

Irrigated corn variety performance trial at Rocky Ford¹ in 2006.

Hybrid	Grain		Test	Plant		Lodging	Silking ²
	Yield	Moisture	Weight	Height	Density		
	bu/ac	%	lb/bu	in	plants/ac	%	date
Triumph 1536CbRR (YGCB/RR)	241.3	17.4	55.5	88	28949	5.7	196
Mycogen 2T828 (YGCB/LG/RW/RR)	235.7	18.3	55.7	91	29857	4.9	197
Producers Hybrids 7373 (YGCB/BT/RR)	235.2	17.4	56.0	92	28768	2.9	196
Producers Hybrids 7361 (YGCB/BT)	232.4	18.0	55.6	90	28949	1.7	194
Crows 7532Z (BT/RR)	229.7	16.5	57.0	88	29040	0.9	195
NK Brand N68-B8 (Bt/LL)	228.3	15.7	56.2	84	28314	7.9	195
Mycogen 2T780 (HXI)	227.6	16.2	55.7	93	27951	4.1	197
NK Brand N76-D3 (Bt/LL)	219.1	17.5	56.0	87	27225	4.1	198
Dyna-Gro 57P93 (YGCB/RR)	217.4	17.0	56.1	88	25410	1.3	198
NK Brand N72-B2 (Bt/LL)	214.3	16.3	56.1	90	28496	2.7	197
Triumph 1756CbRR (YGCB/RR)	213.2	18.1	54.0	92	28586	13.9	199
Producers Hybrids 7073 (YGCB/BT)	211.9	14.6	56.5	81	26045	0.4	194
NK Brand N67-D6 (GT/Bt/LL)	211.5	16.2	56.6	85	28859	0.6	192
NK Brand N70-C7 (GT/Bt/LL)	204.5	17.0	55.9	87	27497	5.4	193
Average	223.0	16.9	55.9	88	28139	4.0	196
LSD _(0.30)	16.5						

¹Trial conducted at the Arkansas Valley Research Center; seeded 4/27 and harvested 11/1 and 11/2.

²Julian date, 70% silking.

Site Information

Plot Size: 5' x 32' with 30" row spacing

Experimental Design: randomized complete block, 3 replications

Seeding Rate: 32,000 to 33,000 seeds/acre

Previous Crop: onions

Irrigation: furrow

Growing Degree Days: 2948 (2006 GDD); 2837 (Long Term Ave GDD)

Soil Type: Rocky Ford silty clay (fine-silty, mixed, calcareous, mesic Ustic Torriorthents)

Fertilization: 200 lbs of 11-52-0 acre⁻¹; 300 lbs Urea (46-0-0) acre⁻¹

Herbicide: Dual II Magnum at 1.43 ai/acre plus glyphosate at 1.0 lb ai/acre in 18 gal/a

Bactericide: none other than as seed treatment

Insecticide: none other than as seed treatment

2-yr irrigated corn variety performance at Rocky Ford in 2005-06.

Hybrid	Grain		Test
	Yield	Moisture	Weight
	bu/ac	%	lb/bu
Triumph 1536CbRR (YGCB/RR)	222	19.7	56.5
Producers Hybrids 7361 (YGCB/BT)	221	18.8	56.2
Producers Hybrids 7373 (YGCB/BT/RR)	217	18.3	56.7
Dyna-Gro 57P93 (YGCB/RR)	216	17.9	56.6
Mycogen 2T780 (HXI)	209	18.4	56.2
Average	217	18.6	56.4