

Piedmont Region

Griffin, Georgia:

Short-Season Corn Hybrid Performance, 2004, Irrigated

Company or Brand Name	Hybrid Name	Yield ¹			Ears/100 Plants	Ear Grain Weight	Grain Quality ²	Grain Moist. ³	Plant Pop.	Erect Plants
		2004	2-Year Avg	3-Year Avg						
		----- bu/acre	-----	-----	no.	lb	rating	%	no.	%
Terral	TV2140	258.9	260.8	.	114	0.48	1.6	22.4	28919	98
Hytest	7799Bt	250.5	.	.	108	0.53	2.0	22.6	26862	98
Pioneer	33M54	246.5	252.8	.	116	0.44	1.9	21.9	29403	100
Terral	TV2140nRR	245.1	254.5	237.8	112	0.45	1.5	23.1	30008	99
AgraTech	755RRBt	237.0	.	.	118	0.44	2.3	23.1	28798	100
Terral	TV2130	234.9	231.2	.	114	0.42	1.5	20.9	29766	100
Terral	TV26BR10n	233.7	236.8	230.6	113	0.42	1.9	21.6	29887	100
DeKalb	DKC63-52(RR2/YGCB)	233.2	.	.	108	0.44	2.5	21.5	30129	100
Croplan Genetics	691LL/Bt	232.3	238.5	.	100	0.47	2.3	22.0	29887	100
Vigoro	V56Y51	228.1	.	.	112	0.42	2.0	20.8	29040	100
Terral	TV2160Bt	228.0	251.7	242.7	117	0.42	1.6	21.8	29040	100
Hytest	7806Bt/RR	227.5	.	.	111	0.43	1.5	22.5	29766	100
Golden Acres	8112	225.7	251.9	.	111	0.44	1.9	21.8	29403	100
NK	1851W	224.2	232.1	225.2	113	0.42	1.3	24.2	29645	97
<i>Average</i>		236.1 ⁴	245.6	234.1	112	0.44	1.8	22.1	29325	99
<i>LSD at 10% Level</i>		15.6	N.S. ⁵	N.S.	N.S.	0.06	0.5	0.6	N.S.	N.S.
<i>Std. Err. of Entry Mean</i>		6.6	6.6	5.8	6	0.02	0.2	0.3	742	1

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 5.6%, and df for EMS = 39.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: April 2, 2004.
 Harvested: August 24, 2004.
 Seeding Rate: 31,000 seeds/acre in 30" rows.
 Soil Type: Pacolet coarse sandy loam.
 Soil Test: P = Medium, K = Medium, and pH = 6.3.
 Fertilization: 49 lb N, 98 lb P₂O₅, and 147 lb K₂O/acre as preplant; 200 lb N/acre as sidedress.
 Previous Crop: Soybeans.
 Management: Moldboard plowed, disked, and rototilled; Aatrex, Lasso, Basagran, and one cultivation used for weed control; irrigated 3.5 inches.

Test conducted by P. A. Rose.

Griffin, Georgia: Mid-Season Corn Hybrid Performance, 2004, Irrigated

Company or Brand Name	Hybrid Name	Yield ¹			Ears/100 Plants	Ear Grain Weight	Grain Quality ²	Grain Moist. ³	Plant Pop.	Erect Plants
		2004	2-Year Avg	3-Year Avg						
		-----	bu/acre	-----	no.	lb	rating	%	no.	%
Pioneer	32D99	249.6	264.6	.	120	0.49	2.1	20.5	25531	99
Pioneer	31G98	243.7	.	.	153	0.37	1.3	18.3	25410	100
DeKalb	DK697	240.0	.	.	152	0.35	1.4	18.7	26499	100
Southern States	894RR	235.8	.	.	115	0.45	1.1	18.7	26499	99
Pioneer	31G66	229.3	249.3	.	124	0.42	1.3	19.4	26136	99
Dyna-Gro	5518	225.5	.	.	129	0.40	1.5	18.1	25773	100
Dyna-Gro	58K22	225.5	.	.	119	0.43	1.3	18.0	25894	100
Garst	8200YGI	224.5	.	.	102	0.52	1.1	19.1	24805	99
DeKalb	DKC69-71(RR2/YGCB)	224.0	232.9	.	135	0.39	1.1	19.2	25289	100
Vigoro	V58Y41	223.4	.	.	112	0.45	1.6	18.8	26499	99
Croplan Genetics	DS830	222.8	.	.	99	0.53	1.4	19.2	25047	100
Garst	8288	222.5	225.4	213.2	115	0.45	1.6	19.4	25652	100
Hyttest	TNT119	221.2	.	.	102	0.53	1.3	19.0	23958	100
Croplan Genetics	DS822RR	220.1	240.0	.	128	0.37	2.1	20.5	27830	98
Southern States	SS842RR	216.1	239.6	229.7	129	0.38	1.9	20.7	26378	90
DeKalb	DKC67-60(RR2)	214.7	.	.	150	0.33	1.0	19.1	25894	100
AgraTech	919RR	214.7	.	.	115	0.44	1.5	18.5	24926	100
NK	N91-R9	211.8	232.9	226.7	136	0.43	1.4	19.8	21538	100
Greenwood	780	208.0	229.3	.	125	0.43	1.6	19.2	22990	100
Golden Acres	8681FQ	193.4	207.1	.	104	0.43	1.3	18.1	25168	100
Hyttest	7887RR2	192.6	.	.	108	0.42	1.1	18.9	24684	100
NK	N82-A7	190.5	.	.	106	0.44	1.6	20.3	24805	100
Golden Acres	8311	188.8	202.0	.	111	0.40	1.8	17.5	24079	100
<i>Average</i>		219.1 ⁴	232.3	223.2	121	0.43	1.4	19.1	25273	99
<i>LSD at 10% Level</i>		15.4	12.5	N.S. ⁵	15	0.05	0.4	0.6	2078	2
<i>Std. Err. of Entry Mean</i>		6.5	5.3	6.5	6	0.02	0.2	0.2	881	1

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 6.0%, and df for EMS = 66.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: April 2, 2004.
 Harvested: September 1, 2004.
 Seeding Rate: 28,000 seeds/acre in 30" rows.
 Soil Type: Pacolet coarse sandy loam.
 Soil Test: P = Medium, K = Medium, and pH = 6.3.
 Fertilization: 49 lb N, 98 lb P₂O₅, and 147 lb K₂O/acre as preplant; 200 lb N/acre as sidedress.
 Previous Crop: Soybeans.
 Management: Moldboard plowed, disked, and rototilled; Aatrex, Lasso, Basagran, and one cultivation used for weed control; irrigated 3.5 inches.

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