

# Grain Tests Results

## Coastal Plain Region

### Coastal Plain Region of Georgia: Summary of Corn Hybrid Performance, 2007

Company or Brand Name	Variety	Yield					Irrigated Average
		Coastal Plain Average	Tifton Non-Irr.	Tifton Irrigated	Midville Irrigated	Plains Irrigated	
----- bu/acre -----							
<b>Short-Season</b>							
NK	N77-P5	<b>213.9</b>	<b>142.0</b>	<b>249.4</b>	<b>242.4</b>	<b>221.9</b>	<b>237.9</b>
DeKalb	DKC61-73 RR2/YGCG	<b>210.2</b>	<b>146.7</b>	<b>253.5</b>	232.8	<b>208.0</b>	<b>231.4</b>
Pioneer	33M57(Hx1/LL/RR2)	<b>208.9</b>	<b>121.8</b>	<b>248.5</b>	<b>250.0</b>	<b>215.4</b>	<b>238.0</b>
Croplan Genetics	7505 RR2	<b>202.3</b>	<b>127.9</b>	<b>241.7</b>	227.9	<b>211.7</b>	227.1
SS	731CL	<b>198.3</b>	<b>121.1</b>	213.5	<b>246.5</b>	<b>212.2</b>	224.1
AgraTech	695RR	<b>197.3</b>	<b>144.9</b>	231.5	<b>241.1</b>	171.9	214.8
Croplan Genetics	6831TS	<b>197.1</b>	<b>132.2</b>	234.4	<b>242.1</b>	179.7	218.7
DeKalb	DK64-27RR2	<b>195.6</b>	<b>140.7</b>	223.7	236.6	181.5	213.9
DeKalb	DK65-47RR2	<b>194.0</b>	<b>145.9</b>	224.1	226.2	179.9	210.1
Croplan Genetics	751TS	<b>192.8</b>	<b>130.9</b>	234.9	<b>253.8</b>	151.7	213.5
DeKalb	DKC63-46 RR2/YGCB	178.9	<b>135.6</b>	201.3	223.9	155.1	193.4
<i>Average</i>		199.0 <sup>1</sup>	135.4	232.4	238.5	189.9	220.2 <sup>2</sup>
<i>LSD at 10% Level</i>		25.3	N.S. <sup>3</sup>	16.7	15.4	17.4	9.3
<i>Std. Err. of Entry Mean</i>		10.8	12.3	7.0	6.4	7.2	4.0

## Coastal Plain Region of Georgia: Summary of Corn Hybrid Performance, 2007 (Continued)

Company or Brand Name	Variety	Yield					
		Coastal Plain Average	Tifton Non-Irr.	Tifton Irrigated	Midville Irrigated	Plains Irrigated	Irrigated Average
		----- bu/acre -----					
<b>Mid-Season</b>							
Pioneer	31D58	<b>227.7</b>	<b>142.7</b>	<b>270.3</b>	242.9	<b>255.0</b>	<b>256.1</b>
Pioneer	31P41	<b>226.1</b>	<b>142.7</b>	<b>263.2</b>	<b>266.5</b>	232.0	<b>253.9</b>
Pioneer	31G65(RR2)	<b>222.7</b>	<b>151.1</b>	<b>261.3</b>	<b>272.1</b>	206.5	<b>246.6</b>
Garst	8247YG1	<b>222.5</b>	<b>140.6</b>	<b>264.6</b>	<b>256.5</b>	228.3	<b>249.8</b>
Golden Acres	2989RRB	<b>216.7</b>	<b>151.6</b>	254.0	<b>261.2</b>	200.2	238.5
Croplan Genetics	8950 RR2/Bt	<b>215.3</b>	<b>149.3</b>	<b>256.9</b>	225.9	229.0	237.3
Pioneer	31N28(YGCB)	<b>212.2</b>	<b>158.5</b>	<b>262.6</b>	236.6	191.0	230.1
DynaGro	CX06517	<b>211.0</b>	<b>146.6</b>	<b>260.0</b>	231.1	206.2	232.4
AgraTech	7711RR	<b>210.6</b>	<b>155.0</b>	251.8	241.7	194.0	229.1
Garst	8295YG1/RR	<b>210.1</b>	<b>116.3</b>	250.5	246.5	227.0	241.3
DeKalb	DKC69-71(RR2/YGCB)	<b>209.0</b>	<b>140.7</b>	<b>272.4</b>	227.2	195.7	231.7
DeKalb	DKC66-23 RR2/YGCB	<b>206.6</b>	<b>125.6</b>	251.4	<b>260.9</b>	188.6	233.6
Golden Acres	2842RRBUS	<b>206.4</b>	<b>140.7</b>	<b>258.6</b>	240.7	185.6	228.3
AgraTech	845RR	<b>206.0</b>	<b>124.6</b>	238.6	<b>258.7</b>	201.9	233.1
DeKalb	DK67-87 RR2/YGCB	<b>205.8</b>	<b>132.4</b>	244.2	240.3	206.2	230.2
DynaGro	58P60	<b>199.6</b>	<b>152.1</b>	217.1	235.3	193.9	215.4
AgraTech	797RR	198.8	<b>136.5</b>	243.3	221.4	194.1	219.6
SS	SS783RR2YGCB	198.4	<b>135.3</b>	244.9	229.6	183.9	219.4
AgraTech	897RR	198.1	<b>131.8</b>	236.8	213.8	210.1	220.2
Croplan Genetics	851TS	197.5	<b>142.0</b>	234.5	245.3	168.2	216.0
DeKalb	DK69-43RR2	196.6	<b>131.7</b>	230.4	222.6	201.7	218.2
Croplan Genetics	799RB	195.6	<b>125.2</b>	231.0	228.2	198.1	219.1
DeKalb	DKC67-23(RR2/YGCB)	194.4	<b>117.5</b>	239.0	239.0	182.3	220.1
Croplan Genetics	8702RH	192.9	<b>130.0</b>	242.2	243.5	155.8	213.8
Croplan Genetics	6818TS	189.3	<b>128.0</b>	225.6	221.3	182.4	209.7
<i>Average</i>		206.8 <sup>4</sup>	137.9	248.2	240.3	200.7	229.7 <sup>5</sup>
<i>LSD at 10% Level</i>		28.5	N.S.	16.9	23.6	22.7	12.2
<i>Std. Err. of Entry Mean</i>		12.2	12.6	7.2	10.0	9.6	5.2

1. CV = 21.7%, and df for EMS = 134.

2. CV = 6.2%, and df for EMS = 90.

3. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

4. CV = 23.6%, and df for EMS = 316.

5. CV = 7.9%, and df for EMS = 216.

**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, 2007, Nonirrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup>		Ears/100 Plants	Ear Grain Weight	Grain Quality <sup>2</sup>	Grain Moist. <sup>3</sup>	Plant Pop.	Erect Plants	
		2007	2-Year Avg							3-Year Avg
		----- bu/acre -----		no.	lb	rating	%	no.	%	
DeKalb	DKC61-73 RR2/YGCG	<b>146.7</b>	.	.	104	0.31	1.5	16.9	25918	99
DeKalb	DK65-47RR2	<b>145.9</b>	.	.	105	0.34	1.0	18.3	23522	98
AgraTech	695RR	<b>144.9</b>	.	.	108	0.34	2.5	17.4	23087	100
NK	N77-P5	<b>142.0</b>	.	.	102	0.31	1.0	18.7	26136	99
DeKalb	DK64-27RR2	<b>140.7</b>	.	.	115	0.32	1.0	17.6	22325	100
DeKalb	DKC63-46 RR2/YGCB	<b>135.6</b>	.	.	105	0.29	1.8	17.2	25483	100
Croplan Genetics	6831TS	<b>132.2</b>	.	.	106	0.31	1.0	20.9	23958	99
Croplan Genetics	751TS	<b>130.9</b>	.	.	112	0.29	1.0	23.3	24612	100
Croplan Genetics	7505 RR2	<b>127.9</b>	.	.	102	0.29	1.0	18.9	25047	100
Pioneer	33M57(Hx1/LL/RR2)	<b>121.8</b>	.	.	110	0.29	1.0	22.1	23523	100
SS	731CL	<b>121.1</b>	.	.	127	0.27	1.0	22.7	22216	98
<i>Average</i>		135.4 <sup>4</sup>	.	.	109	0.31	1.3	19.4	24166	99
<i>LSD at 10% Level</i>		N.S. <sup>5</sup>			9	N.S.	0.8	1.7	2369	N.S.
<i>Std. Err. of Entry Mean</i>		12.3			4	0.03	0.2	0.7	987	1

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 18.2%, and df for EMS = 30.
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 21, 2007.

Harvested: August 8, 2007.

Seeding Rate: 26,500 seeds/acre in 30" rows.

Soil Type: Fuquay loamy sand.

Soil Test: P = Medium, K = Medium, and pH = 6.0.

Fertilization: 25 lb N, 139 lb P<sub>2</sub>O<sub>5</sub>, and 37 lb K<sub>2</sub>O/acre as preplant; 137 lb N/acre as sidedress.

Previous Crop: Peanuts.

Management: Subsoiled, bedded and rototilled; Sutan and Aatrex used for weed control; Lorsban used for insect control; Telone II used for nematode control.

Test conducted by A. E. Coy, R. Brooke, and R. Jackson.

## Tifton, Georgia: Mid-Season Corn Hybrid Performance, 2007, Nonirrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup>			Ears/100 Plants	Ear			Plant Pop. no.	Erect Plants %
		2007	2-Year Avg	3-Year Avg		Grain Weight lb	Grain Quality <sup>2</sup> rating	Grain Moist. <sup>3</sup> %		
		----- bu/acre -----			no.	lb	rating	%	no.	%
Pioneer	31N28(YGCB)	<b>158.5</b>	.	.	103	0.40	1.0	23.1	23414	99
AgraTech	7711RR	<b>155.0</b>	.	.	115	0.35	1.5	21.5	23631	95
DynaGro	58P60	<b>152.1</b>	.	.	137	0.31	1.0	25.8	22869	99
Golden Acres	2989RRB	<b>151.6</b>	.	.	108	0.38	1.5	23.5	22325	95
Pioneer	31G65(RR2)	<b>151.1</b>	.	.	108	0.36	1.0	20.9	23196	100
Croplan Genetics	8950 RR2/Bt	<b>149.3</b>	.	.	103	0.39	1.0	22.0	22869	86
DynaGro	CX06517	<b>146.6</b>	.	.	111	0.38	1.3	25.0	21889	90
Pioneer	31D58	<b>142.7</b>	<b>152.7</b>	.	103	0.44	1.0	23.1	19166	100
Pioneer	31P41	<b>142.7</b>	<b>155.6</b>	.	105	0.38	1.0	22.6	21998	100
Croplan Genetics	851TS	<b>142.0</b>	<b>161.5</b>	<b>158.4</b>	108	0.38	2.0	18.8	20691	91
Golden Acres	2842RRBUS	<b>140.7</b>	.	.	105	0.39	1.3	18.0	20255	92
DeKalb	DKC69-71(RR2/YGCB)	<b>140.7</b>	<b>150.8</b>	<b>148.8</b>	110	0.39	1.0	25.5	20909	96
Garst	8247YG1	<b>140.6</b>	<b>169.5</b>	.	104	0.37	1.0	20.1	21562	97
AgraTech	797RR	<b>136.5</b>	<b>153.5</b>	.	118	0.31	1.0	22.1	22760	98
SS	SS783RR2YGCB	<b>135.3</b>	.	.	117	0.37	1.0	24.9	20147	100
DeKalb	DK67-87 RR2/YGCB	<b>132.4</b>	.	.	110	0.36	2.3	24.0	21235	99
AgraTech	897RR	<b>131.8</b>	.	.	112	0.35	2.3	23.3	20909	100
DeKalb	DK69-43RR2	<b>131.7</b>	.	.	106	0.35	1.0	21.2	21454	99
Croplan Genetics	8702RH	<b>130.0</b>	.	.	110	0.32	1.3	21.2	22325	97
Croplan Genetics	6818TS	<b>128.0</b>	.	.	107	0.33	1.5	19.9	21780	100
DeKalb	DKC66-23 RR2/YGBC	<b>125.6</b>	.	.	105	0.32	1.0	22.0	23196	99
Croplan Genetics	799RB	<b>125.2</b>	<b>150.4</b>	.	104	0.33	1.0	22.5	22107	96
AgraTech	845RR	<b>124.6</b>	.	.	116	0.32	1.0	24.8	21127	99
DeKalb	DKC67-23(RR2/YGCB)	<b>117.5</b>	<b>147.1</b>	.	107	0.30	1.0	18.9	22216	99
Garst	8295YG1/RR	<b>116.3</b>	<b>143.8</b>	.	105	0.32	1.5	24.2	21671	98
<i>Average</i>		137.9	153.9	153.6	109	0.36	1.3	22.3	21828	97
<i>LSD at 10% Level</i>		N.S. <sup>5</sup>	N.S.	N.S.	10	N.S.	N.S.	2.6	2068	N.S.
<i>Std. Err. of Entry Mean</i>		12.6	6.2	5.6	4	0.03	0.2	1.1	878	2

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 18.2%, and df for EMS = 72.
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 21, 2007.  
 Harvested: August 10, 2007.  
 Seeding Rate: 26,500 seeds/acre in 30" rows.  
 Soil Type: Fuquay loamy sand.  
 Soil Test: P = Medium, K = Medium, and pH = 6.0.  
 Fertilization: 25 lb N, 139 lb P<sub>2</sub>O<sub>5</sub>, and 37 lb K<sub>2</sub>O/acre as preplant; 137 lb N/acre as sidedress.  
 Previous Crop: Peanuts.  
 Management: Subsoiled, bedded and rototilled; Sutan and Aatrex used for weed control; Lorsban used for insect control; Telone II used for nematode control.

Test conducted by A. E. Coy, R. Brooke, and R. Jackson.

## Tifton, Georgia: Short-Season Corn Hybrid Performance, 2007, Irrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup>		Ears/100 Plants	Ear Grain Weight	Grain Quality <sup>2</sup>	Grain Moist. <sup>3</sup>	Plant Pop.	Erect Plants	
		2007	2-Year Avg							3-Year Avg
		-----	bu/acre	-----	no.	lb	rating	%	no.	%
DeKalb	DKC61-73 RR2/YGCG	<b>253.5</b>	.	.	102	0.49	1.5	18.3	29294	100
NK	N77-P5	<b>249.4</b>	.	.	101	0.52	1.0	20.9	28532	100
Pioneer	33M57(Hx1/LL/RR2)	<b>248.5</b>	.	.	104	0.49	1.5	22.9	30274	100
Croplan Genetics	7505 RR2	<b>241.7</b>	.	.	102	0.47	1.5	18.8	29403	100
Croplan Genetics	751TS	234.9	.	.	100	0.50	1.0	21.5	28314	100
Croplan Genetics	6831TS	234.4	.	.	101	0.52	1.5	22.2	27334	100
AgraTech	695RR	231.5	.	.	103	0.47	1.5	18.0	27552	100
DeKalb	DK65-47RR2	224.1	.	.	103	0.47	1.5	19.6	27116	100
DeKalb	DK64-27RR2	223.7	.	.	106	0.42	2.0	18.9	29185	100
SS	731CL	213.5	.	.	113	0.45	1.5	22.6	25592	100
DeKalb	DKC63-46 RR2/YGCB	201.3	.	.	101	0.38	2.5	18.4	30165	100
<i>Average</i>		232.4 <sup>4</sup>	.	.	103	0.47	1.5	20.2	28433	100
<i>LSD at 10% Level</i>		16.7			4	0.03	N.S. <sup>5</sup>	2.0	1426	-
<i>Std. Err. of Entry Mean</i>		7.0			2	0.01	0.3	0.8	594	-

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 = 30.
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 23, 2007.

Harvested: August 13, 2007.

Seeding Rate: 31,500 seeds/acre in 30" rows.

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Medium, and pH = 6.0.

Fertilization: 60 lb N, 120 lb P<sub>2</sub>O<sub>5</sub>, and 180 lb K<sub>2</sub>O/acre as preplant; 203 lb N/acre as sidedress.

Previous Crop: Soybean.

Management: Subsoiled, bedded and rototilled; Sutan, Aatrex, Prowl, Permit and Accent used for weed control; Telone II used for nematode control; irrigated 8.0 inches.

Test conducted by A. E. Coy, R. Brooke, and R. Jackson.

## Tifton, Georgia: Mid-Season Corn Hybrid Performance, 2007, Irrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup>			Ears/100 Plants	Ear			Plant Pop. no.	Erect Plants %
		2007	2-Year Avg	3-Year Avg		Grain Weight lb	Grain Quality <sup>2</sup> rating	Grain Moist. <sup>3</sup> %		
		----- bu/acre -----			no.	lb	rating	%	no.	%
DeKalb	DKC69-71(RR2/YGCB)	<b>272.4</b>	<b>270.1</b>	<b>244.1</b>	105	0.57	1.0	24.8	28314	100
Pioneer	31D58	<b>270.3</b>	<b>270.1</b>	.	105	0.55	1.5	19.1	27443	100
Garst	8247YG1	<b>264.6</b>	<b>262.3</b>	.	100	0.57	2.0	19.5	27225	100
Pioneer	31P41	<b>263.2</b>	<b>262.6</b>	.	101	0.57	1.0	19.2	26899	100
Pioneer	31N28(YGCB)	<b>262.6</b>	.	.	103	0.54	2.0	21.2	28314	100
Pioneer	31G65(RR2)	<b>261.3</b>	.	.	108	0.52	1.0	18.7	27334	100
DynaGro	CX06517	<b>260.0</b>	.	.	103	0.53	2.0	23.2	29512	100
Golden Acres	2842RRBUS	<b>258.6</b>	.	.	101	0.54	2.0	19.2	28096	100
Croplan Genetics	8950 RR2/Bt	<b>256.9</b>	.	.	101	0.54	1.0	20.8	28096	100
Golden Acres	2989RRB	254.0	.	.	103	0.55	1.5	22.7	27769	100
AgraTech	7711RR	251.8	.	.	104	0.49	2.0	17.9	28314	100
DeKalb	DKC66-23 RR2/YGCB	251.4	.	.	103	0.51	1.5	19.4	28423	100
Garst	8295YG1/RR	250.5	245.1	.	101	0.55	1.5	22.7	27443	100
SS	SS783RR2YGCB	244.9	.	.	103	0.52	1.0	20.1	27007	100
DeKalb	DK67-87 RR2/YGCB	244.2	.	.	102	0.51	2.5	22.5	28532	100
AgraTech	797RR	243.3	244.9	.	110	0.51	2.5	24.6	27334	100
Croplan Genetics	8702RH	242.2	.	.	103	0.47	1.0	17.3	28532	100
DeKalb	DKC67-23(RR2/YGCB)	239.0	234.9	.	104	0.52	1.0	19.2	25918	100
AgraTech	845RR	238.6	.	.	103	0.49	1.0	20.3	27769	100
AgraTech	897RR	236.8	.	.	104	0.48	1.0	20.7	28532	100
Croplan Genetics	851TS	234.5	251.9	<b>231.3</b>	101	0.50	2.0	19.2	27334	100
Croplan Genetics	799RB	231.0	238.5	.	100	0.54	1.5	19.0	24830	100
DeKalb	DK69-43RR2	230.4	.	.	105	0.50	1.5	18.7	25918	100
Croplan Genetics	6818TS	225.6	.	.	104	0.46	1.0	18.5	27334	100
DynaGro	58P60	217.1	.	.	106	0.47	1.5	22.4	26463	99
<i>Average</i>		248.2 <sup>4</sup>	253.4	237.7	103	0.52	1.5	20.4	27547	100
<i>LSD at 10% Level</i>		16.9	11.8	N.S. <sup>5</sup>	4	0.04	0.8	1.5	1758	-
<i>Std. Err. of Entry Mean</i>		7.2	4.9	4.4	2	0.02	0.2	0.6	746	-

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 5.8%, and df for EMS = 72.
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 23, 2007.  
 Harvested: August 13, 2007.  
 Seeding Rate: 30,000 seeds/acre in 30" rows.  
 Soil Type: Tifton loamy sand.  
 Soil Test: P = High, K = Medium, and pH = 6.0.  
 Fertilization: 60 lb N, 120 lb P<sub>2</sub>O<sub>5</sub>, and 180 lb K<sub>2</sub>O/acre as preplant; 203 lb N/acre as sidedress.  
 Previous Crop: Soybean.  
 Management: Subsoiled, bedded and rototilled; Sutan, Aatrex, Prowl, Permit and Accent used for weed control; Telone II used for nematode control; irrigated 8.0 inches.

Test conducted by A. E. Coy, R. Brooke, and R. Jackson.

## Tifton, Georgia: Preliminary Corn Hybrid Performance, 2007, Irrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup> bu/acre	Ears/100 Plants no.	Ear Grain Weight lb	Grain Quality <sup>2</sup> rating	Grain Moist. <sup>3</sup> %	Plant Pop. no.	Erect Plants %
AgraTech	7754	<b>256.4</b>	110	0.50	1.0	19.7	27552	100
Croplan Genetics	851TS	<b>252.8</b>	101	0.54	1.5	19.5	27334	100
AgraTech	7177	<b>251.0</b>	102	0.54	1.5	18.6	26681	100
Pioneer	33M57(Hx1/LL/RR2)	<b>248.7</b>	109	0.49	2.0	21.1	28205	100
DeKalb	DKC61-73 RR2/YGCG	<b>246.5</b>	107	0.49	2.3	17.3	26899	100
Greenwood	TL3450RR	<b>245.8</b>	101	0.56	2.0	20.6	25809	100
AgraTech	7694	<b>241.0</b>	105	0.49	1.5	18.4	27443	100
DeKalb	DKC66-23 RR2/YGBC	238.9	103	0.49	1.0	20.6	28314	100
NK	N77-P5	238.8	102	0.51	2.0	18.7	26899	100
Pioneer	31N28(YGCB)	235.9	106	0.52	2.0	22.2	26027	100
AgraTech	7901	233.6	102	0.46	1.0	20.7	29621	100
AgraTech	7801	231.9	103	0.49	1.5	18.5	26898	100
Croplan Genetics	6831TS	230.6	105	0.49	2.0	21.4	26789	100
AgraTech	7907RR	222.8	103	0.47	1.5	20.7	27443	100
Greenwood	TL3550YGCBRR	203.4	109	0.44	1.0	24.6	26899	100
Greenwood	TL3525YBCBRR	201.8	106	0.43	1.0	23.1	27116	100
Greenwood	GW775	188.2	105	0.41	1.0	16.5	25047	100
<i>Average</i>		233.4 <sup>4</sup>	104	0.49	1.5	20.1	27116	100
<i>LSD at 10% Level</i>		15.6	5	0.04	N.S. <sup>5</sup>	1.8	1355	-
<i>Std. Err. of Entry Mean</i>		6.6	2	0.01	0.3	0.8	572	-

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 = 48.
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 23, 2007.  
 Harvested: August 13, 2007.  
 Seeding Rate: 31,500 seeds/acre in 30" rows.  
 Soil Type: Tifton loamy sand.  
 Soil Test: P = High, K = Medium, and pH = 6.0.  
 Fertilization: 60 lb N, 120 lb P<sub>2</sub>O<sub>5</sub>, and 180 lb K<sub>2</sub>O/acre as preplant; 203 lb N/acre as sidedress.  
 Previous Crop: Soybean.  
 Management: Subsoiled, bedded and rototilled; Sutan, Aatrex, Prowl, Permit and Accent used for weed control; Telone II used for nematode control; irrigated 8.0 inches.

Test conducted by A. E. Coy, R. Brooke, and R. Jackson.

## Plains, Georgia: Short-Season Corn Hybrid Performance, 2007, Irrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup>		Ears/100 Plants	Ear Grain Weight	Grain Quality <sup>2</sup>	Grain Moist. <sup>3</sup>	Plant Pop.	Erect Plants
		2007	2-Year Avg						
		----- bu/acre	-----	no.	lb	rating	%	no.	%
NK	N77-P5	<b>221.9</b>	.	.	.	.	15.2	.	78
Pioneer	33M57(Hx1/LL/RR2)	<b>215.4</b>	.	.	.	.	15.9	.	70
SS	731CL	<b>212.2</b>	.	.	.	.	16.3	.	50
Croplan Genetics	7505 RR2	<b>211.7</b>	.	.	.	.	15.8	.	100
DeKalb	DKC61-73 RR2/YGCG	<b>208.0</b>	.	.	.	.	15.0	.	95
DeKalb	DK64-27RR2	181.5	.	.	.	.	15.5	.	97
DeKalb	DK65-47RR2	179.9	.	.	.	.	15.6	.	92
Croplan Genetics	6831TS	179.7	.	.	.	.	15.8	.	55
AgraTech	695RR	171.9	.	.	.	.	15.0	.	78
DeKalb	DKC63-46 RR2/YGCB	155.1	.	.	.	.	14.8	.	75
Croplan Genetics	751TS	151.7	.	.	.	.	16.0	.	65
<i>Average</i>		189.9 <sup>4</sup>	.	.	.	.	15.5	.	78
<i>LSD at 10% Level</i>		17.4					0.3		-
<i>Std. Err. of Entry Mean</i>		7.2					0.1		-

**NOTE:** A severe rain storm with high wind and hail on June 26 caused stalk lodging.

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 = 30.

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

Planted: March 22, 2007.

Harvested: September 7, 2007.

Seeding Rate: 31,500 seeds/acre in 30" rows.

Soil Type: Greenville sandy loam.

Soil Test: P = Low, K = Medium, and pH = 6.0.

Fertilization: 116 lb N, 88 lb P<sub>2</sub>O<sub>5</sub>, and 24 lb K<sub>2</sub>O/acre as preplant; 200 lb N/acre as sidedress.

Previous Crop: Soybean.

Management: Subsoiled, chiseled and rototilled; Aatrex, Prowl and one cultivation used for weed control; irrigated 15.0 inches.

Test conducted by A. E. Coy, R. Brooke, and R. Jackson.



## Plains, Georgia: Mid-Season Corn Hybrid Performance, 2007, Irrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup>		Ears/100 Plants	Ear		Plant Pop. no.	Erect Plants %
		2007	2-Year Avg bu/acre		3-Year Avg bu/acre	Grain Weight lb		
Pioneer	31D58	<b>255.0</b>	<b>236.3</b>	.	.	2.0	15.7	75
Pioneer	31P41	232.0	<b>224.3</b>	.	.	1.0	15.5	68
Croplan Genetics	8950 RR2/Bt	229.0	.	.	.	2.0	15.9	30
Garst	8247YG1	228.3	<b>234.7</b>	.	.	2.0	15.5	52
Garst	8295YG1/RR	227.0	<b>217.4</b>	.	.	2.0	15.8	68
AgraTech	897RR	210.1	.	.	.	2.0	21.9	82
Pioneer	31G65(RR2)	206.5	.	.	.	1.0	15.6	52
DynaGro	CX06517	206.2	.	.	.	3.0	16.5	67
DeKalb	DK67-87 RR2/YGCB	206.2	.	.	.	1.0	15.5	55
AgraTech	845RR	201.9	.	.	.	2.0	15.9	60
DeKalb	DK69-43RR2	201.7	.	.	.	2.0	15.9	70
Golden Acres	2989RRB	200.2	.	.	.	2.0	16.1	35
Croplan Genetics	799RB	198.1	<b>221.1</b>	.	.	3.0	15.9	35
DeKalb	DKC69-71(RR2/YGCB)	195.7	<b>203.4</b>	<b>188.6</b>	.	1.0	16.3	45
AgraTech	797RR	194.1	<b>197.4</b>	.	.	3.0	16.2	65
AgraTech	7711RR	194.0	.	.	.	1.0	15.3	55
DynaGro	58P60	193.9	.	.	.	3.0	15.9	35
Pioneer	31N28(YGCB)	191.0	.	.	.	1.0	16.2	40
DeKalb	DKC66-23 RR2/YGBC	188.6	.	.	.	2.0	15.6	42
Golden Acres	2842RRBUS	185.6	.	.	.	3.0	16.6	40
SS	SS783RR2YGCB	183.9	.	.	.	2.0	16.0	35
Croplan Genetics	6818TS	182.4	.	.	.	3.0	15.5	40
DeKalb	DKC67-23(RR2/YGCB)	182.3	<b>177.9</b>	.	.	2.0	15.5	30
Croplan Genetics	851TS	168.2	<b>196.6</b>	<b>172.4</b>	.	1.0	15.6	28
Croplan Genetics	8702RH	155.8	.	.	.	2.0	15.9	45
<i>Average</i>		200.7 <sup>4</sup>	212.1	180.5	.	2.0	16.1	50
<i>LSD at 10% Level</i>		22.7	N.S. <sup>5</sup>	N.S.	.	-	N.S.	-
<i>Std. Err. of Entry Mean</i>		9.6	4.7	6.1	.	-	1.2	-

**NOTE:** A severe rain storm with high wind and hail on June 26 caused stalk lodging.

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 9.6%, and df for EMS = 72.

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

Planted: March 22, 2007.

Harvested: September 7, 2007.

Seeding Rate: 31,500 seeds/acre in 30" rows.

Soil Type: Greenville sandy loam.

Soil Test: P = Low, K = Medium, and pH = 6.0.

Fertilization: 116 lb N, 88 lb P<sub>2</sub>O<sub>5</sub>, and 24 lb K<sub>2</sub>O/acre as preplant; 200 lb N/acre as sidedress.

Previous Crop: Soybean.

Management: Subsoiled, chiseled and rototilled; Aatrex, Prowl and one cultivation used for weed control; irrigated 15.0 inches.

Test conducted by A. E. Coy, R. Brooke, and R. Jackson.

## Midville, Georgia: Short-Season Corn Hybrid Performance, 2007, Irrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup>		Ears/100 Plants	Ear Grain Weight	Grain Quality <sup>2</sup>	Grain Moist. <sup>3</sup>	Plant Pop.	Erect Plants	
		2007	2-Year Avg							3-Year Avg
		-----	bu/acre	-----	no.	lb	rating	%	no.	%
Croplan Genetics	751TS	<b>253.8</b>	.	.	101	0.48	.	16.0	29662	98
Pioneer	33M57(Hx1/LL/RR2)	<b>250.0</b>	.	.	108	0.43	.	16.1	30779	94
SS	731CL	<b>246.5</b>	.	.	113	0.42	.	16.1	29576	99
NK	N77-P5	<b>242.4</b>	.	.	103	0.44	.	16.1	30607	89
Croplan Genetics	6831TS	<b>242.1</b>	.	.	105	0.41	.	15.7	31553	100
AgraTech	695RR	<b>241.1</b>	.	.	105	0.45	.	15.5	28974	92
DeKalb	DK64-27RR2	236.6	.	.	106	0.43	.	15.8	29060	98
DeKalb	DKC61-73 RR2/YGCG	232.8	.	.	105	0.42	.	15.4	29833	94
Croplan Genetics	7505 RR2	227.9	.	.	105	0.42	.	16.1	29318	100
DeKalb	DK65-47RR2	226.2	.	.	101	0.44	.	15.9	28544	100
DeKalb	DKC63-46 RR2/YGCB	223.9	.	.	106	0.37	.	15.4	31553	100
<i>Average</i>		238.5 <sup>4</sup>	.	.	105	0.43	.	15.8	29951	97
<i>LSD at 10% Level</i>		15.4			5	N.S. <sup>5</sup>		0.2	N.S.	6
<i>Std. Err. of Entry Mean</i>		6.4			2	0.02		0.1	940	3

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 = 30.
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 27, 2007.  
 Harvested: September 6, 2007.  
 Seeding Rate: 32,000 seeds/acre in 30" rows.  
 Soil Type: Dothan loamy sand.  
 Soil Test: P = Medium, K = Medium, and pH = 6.8.  
 Fertilization: 60 lb N, 120 lb P<sub>2</sub>O<sub>5</sub>, and 180 lb K<sub>2</sub>O/acre as preplant; 210 lb N/acre as sidedress.  
 Previous Crop: Soybeans.  
 Management: Subsoiled and bedded; rototilled; Aatrex, Prowl, Sutan and Basagran used for weed control; irrigated 19.0 inches.

Test conducted by A. E. Coy, R. Brooke, and R. Jackson.

## Midville, Georgia: Mid-Season Corn Hybrid Performance, 2007, Irrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup>			Ears/100 Plants	Ear Grain Weight	Grain Quality <sup>2</sup> rating	Grain Moist. <sup>3</sup> %	Plant Pop. no.	Erect Plants %
		2007	2-Year Avg	3-Year Avg						
Pioneer	31G65(RR2)	<b>272.1</b>	.	.	112	0.52	.	17.6	27082	93
Pioneer	31P41	<b>266.5</b>	<b>250.5</b>	.	101	0.52	.	16.0	28544	99
Golden Acres	2989RRB	<b>261.2</b>	.	.	113	0.51	.	17.1	25793	99
DeKalb	DKC66-23 RR2/YGBC	<b>260.9</b>	.	.	107	0.51	.	16.4	27168	93
AgraTech	845RR	<b>258.7</b>	.	.	131	0.39	.	17.4	29146	100
Garst	8247YG1	<b>256.5</b>	<b>239.0</b>	.	102	0.52	.	19.7	28716	94
Garst	8295YG1/RR	246.5	<b>234.3</b>	.	103	0.48	.	16.8	28716	99
Croplan Genetics	851TS	245.3	<b>231.2</b>	<b>208.2</b>	104	0.51	.	16.0	26309	99
Croplan Genetics	8702RH	243.5	.	.	108	0.50	.	15.8	25965	100
Pioneer	31D58	242.9	<b>230.7</b>	.	101	0.46	.	16.7	29919	100
AgraTech	7711RR	241.7	.	.	107	0.45	.	16.1	29060	95
Golden Acres	2842RRBUS	240.7	.	.	103	0.48	.	18.3	28286	98
DeKalb	DK67-87 RR2/YGCB	240.3	.	.	102	0.46	.	16.7	29404	99
DeKalb	DKC67-23(RR2/YGCB)	239.0	<b>230.9</b>	.	110	0.45	.	17.8	28028	100
Pioneer	31N28(YGCB)	236.6	.	.	106	0.45	.	21.0	30177	100
DynaGro	58P60	235.3	.	.	127	0.41	.	18.6	26910	99
DynaGro	CX06517	231.1	.	.	103	0.42	.	16.7	30263	100
SS	SS783RR2YGCB	229.6	.	.	105	0.43	.	16.3	29146	98
Croplan Genetics	799RB	228.2	<b>223.0</b>	.	103	0.47	.	20.4	28114	95
DeKalb	DKC69-71(RR2/YGCB)	227.2	<b>224.0</b>	<b>207.6</b>	102	0.43	.	17.6	29833	100
Croplan Genetics	8950 RR2/Bt	225.9	.	.	104	0.43	.	17.4	29576	89
DeKalb	DK69-43RR2	222.6	.	.	102	0.42	.	16.5	29318	100
AgraTech	797RR	221.4	<b>225.2</b>	.	110	0.40	.	16.9	28974	98
Croplan Genetics	6818TS	221.3	.	.	114	0.37	.	16.6	29576	98
AgraTech	897RR	213.8	.	.	102	0.39	.	16.9	30349	100
<i>Average</i>		240.3 <sup>4</sup>	232.1	207.9	107	0.45	.	17.3	28575	98
<i>LSD at 10% Level</i>		23.6	N.S. <sup>5</sup>	N.S.	7	0.06		N.S.	1917	4
<i>Std. Err. of Entry Mean</i>		10.0	7.2	4.5	3	0.03		1.5	813	2

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 8.4%, and df for EMS = 72.
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 27, 2007.  
 Harvested: September 6, 2007.  
 Seeding Rate: 30,500 seeds/acre in 30" rows.  
 Soil Type: Dothan loamy sand.  
 Soil Test: P = Medium, K = Medium, and pH = 6.8.  
 Fertilization: 60 lb N, 120 lb P<sub>2</sub>O<sub>5</sub>, and 180 lb K<sub>2</sub>O/acre as preplant; 210 lb N/acre as sidedress.  
 Previous Crop: Soybeans.  
 Management: Subsoiled and bedded; rototilled; Aatrex, Prowl, Sutan and Basagran used for weed control; irrigated 19.0 inches.

Test conducted by A. E. Coy, R. Brooke, and R. Jackson.