

Piedmont Region

Griffin, Georgia:

Short-Season Corn Hybrid Performance, 2010, Irrigated

Company or Brand Name	Hybrid Name	Yield ¹		Ears/ 100 Plants	Ear Grain Wt. lb	Grain Quality ² rating	Grain Moist. ³ %	Plant Pop. no.	Erect Plants %	
		2010	2-Yr Avg bu/acre							3-Yr Avg
NK	N78N3000GT	276.4	190.9	.	100	0.51	1.8	18.2	31460	100
Terral-REV™	25HR39™	274.5	163.9	.	101	0.50	1.3	16.8	30855	100
Terral-REV™	25R19™	274.1	.	.	102	0.50	1.1	16.4	30492	100
Pioneer	P1456HR	273.2	.	.	103	0.48	1.9	18.0	31581	100
Terral-REV™	25HR49™	272.5	161.4	.	100	0.50	2.0	17.1	31460	100
DeKalb	DKC64-69(GENVT3P)	265.7	.	.	100	0.51	1.6	17.3	29766	100
Terral-REV™	25R29™	265.4	.	.	101	0.51	2.0	17.5	29887	100
NK	N77P3000GT	262.2	189.0	.	100	0.49	1.5	17.5	30613	100
DeKalb	DKC63-84(VT3)	261.3	169.1	.	102	0.49	1.6	16.2	30008	100
DeKalb	DKC62-54(VT3)	256.8	164.4	.	102	0.47	1.5	16.3	30613	100
Croplan Genetics	7131 VT3	249.9	154.7	.	103	0.46	2.1	17.8	30613	100
Croplan Genetics	6725 VT3 PRO	249.1	.	.	103	0.43	1.5	16.3	31702	100
DeKalb	DKC62-97(GENVT3P)	245.3	.	.	100	0.44	1.5	16.1	31702	100
Dyna-Gro	57V59	242.2	.	.	102	0.42	1.5	16.0	31702	100
NK	N78B GT	238.8	.	.	100	0.42	1.6	17.8	32549	100
<i>Average</i>		260.5 ⁴	170.5	.	101	0.48	1.6	17.0	31000	100
<i>LSD at 10% Level</i>		15.0	N.S. ⁵		N.S.	0.03	0.4	0.4	N.S.	-
<i>Std. Err. of Entry Mean</i>		6.3	7.0		1	0.01	0.1	0.2	748	-

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 = 42.
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 1, 2010.
 Harvested: August 31, 2010.
 Seeding Rate: 33,000 seeds/acre in 30" rows.
 Soil Type: Pacolet sandy loam.
 Soil Test: P = Medium, K = High, and pH = 6.1.
 Fertilization: 75 lb N, 150 lb P₂O₅, and 225 lb K₂O/acre as preplant; 175 lb N/acre as sidedress.
 Previous Crop: Soybeans.
 Management: Moldboard plowed, disked and rototilled; Lasso, Atrazine and one cultivation used for weed control; irrigated 11.0 inches.

Test conducted by J. Gassett and G. Ware.

Griffin, Georgia: Mid-Season Corn Hybrid Performance, 2010, Irrigated

Company or Brand Name	Hybrid Name	Yield ¹		Ears/ 100 Plants	Ear Grain Wt. lb	Grain Quality ² rating	Grain Moist. ³ %	Plant Pop. no.	Erect Plants %	
		2010	2-Yr Avg bu/acre							3-Yr Avg
Terral-REV™	26HR50™	295.6	198.8	.	100	0.55	1.3	18.3	30855	100
Terral-REV™	28R10™	277.4	.	.	100	0.51	1.6	17.1	31097	100
NK	N82V3000GT	272.6	197.1	.	100	0.50	2.1	17.3	31218	100
Pioneer	P1615HR	262.9	.	.	100	0.50	1.5	16.8	30008	100
MC	MC-630	262.3	.	.	101	0.48	1.3	16.0	30613	100
Terral-REV™	28HR30™	261.1	.	.	102	0.48	1.4	18.0	30734	100
Pioneer	P2023HR	260.6	.	.	101	0.49	2.0	17.3	30613	100
Terral-REV™	28HR20™	259.9	187.8	.	104	0.47	1.8	17.0	30844	100
Pioneer	31P42 (HX1,LL,RR2)	259.0	.	.	101	0.47	1.8	16.4	31339	100
NK	N78S CB/LL	255.7	.	.	101	0.48	2.0	16.7	30250	100
DeKalb	DKC66-96(GENVT3P)	255.6	.	.	101	0.46	1.5	16.7	31097	100
Terral-REV™	28R30™	255.4	177.2	.	100	0.48	1.5	18.0	30734	100
DeKalb	DKC67-21(GENVT3P)	248.9	.	.	101	0.46	1.4	17.0	30492	100
Dyna-Gro	58V69	248.5	179.6	.	101	0.44	2.0	17.4	32186	100
MC	MC-590	245.3	164.2	.	100	0.44	1.8	15.8	31218	99
Dyna-Gro	V5683VT3	243.6	.	.	106	0.41	2.1	15.4	31339	100
Croplan Genetics	8756 VT3	238.9	.	.	102	0.42	1.1	16.5	31218	99
Dyna-Gro	D56VP24	231.1	.	.	100	0.42	2.0	16.2	31150	100
Dyna-Gro	58VP99	230.7	.	.	102	0.41	1.6	15.6	30855	100
DeKalb	DKC69-71(RR2/YGCB)	223.8	180.3	172.7	101	0.40	1.1	17.2	31581	100
Golden Acres	27V01	214.6	.	.	100	0.40	2.0	16.0	30129	99
Croplan Genetics	9009 RH	210.0	.	.	100	0.40	1.0	21.0	31207	100
DeKalb	DKC68-05(GENVT3P)	208.7	.	.	101	0.39	2.0	16.2	30008	100
AgraTech	815CBLL	194.4	.	.	99	0.36	2.0	16.8	30976	94
<i>Average</i>		246.5 ⁴	183.6	172.7	101	0.45	1.7	16.9	30907	99
<i>LSD at 10% Level</i>		21.4	N.S. ⁵	-	2	0.03	0.3	0.9	N.S.	N.S.
<i>Std. Err. of Entry Mean</i>		9.1	8.6	-	1	0.02	0.1	0.4	502	1

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 7.4%, and df for EMS = 69.
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 1, 2010.
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