

North Georgia Region

Calhoun, Georgia:

Short-Season Corn Hybrid Performance, 2011, Nonirrigated

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 %
		2011	2-Yr Avg	3-Yr Avg						
Dyna-Gro	57N73	174.8	124.6	127.6	107	0.35	1.5	14.8	26245	100
Terral-REV™	25HR39™	172.7	125.6	133.7	112	0.37	2.0	15.0	23522	100
Terral-REV™	25R19™	167.2	116.9	.	106	0.39	1.8	15.1	22542	99
Croplan Genetics	7131 VT3	165.6	130.5	145.6	114	0.32	1.8	14.2	25265	100
NK Brand	N72F 3000GT	155.4	.	.	113	0.30	2.0	13.7	25156	100
Pioneer	P1456HR	155.1	117.9	.	109	0.31	1.8	13.6	25374	98
NK Brand	N77P 3111	143.6	.	.	113	0.29	1.5	13.6	23414	100
Southern States	SS 684 GENSS	140.3	.	.	102	0.32	2.0	13.7	23414	100
Terral-REV™	25HR49™	139.5	109.4	115.4	108	0.34	2.3	14.7	21127	100
Dyna-Gro	D55Q80	139.0	.	.	108	0.29	1.9	14.2	25047	99
DeKalb	DKC64-69(GENVT3P)	135.0	126.2	.	108	0.31	1.5	13.8	22869	100
Dyna-Gro	57V59	117.3	.	.	111	0.25	2.5	12.3	23305	100
DeKalb	DKC65-19	109.8	.	.	110	0.26	1.6	13.8	21998	100
AgraTech	1777	100.9	.	.	109	0.24	1.9	14.6	21889	98
<i>Average</i>		144.0 ⁴	121.6	130.6	109	0.31	1.8	14.1	23655	99
<i>LSD at 10% Level</i>		26.9	N.S. ⁵	N.S.	N.S.	0.06	1.0	0.5	2368	N.S.
<i>Std. Err. of Entry Mean</i>		11.3	7.2	6.0	4	0.03	0.2	0.4	994	1

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 15.7%, and df for EMS = 39.
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 26, 2011.
 Harvested: September 1, 2011.
 Seeding Rate: 26,500 seeds/acre in 30" rows.
 Soil Type: Waynesboro loam.
 Soil Test: P = Very High, K = High, and pH = 6.4.
 Fertilization: 124 lb N, 104 lb P₂O₅, and 280 lb K₂O/acre as preplant; 150 lb N/acre as sidedress.
 Previous Crop: Fallow.
 Management: Subsoiled, moldboard plowed, disked and rototilled; Callisto, Accent and one cultivation used for weed control.

Test conducted by J. Gassett, G. Ware and J. Stubbs III.

Calhoun, Georgia: Mid-Season Corn Hybrid Performance, 2011, Nonirrigated

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 %
		2011	2-Yr Avg	3-Yr Avg						
Croplan Genetics	8505 VT3 PRO	160.8	.	.	115	0.35	1.5	13.3	22107	100
MC	MCT-6751	160.1	.	.	115	0.33	1.5	11.9	23196	100
Terral-REV™	27HR32™	158.0	.	.	114	0.34	1.5	14.0	22325	100
AgraTech	825 VT3 PRO	157.8	.	.	117	0.30	1.9	12.3	23849	100
Croplan Genetics	8756 VT3	155.6	118.4	.	116	0.33	1.6	13.3	21995	100
Dyna-Gro	D57GT60	154.5	.	.	126	0.33	1.8	12.5	19929	100
Croplan Genetics	851 VT3 PRO	152.9	.	.	109	0.36	1.9	13.4	21562	100
DeKalb	DKC68-05(GENVT3P)	151.2	135.4	.	122	0.28	1.6	12.7	24463	100
Southern States	SS 788 GENVT3PRO	150.5	.	.	137	0.29	1.5	11.0	20364	100
DeKalb	DKC66-96(GENVT3P)	150.3	132.0	.	111	0.34	1.5	11.3	21998	97
Dyna-Gro	D56VP10	148.9	.	.	128	0.28	1.6	11.3	22520	100
Terral-REV™	27HR52™	147.2	.	.	106	0.34	1.9	12.0	22216	100
Pioneer	P2088HR	144.7	.	.	115	0.31	1.9	13.3	22434	100
Terral-REV™	26HR22™	140.4	.	.	107	0.34	1.9	11.7	21139	100
Pioneer	P2023HR	138.7	113.0	.	110	0.33	1.8	13.4	21454	100
Golden Acres	27V01	138.2	126.1	.	113	0.31	1.8	12.6	21018	97
Dyna-Gro	D58VP30	138.1	.	.	112	0.29	1.6	11.7	23849	100
Dyna-Gro	D56VP69	135.9	.	.	114	0.32	1.9	14.0	20691	100
Dyna-Gro	D56VP24	133.2	117.5	.	111	0.29	2.0	10.6	22107	93
NK	N82V3000GT	127.2	110.6	116.8	103	0.32	1.9	14.4	21236	100
Pioneer	31P42(HX1 LL RR2)	124.6	95.1	.	108	0.32	1.8	14.0	19929	95
Southern States	SS 851 GENVT3PRO	119.0	.	.	112	0.25	1.6	12.2	22433	100
Terral-REV™	26HR82™	107.6	.	.	115	0.24	2.1	13.7	21889	95
<i>Average</i>		143.3 ⁴	118.5	116.8	114	0.31	1.7	12.6	21943	99
<i>LSD at 10% Level</i>		N.S. ⁵	N.S.	-	11	N.S.	0.3	1.7	N.S.	4
<i>Std. Err. of Entry Mean</i>		12.0	11.6	-	5	0.03	0.1	0.7	1129	2

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 16.8%, and df for EMS = 66.
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 26, 2011.
 Harvested: September 1, 2011.
 Seeding Rate: 24,500 seeds/acre in 30" rows.
 Soil Type: Waynesboro loam.
 Soil Test: P = Very High, K = High, and pH = 6.4.
 Fertilization: 124 lb N, 104 lb P₂O₅, and 280 lb K₂O/acre as preplant; 150 lb N/acre as sidedress.
 Previous Crop: Fallow.
 Management: Subsoiled, moldboard plowed, disked and rototilled: Callisto, Accent and one cultivation used for weed control.

Test conducted by J. Gassett, G. Ware and J. Stubbs III.

Calhoun, Georgia: Short-Season Corn Hybrid Performance, 2011, 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 %	
		2011	2-Yr Avg bu/acre							3-Yr Avg
Terral-REV™	25R19™	214.8	206.2	.	112	0.38	1.4	17.0	28529	100
Croplan Genetics	7131 VT3	204.0	193.7	206.9	109	0.41	1.6	17.7	26681	100
NK Brand	N77P 3111	194.2	.	.	112	0.41	1.1	16.4	24176	100
Pioneer	P1456HR	190.2	190.7	.	112	0.35	1.8	14.8	26898	100
NK Brand	N72F 3000GT	185.2	.	.	116	0.35	1.3	17.0	25483	100
Dyna-Gro	D55Q80	183.2	.	.	108	0.34	1.5	17.4	28641	100
DeKalb	DKC64-69(GENVT3P)	182.9	207.6	.	104	0.40	1.4	15.8	24611	100
Dyna-Gro	57N73	181.3	201.7	207.9	114	0.37	1.1	16.0	24612	100
Terral-REV™	25HR49™	178.0	179.4	193.7	105	0.39	1.6	16.8	25047	100
DeKalb	DKC65-19	178.0	.	.	113	0.36	1.3	14.7	24503	100
Southern States	SS 684 GENSS	167.6	.	.	110	0.34	1.3	16.1	25592	100
Terral-REV™	25HR39™	165.7	169.4	190.8	104	0.36	1.3	16.5	24938	100
Dyna-Gro	57V59	165.1	.	.	115	0.34	1.8	14.7	23631	100
AgraTech	1777	143.7	.	.	111	0.35	1.5	16.0	20909	100
<i>Average</i>		181.0 ⁴	192.7	199.8	110	0.37	1.4	16.2	25304	100
<i>LSD at 10% Level</i>		31.2	N.S. ⁵	N.S.	7	N.S.	N.S.	N.S.	2333	-
<i>Std. Err. of Entry Mean</i>		13.1	8.8	7.8	3	0.02	0.1	0.8	979	-

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 14.5%, and df for EMS = 39.
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 28, 2011.
 Harvested: September 1, 2011.
 Seeding Rate: 30,000 seeds/acre in 30" rows.
 Soil Type: Rome gravelly clay loam.
 Soil Test: P = Very High, K = High, and pH = 6.0.
 Fertilization: 124 lb N, 104 lb P₂O₅, and 280 lb K₂O/acre as preplant; 200 lb N/acre as sidedress.
 Previous Crop: Soybeans.
 Management: Subsoiled, moldboard plowed, disked and rototilled; Callisto, Accent and one cultivation used for weed control; irrigated 11 inches.

Test conducted by J. Gassett, G. Ware and J. Stubbs III.

Calhoun, Georgia: Mid-Season Corn Hybrid Performance, 2011, 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 %	
		2011	2-Yr Avg							3-Yr Avg
Pioneer	P2023HR	221.1	200.1	.	112	0.40	1.4	18.3	28596	100
AgraTech	825 VT3 PRO	209.2	.	.	110	0.36	1.1	17.0	29948	100
MC	MCT-6751	208.1	.	.	114	0.40	1.4	15.8	25701	100
Terral-REV™	26HR82™	204.3	.	.	113	0.39	1.8	18.1	27007	100
DeKalb	DKC68-05(GENVT3P)	196.8	195.5	.	112	0.36	1.4	17.5	28096	100
Dyna-Gro	D58VP30	193.8	.	.	110	0.40	1.1	17.1	25592	100
Pioneer	P2088HR	193.1	.	.	108	0.39	1.8	18.0	26789	100
Dyna-Gro	D56VP24	192.6	198.3	.	116	0.38	1.3	17.4	25374	100
DeKalb	DKC66-96(GENVT3P)	190.3	191.8	.	112	0.33	1.1	14.4	28641	100
Croplan Genetics	8505 VT3 PRO	190.0	.	.	114	0.39	1.1	16.8	24285	100
Terral-REV™	27HR32™	189.6	.	.	111	0.36	1.3	16.8	27225	100
NK	N82V3000GT	188.0	189.8	201.6	108	0.39	1.3	19.2	26354	100
Golden Acres	27V01	187.5	199.3	.	108	0.36	1.3	16.1	27443	100
Terral-REV™	27HR52™	184.5	.	.	99	0.44	1.6	17.1	24829	100
Croplan Genetics	851 VT3 PRO	183.7	.	.	109	0.34	1.3	18.0	28314	100
Terral-REV™	26HR22™	183.0	.	.	110	0.37	1.8	16.8	25192	100
Pioneer	31P42(HX1 LL RR2)	180.0	184.5	.	106	0.41	1.4	17.8	24067	100
Southern States	SS 788 GENVT3PRO	176.6	.	.	120	0.34	1.1	15.6	24721	100
Southern States	SS 851 GENVT3PRO	173.6	.	.	108	0.34	1.3	16.3	26790	100
Dyna-Gro	D56VP10	167.5	.	.	118	0.29	1.5	14.5	27055	100
Dyna-Gro	D56VP69	166.4	.	.	109	0.37	1.5	17.2	23958	100
Dyna-Gro	D57GT60	158.3	.	.	110	0.32	1.4	14.9	25374	100
Croplan Genetics	8756 VT3	151.0	175.8	.	111	0.33	1.3	17.2	23631	100
<i>Average</i>		186.5 ⁴	191.9	201.6	111	0.37	1.4	16.9	26303	100
<i>LSD at 10% Level</i>		27.6	N.S. ⁵	-	N.S.	0.05	N.S.	1.2	2752	-
<i>Std. Err. of Entry Mean</i>		11.7	7.4	-	4	0.02	0.1	0.6	1166	-

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 12.6%, and df for EMS = 66.
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 26, 2011.
 Harvested: September 1, 2011.
 Seeding Rate: 30,000 seeds/acre in 30" rows.
 Soil Type: Rome gravelly clay loam.
 Soil Test: P = Very High, K = High, and pH = 6.0.
 Fertilization: 124 lb N, 104 lb P₂O₅, and 280 lb K₂O/acre as preplant; 200 lb N/acre as sidedress.
 Previous Crop: Soybeans.
 Management: Subsoiled, moldboard plowed, disked and rototilled; Callisto, Accent and one cultivation used for weed control; irrigated 11 inches.

Test conducted by J. Gasset, G. Ware and J. Stubbs III.

Blairsville, Georgia: Short-Season Corn Hybrid Performance, 2011, Nonirrigated

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 %	
		2011	2-Yr Avg bu/acre							3-Yr Avg
Pioneer	P1456HR	317.1	273.2	.	110	0.53	1.3	16.0	.	100
Terral-REV™	25HR49™	316.1	269.9	255.6	103	0.54	1.9	16.3	.	100
Terral-REV™	25R19™	304.5	272.4	.	101	0.55	1.3	15.8	.	97
Terral-REV™	25HR39™	299.1	262.1	253.9	106	0.55	1.1	15.8	.	100
AgraTech	1777	284.0	.	.	106	0.52	1.3	16.1	.	100
NK Brand	N77P 3111	281.0	.	.	105	0.52	1.3	17.2	.	100
Southern States	SS 684 GENSS	280.5	.	.	103	0.51	1.6	15.3	.	100
NK Brand	N72F 3000GT	279.9	.	.	111	0.53	1.6	16.3	.	100
Croplan Genetics	7131 VT3	278.4	234.6	222.7	111	0.46	1.8	16.0	.	97
Dyna-Gro	D55Q80	274.7	.	.	104	0.51	1.3	17.2	.	100
DeKalb	DKC64-69(GENVT3P)	269.8	245.9	.	102	0.53	1.4	16.1	.	97
DeKalb	DKC65-19	262.4	.	.	102	0.47	1.1	15.5	.	100
Dyna-Gro	57V59	255.0	221.0	.	105	0.45	1.6	15.0	.	100
<i>Average</i>		284.8 ⁴	254.1	244.1	105	0.51	1.4	16.0	.	99
<i>LSD at 10% Level</i>		30.1	12.6	12.0	4	0.05	N.S. ⁵	0.3		N.S.
<i>Std. Err. of Entry Mean</i>		12.6	5.2	4.9	2	0.02	0.1	0.1		1

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 8.9%, and df for EMS = 36.
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: May 3, 2011.
 Harvested: November 1, 2011.
 Population: Plots thinned to 33,000 plants/acre in 30" rows.
 Soil Type: Suches loam.
 Soil Test: P = High, K = High, and pH = 6.4.
 Fertilization: 100 lb N, 87 lb P₂O₅, and 59 lb K₂O/acre as preplant; 136 lb N/acre as sidedress.
 Previous Crop: Soybeans.
 Management: Moldboard plowed, disked and rototilled; Eradicane, Accent, Callisto and two cultivations used for weed control.

Test conducted by J. Gassett, G. Ware and H. Garrett.

Blairsville, Georgia: Mid-Season Corn Hybrid Performance, 2011, Nonirrigated

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 %	
		2011	2-Yr Avg bu/acre							3-Yr Avg
Pioneer	P2023HR	350.5	291.8	.	104	0.61	2.3	17.1	.	100
Terral-REV™	27HR32™	328.4	.	.	106	0.57	2.0	16.1	.	100
Pioneer	P2088HR	327.5	.	.	104	0.61	2.1	17.6	.	100
Terral-REV™	26HR22™	327.3	.	.	103	0.61	2.0	15.8	.	100
NK	N82V3000GT	324.2	274	262.1	101	0.61	1.4	16.8	.	99
Terral-REV™	27HR52™	317.2	.	.	101	0.58	2.5	16.7	.	100
Croplan Genetics	8756 VT3	314.3	251.0	.	107	0.54	1.0	17.0	.	84
Terral-REV™	26HR82™	311.9	.	.	108	0.56	2.3	16.8	.	100
Pioneer	31P42(HX1 LL RR2)	309.0	269.2	.	106	0.56	1.9	16.8	.	100
Croplan Genetics	851 VT3 PRO	304.8	.	.	102	0.55	1.6	15.9	.	100
AgraTech	825 VT3 PRO	304.4	.	.	105	0.52	1.3	15.4	.	100
Dyna-Gro	D56VP24	286.9	242.5	.	100	0.53	1.4	15.6	.	100
MC	MCT-6751	281.0	.	.	113	0.47	1.6	16.4	.	100
DeKalb	DKC66-96(GENVT3P)	274.5	233.5	.	110	0.48	1.4	15.5	.	100
Southern States	SS 851 GENVT3PRO	270.6	.	.	104	0.51	1.1	16.1	.	99
Croplan Genetics	8505 VT3 PRO	270.3	.	.	109	0.50	1.3	15.3	.	100
DeKalb	DKC68-05(GENVT3P)	264.6	226	.	111	0.47	1.5	16.2	.	100
Golden Acres	27V01	254.3	227.2	.	103	0.53	1.6	15.8	.	100
Southern States	SS 788 GENVT3PRO	243.0	.	.	107	0.52	1.6	15.4	.	99
<i>Average</i>		298.1 ⁴	251.9	262.1	105	0.54	1.7	16.2	.	99
<i>LSD at 10% Level</i>		25.3	14.0	-	N.S. ⁵	0.05	0.3	0.3		3
<i>Std. Err. of Entry Mean</i>		10.7	5.8	-	3	0.02	0.2	0.1		1

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 7.2%, 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: May 3, 2011.
 Harvested: November 1, 2011.
 Population: Plots thinned to 32,000 plants/acre in 30" rows.
 Soil Type: Suches loam.
 Soil Test: P = High, K = High, and pH = 6.4.
 Fertilization: 100 lb N, 87 lb P₂O₅, and 59 lb K₂O/acre as preplant; 136 lb N/acre as sidedress.
 Previous Crop: Soybeans.
 Management: Moldboard plowed, disked and rototilled; Eradicane, Accent, Callisto and two cultivations used for weed control.

Test conducted by J. Gassett, G. Ware and H. Garrett.