

Piedmont Region

Griffin, Georgia:

Short-Season Corn Hybrid Performance, 2009, 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 %	
		2009	2-Yr Avg							3-Yr Avg
Southern States	SS746VT3	122.5	159.2	.	100	0.23	2.3	18.8	30492	100
NK	N77P3000GT	115.8	.	.	99	0.22	2.8	19.6	31823	100
NK	N78BCB/LL	108.4	.	.	100	0.21	2.1	19.0	30129	100
NK	N78N3000GT	105.5	.	.	99	0.21	3.1	20.6	29766	100
Pioneer	33M57(Hx1/LL/RR2)	90.3	134.7	146.3	92	0.18	2.9	20.3	31339	100
NK	N73YCB/LL	90.1	.	.	98	0.17	3.1	19.1	30613	100
DeKalb	DKC61-69(VT3)	85.8	134.2	.	98	0.16	3.1	18.2	31702	100
DeKalb	DKC61-04(VT3)	84.0	.	.	96	0.15	2.8	18.9	32791	100
SS	731CL	81.1	127.5	144.3	99	0.16	2.5	18.6	30129	100
DeKalb	DKC63-84(VT3)	76.9	.	.	93	0.15	2.5	19.5	32912	100
Croplan Genetics	6986VT3	73.1	.	.	96	0.14	2.4	19.1	31339	100
DeKalb	DKC62-54(VT3)	71.9	.	.	97	0.13	3.3	16.9	31702	100
Croplan Genetics	7131VT3	59.4	.	.	104	0.10	2.9	18.9	31944	100
DynaGro	V5373VT3	57.6	131.5	.	96	0.11	3.1	17.5	32549	100
Terral-REV™	RV2539HR	53.3	.	.	87	0.11	2.6	17.9	31339	100
AgraTech	1777	50.7	.	.	88	0.10	2.9	16.8	32670	100
Terral-REV™	RV2549HR	50.4	.	.	92	0.10	2.9	17.9	31218	100
DynaGro	57N73	44.9	.	.	87	0.11	2.8	17.5	30008	100
AgraTech	645RR	42.2	.	.	82	0.09	2.5	18.5	31702	100
<i>Average</i>		77.0 ⁴	137.4	145.3	95	0.15	2.8	18.6	31377	100
<i>LSD at 10% Level</i>		23.6	N.S. ⁵	N.S.	10	0.04	0.5	0.8	1669	-
<i>Std. Err. of Entry Mean</i>		9.9	6.6	6.4	4	0.02	0.2	0.3	705	-

1. Yields calculated at 15.5% moisture.

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

3. Grain moisture at harvest.

4. CV = 25.8%, and df for EMS = 54.

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 29, 2009.

Harvested: September 29, 2009.

Seeding Rate: 33,000 seeds/acre in 30" rows.

Soil Type: Pacolet coarse sandy loam.

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

Fertilization: 75 lb N, 150 lb P₂O₅, and 225 lb K₂O/acre as preplant; 100 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, 2009, 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 %	
		2009	2-Yr Avg bu/acre							3-Yr Avg
DynaGro	58V24	149.3	.	.	100	0.30	2.6	18.8	29040	100
DynaGro	V6083VT3	136.9	.	.	101	0.25	2.3	19.5	31581	100
DeKalb	DKC69-71(RR2/YGCB)	136.9	147.1	162.3	101	0.28	2.3	19.3	28677	100
Croplan Genetics	8221VT3	127.9	166.5	.	99	0.26	2.0	17.8	28072	100
DynaGro	58K02	124.6	.	.	89	0.30	2.1	20.3	27830	100
Golden Acres	28Y97	123.0	.	.	101	0.25	3.0	19.2	28435	100
DynaGro	V6263VT3	122.5	.	.	100	0.28	2.1	20.1	25894	100
DeKalb	DKC68-06(RR2/YGCB)	122.1	.	.	101	0.26	2.5	19.3	26862	100
NK	N82V3000GT	121.6	.	.	103	0.22	3.1	20.1	32428	100
AgraTech	825RR	117.6	.	.	99	0.24	2.5	18.6	28919	100
Terral-REV™	RV2820HR	115.8	.	.	98	0.25	2.9	19.8	28556	100
DynaGro	58V69	110.8	.	.	100	0.22	2.5	19.7	29645	100
DeKalb	DKC67-23(RR2/YGCB)	110.6	.	.	100	0.22	2.5	18.7	29161	100
Golden Acres	28Z89	108.4	143.6	.	99	0.22	2.4	19.4	29403	100
DeKalb	DKC67-87(RR2/YGCB)	105.8	.	.	96	0.22	2.5	19.2	29282	100
Terral-REV™	RV2650HR	102.1	.	.	95	0.22	2.5	19.5	28798	100
Unity Seeds	4413VTTRIPLE	100.8	.	.	97	0.21	2.1	16.8	27588	100
DeKalb	DKC69-40(VT3)	100.3	.	.	97	0.20	2.4	19.1	29645	100
Terral-REV™	RV2830R	99.1	.	.	85	0.23	2.5	19.8	29040	100
Terral-REV™	RV2670HR	95.5	.	.	87	0.20	2.4	19.0	29645	100
Terral-REV™	RV2660R	94.7	.	.	96	0.19	3.1	18.0	29645	100
Croplan Genetics	851VT3	94.6	143.8	159	95	0.20	2.8	18.6	28193	100
Unity Seeds	4412VT3	89.0	.	.	93	0.19	3.1	17.1	28919	100
MC	MC590	83.2	.	.	94	0.19	2.5	18.3	26862	100
Pioneer	31P41	77.4	132.2	146.3	86	0.17	2.6	18.7	28798	100
Pioneer	31N28(YGCB)	61.4	99.8	125.3	81	0.14	2.5	18.7	30129	100
<i>Average</i>		108.9 ⁴	138.8	148.2	96	0.23	2.5	19	28886	100
<i>LSD at 10% Level</i>		33.9	N.S. ⁵	N.S.	7	0.07	0.6	0.5	1929	-
<i>Std. Err. of Entry Mean</i>		14.4	9.7	7.4	3	0.03	0.2	0.2	819	-

Griffin, Georgia:
Mid-Season Corn Hybrid Performance, 2009, 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 = 26.4%, and df for EMS = 75.
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 29, 2009.

Harvested: September 29, 2009.

Seeding Rate: 32,500 seeds/acre in 30" rows.

Soil Type: Pacolet coarse sandy loam.

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

Fertilization: 75 lb N, 150 lb P₂O₅, and 225 lb K₂O/acre as preplant; 100 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.