

## North Georgia Region

### Calhoun, Georgia:

### Short-Season Corn Hybrid Performance, 2009, 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 %
		2009	2-Yr Avg	3-Yr Avg						
Croplan Genetics	7131VT3	<b>175.9</b>	.	.	107	0.47	2.0	21.2	21236	100
NK	N77P3000GT	155.7	.	.	100	0.42	2.0	21.5	22216	100
DynaGro	V5373VT3	154.5	.	.	103	0.37	2.0	21.3	24394	100
Terral-REV™	RV2539HR	150.1	.	.	100	0.44	2.3	21.7	20909	98
Croplan Genetics	6986VT3	140.9	.	.	100	0.39	2.1	20.3	21562	100
Pioneer	33M57(Hx1/LL/RR2)	138.5	<b>139.6</b>	<b>126.6</b>	101	0.36	2.6	24.7	23958	100
DeKalb	DKC61-69(VT3)	135.0	<b>138.3</b>	.	102	0.39	2.6	21.1	20691	99
Southern States	SS746VT3	134.7	<b>133.0</b>	.	101	0.39	2.4	21.7	21127	99
DynaGro	57N73	133.7	.	.	100	0.37	2.4	21.5	22216	97
DeKalb	DKC61-04(VT3)	131.1	.	.	100	0.37	2.3	21.1	21345	99
AgraTech	1777	130.9	.	.	100	0.39	2.3	21.5	20582	93
Terral-REV™	RV2549HR	127.3	.	.	100	0.39	2.4	22.9	20256	99
SS	731CL	126.6	<b>134.0</b>	<b>119.7</b>	105	0.32	2.5	21.5	22651	98
AgraTech	645RR	124.9	.	.	101	0.36	2.4	20.6	20473	95
NK	N73YCB/LL	123.2	.	.	101	0.33	2.5	22.6	22325	98
<i>Average</i>		138.9 <sup>4</sup>	136.2	123.1	101	0.38	2.3	21.7	21729	98
<i>LSD at 10% Level</i>		14.0	N.S. <sup>5</sup>	N.S.	2	0.04	N.S.	0.7	N.S.	3
<i>Std. Err. of Entry Mean</i>		5.9	4.8	4.1	1	0.02	0.2	0.3	981	1

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 8.5%, 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: May 13, 2009.  
 Harvested: September 30, 2009.  
 Seeding Rate: 24,500 seeds/acre in 30" rows.  
 Soil Type: Etowah loam.  
 Soil Test: P = Very High, K = Very High, and pH = 6.4.  
 Fertilization: 87 lb N, 45 lb P<sub>2</sub>O<sub>5</sub>, and 90 lb K<sub>2</sub>O/acre as preplant; 118 lb N/acre as sidedress.  
 Previous Crop: Soybeans.  
 Management: Moldboard plowed, disked and rototilled; Lasso, Accent, Atrazine and one cultivation used for weed control; Warrior used for insect control.

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

## Calhoun, Georgia: Mid-Season Corn Hybrid Performance, 2009, 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 %
		2009	2-Yr Avg	3-Yr Avg						
Pioneer	31P41	<b>161.7</b>	<b>150.6</b>	<b>125.9</b>	103	0.46	2.0	21.1	20691	96
Croplan Genetics	8221VT3	<b>159.9</b>	<b>153.1</b>	.	100	0.48	1.8	22.8	20255	99
DeKalb	DKC69-71(RR2/YGCB)	<b>159.7</b>	<b>138.4</b>	<b>126.1</b>	100	0.42	2.1	22.6	23196	98
DeKalb	DKC67-87(RR2/YGCB)	<b>153.2</b>	<b>130.3</b>	<b>120.5</b>	101	0.45	1.8	23.2	20909	96
Terral-REV™	RV2660R	<b>152.3</b>	.	.	102	0.5	2.4	22.6	18731	99
DeKalb	DKC67-23(RR2/YGCB)	<b>151.4</b>	<b>143.0</b>	<b>135.2</b>	102	0.45	1.6	22.7	20037	98
DynaGro	58V69	<b>150.6</b>	.	.	105	0.43	2.3	24.8	21127	99
Golden Acres	28Z89	<b>150.4</b>	<b>130.4</b>	.	101	0.47	2.0	23.0	19384	97
Golden Acres	28Y97	<b>150.2</b>	.	.	100	0.46	2.0	21.9	19820	100
Terral-REV™	RV2670HR	<b>149.3</b>	.	.	100	0.45	1.9	22.4	20364	100
DynaGro	58K02	<b>145.7</b>	.	.	100	0.44	1.9	23.2	20473	100
Terral-REV™	RV2820HR	<b>145.3</b>	.	.	100	0.46	2.1	25.3	20256	98
DeKalb	DKC68-06(RR2/YGCB)	<b>144.3</b>	.	.	99	0.45	2.1	21.7	19602	100
DynaGro	V6083VT3	<b>141.6</b>	.	.	102	0.42	2.1	23.5	20800	100
Terral-REV™	RV2650HR	<b>141.2</b>	.	.	101	0.43	2.0	24.4	20473	97
Pioneer	31N28(YGCB)	<b>140.5</b>	<b>129.3</b>	<b>113.2</b>	101	0.43	2.3	22.8	19929	94
MC	MC590	138.4	.	.	100	0.37	2.3	22.6	22869	96
Croplan Genetics	851VT3	137.5	<b>135.1</b>	<b>119.7</b>	102	0.41	1.9	24.5	21018	96
Terral-REV™	RV2830R	136.5	.	.	102	0.41	2.4	23.0	19929	100
AgraTech	825RR	131.5	.	.	101	0.4	2.0	22.4	19820	98
NK	N82V3000GT	129.4	.	.	99	0.42	2.1	23.7	19384	94
<i>Average</i>		146.2 <sup>4</sup>	138.8	123.4	101	0.44	2.0	23.1	20432	98
<i>LSD at 10% Level</i>		23.2	N.S. <sup>5</sup>	N.S.	N.S.	N.S.	N.S.	2.0	N.S.	N.S.
<i>Std. Err. of Entry Mean</i>		9.8	6.8	6.0	2	0.03	0.3	0.8	1118	2

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 13.4%, and df for EMS = 60.
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 13, 2009.  
 Harvested: September 30, 2009.  
 Seeding Rate: 23,500 seeds/acre in 30" rows.  
 Soil Type: Etowah loam.  
 Soil Test: P = Very High, K = Very High, and pH = 6.4.  
 Fertilization: 87 lb N, 45 lb P<sub>2</sub>O<sub>5</sub>, and 90 lb K<sub>2</sub>O/acre as preplant; 118 lb N/acre as sidedress.  
 Previous Crop: Soybeans.  
 Management: Moldboard plowed, disked and rototilled; Lasso, Accent, Atrazine and one cultivation used for weed control; Warrior used for insect control.

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

## Calhoun, Georgia: Short-Season Corn Hybrid Performance, 2009, 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 %
		2009	2-Yr Avg	3-Yr Avg						
Terral-REV™	RV2539HR	<b>233.7</b>	.	.	101	0.57	1.3	21.9	25156	99
Croplan Genetics	7131VT3	<b>233.5</b>	.	.	103	0.51	2.0	20.8	26572	98
Pioneer	33M57(Hx1/LL/RR2)	<b>229.2</b>	<b>214.5</b>	<b>181.9</b>	104	0.48	1.9	22.5	28314	99
DynaGro	V5373VT3	<b>225.1</b>	.	.	101	0.48	1.5	21.1	28205	97
Terral-REV™	RV2549HR	<b>222.4</b>	.	.	101	0.52	2.4	22.6	25810	100
DynaGro	57N73	<b>220.3</b>	.	.	101	0.49	1.4	21.8	27007	96
NK	N77P3000GT	<b>219.1</b>	.	.	101	0.52	1.3	21.7	25374	87
DeKalb	DKC61-69(VT3)	<b>218.5</b>	<b>223.1</b>	.	104	0.47	2.1	20.2	26463	98
DeKalb	DKC61-04(VT3)	<b>208.4</b>	.	.	100	0.46	2.3	21.3	27443	98
Southern States	SS746VT3	<b>207.6</b>	<b>214.4</b>	.	100	0.44	1.6	20.6	28314	98
Croplan Genetics	6986VT3	<b>207.4</b>	.	.	100	0.47	1.8	20.3	26354	95
AgraTech	645RR	<b>203.4</b>	.	.	101	0.49	1.5	20.6	24394	96
SS	731CL	<b>202.2</b>	<b>186.3</b>	<b>165.0</b>	106	0.42	2.4	21.8	27443	89
AgraTech	1777	<b>200.1</b>	.	.	100	0.48	1.5	21.8	25483	94
NK	N73YCB/LL	<b>193.6</b>	.	.	102	0.47	1.8	22.0	24720	94
<i>Average</i>		214.9 <sup>4</sup>	209.6	173.5	102	0.49	1.8	21.4	26470	96
<i>LSD at 10% Level</i>		N.S. <sup>5</sup>	N.S.	N.S.	2	N.S.	N.S.	0.4	N.S.	6
<i>Std. Err. of Entry Mean</i>		10.6	8.1	4.9	1	0.03	0.3	0.2	1145	2

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 9.9%, 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: May 13, 2009.  
 Harvested: September 30, 2009.  
 Seeding Rate: 30,000 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; 134 lb N/acre as sidedress.  
 Previous Crop: Fallow.  
 Management: Moldboard plowed, disked and rototilled; Lasso, Accent, Atrazine and one cultivation used for weed control; Warrior used for insect control; irrigated 12.0 inches.

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

## Calhoun, Georgia: Mid-Season Corn Hybrid Performance, 2009, 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 %
		2009	2-Yr Avg	3-Yr Avg						
DeKalb	DKC67-23(RR2/YGCB)	<b>231.6</b>	<b>214.6</b>	<b>183.4</b>	102	0.55	2.0	20.6	24503	97
Croplan Genetics	851VT3	<b>228.7</b>	<b>213.6</b>	<b>185.7</b>	97	0.60	2.1	21.2	23849	96
NK	N82V3000GT	<b>225.2</b>	.	.	102	0.57	2.1	22.3	23849	98
Terral-REV™	RV2650HR	<b>224.9</b>	.	.	106	0.59	2.1	23.9	22760	97
Pioneer	31N28(YGCB)	<b>224.2</b>	<b>216.9</b>	<b>182.6</b>	101	0.57	1.5	22.3	23849	91
DynaGro	58V69	<b>221.3</b>	.	.	103	0.54	2.3	22.2	24503	99
DeKalb	DKC68-06(RR2/YGCB)	<b>216.6</b>	.	.	105	0.56	1.6	23.7	22651	100
DeKalb	DKC67-87(RR2/YGCB)	<b>212.8</b>	<b>210.7</b>	<b>178.2</b>	101	0.56	1.6	21.8	22760	89
Terral-REV™	RV2820HR	<b>212.1</b>	.	.	102	0.56	2.0	23.1	23087	99
Terral-REV™	RV2670HR	<b>208.5</b>	.	.	101	0.58	2.5	22.3	21998	100
DeKalb	DKC69-71(RR2/YGCB)	207.7	<b>204.7</b>	<b>174.0</b>	103	0.53	1.3	22.6	23414	100
Terral-REV™	RV2660R	204.5	.	.	101	0.53	2.6	22.4	23522	96
Pioneer	31P41	204.1	<b>210.9</b>	<b>189.7</b>	101	0.51	2.3	22.3	24285	96
DynaGro	V6083VT3	202.4	.	.	101	0.53	1.9	23.3	23414	97
AgraTech	825RR	201.7	.	.	103	0.48	1.6	21.8	25047	99
Terral-REV™	RV2830R	199.1	.	.	101	0.54	1.5	23.7	22651	93
Golden Acres	28Y97	196.1	.	.	102	0.55	1.8	23.7	21889	100
Golden Acres	28Z89	195.2	193.5	.	103	0.49	2.1	22.1	23740	100
MC	MC590	191.0	.	.	100	0.51	2.0	21.1	22542	93
DynaGro	58K02	189.0	.	.	102	0.48	2.1	23.9	24285	98
Croplan Genetics	8221VT3	187.9	179.9	.	101	0.46	2.0	21.2	24503	100
<i>Average</i>		208.8 <sup>4</sup>	205.6	182.3	102	0.54	2.0	22.4	23481	97
<i>LSD at 10% Level</i>		23.6	14.4	N.S. <sup>5</sup>	3	0.07	0.4	0.8	N.S.	5
<i>Std. Err. of Entry Mean</i>		9.9	6.0	5.0	1	0.03	0.2	0.3	854	2

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 9.6%, and df for EMS = 60.
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 13, 2009.  
 Harvested: September 30, 2009.  
 Seeding Rate: 26,500 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; 134 lb N/acre as sidedress.  
 Previous Crop: Fallow.  
 Management: Moldboard plowed, disked and rototilled; Lasso, Accent, Atrazine and one cultivation used for weed control; Warrior used for insect control; irrigated 12.0 inches.

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

## Blairsville, Georgia: Short-Season Corn Hybrid Performance, 2009, 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 %	
		2009	2-Yr Avg bu/acre							3-Yr Avg
SS	731CL	<b>331.2</b>	<b>262.4</b>	.	123	0.60	1.6	17.3	25894	100
Pioneer	33M57(Hx1/LL/RR2)	301.0	<b>247.3</b>	245.4	121	0.51	1.6	17.5	28072	100
Terral-REV™	RV2539HR	290.0	.	.	104	0.56	2.0	17.7	28798	100
AgraTech	645RR	289.0	.	.	115	0.55	1.8	16.3	25894	100
NK	N77P3000GT	283.1	.	.	104	0.57	1.0	17.7	27346	100
Terral-REV™	RV2549HR	277.2	.	.	105	0.55	2.1	18.0	27830	100
DynaGro	57N73	276.6	.	.	104	0.56	2.3	18.6	27951	100
DeKalb	DKC61-69(VT3)	272.4	<b>229.0</b>	.	113	0.54	1.8	16.2	25410	100
DynaGro	V5373VT3	267.3	.	.	110	0.50	1.3	17.1	27830	100
AgraTech	1777	254.8	.	.	105	0.53	2.4	18.0	26378	100
DeKalb	DKC61-04(VT3)	245.6	.	.	107	0.54	1.8	16.7	24442	100
Croplan Genetics	7131VT3	243.2	.	.	123	0.44	1.3	18.0	25773	100
Croplan Genetics	6986VT3	241.1	.	.	101	0.56	1.9	17.8	24442	100
Southern States	SS746VT3	239.4	<b>222.4</b>	.	106	0.49	1.8	17.2	26499	100
NK	N73YCB/LL	236.3	.	.	99	0.54	2.0	20.0	26015	100
<i>Average</i>		269.9 <sup>4</sup>	240.3	245.4	109	0.54	1.8	17.6	26572	100
<i>LSD at 10% Level</i>		25.3	N.S. <sup>5</sup>	-	6	0.05	0.5	-	N.S.	-
<i>Std. Err. of Entry Mean</i>		10.6	8.0	-	3	0.02	0.2	-	1065	-

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 7.9%, 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 30, 2009.  
 Harvested: October 21, 2009.  
 Seeding Rate: 29,500 seeds/acre in 30" rows.  
 Soil Type: Suches loam.  
 Soil Test: P = High, K = Very High, and pH = 6.3.  
 Fertilization: 83 lb N, 64 lb P<sub>2</sub>O<sub>5</sub>, and 32 lb K<sub>2</sub>O/acre as preplant; 119 lb N/acre as sidedress.  
 Previous Crop: Soybeans.  
 Management: Moldboard plowed, disked and rototilled; Aatrex, Sazine, Banvil and two cultivations used for weed control.

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

## Blairsville, Georgia: Mid-Season Corn Hybrid Performance, 2009, 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 %
		2009	2-Yr Avg	3-Yr Avg						
Pioneer	31P41	<b>315.3</b>	<b>253.4</b>	<b>257.7</b>	102	0.67	2.8	18.2	26620	100
Terral-REV™	RV2820HR	<b>305.2</b>	.	.	106	0.64	3.0	20.0	26862	100
DynaGro	58V69	<b>299.7</b>	.	.	106	0.58	1.8	19.4	28435	100
Terral-REV™	RV2670HR	<b>298.8</b>	.	.	112	0.61	2.6	17.9	25410	100
NK	N82V3000GT	291.1	.	.	105	0.65	1.4	18.8	24805	100
DeKalb	DKC69-71(RR2/YGCB)	286.3	<b>233.7</b>	.	123	0.52	1.0	18.8	26015	100
Terral-REV™	RV2660R	284.0	.	.	103	0.60	2.6	18.8	26983	100
Pioneer	31N28(YGCB)	281.8	<b>239.8</b>	<b>244.1</b>	103	0.58	1.8	18.6	27467	100
Terral-REV™	RV2830R	281.7	.	.	113	0.61	1.8	19.7	24321	100
DeKalb	DKC67-87 RR2/YGCB)	277.9	.	.	110	0.55	1.1	18.1	26862	100
Terral-REV™	RV2650HR	277.1	.	.	108	0.59	2.4	19.9	25773	100
AgraTech	825RR	271.8	.	.	107	0.51	1.8	18.6	28919	100
DynaGro	V6083VT3	270.3	.	.	118	0.52	1.5	17.3	25531	100
Golden Acres	28Z89	270.2	<b>227.1</b>	.	101	0.56	1.4	18.9	28072	100
DeKalb	DKC67-23(RR2/YGCB)	259.1	.	.	116	0.51	1.3	19.0	25652	100
Golden Acres	28Y97	255.6	.	.	127	0.49	1.9	18.8	24200	100
DynaGro	58K02	251.9	.	.	109	0.54	2.5	17.5	24563	100
Croplan Genetics	8221VT3	243.7	<b>209.6</b>	.	104	0.52	1.9	15.8	25652	100
DeKalb	DKC68-06(RR2/YGCB)	233.1	.	.	120	0.47	1.8	19.2	24200	100
Croplan Genetics	851VT3	230.5	<b>205.3</b>	212.4	103	0.52	1.4	18.2	25289	100
MC	MC590	226.3	.	.	102	0.60	1.5	17.9	21417	100
<i>Average</i>		272.0 <sup>4</sup>	228.1	238.1	109	0.56	1.9	18.5	25859	100
<i>LSD at 10% Level</i>		19.7	N.S. <sup>5</sup>	14.0	8	0.05	0.4	-	2001	-
<i>Std. Err. of Entry Mean</i>		8.3	4.8	5.7	4	0.02	0.2	-	847	-

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 6.1%, and df for EMS = 60.
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 30, 2009.  
 Harvested: October 21, 2009.  
 Seeding Rate: 29,500 seeds/acre in 30" rows.  
 Soil Type: Suches loam.  
 Soil Test: P = High, K = Very High, and pH = 6.3.  
 Fertilization: 83 lb N, 64 lb P<sub>2</sub>O<sub>5</sub>, and 32 lb K<sub>2</sub>O/acre as preplant; 119 lb N/acre as sidedress.  
 Previous Crop: Soybeans.  
 Management: Moldboard plowed, disked and rototilled; Aatrex, Smazine, Banvil and two cultivations used for weed control.

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