

## North Georgia Region

### Calhoun, Georgia:

### Short-Season Corn Hybrid Performance, 2010, Nonirrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup>		Ears/ 100 Plants	Ear Grain Wt. lb	Grain Quality <sup>2</sup> rating	Grain Moist. <sup>3</sup> %	Plant Pop. no.	Erect Plants %	
		2010	2-Yr Avg bu/acre							3-Yr Avg
DeKalb	DKC64-69(GENV3P)	<b>117.5</b>	.	.	100	0.29	1.5	20.9	24612	99
NK	N77P3000GT	<b>103.8</b>	<b>129.7</b>	.	98	0.25	1.5	18.7	24285	100
DeKalb	DKC62-97(GENV3P)	<b>99.3</b>	.	.	100	0.23	1.8	16.8	24502	98
Croplan Genetics	6725 VT3 PRO	<b>98.6</b>	.	.	98	0.26	1.4	20.5	23305	96
Croplan Genetics	7131 VT3	95.3	<b>135.6</b>	.	95	0.26	2.4	20.2	23413	100
NK	N78N3000GT	90.7	.	.	99	0.23	2.1	21.9	24611	100
Dyna-Gro	V5373VT3	88.9	<b>121.7</b>	.	98	0.21	1.9	17.6	24829	95
Pioneer	P1456HR	80.8	.	.	93	0.22	1.6	18.3	23196	91
Terral-REV™	25HR49™	79.3	103.3	.	90	0.20	2.1	19.5	25265	95
Terral-REV™	25HR39™	78.4	114.3	.	98	0.19	1.8	18.0	24503	92
Dyna-Gro	57N73	74.5	104.1	.	95	0.19	1.8	17.4	23849	71
NK	N78B GT	71.0	.	.	97	0.20	1.6	20.4	22978	94
Terral-REV™	25R19™	66.5	.	.	96	0.17	1.6	21.0	24394	78
Terral-REV™	25R29™	63.7	.	.	80	0.18	2.5	18.3	24720	96
<i>Average</i>		86.3 <sup>4</sup>	118.1	.	95	0.22	1.8	19.2	24176	93
<i>LSD at 10% Level</i>		22.1	15.8	.	8	0.06	0.5	3.1	N.S. <sup>5</sup>	8
<i>Std. Err. of Entry Mean</i>		9.5	9.3	.	4	0.02	0.2	1.3	823	3

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 22.1%, 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 15, 2010.  
 Harvested: August 30, 2010.  
 Seeding Rate: 26,000 seeds/acre in 30" rows.  
 Soil Type: Wax loam.  
 Soil Test: P = High, K = High, and pH = 6.0.  
 Fertilization: 80 lb N, 120 lb P<sub>2</sub>O<sub>5</sub>, and 320 lb K<sub>2</sub>O/acre as preplant; 150 lb N/acre as sidedress.  
 Previous Crop: Fallow.  
 Management: Moldboard plowed, disked and rototilled; Lasso, Basagran, Accent, Atrazine and one cultivation used for weed control; Lorsban used for insect control.

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

## Calhoun, Georgia: Mid-Season Corn Hybrid Performance, 2010, Nonirrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup>		Ears/ 100 Plants	Ear Grain Wt. lb	Grain Quality <sup>2</sup> rating	Grain Moist. <sup>3</sup> %	Plant Pop. no.	Erect Plants %	
		2010	2-Yr Avg bu/acre							3-Yr Avg
DeKalb	DKC68-05(GENVT3P)	<b>119.6</b>	.	.	100	0.29	1.5	20.0	24612	100
Golden Acres	27V01	<b>114.0</b>	.	.	100	0.27	1.6	17.8	24067	93
DeKalb	DKC66-96(GENVT3P)	<b>113.7</b>	.	.	97	0.29	1.4	16.6	23305	96
NK	N78S CB/LL	<b>103.4</b>	.	.	98	0.26	1.9	17.2	23196	96
Dyna-Gro	V5683VT3	<b>101.8</b>	.	.	100	0.25	2.0	19.6	24285	92
Dyna-Gro	D56VP24	<b>101.8</b>	.	.	97	0.25	1.5	18.4	24394	97
Dyna-Gro	58VP99	<b>95.7</b>	.	.	99	0.23	1.6	18.1	24285	99
DeKalb	DKC69-71(RR2/YGCB)	<b>95.4</b>	<b>127.5</b>	124.1	97	0.24	1.5	19.2	23632	100
Terral-REV™	28R10™	94.5	.	.	94	0.23	1.5	17.8	24829	93
NK	N82V3000GT	93.9	<b>111.7</b>	.	92	0.26	1.9	20.6	23196	100
Dyna-Gro	58V69	92.4	<b>121.5</b>	.	98	0.22	2.0	18.5	24176	100
Pioneer	P1615HR	89.6	.	.	98	0.24	1.5	18.7	22325	85
Pioneer	P2023HR	87.3	.	.	92	0.23	1.8	17.6	24067	94
Croplan Genetics	8756 VT3	81.3	.	.	96	0.20	1.9	21.9	24938	100
Croplan Genetics	9009 RH	76.9	.	.	94	0.22	1.4	22.8	22869	100
AgraTech	815CBLL	76.8	.	.	96	0.19	1.6	17.8	24285	78
Terral-REV™	26R60™	76.8	<b>114.5</b>	.	90	0.21	2.3	16.6	23305	80
MC	MC-590	75.9	<b>107.2</b>	.	90	0.22	1.8	16.8	21344	91
Terral-REV™	28HR20™	74.4	<b>109.8</b>	.	81	0.23	1.5	18.9	23087	98
Terral-REV™	26HR70™	73.4	<b>111.3</b>	.	88	0.20	2.0	17.1	23087	93
MC	MC-630	71.6	.	.	101	0.17	1.4	16.6	24067	77
Pioneer	31P42 (HX1,LL,RR2)	65.5	.	.	85	0.18	2.0	19.1	24393	100
Terral-REV™	28HR29™	46.2	.	.	78	0.14	1.8	19.0	23958	99
<i>Average</i>		87.9 <sup>4</sup>	114.8	124.1	94	0.23	1.7	18.6	23726	94
<i>LSD at 10% Level</i>		24.4	N.S. <sup>5</sup>	-	12	0.05	0.4	1.5	N.S.	6
<i>Std. Err. of Entry Mean</i>		10.3	8.2	-	5	0.02	0.2	0.6	705	2

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 23.5%, 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 15, 2010.

Harvested: August 30, 2010.

Seeding Rate: 25,500 seeds/acre in 30" rows.

Soil Type: Wax loam.

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

Fertilization: 80 lb N, 120 lb P<sub>2</sub>O<sub>5</sub>, and 320 lb K<sub>2</sub>O/acre as preplant; 150 lb N/acre as sidedress.

Previous Crop: Fallow.

Management: Moldboard plowed, disked and rototilled; Lasso, Basagran, Accent, Atrazine and one cultivation used for weed control; Lorsban used for insect control.

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

## Calhoun, Georgia: Short-Season Corn Hybrid Performance, 2010, Irrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup>		Ears/ 100 Plants	Ear Grain Wt. lb	Grain Quality <sup>2</sup> rating	Grain Moist. <sup>3</sup> %	Plant Pop. no.	Erect Plants %	
		2010	2-Yr Avg bu/acre							3-Yr Avg
DeKalb	DKC64-69(GENVT3P)	<b>232.3</b>	.	.	100	0.43	1.4	19	31908	100
Dyna-Gro	57N73	<b>222.1</b>	<b>221.2</b>	.	101	0.43	1.5	18.8	29621	99
NK	N78N3000GT	<b>204.6</b>	.	.	100	0.40	1.6	21.2	30601	100
NK	N77P3000GT	<b>203.4</b>	<b>211.2</b>	.	101	0.42	1.9	18.9	28096	100
DeKalb	DKC62-97(GENVT3P)	<b>202.6</b>	.	.	101	0.38	1.9	18.4	30601	100
Terral-REV™	25R19™	<b>197.7</b>	.	.	99	0.40	1.3	18.3	29185	100
Croplan Genetics	6725 VT3 PRO	<b>197.4</b>	.	.	100	0.37	1.8	18.0	30710	100
Terral-REV™	25R29™	<b>191.4</b>	.	.	99	0.39	2.5	18.7	28641	100
Pioneer	P1456HR	<b>191.2</b>	.	.	99	0.38	1.5	17.9	29512	100
Dyna-Gro	V5373VT3	<b>185.6</b>	<b>205.3</b>	.	101	0.37	1.4	19.0	28967	100
Croplan Genetics	7131 VT3	<b>183.4</b>	<b>208.4</b>	.	105	0.37	2.5	19.3	27443	100
Terral-REV™	25HR49™	<b>180.8</b>	<b>201.6</b>	.	98	0.37	2.5	19.1	29077	100
NK	N78B GT	<b>175.0</b>	.	.	101	0.33	1.9	18.5	30165	100
Terral-REV™	25HR39™	<b>173.0</b>	<b>203.4</b>	.	99	0.37	1.5	18.3	26898	99
<i>Average</i>		195.7 <sup>4</sup>	208.5	.	100	0.39	1.8	18.8	29387	100
<i>LSD at 10% Level</i>		N.S. <sup>5</sup>	N.S.		3	0.05	0.3	0.6	2314	N.S.
<i>Std. Err. of Entry Mean</i>		13.3	9.4		1	0.02	0.1	0.2	971	1

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 13.6%, 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 15, 2010.  
 Harvested: August 30, 2010.  
 Seeding Rate: 32,500 seeds/acre in 30" rows.  
 Soil Type: Etowah loam.  
 Soil Test: P = High, K = High, and pH = 6.3.  
 Fertilization: 98 lb N, 72 lb P<sub>2</sub>O<sub>5</sub>, and 144 lb K<sub>2</sub>O/acre as preplant; 200 lb N/acre as sidedress.  
 Previous Crop: Soybeans.  
 Management: Moldboard plowed, disked and rototilled; Lasso, Basagran, Accent, Atrazine and one cultivation used for weed control; Lorsban used for insect control; irrigated 14.0 inches.

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

## Calhoun, Georgia: Mid-Season Corn Hybrid Performance, 2010, Irrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup>		Ears/ 100 Plants	Ear Grain Wt. lb	Grain Quality <sup>2</sup> rating	Grain Moist. <sup>3</sup> %	Plant Pop. no.	Erect Plants %	
		2010	2-Yr Avg bu/acre							3-Yr Avg
Pioneer	P1615HR	<b>215.5</b>	.	.	101	0.45	1.4	19.7	27770	100
Golden Acres	27V01	<b>211.0</b>	.	.	100	0.41	2.0	18.8	29947	100
Terral-REV™	28HR29™	<b>207.7</b>	.	.	100	0.41	1.3	20.4	30056	100
Dyna-Gro	D56VP24	<b>203.9</b>	.	.	100	0.41	1.8	18.4	29294	100
Terral-REV™	26HR70™	<b>202.1</b>	<b>205.3</b>	.	100	0.40	1.5	18.9	29512	100
Dyna-Gro	V5683VT3	<b>200.7</b>	.	.	102	0.39	2.1	17.8	28750	100
Croplan Genetics	8756 VT3	<b>200.6</b>	.	.	101	0.41	1.8	20.8	28859	100
DeKalb	DKC68-05(GENVT3P)	<b>194.2</b>	.	.	101	0.38	1.6	19.2	29621	100
DeKalb	DKC66-96(GENVT3P)	<b>193.4</b>	.	.	101	0.37	1.5	17.9	30166	100
NK	N82V3000GT	<b>191.6</b>	<b>208.4</b>	.	100	0.39	2.0	19.6	29076	100
MC	MC-630	<b>191.2</b>	.	.	101	0.37	1.3	17.8	29730	99
Terral-REV™	28R10™	<b>189.2</b>	.	.	101	0.40	1.8	19.2	27661	100
Pioneer	31P42 (HX1,LL,RR2)	<b>188.9</b>	.	.	99	0.40	1.3	18.3	27661	100
NK	N78S CB/LL	181.5	.	.	98	0.38	1.6	18.7	28314	100
Pioneer	P2023HR	179.1	.	.	100	0.35	1.6	18.1	29948	100
Terral-REV™	28HR20™	178.3	<b>195.2</b>	.	97	0.38	1.9	19.1	27988	100
Dyna-Gro	58VP99	175.9	.	.	102	0.34	1.6	18.2	29730	100
Terral-REV™	26R60™	162.3	<b>183.4</b>	.	98	0.36	2.1	18.2	26790	99
MC	MC-590	162.1	<b>176.5</b>	.	100	0.34	1.5	18.6	28096	99
Dyna-Gro	58V69	157.3	<b>189.3</b>	.	99	0.32	2.0	18.9	29403	100
DeKalb	DKC69-71(RR2/YGCB)	155.2	<b>181.4</b>	188.2	101	0.31	1.3	20.4	29185	100
AgraTech	815CBLL	152.7	.	.	100	0.32	1.6	18.9	27661	100
Croplan Genetics	9009 RH	145.9	.	.	100	0.31	1.3	22.7	28750	100
<i>Average</i>		184.3 <sup>4</sup>	191.4	188.2	100	0.37	1.6	19.1	28868	100
<i>LSD at 10% Level</i>		27.6	N.S. <sup>5</sup>	-	2	0.05	0.3	0.7	N.S.	N.S.
<i>Std. Err. of Entry Mean</i>		11.7	7.2	-	1	0.02	0.1	0.3	840	1

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 12.7%, 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 15, 2010.

Harvested: August 30, 2010.

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

Soil Type: Etowah loam.

Soil Test: P = High, K = High, and pH = 6.3.

Fertilization: 98 lb N, 72 lb P<sub>2</sub>O<sub>5</sub>, and 144 lb K<sub>2</sub>O/acre as preplant; 200 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Moldboard plowed, disked and rototilled; Lasso, Basagran, Accent, Atrazine and one cultivation used for weed control; Lorsban used for insect control; irrigated 14.0 inches.

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

## Blairsville, Georgia: Short-Season Corn Hybrid Performance, 2010, Nonirrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup>		Ears/ 100 Plants	Ear Grain Wt. lb	Grain Quality <sup>2</sup> rating	Grain Moist. <sup>3</sup> %	Plant Pop. no.	Erect Plants %	
		2010	2-Yr Avg bu/acre							3-Yr Avg
Terral-REV™	25R19™	<b>293.4</b>	.	.	101	0.55	1.4	16.0	29524	88
Terral-REV™	25R29™	<b>285.7</b>	.	.	100	0.54	1.5	15.8	29887	90
Dyna-Gro	57N73	<b>282.9</b>	<b>254.7</b>	.	101	0.54	1.0	15.9	29282	86
Pioneer	P1456HR	280.1	.	.	107	0.50	1.5	15.9	29887	98
Terral-REV™	25HR39™	275.1	<b>256.3</b>	.	100	0.50	1.3	15.8	30976	86
Terral-REV™	25HR49™	273.1	<b>250.0</b>	.	101	0.51	1.8	16.0	29766	88
DeKalb	DKC64-69(GENVT3P)	271.1	.	.	101	0.53	1.4	15.9	28677	97
NK	N78N3000GT	268.2	.	.	100	0.52	1.5	16.4	29161	97
NK	N77P3000GT	256.5	244.1	.	100	0.50	1.5	16.8	29282	96
NK	N78B GT	248.8	.	.	101	0.47	1.5	16.5	29766	80
DeKalb	DKC62-97(GENVT3P)	248.4	.	.	101	0.47	1.3	15.2	29282	95
Dyna-Gro	V5373VT3	245.6	232.2	.	101	0.46	1.4	16.1	30129	91
Croplan Genetics	7131 VT3	233.0	216.1	.	106	0.44	1.9	17.6	28677	55
Croplan Genetics	6725 VT3 PRO	229.4	.	.	102	0.44	1.5	16.5	28919	57
Dyna-Gro	57V59	228.3	.	.	99	0.43	2.0	15.6	29887	91
<i>Average</i>		261.3 <sup>4</sup>	242.2	.	101	0.49	1.5	16.1	29540	86
<i>LSD at 10% Level</i>		12.3	11.4		3	0.04	0.2	0.7	N.S. <sup>5</sup>	14
<i>Std. Err. of Entry Mean</i>		5.2	4.8		1	0.01	0.1	0.3	560	6

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 4.0%, 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 29, 2010.  
 Harvested: October 5, 2010.  
 Seeding Rate: 31,000 seeds/acre in 30" rows.  
 Soil Type: Suches loam.  
 Soil Test: P = Low, K = Very High, and pH = 6.6.  
 Fertilization: 96 lb N, 56 lb P<sub>2</sub>O<sub>5</sub>, and 73 lb K<sub>2</sub>O/acre as preplant; 90 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, 2010, Nonirrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup>			Ears/ 100 Plants	Ear Grain Wt. lb	Grain Quality <sup>2</sup> rating	Grain Moist. <sup>3</sup> %	Plant Pop. no.	Erect Plants %
		2010	2-Yr Avg	3-Yr Avg						
Terral-REV™	26HR70™	<b>298.6</b>	<b>271.6</b>	.	100	0.56	1.5	15.9	30129	93
Terral-REV™	28R10™	<b>286.4</b>	.	.	100	0.55	1.6	16.4	29524	84
Terral-REV™	26R60™	<b>285.4</b>	<b>258.9</b>	.	100	0.53	1.9	16.0	30129	72
Pioneer	P2023HR	<b>284.6</b>	.	.	100	0.54	1.8	16.5	29766	76
Pioneer	P1615HR	<b>283.7</b>	.	.	101	0.54	1.6	16.5	29645	66
Terral-REV™	28HR20™	<b>282.6</b>	<b>266.3</b>	.	101	0.53	1.5	16.4	29887	74
Pioneer	31P42(HX1,LL,RR2)	<b>280.3</b>	.	.	101	0.53	1.8	16.3	30008	96
MC	MC-630	274.9	.	.	100	0.52	1.6	15.8	29524	69
Terral-REV™	28HR29™	274.4	.	.	98	0.54	1.6	18.0	30129	99
NK	N82V3000GT	273.3	255.8	.	100	0.53	1.6	17.2	29524	85
NK	N78S CB/LL	270.3	.	.	100	0.51	1.9	16.0	30129	77
Dyna-Gro	58V69	257.1	251.2	.	101	0.50	2.1	17.7	29524	94
DeKalb	DKC69-71(RR2/YGCB)	252.9	243.7	222.8	103	0.48	1.3	16.5	28919	81
AgraTech	815CBLL	250.6	.	.	99	0.50	1.5	17.5	29040	80
Golden Acres	27V01	244.5	.	.	99	0.48	2.1	16.9	29282	32
Dyna-Gro	D56VP24	242.0	.	.	101	0.47	2.4	17.8	29161	34
DeKalb	DKC66-96(GENVT3P)	235.2	.	.	99	0.45	1.5	15.6	29766	75
Dyna-Gro	58VP99	231.3	.	.	102	0.43	1.4	16.0	30008	55
MC	MC-590	230.8	208	.	100	0.46	2.0	16.4	28677	40
Croplan Genetics	8756 VT3	229.3	.	.	101	0.44	1.5	17.6	29524	31
DeKalb	DKC68-05(GENVT3P)	228.9	.	.	101	0.43	1.9	16.6	29645	54
Croplan Genetics	9009 RH	225.5	.	.	97	0.48	1.3	22.4	29645	96
<i>Average</i>		260.1 <sup>4</sup>	250.8	222.8	100	0.50	1.7	16.9	29618	71
<i>LSD at 10% Level</i>		19.0	13.9	-	N.S. <sup>5</sup>	0.04	0.4	0.7	N.S.	23
<i>Std. Err. of Entry Mean</i>		8.0	5.8	-	1	0.02	0.2	0.3	517	10

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 6.2%, and df for EMS = 63.
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, 2010.  
 Harvested: October 5, 2010.  
 Seeding Rate: 31,000 seeds/acre in 30" rows.  
 Soil Type: Suches loam.  
 Soil Test: P = Low, K = Very High, and pH = 6.6.  
 Fertilization: 96 lb N, 56 lb P<sub>2</sub>O<sub>5</sub>, and 73 lb K<sub>2</sub>O/acre as preplant; 90 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. Gasset, G. Ware and H. Garrett.