

Piedmont Region

Griffin, Georgia:

Short-Season Corn Hybrid Performance, 2007, 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	
		2007	2-Year Avg							3-Year Avg
		----- bu/acre	-----	no.	lb	rating	%	no.	%	
NK	N77-P5	203.8	.	.	101	0.38	1.0	17.6	30653	100
AgraTech	695RR	203.6	.	.	101	0.37	1.2	15.4	30492	100
DeKalb	DKC61-73 RR2/YGCG	194.2	.	.	102	0.35	1.2	15.8	30653	100
Croplan Genetics	6831TS	191.2	.	.	102	0.35	1.0	16.8	30492	100
SS	731CL	178.1	.	.	107	0.35	1.2	17.2	27265	100
Pioneer	33M57(Hx1/LL/RR2)	169.7	.	.	100	0.33	1.0	16.8	29847	100
DeKalb	DK65-47RR2	169.4	.	.	101	0.32	2.1	17.0	30008	100
DeKalb	DK64-27RR2	168.5	.	.	101	0.34	2.0	18.2	28395	100
DeKalb	DKC63-46 RR2/YGCB	162.3	.	.	105	0.31	2.2	15.7	28717	100
Average		182.3 ⁴	.	.	102	0.34	1.4	16.7	29614	100
<i>LSD at 10% Level</i>		23.8			N.S. ⁵	N.S.	0.2	0.5	N.S.	-
<i>Std. Err. of Entry Mean</i>		9.5			2	0.02	0.1	0.2	1512	-

1. Yields calculated at 15.5% moisture.

2. Grain quality rating: 1 = excellent to 5 = poor.

3. Grain moisture at harvest.

4. CV = 9.2%, and df for EMS = 16.

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 3, 2007.

Harvested: August 22, 2007.

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

Soil Type: Cecil sandy loam.

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

Fertilization: 75 lb N, 100 lb P₂O₅, and 150 lb K₂O/acre as preplant; 100 lb N/acre as sidedress.

Previous Crop: Soybean.

Management: Moldboard plowed, disked, and rototilled; Atrazine and Lasso used for weed control; irrigated 15.0 inches.

Test conducted by J. Gassett and G. Ware.

Griffin, Georgia: Mid-Season Corn Hybrid Performance, 2007, 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
		2007	2-Year Avg	3-Year Avg						
		----- bu/acre -----			no.	lb	rating	%	no.	%
Pioneer	31G65(RR2)	217.8	.	.	110	0.39	1.0	16.3	28677	100
Garst	8247YG1	211.5	.	.	100	0.45	1.5	18.0	27104	100
Pioneer	31D58	204.3	159.8	.	101	0.40	1.5	16.9	29161	100
Garst	8295YG1/RR	199.0	168.8	.	101	0.39	1.5	18.2	29524	100
DynaGro	58P60	198.3	.	.	104	0.38	1.8	17.9	29040	100
AgraTech	7711RR	196.5	.	.	102	0.36	1.5	16.5	30008	100
DeKalb	DKC66-23 RR2/YGBC	193.3	.	.	102	0.38	1.5	17.7	28798	100
DeKalb	DKC69-71(RR2/YGCB)	192.7	157.3	168.8	101	0.38	1.3	17.3	28919	100
Croplan Genetics	851TS	189.4	155.0	170.1	100	0.41	1.5	16.8	26136	100
DeKalb	DKC67-23(RR2/YGCB)	183.9	144.6	.	104	0.38	1.3	18.0	26983	100
Pioneer	31N28(YGCB)	176.4	.	.	104	0.37	1.0	17.1	26257	100
DeKalb	DK67-87 RR2/YGCB	176.3	.	.	103	0.37	1.5	18.6	27104	100
Pioneer	31P41	174.5	144.5	.	101	0.34	1.5	17.0	29403	100
AgraTech	897RR	172.2	.	.	100	0.34	1.3	17.8	29161	100
DeKalb	DK69-43RR2	169.2	.	.	98	0.34	1.5	17.1	29161	100
SS	SS783RR2YGCB	168.3	.	.	101	0.35	1.5	16.1	26983	100
Average		189.0 ⁴	155.0	169.5	102	0.38	1.4	17.3	28276	100
LSD at 10% Level		18.9	N.S. ⁵	N.S.	4	0.04	0.3	0.4	1960	-
Std. Err. of Entry Mean		8.0	6.8	4.2	2	0.02	0.1	0.2	825	-

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 = 45.
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 3, 2007.

Harvested: August 23, 2007.

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

Soil Type: Cecil sandy loam.

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

Fertilization: 75 lb N, 100 lb P₂O₅, and 150 lb K₂O/acre as preplant; 100 lb N/acre as sidedress.

Previous Crop: Soybean.

Management: Moldboard plowed, disked, and rototilled; Atrazine and Lasso used for weed control; irrigated 15.0 inches.

Test conducted by J. Gassett and G. Ware.