	77	30492	3.5	0.7
Average	213.9	17.6	56.1	84	30169	3.0	1.3
LSD _(0.30)	19.0						

¹Trial conducted on the Don Sircy farm; seeded 4/29 and harvested 11/14.

*Excellent growing conditions; dry soil at planting time; poor emergence until water applied 2 weeks later; two dates of emergence.

Site Information

Plot Size: 5' x 28' with 30" row spacing; conventional till

Experimental Design: randomized complete block, 3 replications

Seeding Rate: approximately 34,000 seeds/acre

Previous Crop: pinto beans

Irrigation: sprinkler

Growing Degree Days: 2834 (2006 GDD); 2673 (Long Term Ave GDD)

Soil Type: Weld silt loam

Fertilization: 200 lbs N acre⁻¹; 20 lbs P₂O₅ acre⁻¹; 10 lbs K₂O acre⁻¹; 2 lbs Zn acre⁻¹

Herbicide: Marksman

Bactericide: none

Insecticide: none

2-yr average irrigated corn variety performance at Burlington in 2005-06.

Hybrid	Grain		Test
	Yield	Moisture	Weight
	bu/ac	%	lb/bu
Dyna-Gro 57P93 (RR/YGCB)	213	20.7	55.8
Dyna-Gro 57P46 (RR/YGCB)	211	18.8	55.9
Fontanelle 7951 (YGCB)	210	18.5	55.2
Dyna-Gro 57P69 (YGCB/RR)	201	17.9	55.8
Triumph 1416 (BT/YGCB)	198	17.4	55.6
Average	206	18.7	55.7