

Grain Tests Results

Coastal Plain Region

Coastal Plain Region of Georgia: Summary of Corn Hybrid Performance, 2004

Company or Brand Name	Variety	Yield					Irrigated Average
		Coastal Plain Average	Tifton Non-Irr.	Tifton Irrigated	Midville Irrigated	Plains Irrigated	
----- bu/acre -----							
<u>Short-Season</u>							
Croplan Genetics	799Bt	199.0	203.9	223.0	171.4	197.7	197.4
Terral	TV2140nRR	198.6	199.4	236.1	181.3	177.8	198.4
Pioneer	32R25	196.8	189.1	225.3	185.3	187.4	199.3
Terral	TV2140	195.6	203.9	227.5	169.0	181.9	192.8
Hyttest	7799Bt	195.0	189.2	225.8	176.4	188.6	196.9
Pioneer	33M54	194.6	193.7	223.4	178.2	183.1	194.9
Hyttest	7729Hx/LL	194.4	205.2	232.9	166.8	172.6	190.7
Hyttest	7806Bt/RR	193.3	190.1	226.1	173.3	183.6	194.3
NK	1851W	193.1	190.3	218.7	174.2	189.5	194.1
Golden Acres	8112	188.9	185.9	224.1	171.2	174.4	189.9
Terral	TV2160Bt	187.7	191.3	219.0	170.8	169.5	186.4
Croplan Genetics	691LL/Bt	185.7	192.2	216.7	162.7	171.4	183.6
AgraTech	755RRBt	185.6	185.9	212.0	168.5	176.0	185.5
Terral	TV2130	184.4	181.4	199.4	169.8	187.0	185.4
Vigoro	V56Y51	176.6	178.2	219.1	162.1	147.0	176.0
AgraTech	733RR	174.4	172.8	199.7	159.6	165.4	174.9
Hyttest	7761RR	167.3	167.2	208.3	147.3	146.3	167.3
Croplan Genetics	705RR	159.6	163.3	195.9	138.7	140.6	158.4
<i>Average</i>		187.2	187.9	218.5	168.1	174.4	187.0
<i>LSD at 10% Level</i>		9.2	12.1	10.4	11.0	13.0	6.6
<i>Std. Err. of Entry Mean</i>		3.9	5.1	4.4	4.6	5.5	2.8

Coastal Plain Region of Georgia: Summary of Corn Hybrid Performance, 2004 (Continued)

Company or Brand Name	Variety	Yield					Irrigated Average
		Coastal Plain Average	Tifton Non-Irr.	Tifton Irrigated	Midville Irrigated	Plains Irrigated	
		----- bu/acre -----					
<u>Mid-Season</u>							
Pioneer	32D99	214.0	208.1	253.2	184.8	209.9	216.0
Pioneer	31G98	205.7	214.8	240.6	172.2	195.3	202.7
Southern States	SS842RR	203.3	194.8	245.4	168.6	204.2	206.1
DeKalb	DKC69-72(RR2)	199.7	206.2	228.5	169.8	194.5	197.6
Pioneer	31G66	192.6	197.6	221.4	161.3	190.1	190.9
Garst	8200YGI	192.6	193.1	226.7	159.3	191.3	192.4
Dyna-Gro	5518	192.5	194.8	224.2	168.2	182.9	191.8
DeKalb	DK697	191.7	197.2	225.7	159.5	184.3	189.8
Hystest	7930Bt	190.9	184.1	223.1	161.7	194.7	193.2
Hystest	TNT119	190.6	165.4	216.0	178.7	202.3	199.0
Croplan Genetics	DS830	190.5	185.8	224.9	158.8	192.8	192.1
Dyna-Gro	58K22	190.5	184.8	219.5	171.5	186.2	192.4
Greenwood	780	189.3	196.5	218.3	162.3	180.3	187.0
Southern States	894RR	189.3	193.4	221.9	171.2	170.8	188.0
Dyna-Gro	CX04319	189.1	195.8	220.6	167.9	172.1	186.9
DeKalb	DKC69-71(RR2/YGCB)	188.5	190.7	223.2	158.0	182.0	187.7
Dyna-Gro	CX03317	187.5	194.7	212.1	162.7	180.6	185.1
NK	N91-R9	187.3	193.7	224.1	149.0	182.6	185.2
DeKalb	DKC67-60(RR2)	187.3	188.9	215.1	160.1	184.9	186.7
Croplan Genetics	DS822RR	187.0	187.9	229.8	158.6	171.7	186.7
Croplan Genetics	895Bt	186.9	187.6	223.0	162.1	175.0	186.7
Dyna-Gro	5515	185.8	181.7	223.5	161.1	177.1	187.2
AgraTech	919RR	183.5	180.4	205.9	162.4	185.2	184.5
Vigoro	V58Y41	182.4	181.4	211.4	154.1	182.7	182.7
Pioneer	31N27	182.2	179.8	226.6	140.8	181.9	183.1
Croplan Genetics	872RR	178.6	180.5	199.0	157.3	177.8	178.0
AgraTech	955RR	178.4	183.2	196.2	151.3	183.0	176.8
Golden Acres	8311	178.1	190.2	205.9	152.2	163.9	174.0
Hystest	7887RR2	176.8	181.7	207.1	155.0	163.7	175.2
Golden Acres	8681FQ	175.4	171.4	207.3	155.6	167.1	176.7
NK	N82-A7	172.1	182.5	197.7	142.5	165.8	168.7
DeKalb	DKC66-80(RR2)	170.2	166.0	184.5	157.9	172.6	171.6
AgraTech	855RR	170.2	171.5	200.9	142.8	165.6	169.7
<i>Average</i>		187.3	188.1	218.3	160.6	182.3	187.0
<i>LSD at 10% Level</i>		9.8	16.8	11.7	12.2	11.3	6.8
<i>Std. Err. of Entry Mean</i>		4.2	7.2	5.0	5.2	5.0	2.9

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

Tifton, Georgia: Short-Season Corn Hybrid Performance, 2004, Nonirrigated

Company or Brand Name	Hybrid Name	Yield ¹			Ears/100 Plants	Ear Grain Weight	Grain Quality ²	Grain Moisture ³	Plant Population	Erect Plants
		2004	2-Year Avg	3-Year Avg						
Hyttest	7729Hx/LL	205.2	.	.	103	0.47	2.0	22.6	25918	100
Terral	TV2140	203.9	188.6	.	112	0.46	1.5	23.5	24503	98
Croplan Genetics	799Bt	203.9	.	.	100	0.52	1.0	23.4	24176	97
Terral	TV2140nRR	199.4	170.3	155.7	105	0.48	2.0	23.6	24721	100
Pioneer	33M54	193.7	166.4	.	116	0.42	1.5	23.5	24720	98
Croplan Genetics	691LL/Bt	192.2	177.4	.	102	0.46	2.0	21.3	24720	100
Terral	TV2160Bt	191.3	176.8	157.7	112	0.44	2.0	23.8	24285	97
NK	1851W	190.3	173.5	161.6	101	0.47	1.0	24.1	25265	100
Hyttest	7806Bt/RR	190.1	.	.	107	0.47	1.0	23.9	23849	100
Hyttest	7799Bt	189.2	.	.	101	0.49	2.0	23.5	23958	99
Pioneer	32R25	189.1	174.4	157.2	114	0.41	1.5	22.0	24829	95
AgraTech	755RRBt	185.9	.	.	103	0.47	1.5	25.1	24503	99
Golden Acres	8112	185.9	171.3	.	111	0.42	1.5	23.5	24394	99
Terral	TV2130	181.4	161.5	.	110	0.43	2.0	22.4	23631	97
Vigoro	V56Y51	178.2	.	.	109	0.41	1.0	22.4	24285	100
AgraTech	733RR	172.8	160.0	152.7	100	0.48	1.5	23.7	22216	99
Hyttest	7761RR	167.2	.	.	102	0.44	2.5	21.8	22651	96
Croplan Genetics	705RR	163.3	.	.	100	0.42	2.5	22.2	23849	98
<i>Average</i>		187.9 ⁴	172.0	157.0	106	0.45	1.7	23.1	24248	98
<i>LSD at 10% Level</i>		12.1	N.S. ⁵	N.S.	5	0.03	0.8	0.7	1222	N.S.
<i>Std. Err. of Entry Mean</i>		5.1	4.5	2.9	2	0.01	0.2	0.3	516	1

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 5.4%, and df for EMS = 51.
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: March 24, 2004.

Harvested: August 2, 2004.

Seeding Rate: 27,000 seeds/acre in 30" rows.

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Low, and pH = 6.1.

Fertilization: 38 lb N, 75 lb P₂O₅, and 113 lb K₂O/acre as preplant; 114 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Paratilled; subsoiled and bedded; rototilled; Prowl, Atrazine, Accent and Permit used for weed control; Chlopyrifos used for insect control; Telone II used for nematode control.

Test conducted by A. E. Coy, M. D. Pippin, R. Burton, and R. Brooke.

Tifton, Georgia: Mid-Season Corn Hybrid Performance, 2004, Nonirrigated

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	31G98	214.8	.	.	143	0.4	2.0	23.0	23740	98
Pioneer	32D99	208.1	175.5	.	105	0.6	1.5	24.8	21998	94
DeKalb	DKC69-72(RR2)	206.2	.	.	115	0.5	1.5	24.7	22651	100
Pioneer	31G66	197.6	172.5	.	130	0.5	1.0	23.1	21127	92
DeKalb	DK697	197.2	.	.	108	0.5	1.0	24.5	23305	97
Greenwood	780	196.5	171.5	.	126	0.5	2.0	24.0	21127	98
Dyna-Gro	CX04319	195.8	.	.	126	0.4	1.0	24.6	22434	100
Dyna-Gro	5518	194.8	.	.	110	0.5	1.5	22.7	22107	99
Southern States	SS842RR	194.8	173.5	160.5	109	0.5	2.0	23.6	22542	96
Dyna-Gro	CX03317	194.7	.	.	114	0.5	2.0	23.6	21562	100
NK	N91-R9	193.7	168.9	152.7	109	0.5	1.5	24.2	21889	96
Southern States	894RR	193.4	.	.	108	0.5	1.0	22.9	21780	98
Garst	8200YGI	193.1	.	.	102	0.5	1.5	23.5	21998	99
DeKalb	DKC69-71(RR2/YGCB)	190.7	177.9	.	107	0.5	1.5	25.3	22869	100
Golden Acres	8311	190.2	173.5	150.8	129	0.4	1.5	22.6	21998	100
DeKalb	DKC67-60(RR2)	188.9	.	.	142	0.4	1.5	24.2	22869	100
Croplan Genetics	DS822RR	187.9	167.0	151.1	106	0.5	2.0	24.0	22542	99
Croplan Genetics	895Bt	187.6	.	.	99	0.5	1.5	23.7	21671	99
Croplan Genetics	DS830	185.8	.	.	101	0.5	2.0	23.0	21562	100
Dyna-Gro	58K22	184.8	.	.	107	0.5	2.0	22.9	22107	100
Hyttest	7930Bt	184.1	.	.	100	0.5	1.0	23.5	21671	100
AgraTech	955RR	183.2	.	.	118	0.5	1.0	25.2	21998	96
NK	N82-A7	182.5	.	.	123	0.5	2.0	23.7	20473	100
Dyna-Gro	5515	181.7	.	.	103	0.5	2.0	22.3	21780	100
Hyttest	7887RR2	181.7	.	.	100	0.6	2.0	23.6	20582	100
Vigoro	V58Y41	181.4	.	.	104	0.5	1.0	23.5	21127	100
Croplan Genetics	872RR	180.5	160.6	.	105	0.5	1.0	23.2	21998	100
AgraTech	919RR	180.4	.	.	110	0.5	1.5	23.4	20691	98
Pioneer	31N27	179.8	.	.	117	0.5	1.5	23.0	21345	100
AgraTech	855RR	171.5	.	.	112	0.5	1.0	23.6	21127	100
Golden Acres	8681FQ	171.4	162.4	141.4	103	0.5	2.0	22.7	21671	100
DeKalb	DKC66-80(RR2)	166.0	.	.	109	0.4	1.0	22.3	21344	99
Hyttest	TNT119	165.4	.	.	104	0.5	1.0	22.8	21236	100
<i>Average</i>		188.1 ⁴	170.3	151.3	112	0.5	1.5	23.6	21846	99
<i>LSD at 10% Level</i>		16.8	N.S. ⁵	N.S.	10	0.04	0.7	0.7	N.S.	N.S.
<i>Std. Err. of Entry Mean</i>		7.2	4.2	3.8	4	0.02	0.2	0.3	679	2

Tifton, Georgia:
Mid-Season Corn Hybrid Performance, 2004, Nonirrigated
(Continued)

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 7.6%, and df for EMS = 96.
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: March 25, 2004.

Harvested: August 3, 2004.

Seeding Rate: 27,000 seeds/acre in 30" rows.

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Low, and pH = 6.1.

Fertilization: 38 lb N, 75 lb P₂O₅, and 113 lb K₂O/acre as preplant; 114 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Paratilled; subsoiled and bedded; rototilled; Prowl, Atrazine, Accent and Permit used for weed control; Chlopyrifos used for insect control; Telone II used for nematode control.

Test conducted by A. E. Coy, M. D. Pippin, R. Burton, and R. Brooke.

Tifton, 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 Moisture ³	Plant Population	Erect Plants
		2004	2-Year Avg	3-Year Avg						
		----- bu/acre -----			no.	lb	rating	%	no.	%
Terral	TV2140nRR	236.1	224.3	225.7	106	0.54	1.5	25.9	26354	96
Hytest	7729Hx/LL	232.9	.	.	103	0.51	2.0	22.7	27225	100
Terral	TV2140	227.5	213.9	.	107	0.50	1.5	23.4	26245	100
Hytest	7806Bt/RR	226.1	.	.	103	0.52	2.0	24.3	26354	100
Hytest	7799Bt	225.8	.	.	101	0.53	1.5	22.8	25918	94
Pioneer	32R25	225.3	226.8	231.6	118	0.43	1.5	21.9	26898	98
Golden Acres	8112	224.1	221.2	.	105	0.48	1.5	23.5	27552	99
Pioneer	33M54	223.4	207.1	.	107	0.49	1.0	23.6	26681	100
Croplan Genetics	799Bt	223.0	.	.	99	0.53	1.5	23.0	26245	99
Vigoro	V56Y51	219.1	.	.	82	0.82	2.0	22.3	29512	100
Terral	TV2160Bt	219.0	218.1	218.6	102	0.48	1.0	23.5	27879	97
NK	1851W	218.7	215.9	217.2	101	0.47	1.5	23.3	28314	95
Croplan Genetics	691LL/Bt	216.7	214.9	.	101	0.48	2.0	21.8	27225	100
AgraTech	755RRBt	212.0	.	.	99	0.50	1.5	24.0	26463	100
Hytest	7761RR	208.3	.	.	104	0.47	2.5	21.9	26245	96
AgraTech	733RR	199.7	205.3	211.8	101	0.50	1.5	23.7	24503	100
Terral	TV2130	199.4	200.4	.	105	0.46	2.0	21.7	25047	99
Croplan Genetics	705RR	195.9	.	.	106	0.47	2.0	21.6	23958	100
<i>Average</i>		218.5 ⁴	214.8	221.0	103	0.51	1.7	23.0	26590	98
<i>LSD at 10% Level</i>		10.4	N.S. ⁵	8.1	1	N.S.	N.S.	1.3	1570	N.S.
<i>Std. Err. of Entry Mean</i>		4.4	4.1	3.4	5	0.09	0.3	0.6	662	2

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 4.0%, and df for EMS = 51.
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: March 24, 2004.

Harvested: August 2, 2004.

Seeding Rate: 30,000 seeds/acre in 30" rows.

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Low, and pH = 6.1.

Fertilization: 58 lb N, 115 lb P₂O₅, and 173 lb K₂O/acre as preplant; 200 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Paratilled; subsoiled and bedded; rototilled; Prowl, Atrazine, Accent and Permit used for weed control; Chlopyrifos used for insect control; Telone II used for nematode control.

Test conducted by A. E. Coy, M. D. Pippin, R. Burton, and R. Brooke.

Tifton, 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	253.2	240.2	.	104	0.59	1.0	23.6	25809	94
Southern States	SS842RR	245.4	226.0	225.7	102	0.54	1.5	22.9	27552	99
Pioneer	31G98	240.6	.	.	108	0.47	2.0	22.3	28641	98
Croplan Genetics	DS822RR	229.8	225.0	217.3	108	0.51	1.5	22.7	25700	99
DeKalb	DKC69-72(RR2)	228.5	.	.	103	0.53	1.0	23.8	26463	98
Garst	8200YGI	226.7	.	.	103	0.54	1.5	22.4	24938	100
Pioneer	31N27	226.6	.	.	109	0.48	1.0	21.1	26027	100
DeKalb	DK697	225.7	.	.	108	0.50	1.0	23.4	26027	100
Croplan Genetics	DS830	224.9	.	.	100	0.54	1.0	23.3	25591	100
Dyna-Gro	5518	224.2	.	.	109	0.47	2.0	22.8	26572	100
NK	N91-R9	224.1	230.2	225.8	105	0.52	1.0	23.2	25265	100
Dyna-Gro	5515	223.5	.	.	100	0.51	2.0	20.7	26245	100
DeKalb	DKC69-71(RR2/YGCB)	223.2	235.4	.	111	0.47	1.0	24.0	26789	100
Hytest	7930Bt	223.1	.	.	102	0.53	1.5	22.5	25265	100
Croplan Genetics	895Bt	223.0	.	.	100	0.55	1.5	22.2	24503	100
Southern States	894RR	221.9	.	.	110	0.47	1.0	22.4	26354	99
Pioneer	31G66	221.4	225.8	.	113	0.48	1.5	22.3	25156	98
Dyna-Gro	CX04319	220.6	.	.	117	0.43	1.0	23.6	26968	100
Dyna-Gro	58K22	219.5	.	.	108	0.49	1.0	22.9	25700	99
Greenwood	780	218.3	206.8	.	110	0.47	1.5	22.7	25700	87
Hytest	TNT119	216.0	.	.	100	0.53	1.5	22.4	25047	100
DeKalb	DKC67-60(RR2)	215.1	.	.	139	0.37	1.0	23.3	25701	100
Dyna-Gro	CX03317	212.1	.	.	106	0.52	1.0	22.7	23740	100
Vigoro	V58Y41	211.4	.	.	99	0.51	1.5	22.4	25592	100
Golden Acres	8681FQ	207.3	212.9	203.4	101	0.50	2.0	22.0	25047	100
Hytest	7887RR2	207.1	.	.	101	0.50	1.0	22.1	24829	100
Golden Acres	8311	205.9	201.9	198.7	102	0.47	1.5	21.3	25776	100
AgraTech	919RR	205.9	.	.	108	0.51	1.5	22.5	22978	100
AgraTech	855RR	200.9	.	.	105	0.51	1.0	22.6	23087	100
Croplan Genetics	872RR	199.0	206.7	.	102	0.47	1.0	22.1	25265	100
NK	N82-A7	197.7	.	.	107	0.46	1.0	23.5	25156	100
AgraTech	955RR	196.2	.	.	101	0.48	1.0	24.1	25671	100
DeKalb	DKC66-80(RR2)	184.5	.	.	100	0.41	1.0	20.3	27007	99
<i>Average</i>		218.3 ⁴	221.1	214.2	106	0.49	1.3	22.6	25641	99
<i>LSD at 10% Level</i>		11.7	N.S. ⁵	8.6	7	0.04	N.S.	0.5	1494	3
<i>Std. Err. of Entry Mean</i>		5.0	3.8	3.6	3	0.02	0.2	0.2	636	1

**Tifton, Georgia:
Mid-Season Corn Hybrid Performance, 2004, Irrigated
(Continued)**

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 4.6%, and df for EMS = 96.
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: March 25, 2004.

Harvested: August 5, 2004.

Seeding Rate: 28,000 seeds/acre in 30" rows.

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Low, and pH = 6.1.

Fertilization: 58 lb N, 115 lb P₂O₅, and 173 lb K₂O/acre as preplant; 200 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Paratilled; subsoiled and bedded; rototilled; Prowl, Atrazine, Accent and Permit used for weed control; Chlopyrifos used for insect control; Telone II used for nematode control.

Test conducted by A. E. Coy, M. D. Pippin, R. Burton, and R. Brooke.

Tifton, Georgia: Preliminary Corn Hybrid Performance, 2004, Irrigated

Company or Brand Name	Hybrid Name	Yield ¹ bu/acre	Ears/100 Plants no.	Ear Grain Weight lb	Grain Quality ² rating	Grain Moisture ³ %	Plant Population no.	Erect Plants %
Pioneer	31G98	241.5	124	0.44	2.0	23.2	27334	96
DeKalb	DK697	224.7	115	0.45	1.0	23.7	26898	99
Dyna-Gro	5518	222.3	107	0.48	2.0	22.6	26680	99
DeKalb	DKC67-60(RR2)	217.1	139	0.36	1.0	23.4	26790	100
Garst	8292YGI	214.9	98	0.50	2.5	22.9	26681	97
Terral	TVX26BR401	213.9	101	0.51	1.5	22.6	25483	100
Greenwood	780	213.3	115	0.44	1.0	23.3	25809	98
Dyna-Gro	58K22	211.1	105	0.47	1.5	22.7	26027	99
Southern States	E83462	210.5	101	0.49	2.0	20.1	25156	100
AgraTech	X41620RR	209.7	109	0.48	1.5	23.5	24829	95
AgraTech	X41636RR	208.9	109	0.48	2.0	24.6	25156	99
Terral	TVX26B401	206.9	115	0.44	1.0	22.8	25483	100
Greenwood	835	206.6	106	0.49	1.0	24.9	25156	99
Terral	TVX23R31	202.3	103	0.46	1.0	22.7	26354	99
AgraTech	999Bt	195.5	104	0.49	1.0	24.8	24067	99
Terral	TVX23R401	191.2	101	0.46	1.0	23.3	25265	88
Greenwood	863	189.0	101	0.48	1.0	28.5	26136	97
Vigoro	Ex284001	184.3	103	0.43	2.0	20.7	24917	99
Vigoro	Ex274001	183.9	100	0.43	1.5	20.2	25156	99
NK	NX8363	177.8	106	0.38	1.0	21.9	26681	100
Greenwood	865	159.0	102	0.41	1.0	32.5	26790	84
<i>Average</i>		204.0 ⁴	108	0.46	1.4	23.6	25850	97
<i>LSD at 10% Level</i>		10.7	7	0.03	0.8	1.0	1462	7
<i>Std. Err. of Entry Mean</i>		4.5	3	0.01	0.2	0.4	619	3

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 4.4%, and df for EMS = 60.

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

Planted: March 25, 2004.
 Harvested: August 5, 2004.
 Seeding Rate: 28,000 seeds/acre in 30" rows.
 Soil Type: Tifton loamy sand.
 Soil Test: P = High, K = Low, and pH = 6.1.
 Fertilization: 58 lb N, 115 lb P₂O₅, and 173 lb K₂O/acre as preplant; 200 lb N/acre as sidedress.
 Previous Crop: Soybeans.
 Management: Paratilled; subsoiled and bedded; rototilled; Prowl, Atrazine, Accent, and Permit used for weed control, Chlorpyrifos used for insect control; Telone II used for nematode control; irrigated 7.0 inches.

Test conducted by A. E. Coy, M. D. Pippin, R. Burton, and R. Brooke.

Plains, Georgia: Short-Season Corn Hybrid Performance, 2004, Irrigated

Company or Brand Name	Hybrid Name	Yield ¹			Ears/100 Plants no.	Ear Grain Weight lb	Grain Quality ² rating	Grain Moisture ³ %	Plant Population no.	Erect Plants %
		2004 ----- bu/acre	2-Year Avg	3-Year Avg						
Croplan Genetics	799Bt	197.7	.	.	101	0.47	2.0	21.0	25483	47
NK	1851W	189.5	178.3	182.0	100	0.39	1.3	21.2	29294	26
Hytest	7799Bt	188.6	.	.	100	0.39	2.3	20.8	28641	32
Pioneer	32R25	187.4	184.6	178.0	101	0.36	2.3	20.4	29185	48
Terral	TV2130	187.0	181.4	.	100	0.39	1.0	20.3	28205	30
Hytest	7806Bt/RR	183.6	.	.	102	0.41	1.7	21.8	27007	36
Pioneer	33M54	183.1	170.7	.	100	0.39	1.8	21.3	27988	34
Terral	TV2140	181.9	167.2	.	102	0.38	2.5	22.0	28532	32
Terral	TV2140nRR	177.8	167.2	171.7	100	0.39	2.0	21.7	27878	44
AgraTech	755RRBt	176.0	.	.	100	0.40	2.3	21.5	26354	27
Golden Acres	8112	174.4	165.6	.	99	0.35	2.3	21.7	29476	36
Hytest	7729Hx/LL	172.6	.	.	101	0.36	2.0	21.1	28532	29
Croplan Genetics	691LL/Bt	171.4	169.0	.	100	0.36	2.0	20.3	28423	62
Terral	TV2160Bt	169.5	161.7	167.6	101	0.36	1.0	22.0	28096	21
AgraTech	733RR	165.4	155.9	158.9	101	0.37	2.3	20.5	26680	30
Vigoro	V56Y51	147.0	.	.	105	0.29	2.7	20.8	29076	66
Hytest	7761RR	146.3	.	.	101	0.30	3.2	19.7	28205	58
Croplan Genetics	705RR	140.6	.	.	102	0.29	3.3	19.5	27770	74
<i>Average</i>		174.4 ⁴	170.2	171.6	101	0.37	2.1	20.9	28048	41
<i>LSD at 10% Level</i>		13.0	13.9	12.6	2	0.04	0.8	0.6	2236	25
<i>Std. Err. of Entry Mean</i>		5.5	5.9	5.3	1	0.02	0.3	0.3	944	10

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 6.3%, and df for EMS = 51.

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

Planted: March 29, 2004.
 Harvested: August 24, 2004.
 Seeding Rate: 30,000 seeds/acre in 30" rows.
 Soil Type: Greenville sandy loam.
 Soil Test: P = Medium, K = Medium, and pH = 6.3.
 Fertilization: 115 lb N, 90 lb P₂O₅, and 45 lb K₂O/acre as preplant; 150 lb N/acre as sidedress.
 Previous Crop: Soybeans.
 Management: Chisel plowed and rototilled; Prowl and Atrazine used for weed control; irrigated 8.0 inches.

Test conducted by A. E. Coy, M. D. Pippin, R. Burton, R. E. Brooke, J. L. Day, and R. R. Pines.

Plains, 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. no.	Erect Plants %
		2004	2-Year Avg	3-Year Avg						
		----- bu/acre -----			no.	lb	rating	%	no.	%
Pioneer	32D99	209.9	184.1	.	96	0.50	2.4	22.2	26523	31
Southern States	SS842RR	204.2	166.1	176.9	100	0.48	2.0	21.9	26027	41
Hyttest	TNT119	202.3	.	.	100	0.47	2.0	21.3	26027	71
Pioneer	31G98	195.3	.	.	101	0.44	2.5	20.0	26354	27
Hyttest	7930Bt	194.7	.	.	102	0.45	2.3	21.5	25592	39
DeKalb	DKC69-72(RR2)	194.5	.	.	104	0.42	1.0	22.0	27007	89
Croplan Genetics	DS830	192.8	.	.	98	0.45	2.0	21.1	26681	82
Garst	8200YGI	191.3	.	.	100	0.44	1.5	21.1	26027	65
Pioneer	31G66	190.1	174.2	.	101	0.45	1.0	21.1	25265	55
Dyna-Gro	58K22	186.2	.	.	100	0.41	2.0	21.4	27661	39
AgraTech	919RR	185.2	.	.	101	0.41	2.5	21.7	27116	45
DeKalb	DKC67-60(RR2)	184.9	.	.	105	0.39	1.0	19.5	26572	56
DeKalb	DK697	184.3	.	.	101	0.41	1.5	21.5	27225	81
AgraTech	955RR	183.0	.	.	101	0.42	1.3	22.8	26572	88
Dyna-Gro	5518	182.9	.	.	101	0.41	1.0	21.8	26572	24
Vigoro	V58Y41	182.7	.	.	100	0.42	1.5	20.6	26136	45
NK	N91-R9	182.6	177.7	174.9	100	0.43	1.0	22.0	25701	13
DeKalb	DKC69-71(RR2/YGCB)	182.0	172.6	.	101	0.43	1.3	21.8	25374	84
Pioneer	31N27	181.9	.	.	101	0.43	2.0	20.9	24938	63
Dyna-Gro	CX03317	180.6	.	.	101	0.43	1.5	21.7	25483	47
Greenwood	780	180.3	158.7	.	103	0.43	1.5	22.1	24611	45
Croplan Genetics	872RR	177.8	149.1	.	101	0.41	1.0	21.7	25701	43
Dyna-Gro	5515	177.1	.	.	102	0.39	2.5	20.6	26463	41
Croplan Genetics	895Bt	175.0	.	.	100	0.45	1.0	21.8	23522	67
DeKalb	DKC66-80(RR2)	172.6	.	.	100	0.39	1.5	20.2	26572	73
Dyna-Gro	CX04319	172.1	.	.	107	0.38	2.0	22.5	25701	55
Croplan Genetics	DS822RR	171.7	173.7	168.4	101	0.41	2.5	22.4	25592	31
Southern States	894RR	170.8	.	.	101	0.41	2.0	21.3	24829	29
Golden Acres	8681FQ	167.1	155.2	163.9	104	0.37	2.0	20.6	25809	30
NK	N82-A7	165.8	.	.	100	0.38	2.0	21.7	26027	57
AgraTech	855RR	165.6	.	.	102	0.40	1.5	21.9	24938	51
Golden Acres	8311	163.9	152.4	157.5	101	0.39	1.5	20.1	24829	70
Hyttest	7887RR2	163.7	.	.	100	0.38	2.1	21.8	26354	49
<i>Average</i>		182.3 ⁴	166.4	168.3	101	0.42	1.7	21.4	25933	52
<i>LSD at 10% Level</i>		11.8	N.S. ⁵	N.S.	3	0.03	1.0	0.7	N.S.	22
<i>Std. Err. of Entry Mean</i>		5.0	7.0	5.0	1	0.01	0.3	0.3	762	10

**Plains, Georgia:
Mid-Season Corn Hybrid Performance, 2004, Irrigated
(Continued)**

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 5.5%, and df for EMS = 96.
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: March 29, 2004.

Harvested: August 24, 2004.

Seeding Rate: 28,000 seeds/acre in 30" rows.

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = Medium, and pH = 6.3.

Fertilization: 115 lb N, 90 lb P₂O₅, and 45 lb K₂O/acre as preplant; 150 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Chisel plowed and rototilled; Prowl and Atrazine used for weed control; irrigated 8.0 inches.

Test conducted by A. E. Coy, M. D. Pippin, R. Burton, R. E. Brooke, J. L. Day, and R. R. Pines.

Midville, 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 Moisture ³	Plant Population	Erect Plants
		2004	2-Year Avg	3-Year Avg						
		-----	bu/acre	-----	no.	lb	rating	%	no.	%
Pioneer	32R25	185.3	189.9	197.9	119	0.35	.	17.6	25965	100
Terral	TV2140nRR	181.3	179.7	183.1	105	0.38	.	17.8	26136	100
Pioneer	33M54	178.2	179.6	.	113	0.37	.	17.5	24675	100
Hyttest	7799Bt	176.4	.	.	100	0.42	.	16.7	23729	100
NK	1851W	174.2	163.3	173.6	103	0.38	.	17.5	25621	100
Hyttest	7806Bt/RR	173.3	.	.	104	0.39	.	19.3	24847	100
Croplan Genetics	799Bt	171.4	.	.	100	0.41	.	16.6	23643	100
Golden Acres	8112	171.2	180.2	.	110	0.35	.	17.2	25363	100
Terral	TV2160Bt	170.8	169.5	179.3	111	0.34	.	17.7	25879	100
Terral	TV2130	169.8	180.4	.	107	0.37	.	16.7	24417	100
Terral	TV2140	169.0	175.0	.	104	0.39	.	17.9	23815	100
AgraTech	755RRBt	168.5	.	.	103	0.39	.	18.4	24417	100
Hyttest	7729Hx/LL	166.8	.	.	106	0.35	.	16.8	25535	100
Croplan Genetics	691LL/Bt	162.7	166.8	.	101	0.36	.	16.2	25449	100
Vigoro	V56Y51	162.1	.	.	105	0.35	.	17.2	25019	100
AgraTech	733RR	159.6	175.8	185.2	100	0.37	.	17.2	24245	100
Hyttest	7761RR	147.3	.	.	102	0.35	.	16.8	23385	100
Croplan Genetics	705RR	138.7	.	.	102	0.34	.	16.4	22611	100
<i>Average</i>		168.1 ⁴	176.0	183.8	105	0.37	.	17.3	24708	100
<i>LSD at 10% Level</i>		11.0	N.S. ⁵	N.S.	3	0.02	.	0.5	997	-
<i>Std. Err. of Entry Mean</i>		4.6	4.7	3.9	1	0.01	.	0.2	421	-

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 5.5%, and df for EMS = 51.
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: March 31, 2004.
 Harvested: August 26, 2004.
 Seeding Rate: 28,000 seeds/acre in 38" rows.
 Soil Type: Dothan loamy sand.
 Soil Test: P = Medium, K = Medium, and pH = 6.5.
 Fertilization: 60 lb N, 120 lb P₂O₅, and 180 lb K₂O/acre as preplant; 216 lb N/acre as sidedress.
 Previous Crop: Cotton.
 Management: Chisel plowed; subsoiled and bedded; rototilled; Sutan+, Atrazine, and Basagran used for weed control; Telone II used for nematode control; irrigated 12.0 inches.

Test conducted by A. E. Coy, M. D. Pippin, R. Burton, R. E. Brooke, and R. Jackson.

Midville, 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. no.	Erect Plants %
		2004	2-Year Avg	3-Year Avg						
		-----	bu/acre	-----	no.	lb	rating	%	no.	%
Pioneer	32D99	184.8	193.1	.	103	0.40	.	19.8	26308	100
Hyttest	TNT119	178.7	.	.	100	0.39	.	18.1	26309	100
Pioneer	31G98	172.2	.	.	109	0.33	.	16.8	27340	100
Dyna-Gro	58K22	171.5	.	.	102	0.35	.	18.2	27942	100
Southern States	894RR	171.2	.	.	102	0.35	.	17.7	27426	100
DeKalb	DKC69-72(RR2)	169.8	.	.	102	0.35	.	18.8	27598	100
Southern States	SS842RR	168.6	176.5	175.3	102	0.35	.	19.6	27598	100
Dyna-Gro	5518	168.2	.	.	102	0.36	.	18.2	26824	100
Dyna-Gro	CX04319	167.9	.	.	108	0.34	.	19.2	27082	99
Dyna-Gro	CX03317	162.7	.	.	106	0.34	.	17.9	26051	100
AgraTech	919RR	162.4	.	.	102	0.35	.	17.5	25879	100
Greenwood	780	162.3	164.7	.	107	0.34	.	18.3	25879	100
Croplan Genetics	895Bt	162.1	.	.	99	0.38	.	18.8	25019	100
Hyttest	7930Bt	161.7	.	.	100	0.35	.	18.0	26566	100
Pioneer	31G66	161.3	179.5	.	102	0.34	.	17.5	27168	100
Dyna-Gro	5515	161.1	.	.	100	0.34	.	16.7	27168	100
DeKalb	DKC67-60(RR2)	160.1	.	.	126	0.29	.	18.7	25363	100
DeKalb	DK697	159.5	.	.	101	0.35	.	18.5	26137	100
Garst	8200YGI	159.3	.	.	99	0.35	.	18.4	26652	100
Croplan Genetics	DS830	158.8	.	.	100	0.36	.	17.6	25621	99
Croplan Genetics	DS822RR	158.6	153.7	166.1	101	0.34	.	19.8	27340	100
DeKalb	DKC69-71(RR2/YGCB)	158.0	174.8	.	107	0.32	.	19.5	27426	100
DeKalb	DKC66-80(RR2)	157.9	.	.	100	0.34	.	16.5	26738	100
Croplan Genetics	872RR	157.3	158.9	.	101	0.35	.	18.3	26051	100
Golden Acres	8681FQ	155.6	170.4	176.3	102	0.33	.	16.6	26652	100
Hyttest	7887RR2	155.0	.	.	101	0.33	.	18.3	26996	100
Vigoro	V58Y41	154.1	.	.	100	0.34	.	17.8	25707	100
Golden Acres	8311	152.2	161.0	168.7	108	0.33	.	16.5	24933	100
AgraTech	955RR	151.3	.	.	106	0.33	.	18.3	25019	100
NK	N91-R9	149.0	165.7	168.2	99	0.33	.	20.0	27168	100
AgraTech	855RR	142.8	.	.	106	0.33	.	18.0	23729	100
NK	N82-A7	142.5	.	.	102	0.33	.	18.0	24847	100
Pioneer	31N27	140.8	.	.	100	0.31	.	18.1	26652	100
<i>Average</i>		160.6 ⁴	169.8	170.9	103	0.34	.	18.2	26400	100
<i>LSD at 10% Level</i>		12.2	N.S. ⁵	N.S.	3	0.03	.	0.6	1717	-
<i>Std. Err. of Entry Mean</i>		5.2	5.7	4.2	1	0.01	.	0.2	731	-

**Midville, Georgia:
Mid-Season Corn Hybrid Performance, 2004, Irrigated
(Continued)**

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 6.4%, and df for EMS = 96.
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: March 31, 2004.

Harvested: August 27, 2004.

Seeding Rate: 28,000 seeds/acre in 38" rows.

Soil Type: Dothan loamy sand.

Soil Test: P = Medium, K = Medium, and pH = 6.5.

Fertilization: 60 lb N, 120 lb P₂O₅, and 180 lb K₂O/acre as preplant; 216 lb N/acre as sidedress.

Previous Crop: Cotton.

Management: Chisel plowed; subsoiled and bedded; rototilled; Sutan+, Atrazine, and Basagran used for weed control; Telone II used for nematode control; irrigated 12.0 inches.

Test conducted by A. E. Coy, M. D. Pippin, R. Burton, R. E. Brooke, and R. Jackson.