



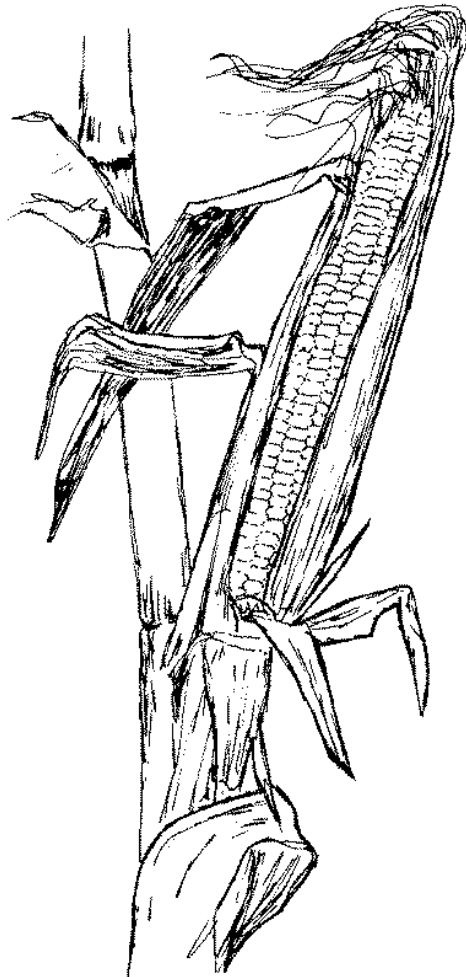
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College of Agricultural and Environmental Sciences  
The University of Georgia

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# Georgia

## 2015 Corn Performance Tests

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Henry Jordan Jr., and J. LaDon Day  
*Editors*



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## Conversion Table

<b>U.S. Abbr.</b>	<b>Unit</b>	<b>Approximate Metric Equivalent</b>
<b>Length</b>		
mi	mile	1.609 kilometers
yd	yard	0.9144 meters
ft or ' in or "	foot inch	30.48 centimeters 2.54 centimeters
<b>Area</b>		
sq mi or mi <sup>2</sup>	square mile	2.59 square kilometers
acre	acre	0.405 hectares or 4047 square meters
sq ft or ft <sup>2</sup>	square foot	0.093 square meters
<b>Volume/Capacity</b>		
gal	gallon	3.785 liters
qt	quart	0.946 liters
pt	pint	0.473 liters
fl oz	fluid ounce	29.573 milliliters or 28.416 cubic centimeters
bu	bushel	35.238 liters
cu ft or ft <sup>3</sup>	cubic foot	0.028 cubic meters
<b>Mass/Weight</b>		
ton	ton	0.907 metric ton
lb	pound	0.453 kilogram
oz	ounce	28.349 grams

<b>Metric Abbr.</b>	<b>Unit</b>	<b>Approximate U.S. Equivalent</b>
<b>Length</b>		
km	kilometer	0.62 mile
m	meter	39.37 inches or 1.09 yards
cm	centimeter	0.39 inch
mm	millimeter	0.04 inch
<b>Area</b>		
ha	hectare	2.47 acres
<b>Volume/Capacity</b>		
liter	liter	61.02 cubic inches or 1.057 quarts
ml	milliliter	0.06 cubic inch or 0.034 fluid ounce
cc	cubic centimeter	0.061 cubic inch or 0.035 fluid ounce
<b>Mass/Weight</b>		
MT	metric ton	1.1 tons
kg	kilogram	2.205 pounds
g	gram	0.035 ounce
mg	milligram	3.5 x 10 <sup>-5</sup> ounce



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## PREFACE

In this research report, the results of the 2015 corn performance trials are presented. Corn performance trials were conducted at six locations throughout Georgia (see map inside back cover) in 2015. Short-season and mid-season hybrids were planted at Tifton, Plains, and Midville in the Coastal Plain region, at Griffin in the Piedmont region, at Calhoun in the Limestone Valley region, and at Blairsville in the Mountain region. Hybrids used for silage were evaluated at Tifton, Griffin, Calhoun, and Blairsville.

At each site all plots within a maturity group were seeded at the rates specified and not thinned, and the populations at harvest are included in the tables. Information concerning fertilization and cultural practices used in each trial is included with the tables. Grain harvesting was done with a plot combine, and yields were adjusted to 15.5% moisture. Since data averaged over several years indicate a hybrid's yield potential better than data from only a single year, average yields over several years are included in this report.

The least significant difference (LSD) at the 10% level has been included in the tables to aid in comparing hybrids. If the yields' difference of any two hybrids exceeds the LSD value, they can be considered different in yield ability. **Bolding** is used in the performance tables to indicate hybrids with yields statistically equal to the highest yielding entry in the test. The standard error (Std. Err.) of an entry mean is included at the bottom of each table to provide a general indicator of the level of precision of each experiment. The lower the value of the standard error of the entry mean, the more precise the experiment.

Producers of hybrid seed corn are invited to enter their hybrids in the Georgia performance trials. Most hybrids entered are commercially available in Georgia, but a few experimental hybrids are also entered. Entry of a hybrid in these trials does not imply endorsement or recommendation by the University of Georgia College of Agricultural and Environmental Sciences.

This report is one of five publications presenting the performance of agronomic crops in Georgia. For information concerning the performance of other crops, refer to one of the following research reports: 2014-2015 Small Grain Performance Tests (Annual Publication #100-7); the 2014 Soybean, Sorghum Grain and Silage, and Summer Annual Forages Performance Tests (Annual Publication #103-6); the 2014 Peanut, Cotton, and Tobacco Performance Tests (Annual Publication #104-6), and the 2013-2014 Canola Performance data ([www.swvt.uga.edu/canola.html](http://www.swvt.uga.edu/canola.html)).

This report, along with performance test information on other crops, is also available online at [www.swvt.uga.edu](http://www.swvt.uga.edu). Additional information may be obtained by writing John D. Gassett, Crop and Soil Sciences Department, University of Georgia, Griffin Campus, 1109 Experiment Street, Griffin, GA 30223-1797.

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# 2015 Corn Performance Tests

Edited by

John D. Gassett, Dustin G. Dunn,  
Henry Jordan Jr., and J. LaDon Day

## The Season

Georgia corn producers in 2015 were faced with planting conditions similar to that over the past two years with abundant soil moisture and torrential rains in some areas. Rain and cool temperatures through February, March, and April delayed planting throughout some areas of the state. As the season progressed, irrigation became a concern for many producers in Georgia. The Plains location received a large amount of rainfall in July while this was not a concern in other areas of the state. Corn drowning out early in the season and leaching of nutrients were concerns again this year. Southern corn rust was a major concern for growers in the southern area of the state, but did not make it far north due to the inactive tropical storm season.

Seasonal rainfall totals, as shown in the table below, were below normal for Blairsville, Griffin, and Tifton locations. Rainfall in Griffin and Blairsville ranged from 2.6 to 6.09 inches below normal, respectively. Calhoun received 4.99 inches more than normal. For the first time in a long time, the Plains location accumulated 2.9 inches more rainfall than normal. Midville was above normal by 1.87 inches, while Tifton was below normal by 2.96 inches.

### Growing Season Rainfall<sup>1</sup>, 2015

Month	Blairsville	Calhoun <sup>2</sup>	Griffin	Midville	Plains	Tifton
February	3.96	5.77	5.84	5.37	4.90	3.83
March	3.73	3.68	3.50	1.46	1.50	2.58
April	5.99	7.16	4.04	6.28	5.63	6.07
May	2.85	2.74	1.49	1.90	0.92	3.37
June	3.48	5.08	3.31	2.55	3.43	5.11
July	3.93	2.38	3.04	4.37	12.80	6.35
August	5.28	8.41	3.90	6.84	4.35	4.04
September	3.06	4.11	2.93	6.79	1.52	4.19
<i>Total (8 mo)</i>	32.28	39.33	28.05	35.56	35.05	35.54
<i>Normal (8 mo)</i>	38.37	34.34	30.65	33.69	32.15	38.50

1. Data submitted by Dr. I. Flitcroft, Georgia Station, Griffin, Ga.

2. Floyd County location.

Total acreage of corn planting for grain in Georgia was 330,000 acres, 11% reduction from last year. This is the lowest planted acres since 2010 when 295,000 acres were planted. 280,000 acres of corn grain were harvested. According to the USDA NASS Website, 184 bu/ac of corn were produced this year for a total of 51.520 million bushels, a 2% drop or 1.18 million bushels less than 2014. Current year corn silage acres are not available at this time, but there has been a range of 30,000 and 50,000 acres harvested per year over that past five years. Corn silage production in Georgia has varied from 16 to 21 tons per acre for a total of 630,000 to 950,000 tons for the last five years

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# Grain Tests Results

## Coastal Plain Region

### Coastal Plain Region of Georgia: Summary of Corn Hybrid Performance, 2015

Company or Brand Name	Variety	Yield					Irrigated Average
		Coastal Plain Average	Tifton Non-Irr.	Tifton Irrigated	Midville Irrigated	Plains Irrigated	
----- bu/acre -----							
<b>Mid-Season</b>							
Dyna-Gro	D58VC37	<b>251.7</b>	<b>170.1</b>	296.6	<b>289.8</b>	<b>250.2</b>	<b>278.9</b>
DeKalb	DKC67-14 GENVT2P	<b>249.9</b>	<b>175.5</b>	<b>330.9</b>	259.9	233.1	<b>274.7</b>
Dyna-Gro	D57VP51	<b>247.3</b>	<b>174.4</b>	<b>307.0</b>	268.4	239.4	<b>271.6</b>
Pioneer	P1637VYHR	<b>246.6</b>	<b>171.8</b>	302.6	<b>277.6</b>	234.2	<b>271.5</b>
Terral-REV®	28HR20™	<b>241.7</b>	139.6	304.6	258.5	<b>264.3</b>	<b>275.8</b>
Croplan Genetics	8621 VT2P	<b>240.9</b>	152.0	280.8	274.8	<b>256.0</b>	<b>270.5</b>
Pioneer	P1794VYHR	<b>240.8</b>	147.5	<b>308.2</b>	255.0	<b>252.7</b>	<b>271.9</b>
Terral-REV®	26BHR50™	<b>239.0</b>	139.2	285.3	<b>281.3</b>	<b>250.2</b>	<b>272.3</b>
DeKalb	DKC68-26 GENVT2P	<b>236.3</b>	123.1	288.9	<b>286.3</b>	<b>246.8</b>	<b>274.0</b>
Pioneer	P1916YHR	<b>234.4</b>	146.2	280.2	261.2	<b>249.8</b>	263.7
T. A. Seeds	TA805-22DP	<b>234.3</b>	144.7	281.2	274.8	236.5	264.2
DeKalb	DKC67-72 GENVT2P	<b>232.1</b>	144.4	271.4	266.5	<b>246.2</b>	261.4
Augusta Seed	7767 VT3 PRO	<b>232.1</b>	<b>172.0</b>	270.1	247.2	239.0	252.1
Croplan Genetics	8512 DGVT2P	<b>231.6</b>	<b>159.5</b>	275.7	261.3	230.0	255.7
Augusta Seed	7068 VT2 Pro	<b>230.8</b>	153.5	272.0	263.7	234.2	256.6
DeKalb	DKC66-59 GENVT2P	<b>226.5</b>	130.4	284.8	254.6	236.3	258.6
Augusta Seed	8868 VT3PRO	<b>221.8</b>	116.3	295.6	252.8	222.3	256.9
T. A. Seeds	TA784-13VPRIB	<b>220.9</b>	119.9	274.6	255.2	233.8	254.5
Syngenta NK	N83D-3000GT	<b>220.3</b>	133.4	272.9	254.3	220.4	249.2
T. A. Seeds	TA120-02	<b>215.9</b>	112.6	274.3	241.5	235.1	250.3
Mycogen	2D848	<b>214.7</b>	139.3	261.2	238.1	220.4	239.9
Dyna-Gro	D58QC72	<b>212.0</b>	123.6	292.4	248.0	184.3	241.5
T. A. Seeds	TA790-31	<b>206.1</b>	93.9	269.3	244.8	216.4	243.5
Augusta Seed	7768 GT3110	<b>204.5</b>	108.8	291.6	255.8	161.8	236.4
AgraTech	908VIP	<b>203.3</b>	138.7	267.3	211.6	195.7	224.9
<i>Average</i>		229.4	141.2	285.6	259.3	231.6	258.8
<i>LSD at 10% Level</i>		N.S. <sup>1</sup>	19.7	25.6	13.3	22.5	12.1
<i>Std. Err. of Entry Mean</i>		15.2	8.3	10.7	11.7	9.6	5.2



## Coastal Plain Region of Georgia: Summary of Corn Hybrid Performance, 2015 (Continued)

Company or Brand Name	Variety	Yield					Irrigated Average
		Coastal Plain Average	Tifton Non-Irr.	Tifton Irrigated	Midville Irrigated	Plains Irrigated	
----- bu/acre -----							
<b>Short-Season</b>							
Terral-REV®	25BHR44™	<b>238.4</b>	122.0	<b>320.5</b>	<b>254.5</b>	<b>256.5</b>	<b>277.2</b>
Pioneer	P1443YHR	<b>233.6</b>	108.2	<b>311.5</b>	<b>269.4</b>	<b>245.4</b>	<b>275.4</b>
AgraTech	1777VIP	<b>229.3</b>	118.9	<b>302.9</b>	245.6	<b>250.0</b>	<b>266.2</b>
Croplan Genetics	6640 VT3P	<b>228.7</b>	<b>131.8</b>	279.1	<b>262.6</b>	<b>241.2</b>	260.9
Pioneer	P1319YHR	<b>227.6</b>	<b>148.8</b>	264.4	<b>251.2</b>	<b>246.2</b>	253.9
Pioneer	P1197YHR	<b>227.0</b>	125.4	284.1	<b>262.6</b>	<b>236.1</b>	260.9
Dyna-Gro	D55VP77	<b>225.8</b>	102.2	293.4	<b>261.2</b>	<b>246.3</b>	<b>267.0</b>
Terral-REV®	25BHR26™	<b>225.4</b>	119.0	276.8	<b>259.2</b>	<b>246.8</b>	260.9
Mycogen	2C797	<b>224.4</b>	128.7	280.8	245.5	<b>242.8</b>	256.3
T. A. Seeds	TA765-30	<b>223.2</b>	<b>132.2</b>	<b>306.2</b>	218.6	<b>235.9</b>	253.6
Terral-REV®	23BHR55™	<b>221.5</b>	118.3	<b>298.8</b>	<b>252.9</b>	215.9	255.9
Dyna-Gro	D55GT73	<b>220.4</b>	116.4	282.4	240.9	<b>242.1</b>	255.1
Dyna-Gro	D55QC73	<b>218.1</b>	118.7	289.7	235.2	228.9	251.3
Croplan Genetics	5570 VT2P	<b>215.1</b>	111.9	273.0	244.8	230.8	249.5
Augusta Seed	5565 VT2PRO	<b>214.6</b>	113.5	267.1	246.7	231.3	248.4
DeKalb	DKC63-60 GENSS	<b>213.1</b>	111.3	258.5	244.9	<b>237.9</b>	247.1
Syngenta NK	N76A-GT/LL/CB	<b>207.8</b>	100.2	247.4	247.8	<b>235.9</b>	243.7
Dyna-Gro	D53VC47	<b>204.8</b>	115.7	283.0	226.1	194.3	234.5
Mycogen	2Y744	<b>203.9</b>	119.1	260.2	247.4	188.7	232.1
Mycogen	2C786	<b>202.9</b>	118.6	261.9	236.5	194.7	231.0
Syngenta NK	N75H-3010A	<b>202.0</b>	<b>142.1</b>	244.0	230.2	191.6	221.9
<i>Average</i>		219.4	120.1	280.3	246.8	230.4	252.5
<i>LSD at 10% Level</i>		N.S.	19.6	26.5	20.3	25.0	13.8
<i>Std. Err. of Entry Mean</i>		16.8	8.2	11.2	8.6	10.5	5.9

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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).

## Tifton, Georgia: Short-Season Corn Hybrid Performance, 2015, 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 %
		2015	2-Yr Avg bu/acre	3-Yr Avg						
Pioneer	P1319YHR	<b>148.8</b>	.	.	96	0.36	3.0	17.6	24938	100
Syngenta NK	N75H-3010A	<b>142.1</b>	.	.	94	0.35	2.0	17.5	25265	100
T. A. Seeds	TA765-30	<b>132.2</b>	.	.	97	0.32	2.0	17.9	24721	100
Croplan Genetics	6640 VT3P	<b>131.8</b>	<b>153.6</b>	<b>173.0</b>	92	0.34	2.5	18.7	24721	100
Mycogen	2C797	128.7	<b>143.2</b>	.	87	0.35	1.5	17.2	24285	100
Pioneer	P1197YHR	125.4	.	.	87	0.34	2.0	17.4	24612	100
Terral-REV®	25BHR44™	122.0	<b>148.5</b>	<b>173.5</b>	95	0.31	2.5	20.1	24721	100
Mycogen	2Y744	119.1	.	.	87	0.33	3.0	17.1	24503	100
Terral-REV®	25BHR26™	119.0	.	.	89	0.31	2.5	17.0	24176	100
AgraTech	1777VIP	118.9	133.6	.	88	0.33	2.0	17.4	23523	100
Dyna-Gro	D55QC73	118.7	135.3	.	85	0.35	2.5	19.0	24067	100
Mycogen	2C786	118.6	147.5	.	99	0.27	1.5	16.5	25156	100
Terral-REV®	23BHR55™	118.3	130.6	.	89	0.31	2.5	17.5	25156	100
Dyna-Gro	D55GT73	116.4	135.3	161.9	93	0.29	2.0	15.3	24176	100
Dyna-Gro	D53VC47	115.7	.	.	96	0.30	2.5	18.8	23414	100
Augusta Seed	5565 VT2PRO	113.5	129.1	152.1	83	0.34	2.5	18.9	23522	100
Croplan Genetics	5570 VT2P	111.9	.	.	83	0.33	2.0	18.5	23849	100
DeKalb	DKC63-60 GENSS	111.3	.	.	92	0.29	2.5	18.2	24176	100
Pioneer	P1443YHR	108.2	.	.	94	0.29	3.0	17.4	23305	100
Dyna-Gro	D55VP77	102.2	124.6	153.6	87	0.29	2.5	19.5	24176	100
Syngenta NK	N76A-GT/LL/CB	100.2	.	.	90	0.26	3.0	17.6	24720	100
<i>Average</i>		120.1 <sup>4</sup>	138.1	162.8	91	0.32	2.4	17.8	24342	100
<i>LSD at 10% Level</i>		19.6	13.9	9.9	N.S. <sup>5</sup>	0.05	N.S.	1.9	N.S.	-
<i>Std. Err. of Entry Mean</i>		8.2	5.9	4.2	4	0.02	0.5	0.8	542	-

1. Yields calculated at 15.5% moisture.

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

3. Grain moisture at harvest.

4. CV = 13.8%, and df for EMS = 60.

5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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: March 30, 2015.

Harvested: August 5, 2015.

Seeding Rate: 25,600 seeds per acre in 30-inch rows.

Soil Type: Tifton loamy sand.

Soil Test: P = Medium, K = Medium, and pH = 6.7.

Fertilization: 65 lb N, 0 lb P<sub>2</sub>O<sub>5</sub>, and 112 lb K<sub>2</sub>O/acre as preplant; 140 lb N/acre as sidedress.

Previous Crop: Fallow.

Management: Disked, subsoiled/bedded, and rototilled; Atrazine, Zidua, Prowl, Accent, and Basagran used for weed control; Telone II used for nematode control.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

## Tifton, Georgia: Mid-Season Corn Hybrid Performance, 2015, 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 %
		2015	2-Yr Avg bu/acre	3-Yr Avg bu/acre						
DeKalb	DKC67-14 GENVT2P	<b>175.5</b>	.	.	99	0.42	2.0	18.5	24394	100
Dyna-Gro	D57VP51	<b>174.4</b>	<b>173.5</b>	<b>182.4</b>	95	0.42	2.0	17.2	25265	99
Augusta Seed	7767 VT3 PRO	<b>172.0</b>	.	.	98	0.41	2.0	17.9	24829	100
Pioneer	P1637VYHR	<b>171.8</b>	.	.	98	0.40	2.0	17.90	25156	100
Dyna-Gro	D58VC37	<b>170.1</b>	.	.	98	0.43	2.0	19.0	23958	100
Croplan Genetics	8512 DGVT2P	<b>159.5</b>	.	.	99	0.38	3.0	19.7	25156	100
Augusta Seed	7068 VT2 Pro	153.5	.	.	96	0.41	2.0	20.6	23196	100
Croplan Genetics	8621 VT2P	152.0	<b>148.4</b>	<b>168.0</b>	96	0.36	2.5	17.6	24938	100
Pioneer	P1794VYHR	147.5	<b>160.7</b>	.	100	0.33	2.5	17.8	25265	100
Pioneer	P1916YHR	146.2	.	.	98	0.36	3.0	20.3	24721	100
T. A. Seeds	TA805-22DP	144.7	.	.	95	0.38	2.0	20.3	23631	100
DeKalb	DKC67-72 GENVT2P	144.4	.	.	98	0.34	2.5	17.7	24503	100
Terra-REV®	28HR20™	139.6	<b>151.2</b>	<b>172.8</b>	96	0.34	2.5	19.6	24721	100
Mycogen	2D848	139.3	.	.	99	0.35	1.0	22.3	24503	98
Terra-REV®	26BHR50™	139.2	<b>150.4</b>	<b>166.9</b>	97	0.35	2.0	18.9	23740	100
AgraTech	908VIP	138.7	.	.	98	0.37	1.5	21.6	22760	100
Syngenta NK	N83D-3000GT	133.4	<b>149.8</b>	.	96	0.34	2.0	19.5	24285	100
DeKalb	DKC66-59 GENVT2P	130.4	.	.	95	0.34	2.5	19.5	23632	100
Dyna-Gro	D58QC72	123.6	.	.	93	0.34	2.5	21.6	24176	100
DeKalb	DKC68-26 GENVT2P	123.1	.	.	98	0.30	2.0	17.2	24503	100
T. A. Seeds	TA784-13VPRIB	119.9	<b>132.4</b>	.	96	0.29	3.0	17.1	24394	100
Augusta Seed	8868 VT3PRO	116.3	<b>139.2</b>	.	87	0.33	2.5	17.9	23958	100
T. A. Seeds	TA120-02	112.6	.	.	89	0.32	3.0	18.3	23087	100
Augusta Seed	7768 GT3110	108.8	<b>129.2</b>	.	93	0.30	2.5	20.8	24176	100
T. A. Seeds	TA790-31	93.9	<b>126.3</b>	.	90	0.25	3.0	18.1	24176	100
<i>Average</i>		141.2 <sup>4</sup>	146.1	172.5	96	0.35	2.3	19.1	24285	100
<i>LSD at 10% Level</i>		19.7	N.S. <sup>5</sup>	N.S.	6	0.03	0.8	1.4	1274	-
<i>Std. Err. of Entry Mean</i>		8.3	5.3	4.7	3	0.02	0.2	0.6	1540	-

1. Yields calculated at 15.5% moisture.

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

3. Grain moisture at harvest.

4. CV = 11.8%, and df for EMS = 72.

5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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: March 30, 2015.

Harvested: August 5, 2015.

Seeding Rate: 25,600 seeds per acre in 30-inch rows.

Soil Type: Tifton loamy sand.

Soil Test: P = Medium, K = Medium, and pH = 6.7.

Fertilization: 65 lb N, 0 lb P<sub>2</sub>O<sub>5</sub>, and 112 lb K<sub>2</sub>O/acre as preplant; 140 lb N/acre as sidedress.

Previous Crop: Fallow.

Management: Disked, subsoiled/bedded, and rototilled; Atrazine, Zidua, Prowl, Accent, and Basagran used for weed control; Telone II used for nematode control.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

## Tifton, Georgia: Short-Season Corn Hybrid Performance, 2015, 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 %
		2015	2-Yr Avg	3-Yr Avg						
Terral-REV®	25BHR44	<b>320.5</b>	<b>277.9</b>	<b>276.5</b>	102	0.53	1.9	18.9	34413	99
Pioneer	P1443YHR	<b>311.5</b>	.	.	102	0.51	0.9	17.2	33868	99
T. A. Seeds	TA765-30	<b>306.2</b>	.	.	99	0.52	1.9	18.6	34521	99
AgraTech	1777VIP	<b>302.9</b>	249.8	.	100	0.51	1.9	18.1	34521	99
Terral-REV®	23BHR55™	<b>298.8</b>	259.6	.	102	0.50	1.9	18.2	34304	99
Dyna-Gro	D55VP77	293.4	253.2	256.3	100	0.52	0.9	18.2	32888	100
Dyna-Gro	D55QC73	289.7	257.3	.	95	0.52	1.4	17.8	33650	99
Pioneer	P1197YHR	284.1	.	.	100	0.48	2.2	17.3	33650	98
Dyna-Gro	D53VC47	283.0	.	.	104	0.46	1.9	18.7	34848	95
Dyna-Gro	D55GT73	282.4	247.3	252.0	101	0.49	1.4	18.1	32888	99
Mycogen	2C797	280.8	236.4	.	103	0.45	1.4	18.4	34630	99
Croplan Genetics	6640 VT3P	279.1	240.1	248.0	101	0.51	1.4	17.4	31037	100
Terral-REV®	25BHR26™	276.8	.	.	100	0.47	1.9	18.0	33650	100
Croplan Genetics	5570 VT2P	273.0	.	.	99	0.50	0.9	18.5	32126	100
Augusta Seed	5565 VT2PRO	267.1	222.4	231.7	99	0.49	0.9	18.3	32235	100
Pioneer	P1319YHR	264.4	.	.	99	0.47	2.2	17.6	32670	99
Mycogen	2C786	261.9	242.4	.	104	0.42	0.9	18.4	34630	100
Mycogen	2Y744	260.2	.	.	102	0.43	1.4	17.1	34086	99
DeKalb	DKC63-60 GENSS	258.5	.	.	101	0.44	1.4	17.9	33542	100
Syngenta NK	N76A-GT/LL/CB	247.4	.	.	101	0.42	1.4	17.8	33759	100
Syngenta NK	N75H-3010A	244.0	.	.	102	0.42	1.9	17.9	33650	96
<i>Average</i>		280.3 <sup>4</sup>	248.6	252.9	101	0.48	1.5	18	33598	99
<i>LSD at 10% Level</i>		26.5	16.7	13.2	4	0.05	0.4	0.06	1372	N.S. <sup>5</sup>
<i>Std. Err. of Entry Mean</i>		11.2	7.1	5.5	2	0.02	0.1	0.2	580	1

1. Yields calculated at 15.5% moisture.

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

3. Grain moisture at harvest.

4. CV = 8.0%, and df for EMS = 60.

5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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, 2015.

Harvested: August 11, 2015.

Seeding Rate: 35,000 seeds per acre in 30-inch rows.

Soil Type: Tifton loamy sand.

Soil Test: P = Very High, K = Medium, and pH = 6.7.

Fertilization: 148 lb N, 0 lb P<sub>2</sub>O<sub>5</sub>, and 360 lb K<sub>2</sub>O/acre as preplant; 240 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Disked, subsoiled/bedded, and rototilled; Atrazine, Zidua, Prowl, Accent, and Basagran used for weed control; Telone II used for nematode control; Headline used for fungal control; irrigated 14 inches.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

## Tifton, Georgia: Mid-Season Corn Hybrid Performance, 2015, 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 %
		2015	2-Yr Avg bu/acre	3-Yr Avg						
DeKalb	DKC67-14 GENVT2P	<b>330.9</b>	.	.	101	0.56	1.0	18.4	34086	99
Pioneer	P1794VYHR	<b>308.2</b>	.	.	105	0.51	1.5	19.2	34086	99
Dyna-Gro	D57VP51	<b>307.0</b>	<b>271.2</b>	273.0	103	0.50	1.5	19.3	34848	100
Terral-REV®	28HR20™	304.6	<b>296.6</b>	<b>289.9</b>	102	0.53	2.5	20.0	33650	100
Pioneer	P1637VYHR	302.6	.	.	104	0.49	2.0	18.4	34521	100
Dyna-Gro	D58VC37	296.6	.	.	101	0.49	1.5	18.7	34630	100
Augusta Seed	8868 VT3PRO	295.6	.	.	101	0.52	2.3	18.3	32779	99
Dyna-Gro	D58QC72	292.4	.	.	99	0.54	1.5	20.8	33106	87
Augusta Seed	7768 GT3110	291.6	.	.	102	0.51	1.5	20.8	33650	93
DeKalb	DKC68-26 GENVT2P	288.9	.	.	98	0.51	1.5	19.4	33977	100
Terral-REV®	26BHR50™	285.3	<b>277.3</b>	.	100	0.52	2.0	19.7	32343	96
DeKalb	DKC66-59 GENVT2P	284.8	.	.	101	0.52	2.0	19.5	32126	100
T. A. Seeds	TA805-22DP	281.2	.	.	101	0.53	1.0	20.1	31472	99
Croplan Genetics	8621 VT2P	280.8	<b>262.5</b>	263.4	101	0.48	2.3	18.8	33977	100
Pioneer	P1916YHR	280.2	.	.	103	0.46	2.5	20.0	34630	100
Croplan Genetics	8512 DGVT2P	275.7	.	.	101	0.46	1.5	18.5	34521	100
T. A. Seeds	TA784-13VPRIB	274.6	.	.	101	0.47	1.5	18.8	34086	99
T. A. Seeds	TA120-02	274.3	.	.	100	0.49	2.0	18.7	32561	100
Syngenta NK	N83D-3000GT	272.9	.	.	100	0.50	1.5	21.4	33215	100
Augusta Seed	7068 VT2 Pro	272.0	.	.	100	0.53	1.5	19.8	30165	100
DeKalb	DKC67-72 GENVT2P	271.4	.	.	101	0.46	2.3	19.0	34086	99
Augusta Seed	7767 VT3 PRO	270.1	.	.	99	0.47	1.0	18.8	33977	100
T. A. Seeds	TA790-31	269.3	.	.	99	0.51	1.5	19.0	31037	99
AgraTech	908VIP	267.3	.	.	100	0.48	1.5	20.3	32997	99
Mycogen	2D848	261.2	.	.	100	0.46	2.0	21.0	33977	100
<i>Average</i>		285.6 <sup>4</sup>	276.9	275.5	101	0.5	1.7	19.5	33380	99
<i>LSD at 10% Level</i>		25.6	N.S. <sup>5</sup>	6.1	3	0.01	0.7	0.9	1627	3
<i>Std. Err. of Entry Mean</i>		10.7	5.4	2.5	1	0.02	0.2	0.4	690	1

1. Yields calculated at 15.5% moisture.

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

3. Grain moisture at harvest.

4. CV = 7.6%, and df for EMS = 72.

5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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, 2015.

Harvested: August 12, 2015.

Seeding Rate: 35,000 seeds per acre in 30-inch rows.

Soil Type: Tifton loamy sand.

Soil Test: P = Very High, K = Medium, and pH = 6.7.

Fertilization: 148 lb N, 0 lb P<sub>2</sub>O<sub>5</sub>, and 360 lb K<sub>2</sub>O/acre as preplant; 240 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Disked, subsoiled/bedded, and rototilled; Atrazine, Zidua, Prowl, Accent, and Basagran used for weed control; Telone II used for nematode control; Headline used for fungal control; irrigated 14 inches.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

## Tifton, Georgia: Preliminary Corn Hybrid Performance, 2015, 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 %
		2015 ----- bu/acre	2-Yr Avg						
Terral-REV®	25BHR26™	<b>310.4</b>	.	99	0.53	2.0	17.9	34086	99
Dyna-Gro	D58VC37	<b>303.8</b>	.	101	0.53	1.5	18.6	32997	100
DeKalb	DKC66-59 GENVT2P	<b>299.3</b>	.	100	0.52	2.0	18.3	32888	100
T. A. Seeds	X19986	<b>295.6</b>	.	100	0.50	1.5	18.2	34521	99
DeKalb	DKC68-26 GENVT2P	<b>294.4</b>	.	101	0.51	2.0	18.9	33106	100
T. A. Seeds	X19918	<b>284.5</b>	244.5	101	0.47	1.0	18.3	34413	100
Pioneer	P1197YHR	<b>282.9</b>	.	97	0.49	2.5	16.9	33868	99
AgraTech	1777VIP	280.1	.	99	0.49	2.0	18.0	33433	99
Augusta Seed	7767 VT3 PRO	279.1	.	104	0.45	1.5	18.4	34848	100
Croplan Genetics	8512 DGVT2P	277.4	.	103	0.47	2.3	18.0	33324	100
T. A. Seeds	X19959	274.8	.	100	0.46	1.5	18.1	34304	100
Dyna-Gro	D53VC47	273.9	.	100	0.49	1.5	18.4	32561	98
Mycogen	2D848	257.3	.	102	0.47	1.0	20.8	32234	99
Syngenta NK	N70J-3111A	245.3	.	102	0.41	2.0	17.8	33868	100
<i>Average</i>		282.8 <sup>4</sup>	244.5	101	0.49	1.7	18.3	33603	100
<i>LSD at 10% Level</i>		28.2	-	3	0.05	-	0.7	1484	N.S. <sup>5</sup>
<i>Std. Err. of Entry Mean</i>		12	-	1	0.02	-	0.3	623	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 = 39.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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, 2015.  
Harvested: August 11, 2015.  
Seeding Rate: 35,000 seeds per acre in 30-inch rows.  
Soil Type: Tifton loamy sand.  
Soil Test: P = Very High, K = Medium, and pH = 6.7.  
Fertilization: 148 lb N, 0 lb P<sub>2</sub>O<sub>5</sub>, and 360 lb K<sub>2</sub>O/acre as preplant; 240 lb N/acre as sidedress.  
Previous Crop: Soybeans.  
Management: Disked, subsoiled/bedded, and rototilled; Atrazine, Zidua, Prowl, Accent, and Basagran used for weed control; Telone II used for nematode control; Headline used for fungal control; irrigated 14 inches.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

## Plains, Georgia: Short-Season Corn Hybrid Performance, 2015, 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 %
		2015	2-Yr Avg bu/acre	3-Yr Avg						
Terral-REV®	25BHR44™	<b>256.5</b>	<b>231.4</b>	<b>215.6</b>	102	0.42	2	18.4	34848	62
AgraTech	1777VIP	<b>250.0</b>	211.1	.	100	0.43	1	17.5	33215	53
Terral-REV®	25BHR26™	<b>246.8</b>	.	.	101	0.42	2	17.6	33977	83
Dyna-Gro	D55VP77	<b>246.3</b>	202.7	<b>198.0</b>	100	0.42	2	17.1	33432	94
Pioneer	P1319YHR	<b>246.2</b>	.	.	100	0.42	2	17.7	33650	78
Pioneer	P1443YHR	<b>245.4</b>	.	.	100	0.45	3	17.2	31581	61
Mycogen	2C797	<b>242.8</b>	211.0	.	101	0.40	2	17.0	33977	73
Dyna-Gro	D55GT73	<b>242.1</b>	212.2	<b>198.1</b>	102	0.42	1	17.2	32670	68
Croplan Genetics	6640 VT3P	<b>241.2</b>	194.8	<b>185.4</b>	100	0.42	2	16.0	32670	85
DeKalb	DKC63-60 GENSS	<b>237.9</b>	.	.	102	0.39	2	17.5	34195	90
Pioneer	P1197YHR	<b>236.1</b>	.	.	100	0.42	2	16.2	32126	48
T. A. Seeds	TA765-30	<b>235.9</b>	209.4	.	101	0.40	1	17.7	33650	74
Syngenta NK	N76A-GT/LL/CB	235.9	.	.	100	0.40	3	17.8	33977	56
Augusta Seed	5565 VT2PRO	231.3	186.2	<b>191.7</b>	100	0.40	2	16.8	33215	99
Croplan Genetics	5570 VT2P	230.8	.	.	100	0.40	1	17.7	33106	82
Dyna-Gro	D55QC73	228.9	203.0	.	100	0.41	1	17.8	31908	90
Terral-REV®	23BHR55™	215.9	204.6	.	102	0.36	2	17.5	34304	62
Mycogen	2C786	194.7	180.5	.	100	0.33	2	16.6	33215	28
Dyna-Gro	D53VC47	194.3	.	.	100	0.37	2	17.4	30492	28
Syngenta NK	N75H-3010A	191.6	.	.	100	0.37	2	18.3	30274	38
Mycogen	2Y744	188.7	.	.	100	0.33	2	16.2	32126	29
<i>Average</i>		230.4 <sup>4</sup>	204.2	197.8	100	0.4	1.9	17.3	32981	66
<i>LSD at 10% Level</i>		25.0	13.6	N.S. <sup>5</sup>	N.S.	0.04	-	0.8	2783	24
<i>Std. Err. of Entry Mean</i>		10.5	5.7	4.6	1	0.02	-	0.3	1178	10

1. Yields calculated at 15.5% moisture.

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

3. Grain moisture at harvest.

4. CV = 9.2%, and df for EMS = 60.

5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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 2, 2015.

Harvested: August 14, 2015.

Seeding Rate: 35,000 seeds per acre in 30-inch rows.

Soil Type: Faceville sandy loam.

Soil Test: P = Low, K = High, and pH = 6.5.

Fertilization: 100 lb N, 150 lb P<sub>2</sub>O<sub>5</sub>, and 170 lb K<sub>2</sub>O/acre as preplant; 200 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Disked, subsoiled, and rototilled; Atrazine and Prowl used for weed control; Folicur used for fungal control; irrigated 9 inches.

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, G. South, and B. McCranie.

## Plains, Georgia: Mid-Season Corn Hybrid Performance, 2015, 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 %
		2015	2-Yr Avg	3-Yr Avg						
Terral-REV®	28HR20™	<b>264.3</b>	<b>212.3</b>	<b>175.0</b>	100	0.45	2	19.0	34195	61
Croplan Genetics	8621 VT2P	<b>256.0</b>	212.1	<b>197.5</b>	100	0.43	2	17.6	33977	81
Pioneer	P1794VYHR	<b>252.7</b>	<b>227.0</b>	.	100	0.43	1	18.0	33759	60
Terral-REV®	26BHR50™	<b>250.2</b>	<b>212.4</b>	<b>192.6</b>	100	0.43	2	18.8	33759	42
Dyna-Gro	D58VC37	<b>250.2</b>	.	.	100	0.45	2	18.4	32126	49
Pioneer	P1916YHR	<b>249.8</b>	.	.	100	0.44	2	19.6	33759	53
DeKalb	DKC68-26 GENVT2P	<b>246.8</b>	.	.	100	0.41	1	17.6	34304	78
DeKalb	DKC67-72 GENVT2P	<b>246.2</b>	.	.	102	0.41	2	19.2	34521	94
Dyna-Gro	D57VP51	239.4	198.6	<b>191.1</b>	100	0.43	1	18.6	32670	74
Augusta Seed	7767 VT3 PRO	239.0	.	.	100	0.40	2	17.5	34304	63
T. A. Seeds	TA805-22DP	236.5	.	.	100	0.41	1	17.6	32888	82
DeKalb	DKC66-59 GENVT2P	236.3	.	.	100	0.44	1	17.5	31254	58
T. A. Seeds	TA120-02	235.1	.	.	100	0.42	2	16.2	31799	73
Pioneer	P1637VYHR	234.2	.	.	101	0.43	2	17.0	31146	74
Augusta Seed	7068 VT2 Pro	234.2	.	.	100	0.40	1	18.1	33650	85
T. A. Seeds	TA784-13VPRIB	233.8	188.9	.	100	0.39	2	17.1	34413	70
DeKalb	DKC67-14 GENVT2P	233.1	.	.	100	0.43	1	18.7	31581	45
Croplan Genetics	8512 DGVT2P	230.0	.	.	100	0.38	1	17.1	34304	96
Augusta Seed	8868 VT3PRO	222.3	195.9	.	100	0.38	1	17.2	33650	52
Syngenta NK	N83D-3000GT	220.4	191.3	.	100	0.38	1	20.3	34304	34
Mycogen	2D848	220.4	.	.	100	0.39	2	19.9	33215	27
T. A. Seeds	TA790-31	216.4	194.2	.	100	0.40	2	18.4	31581	43
AgraTech	908VIP	195.7	.	.	100	0.36	2	20.4	32126	33
Dyna-Gro	D58QC72	184.3	.	.	100	0.35	2	20.4	31037	20
Augusta Seed	7768 GT3110	161.8	152.5	.	100	0.30	2	21.2	31581	18
<i>Average</i>		231.6 <sup>4</sup>	198.5	189.1	100	0.41	1.6	18.4	33036	58
<i>LSD at 10% Level</i>		22.5	14.8	N.S. <sup>5</sup>	1	0.04	-	1.0	2283	27
<i>Std. Err. of Entry Mean</i>		9.6	6.2	5.2	1	0.02	-	0.4	969	12

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 8.2%, and df for EMS = 72.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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 2, 2015.  
Harvested: August 14, 2015.  
Seeding Rate: 35,000 seeds per acre in 30-inch rows.  
Soil Type: Faceville sandy loam.  
Soil Test: P = Low, K = High, and pH = 6.5.  
Fertilization: 100 lb N, 150 lb P<sub>2</sub>O<sub>5</sub>, and 170 lb K<sub>2</sub>O/acre as preplant; 200 lb N/acre as sidedress.  
Previous Crop: Soybeans.  
Management: Disked, subsoiled, and rototilled; Atrazine and Prowl used for weed control; Folicur used for fungal control; irrigated 9 inches.

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, G. South, and B. McCranie.



## Midville, Georgia: Short-Season Corn Hybrid Performance, 2015, 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 %
		2015	2-Yr Avg bu/acre	3-Yr Avg						
Pioneer	P1443YHR	<b>269.4</b>	.	.	99	0.49	1.7	17.8	32241	91
Terral-REV®	25BHR26™	<b>263.4</b>	.	.	100	0.46	1.7	17.9	33215	100
Croplan Genetics	6640 VT3P	<b>263.2</b>	<b>235.8</b>	<b>214</b>	100	0.50	1.7	17.9	30184	97
Pioneer	P1197YHR	<b>262.6</b>	.	.	100	0.45	2.7	17.2	33578	95
Dyna-Gro	D55VP77	<b>261.8</b>	<b>248.1</b>	<b>221.8</b>	99	0.48	1.7	18.2	32307	100
Terral-REV®	23BHR55™	<b>261.7</b>	<b>263.5</b>	.	99	0.46	1.8	17.5	33487	100
Terral-REV®	25BHR44™	<b>254.5</b>	<b>263.8</b>	<b>233.6</b>	101	0.44	1.2	19.2	33814	97
Pioneer	P1319YHR	<b>251.2</b>	.	.	100	0.44	2.2	18.8	33124	98
Syngenta NK	N76A-GT/LL/CB	248.4	.	.	100	0.43	1.7	18.3	33215	69
Mycogen	2Y744	247.4	.	.	100	0.42	1.2	18.1	33941	95
Augusta Seed	5565 VT2PRO	246.7	<b>220.5</b>	<b>209.8</b>	99	0.49	1.7	18.6	29494	99
Mycogen	2C797	245.5	<b>251.9</b>	.	100	0.43	1.7	18.3	33124	99
AgraTech	1777VIP	245.1	<b>250.2</b>	.	100	0.44	2.2	18.9	32670	99
DeKalb	DKC63-60 GENSS	244.9	.	.	100	0.42	2.2	17.3	33759	100
Croplan Genetics	5570 VT2P	244.8	.	.	100	0.50	1.7	19.7	29040	99
Dyna-Gro	D55GT73	241.6	<b>252.9</b>	<b>240.5</b>	100	0.44	2.0	18.3	31763	98
Mycogen	2C786	236.5	<b>230.9</b>	.	100	0.42	1.7	19.1	33396	96
Dyna-Gro	D55QC73	235.2	<b>254.6</b>	.	98	0.46	1.7	19.4	30764	94
Syngenta NK	N75H-3010A	230.2	.	.	100	0.42	2.2	18.9	31944	93
Dyna-Gro	D53VC47	226.1	.	.	96	0.43	1.7	18.6	32241	88
T. A. Seeds	TA765-30	218.6	.	.	100	0.40	1.7	19.1	31944	100
<i>Average</i>		247.6 <sup>4</sup>	247.2	223.9	99	0.45	1.8	18.4	32345	96
<i>LSD at 10% Level</i>		20.3	N.S. <sup>5</sup>	N.S.	2	0.04	0.7	0.9	1568	10
<i>Std. Err. of Entry Mean</i>		8.6	5.9	5.4	1	0.02	0.3	0.04	664	4

1. Yields calculated at 15.5% moisture.

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

3. Grain moisture at harvest.

4. CV = 6.9%, and df for EMS = 60.

5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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 10, 2015.

Harvested: August 20, 2015.

Seeding Rate: 34,000 seeds per acre in 30-inch rows.

Soil Type: Dothan loamy sand.

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

Fertilization: 100 lb N, 170 lb P<sub>2</sub>O<sub>5</sub>, and 240 lb K<sub>2</sub>O/acre as preplant; 200 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Disked, field conditioned, and subsoiled/bedded; Atrazine and Warrant used for weed control; Telone II used for nematode control; Headline used for fungal control; irrigated 14 inches.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

## Midville, Georgia: Mid-Season Corn Hybrid Performance, 2015, 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 %
		2015	2-Yr Avg	3-Yr Avg						
Dyna-Gro	D58VC37	<b>289.8</b>	.	.	100	0.52	1.5	19.0	32670	62
DeKalb	DKC68-26 GENVT2P	<b>286.3</b>	.	.	100	0.48	1.5	17.5	34485	97
Terral-REV®	26BHR50™	<b>281.3</b>	<b>268.4</b>	<b>249.4</b>	99	0.55	2.0	19.4	30346	63
Pioneer	P1637VYHR	<b>277.6</b>	.	.	100	0.47	2.0	17.9	34122	91
Croplan Genetics	8621 VT2P	274.8	<b>261.2</b>	<b>246.8</b>	100	0.50	1.5	17.7	31490	91
T. A. Seeds	TA805-22DP	274.8	.	.	101	0.49	1.0	19.0	32398	95
Dyna-Gro	D57VP51	268.4	<b>243.7</b>	<b>233.4</b>	100	0.49	1.5	17.6	31581	62
DeKalb	DKC67-72 GENVT2P	266.5	.	.	101	0.46	2.0	17.9	33305	84
Augusta Seed	7068 VT2 Pro	263.7	.	.	99	0.49	1.5	20.0	31853	87
Croplan Genetics	8512 DGVT2P	261.3	.	.	101	0.45	2.0	19.8	34213	88
Pioneer	P1916YHR	261.2	.	.	100	0.44	1.0	19.7	34757	90
DeKalb	DKC67-14 GENVT2P	259.9	.	.	101	0.47	1.5	17.9	31853	47
Terral-REV®	28HR20™	258.5	<b>254.4</b>	<b>242.1</b>	100	0.46	2.0	18.2	32489	86
Augusta Seed	7768 GT3110	255.8	<b>244.2</b>	.	100	0.47	1.5	19.8	32216	27
T. A. Seeds	TA784-13VPRIB	255.2	<b>250.1</b>	.	100	0.45	2.5	18.1	32942	82
Pioneer	P1794VYHR	255.0	<b>254.8</b>	.	100	0.44	2.0	18.8	34122	92
DeKalb	DKC66-59 GENVT2P	254.6	.	.	102	0.46	1.5	19.0	31581	98
Syngenta NK	N83D-3000GT	254.3	<b>245.3</b>	.	100	0.47	1.0	20.3	32035	72
Augusta Seed	8868 VT3PRO	252.8	<b>241.4</b>	.	99	0.46	1.5	17.6	32035	82
Dyna-Gro	D58QC72	248.0	.	.	100	0.45	1.5	19.5	32307	38
Augusta Seed	7767 VT3 PRO	247.2	.	.	100	0.44	2.0	19.4	32942	70
T. A. Seeds	TA790-31	244.8	<b>241.4</b>	.	99	0.45	2.0	19.2	32282	33
T. A. Seeds	TA120-02	241.5	.	.	100	0.45	2.0	17.6	30951	92
Mycogen	2D848	238.1	.	.	100	0.44	1.0	20.2	32489	70
AgraTech	908VIP	211.6	.	.	100	0.41	2.0	20.3	30674	37
<i>Average</i>		259.3 <sup>4</sup>	250.5	242.9	100	0.47	1.7	18.9	32486	73
<i>LSD at 10% Level</i>		13.3	N.S. <sup>5</sup>	N.S.	1	0.03	N.S.	0.9	1370	21
<i>Std. Err. of Entry Mean</i>		11.7	5.5	5.1	1	0.02	0.3	0.4	582	9

1. Yields calculated at 15.5% moisture.

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

3. Grain moisture at harvest.

4. CV = 4.4%, and df for EMS = 72.

5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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 10, 2015.

Harvested: August 20, 2015.

Seeding Rate: 35,000 seeds per acre in 30-inch rows.

Soil Type: Dothan loamy sand.

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

Fertilization: 100 lb N, 170 lb P<sub>2</sub>O<sub>5</sub>, and 240 lb K<sub>2</sub>O/acre as preplant; 200 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Disked, field conditioned, and subsoiled/bedded; Atrazine and Warrant used for weed control; Telone II used for nematode control; Headline used for fungal control; irrigated 14 inches.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

# Piedmont Region

## Griffin, Georgia:

### Short-Season Corn Hybrid Performance, 2015, 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 %
		2015	2-Yr Avg	3-Yr Avg						
Pioneer	P1197YHR	<b>256.0</b>	.	.	103	0.41	2.0	15.9	33880	100
Dyna-Gro	D55VP77	<b>250.8</b>	<b>200.6</b>	220.2	101	0.42	2.0	16.8	33396	100
Croplan Genetics	5570 VT2P	<b>248.7</b>	.	.	103	0.43	2.0	17.2	32428	100
Pioneer	P1443YHR	<b>246.2</b>	.	.	103	0.41	2.0	16.2	32670	100
Croplan Genetics	6640 VT3P	<b>245.8</b>	.	.	100	0.42	2.0	16.9	33517	100
Syngenta NK	N76A-GT/LL/CB	<b>238.3</b>	.	.	102	0.40	2.4	17.9	33154	100
Mycogen	2Y744	<b>237.0</b>	.	.	100	0.41	2.1	17.3	33275	100
Terral-REV®	25BHR26™	<b>236.1</b>	.	.	101	0.41	2.1	16.9	32791	100
Terral-REV®	23BHR55™	233.3	<b>206.2</b>	.	103	0.39	2.6	16.5	33396	100
Syngenta NK	N75H-3010A	230.2	.	.	102	0.40	2.3	17.1	32791	100
Syngenta NK	N70J-3111A	230.2	.	.	102	0.39	2.1	16.6	32549	100
Mycogen	2C797	229.9	<b>196.2</b>	.	101	0.40	2.0	16.7	32549	100
Mycogen	2C786	226.4	<b>201.4</b>	.	100	0.39	2.0	17.1	32912	100
Terral-REV®	25BHR44™	224.6	<b>208.2</b>	229.3	104	0.38	2.0	17.9	33396	100
T. A. Seeds	TA765-30	220.7	.	.	103	0.36	1.4	17.3	33759	100
DeKalb	DKC63-60 GENSS	216.1	.	.	103	0.36	1.8	16.9	33396	100
Pioneer	P1319YHR	213.9	.	.	102	0.37	2.0	16.8	32791	100
Dyna-Gro	D53VC47	209.3	.	.	101	0.35	2.3	17.1	33759	100
Dyna-Gro	D55QC73	207.8	<b>188.5</b>	.	100	0.37	1.5	17.0	32549	100
Dyna-Gro	D55GT73	174.0	<b>170.3</b>	.	100	0.30	1.1	17.4	33638	100
<i>Average</i>		228.8 <sup>4</sup>	195.9	224.7	102	0.39	2.0	17.0	33130	100
<i>LSD at 10% Level</i>		21.8	N.S. <sup>5</sup>	-	N.S.	N.S.	0.3	0.4	N.S.	-
<i>Std. Err. of Entry Mean</i>		9.2	5.6	-	1	0.02	0.1	0.2	966	-

1. Yields calculated at 15.5% moisture.

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

3. Grain moisture at harvest.

4. CV = 8.0%, and df for EMS = 57.

5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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 8, 2015.

Harvested: September 3, 2015.

Seeding Rate: 34,000 seeds per acre in 30-inch rows.

Soil Type: Cecil clay loam.

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

Fertilization: 75 lb N, 150 lb P<sub>2</sub>O<sub>5</sub>, and 225 lb K<sub>2</sub>O/acre as preplant; 200 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Subsoiled, disked, and rototilled; Atrazine and Zidua used for weed control; irrigated 12 inches.

Test conducted by H. Jordan and G. Ware.

## Griffin, Georgia: Mid-Season Corn Hybrid Performance, 2015, 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 %
		2015	2-Yr Avg bu/acre	3-Yr Avg bu/acre						
Croplan Genetics	8621 VT2P	<b>262.1</b>	.	.	105	0.44	2.3	19.6	34001	100
Croplan Genetics	8512 DGVT2P	<b>258.7</b>	.	.	103	0.46	2.0	18.8	32065	100
T. A. Seeds	TA805-22DP	<b>257.1</b>	.	.	102	0.46	1.9	19.5	32065	99
Pioneer	P1794VYHR	<b>254.7</b>	.	.	102	0.44	2.0	19.6	33759	100
DeKalb	DKC67-14 GENVT2P	<b>253.4</b>	.	.	103	0.44	2.3	17.7	32549	95
Terral-REV®	28HR20™	<b>252.1</b>	<b>203.7</b>	<b>225.4</b>	102	0.44	1.8	18.7	33154	100
DeKalb	DKC66-59 GENVT2P	<b>251.0</b>	.	.	103	0.45	2.3	18.5	31823	99
DeKalb	DKC67-72 GENVT2P	<b>249.6</b>	.	.	103	0.43	2.4	19.7	33396	100
T. A. Seeds	TA784-13VPRIB	<b>247.9</b>	<b>194.4</b>	.	101	0.44	1.9	19.1	32307	98
Syngenta NK	N83D-3000GT	<b>246.9</b>	<b>203.3</b>	.	102	0.46	2.1	18.9	31218	86
Dyna-Gro	D58QC72	<b>245.9</b>	.	.	101	0.45	1.9	19.1	31823	100
Dyna-Gro	D58VC37	<b>245.2</b>	.	.	102	0.41	1.9	19.0	34122	100
T. A. Seeds	TA120-02	<b>244.0</b>	.	.	101	0.42	2.1	17.8	32670	99
T. A. Seeds	TA790-31	<b>242.1</b>	<b>199.6</b>	.	102	0.43	1.8	18.4	32428	100
Dyna-Gro	D57VP51	238.3	<b>198.5</b>	<b>226.3</b>	102	0.41	1.5	18.3	33396	100
Pioneer	P1916YHR	237.9	.	.	101	0.41	2.3	18.4	33396	100
Terral-REV®	26BHR50™	235.7	<b>201.9</b>	<b>225.5</b>	102	0.44	2.0	18.9	30734	97
Mycogen	2D848	235.2	.	.	100	0.40	2.0	17.9	34122	100
DeKalb	DKC68-26 GENVT2P	217.6	.	.	102	0.38	2.3	18.9	32912	100
Pioneer	P1637VYHR	206.8	.	.	103	0.36	1.9	19.2	32428	100
<i>Average</i>		244.1 <sup>4</sup>	200.2	225.8	102	0.43	2.0	18.8	32718	99
<i>LSD at 10% Level</i>		22.3	N.S. <sup>5</sup>	N.S.	N.S.	0.04	0.4	N.S.	1811	1
<i>Std. Err. of Entry Mean</i>		9.4	6.8	5.8	1	0.02	0.2	0.6	766	1

1. Yields calculated at 15.5% moisture.

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

3. Grain moisture at harvest.

4. CV = 7.7%, and df for EMS = 57.

5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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 8, 2015.

Harvested: September 3, 2015.

Seeding Rate: 34,500 seeds per acre in 30-inch rows.

Soil Type: Cecil clay loam.

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

Fertilization: 75 lb N, 150 lb P<sub>2</sub>O<sub>5</sub>, and 225 lb K<sub>2</sub>O/acre as preplant; 200 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Subsoiled, disked, and rototilled; Atrazine and Zidua used for weed control; irrigated 12 inches.

Test conducted by H. Jordan and G. Ware.

# North Georgia Region

## Calhoun, Georgia:

### Short-Season Corn Hybrid Performance, 2015, 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 %
		2015	2-Yr Avg bu/acre	3-Yr Avg						
Croplan Genetics	6640 VT3P	<b>172.0</b>	<b>175.0</b>	<b>179.1</b>	100	0.38	2.0	16.5	25284	95
Dyna-Gro	D55VP77	<b>162.7</b>	<b>181.2</b>	.	100	0.35	2.1	18.6	27083	100
Terral-REV®	23BHR55™	<b>159.6</b>	<b>191.2</b>	.	100	0.35	2.1	18.1	26704	93
Syngenta NK	N70J-3111A	<b>153.9</b>	.	.	100	0.34	2.3	17.5	26136	100
Terral-REV®	24BHR93™	152.4	<b>191.6</b>	<b>204.6</b>	100	0.33	2.0	19.6	27272	100
Terral-REV®	22BHR43™	152.1	<b>179.9</b>	<b>191.3</b>	99	0.34	2.0	17.6	26136	99
Mycogen	2C786	151.4	<b>169.4</b>	.	100	0.33	2.0	19.3	27083	99
Pioneer	P1319YHR	150.5	.	.	100	0.32	1.9	17.7	26894	89
Mycogen	2C797	147.6	<b>180.7</b>	.	101	0.33	2.0	17.4	25852	98
Dyna-Gro	D53VC47	147.1	.	.	100	0.31	2.0	16.7	27367	91
DeKalb	DKC63-60 GENSS	145.8	.	.	100	0.32	2.0	16.8	26136	97
Mycogen	2Y744	140.5	.	.	100	0.29	2.3	16.1	27178	100
Terral-REV®	25BHR26™	140.3	.	.	101	0.31	2.0	17.6	26231	89
Croplan Genetics	5570 VT2P	139.1	.	.	99	0.32	2.0	17.5	25663	100
Pioneer	P1443YHR	138.2	.	.	101	0.29	2.1	16.6	26894	98
Syngenta NK	N76A-GT/LL/CB	138.0	.	.	101	0.30	2.3	16.7	25663	97
Terral-REV®	25BHR44™	137.5	<b>178.8</b>	<b>194.7</b>	100	0.30	2.3	18.9	27273	90
Dyna-Gro	D55QC73	137.3	.	.	100	0.34	1.6	18.2	24053	94
Augusta Seed	5565 VT2PRO	136.5	.	.	100	0.32	2.0	17.0	24621	98
Dyna-Gro	D55GT73	132.3	.	.	99	0.28	1.8	16.9	27462	73
Syngenta NK	N75H-3010A	132.0	.	.	99	0.29	2.1	16.5	26704	86
T. A. Seeds	TA765-30	127.6	.	.	101	0.26	1.6	17.8	27935	84
Pioneer	P1197YHR	126.5	.	.	100	0.31	1.9	16.2	24053	91
<i>Average</i>		144.4 <sup>4</sup>	181	192.5	100	0.32	2.0	17.5	26334	94
<i>LSD at 10% Level</i>		18.8	N.S. <sup>5</sup>	N.S.	N.S.	N.S.	0.3	1.5	N.S.	8
<i>Std. Err. of Entry Mean</i>		8	5.7	5	1	0.03	0.1	0.6	1119	3

1. Yields calculated at 15.5% moisture.

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

3. Grain moisture at harvest.

4. CV = 11.1%, and df for EMS = 66.

5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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 5, 2015.

Harvested: September 10, 2015.

Seeding Rate: 28,500 seeds per acre in 30-inch rows.

Soil Type: Rome gravelly clay loam.

Soil Test: P = High, K = Very High, and pH = 6.4.

Fertilization: 125 lb N, 63 lb P<sub>2</sub>O<sub>5</sub>, and 196 lb K<sub>2</sub>O/acre as preplant; 150 lb N/acre as sidedress.

Previous Crop: Fallow.

Management: Moldboard plowed, disked, and rototilled; Atrazine and Zidua used for weed control.

Test conducted by H. Jordan, G. Ware, and J. Stubbs.

## Calhoun, Georgia: Mid-Season Corn Hybrid Performance, 2015, 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 %
		2015	2-Yr Avg bu/acre	3-Yr Avg						
Croplan Genetics	8512 DGVT2P	<b>156.0</b>	.	.	100	0.36	2.0	16.3	24716	91
Augusta Seed	7068 VT2 Pro	<b>154.8</b>	.	.	101	0.31	1.4	19.0	28409	91
Augusta Seed	7768 GT3110	<b>153.2</b>	.	.	100	0.32	1.8	20.3	27936	79
T. A. Seeds	TA774-22DPRIB	<b>151.7</b>	.	.	100	0.35	1.6	17.5	24905	97
Augusta Seed	8868 VT3PRO	<b>150.9</b>	<b>173.3</b>	.	99	0.33	1.9	17.8	26894	97
Dyna-Gro	D58VC37	<b>147.4</b>	.	.	101	0.33	2.0	17.6	25947	92
Croplan Genetics	8621 VT2P	<b>144.3</b>	<b>170.5</b>	180.4	101	0.31	2.0	17.6	26420	92
DeKalb	DKC67-14 GENVT2P	<b>144.2</b>	.	.	99	0.31	1.8	17.8	27178	83
Dyna-Gro	D57VP51	<b>143.6</b>	<b>160.3</b>	.	101	0.30	1.3	19.8	28125	97
DeKalb	DKC67-72 GENVT2P	<b>137.5</b>	.	.	101	0.32	1.8	17.6	24810	97
Mycogen	2D848	136.5	.	.	100	0.30	2.1	20.9	26989	87
DeKalb	DKC68-26 GENVT2P	134.5	.	.	99	0.30	2.0	17.6	26704	100
Augusta Seed	7767 VT3 PRO	129.3	.	.	100	0.28	2.1	16.4	25852	92
Dyna-Gro	D58QC72	128.9	.	.	99	0.28	1.9	20.3	26989	71
DeKalb	DKC66-59 GENVT2P	127.9	.	.	100	0.31	2.3	17.5	23485	98
T. A. Seeds	TA784-13VPRIB	126.2	<b>152.9</b>	.	98	0.27	1.9	17.4	27083	88
Pioneer	P1916YHR	123.0	.	.	99	0.29	2.3	17.9	24716	90
Terral-REV®	28HR20™	116.8	<b>167.3</b>	180.8	96	0.27	1.9	19.4	26894	81
Pioneer	P1637VYHR	115.8	.	.	100	0.25	1.9	17.6	26515	83
Pioneer	P1794VYHR	107.5	.	.	101	0.23	2.0	17.9	27178	65
Syngenta NK	N83D-3000GT	104.4	<b>151.0</b>	.	101	0.22	2.1	17.4	26610	71
<i>Average</i>		135.0 <sup>4</sup>	162.5	180.6	100	0.3	1.9	18.2	26398	88
<i>LSD at 10% Level</i>		18.7	N.S. <sup>5</sup>	-	N.S.	0.05	0.3	1.6	2153	10
<i>Std. Err. of Entry Mean</i>		7.9	6.7	-	1	0.02	0.1	0.7	910	4

1. Yields calculated at 15.5% moisture.

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

3. Grain moisture at harvest.

4. CV = 11.8%, and df for EMS = 60.

5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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 5, 2015.

Harvested: September 10, 2015.

Seeding Rate: 28,000 seeds per acre in 30-inch rows.

Soil Type: Rome gravelly clay loam.

Soil Test: P = High, K = Very High, and pH = 6.4.

Fertilization: 125 lb N, 63 lb P<sub>2</sub>O<sub>5</sub>, and 196 lb K<sub>2</sub>O/acre as preplant; 150 lb N/acre as sidedress.

Previous Crop: Fallow.

Management: Moldboard plowed, disked, and rototilled; Atrazine and Zidua used for weed control.

Test conducted by H. Jordan, G. Ware, and J. Stubbs.

## Calhoun, Georgia: Short-Season Corn Hybrid Performance, 2015, Irrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup>	Ears/100	Ear Grain	Grain	Grain	Plant	Erect
		2015 --- bu/acre ---	Plants no.	Weight lb	Quality <sup>2</sup> rating	Moisture <sup>3</sup> %	Population no.	Plants %
Croplan Genetics	6640 VT3P	<b>192.8</b>	100	0.37	2.0	17.1	30208	96
Dyna-Gro	D55VP77	<b>191.4</b>	101	0.35	2.3	17.5	31051	99
Terral-REV®	25BHR26™	<b>186.8</b>	100	0.35	1.9	19.3	31060	100
Syngenta NK	N70J-3111A	<b>185.1</b>	100	0.35	2.0	18.5	30492	99
Syngenta NK	N76A-GT/LL/CB	<b>183.9</b>	99	0.35	2.3	18.9	30587	99
Terral-REV®	23BHR55™	<b>181.1</b>	100	0.35	2.1	18.6	30397	99
Terral-REV®	24BHR93™	<b>179.9</b>	97	0.35	2.0	19.7	31344	99
Terral-REV®	25BHR44™	<b>177.2</b>	104	0.32	2.4	20.0	31818	99
Croplan Genetics	5570 VT2P	<b>176.8</b>	99	0.35	2.0	19.4	29924	99
Mycogen	2C786	<b>176.3</b>	101	0.32	2.0	18.1	31345	99
Syngenta NK	N75H-3010A	<b>175.9</b>	101	0.33	2.0	18.1	30776	99
Pioneer	P1443YHR	<b>175.7</b>	99	0.36	2.4	17.9	28598	99
Terral-REV®	22BHR43™	<b>175.1</b>	97	0.35	1.9	18.0	30208	99
Augusta Seed	5565 VT2PRO	<b>174.0</b>	99	0.35	1.9	18.0	28525	99
Mycogen	2C797	<b>173.4</b>	101	0.32	2.0	18.6	31439	99
DeKalb	DKC63-60 GENSS	172.2	99	0.36	2.0	18.5	27841	99
Dyna-Gro	D53VC47	170.3	101	0.32	2.0	18.5	31061	99
Pioneer	P1197YHR	168.8	100	0.33	1.9	17.6	29261	99
Pioneer	P1319YHR	167.7	98	0.34	1.9	17.2	28904	98
Mycogen	2Y744	167.1	100	0.33	2.1	17.8	29735	99
T. A. Seeds	TA765-30	160.3	100	0.32	1.6	19.2	29662	100
Dyna-Gro	D55GT73	160.3	98	0.32	1.4	19.8	30303	99
Dyna-Gro	D55QC73	140.3	96	0.32	1.4	19.5	26515	95
Average		174.4 <sup>4</sup>	99	0.34	2.0	18.5	30046	99
LSD at 10% Level		19.8	3	N.S. <sup>5</sup>	N.S.	0.9	1781	3
Std. Err. of Entry Mean		8.4	1	0.02	0.1	0.4	755	1

1. Yields calculated at 15.5% moisture. No data for the last 2 years at Calhoun.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 9.6%, and df for EMS = 66.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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 5, 2015.  
Harvested: September 11, 2015.  
Seeding Rate: 32,000 seeds per acre in 30-inch rows.  
Soil Type: Rome gravelly clay loam.  
Soil Test: P = Very High, K = Very High, and pH = 6.3.  
Fertilization: 145 lb N, 63 lb P<sub>2</sub>O<sub>5</sub>, and 196 lb K<sub>2</sub>O/acre as preplant; 200 lb N/acre as sidedress.  
Previous Crop: Soybeans.  
Management: Moldboard plowed, disked, and rototilled; Atrazine, Zidua, and one cultivation used for weed control; irrigated 14 inches.

Test conducted by H. Jordan, G. Ware, and J. Stubbs.

## Calhoun, Georgia: Mid-Season Corn Hybrid Performance, 2015, Irrigated

Company or Brand Name	Hybrid Name	Yield <sup>1</sup>			Ears/ 100 Plants	Ear Grain Wt. lb	Grain Quality <sup>4</sup> rating	Grain Moist. <sup>5</sup> %	Plant Pop. no.	Erect Plants %
		2015	2-Yr Avg <sup>2</sup> bu/acre	3-Yr Avg <sup>3</sup> bu/acre						
DeKalb	DKC68-26 GENVT2P	<b>220.8</b>	.	.	100	0.42	1.9	17.6	30102	100
Dyna-Gro	D57VP51	<b>219.6</b>	.	.	100	0.42	1.8	18.0	30113	97
DeKalb	DKC67-14 GENVT2P	<b>219.0</b>	.	.	106	0.39	1.5	18.2	30587	100
Dyna-Gro	D58VC37	<b>214.3</b>	.	.	101	0.41	2.0	17.8	30018	101
T. A. Seeds	TA774-22DPRIB	<b>213.9</b>	.	.	105	0.39	1.9	18.8	30681	100
Pioneer	P1916YHR	<b>212.2</b>	.	.	101	0.41	2.4	19.7	30019	97
Croplan Genetics	8621 VT2P	<b>210.3</b>	<b>235.3</b>	<b>236.1</b>	101	0.41	2.0	18.1	29640	100
DeKalb	DKC67-72 GENVT2P	<b>209.4</b>	.	.	104	0.39	1.8	18.9	30587	102
DeKalb	DKC66-59 GENVT2P	<b>205.9</b>	.	.	102	0.42	1.9	17.7	27935	100
Syngenta NK	N83D-3000GT	<b>200.8</b>	.	.	102	0.39	2.1	20.1	30303	97
Augusta Seed	7767 VT3 PRO	<b>200.7</b>	.	.	102	0.38	2.0	17.9	30102	100
Croplan Genetics	8512 DGVT2P	<b>200.2</b>	.	.	105	0.36	2.1	17.2	30397	100
Mycogen	2D848	193.8	.	.	102	0.37	1.9	21.3	30681	97
T. A. Seeds	TA784-13VPRIB	193.4	.	.	100	0.37	2.3	17.8	29829	100
Pioneer	P1637VYHR	190.8	.	.	100	0.37	2.0	18.2	29924	93
Dyna-Gro	D58QC72	188.3	.	.	100	0.39	1.9	20.4	28977	88
Augusta Seed	7768 GT3110	187.3	.	.	101	0.37	1.6	20.9	30113	96
Augusta Seed	8868 VT3PRO	184.5	.	.	101	0.37	2.0	18.3	29072	99
Terral-REV®	28HR20™	183.7	<b>219.6</b>	<b>193.2</b>	104	0.34	2.0	19.8	30681	100
Augusta Seed	7068 VT2 Pro	176.1	.	.	101	0.35	1.5	19.7	29829	100
Pioneer	P1794VYHR	167.3	.	.	100	0.33	1.8	18.8	29640	94
<i>Average</i>		199.6 <sup>6</sup>	227.5	214.7	102	0.38	1.9	18.8	29963	98
<i>LSD at 10% Level</i>		21.2	-	-	N.S. <sup>7</sup>	0.04	0.3	0.7	1142	4
<i>Std. Err. of Entry Mean</i>		9.0	-	-	1	0.02	0.1	0.3	483	2

1. Yields calculated at 15.5% moisture.

2. Data from 2013 and 2015 for 2-year average.

3. Data from 2012, 2013, and 2015 for 3-year average.

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

5. Grain moisture at harvest.

6. CV = 9.0%, and df for EMS = 60.

7. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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 5, 2015.

Harvested: September 11, 2015.

Seeding Rate: 31,000 seeds per acre in 30-inch rows.

Soil Type: Rome gravelly clay loam.

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

Fertilization: 145 lb N, 63 lb P<sub>2</sub>O<sub>5</sub>, and 196 lb K<sub>2</sub>O/acre as preplant; 200 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Moldboard plowed, disked, and rototilled; Atrazine, Zidua, and one cultivation used for weed control; irrigated 14 inches.

Test conducted by H. Jordan, G. Ware, and J. Stubbs.



## Blairsville, Georgia: Short-Season Corn Hybrid Performance, 2015, 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 %
		2015	2-Yr Avg bu/acre	3-Yr Avg						
Terral-REV®	25BHR26™	<b>354.9</b>	.	.	102	0.62	1.9	18.9	33154	100
T. A. Seeds	TA765-30	<b>354.0</b>	.	.	102	0.57	1.6	19.0	35453	99
Terral-REV®	23BHR55™	<b>343.6</b>	<b>310.5</b>	.	100	0.58	2.1	18.6	34243	99
Terral-REV®	25BHR44™	<b>337.6</b>	<b>292.7</b>	<b>268.9</b>	101	0.59	1.9	20.5	33880	99
Pioneer	P1197YHR	<b>335.4</b>	.	.	99	0.56	2.0	17.9	35101	99
Terral-REV®	24BHR93™	320.2	<b>291.6</b>	<b>276.7</b>	102	0.54	2.4	17.8	33638	100
Pioneer	P1319YHR	306.7	.	.	100	0.52	1.5	18.7	34364	100
Pioneer	P1443YHR	301.3	.	.	101	0.53	2.0	18.9	32791	93
Mycogen	2C797	298.2	279.9	.	102	0.50	2.0	19.1	34243	100
Terral-REV®	22BHR43™	292.8	271.5	<b>261.1</b>	98	0.51	2.1	18.2	33880	100
Syngenta NK	N70J-3111A	286.9	.	.	99	0.51	2.0	18.6	33033	100
Croplan Genetics	5570 VT2P	282.7	.	.	100	0.50	2.0	19.4	33396	98
Dyna-Gro	D53VC47	282.1	.	.	101	0.47	2.0	18.2	34606	100
Croplan Genetics	6640 VT3P	281.5	252.6	237.2	101	0.49	2.0	17.9	32791	100
DeKalb	DKC63-60 GENSS	272.3	.	.	100	0.50	1.8	19.2	31823	100
Augusta Seed	5565 VT2PRO	264.3	244.0	.	99	0.50	1.9	18.3	31339	100
Mycogen	2C786	262.2	222.5	.	101	0.45	2.1	19.5	33396	97
Syngenta NK	N75H-3010A	250.7	.	.	103	0.39	2.1	19.0	35816	97
Mycogen	2Y744	239.4	.	.	100	0.44	2.1	18.9	32186	100
<i>Average</i>		298.2 <sup>4</sup>	270.6	261.0	101	0.51	2.0	18.7	33639	99
<i>LSD at 10% Level</i>		21.1	21.9	17.1	N.S. <sup>5</sup>	0.04	0.3	1.0	1936	3
<i>Std. Err. of Entry Mean</i>		8.9	9.2	7.1	1	0.02	0.1	0.4	818	1

1. Yields calculated at 15.5% moisture.

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

3. Grain moisture at harvest.

4. CV = 6.0%, and df for EMS = 54.

5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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, 2015.

Harvested: October 8, 2015.

Seeding Rate: 36,000 seeds per acre in 30-inch rows.

Soil Type: Suches loam.

Soil Test: P = Very High, K = High, and pH = 5.9.

Fertilization: 75 lb N, 12 lb P<sub>2</sub>O<sub>5</sub>, and 170 lb K<sub>2</sub>O/acre as preplant; 184 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Moldboard plowed and disked; Atrazine, Zidua, Accent, and Callisto used for weed control; 1000 lb lime/acre.

Test conducted by H. Jordan and G. Ware.

**Blairsville, Georgia:**  
**Mid-Season Corn Hybrid Performance, 2015, 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 %
		2015	2-Yr Avg	3-Yr Avg						
DeKalb	DKC68-26 GENVT2P	<b>320.3</b>	.	.	100	0.54	2.0	19.1	34606	100
Terral-REV®	28HR20™	<b>317.2</b>	<b>317.7</b>	<b>293.1</b>	102	0.54	1.8	18.2	33517	100
Pioneer	P1637VYHR	<b>312.0</b>	.	.	103	0.52	2.0	17.6	33759	93
Croplan Genetics	8621 VT2P	<b>311.7</b>	<b>278.9</b>	<b>272.1</b>	102	0.51	2.1	17.8	34485	99
Augusta Seed	8868 VT3PRO	<b>306.3</b>	<b>268.7</b>	.	99	0.52	2.0	18.2	34485	100
DeKalb	DKC67-14 GENVT2P	<b>306.1</b>	.	.	101	0.49	11.0	18.3	35695	97
Dyna-Gro	D58VC37	<b>302.8</b>	.	.	103	0.53	2.0	18.9	32670	96
DeKalb	DKC67-72 GENVT2P	298.4	.	.	100	0.53	1.8	19.5	33275	100
Dyna-Gro	D58QC72	297.0	.	.	102	0.56	1.8	19.7	30734	100
T. A. Seeds	TA784-13VPRIB	287.7	<b>276.3</b>	.	103	0.49	2.1	17.7	33033	100
Mycogen	2D848	270.3	.	.	98	0.50	2.0	20.2	32549	100
Croplan Genetics	8512 DGVT2P	268.9	.	.	101	0.46	2.0	18.3	33759	99
T. A. Seeds	TA774-22DPRIB	262.8	.	.	100	0.46	1.8	19.0	33154	100
DeKalb	DKC66-59 GENVT2P	257.5	.	.	101	0.47	2.0	17.4	30976	100
Average		294.2 <sup>4</sup>	285.4	282.6	101	0.51	2.6	18.6	33336	99
LSD at 10% Level		21.8	N.S. <sup>5</sup>	N.S.	3	0.04	N.S.	0.6	1722	N.S.
Std. Err. of Entry Mean		9.1	14	9.2	1	0.02	2.3	0.2	722	2

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 = 39.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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, 2015.  
Harvested: October 8, 2015.  
Seeding Rate: 36,000 seeds per acre in 30-inch rows.  
Soil Type: Suches loam.  
Soil Test: P = Very High, K = High, and pH = 5.9.  
Fertilization: 75 lb N, 12 lb P<sub>2</sub>O<sub>5</sub>, and 170 lb K<sub>2</sub>O/acre as preplant; 184 lb N/acre as sidedress.  
Previous Crop: Soybeans.  
Management: Moldboard plowed and disked; Atrazine, Zidua, Accent, and Callisto used for weed control; 1000 lb lime/acre.

Test conducted by H. Jordan and G. Ware.

# Silage Test Results

## Summary of Evaluations of Corn Hybrids for Silage Blairsville, Calhoun, Griffin, and Tifton, Georgia, 2015

Company or Brand Name	Hybrid Name	Quality Factors <sup>1</sup>			Dry Matter Yield				
		Milk Production <sup>2</sup>		Grain Portion %	Statewide Average	Blairsville	Calhoun	Griffin	Tifton
lbs/ton DM	lbs/acre	tons/acre	tons/acre						
<b>Mid-Season</b>									
AgraTech	1023VIP	<b>3763</b>	45529	41	.	.	.	.	12.1
AgraTech	903VIP	3533	42910	53	.	12.7	.	.	12.1
AgraTech	999VIP	<b>3701</b>	45482	47	.	10.9	.	.	12.3
Augusta Seed	6968	3637	40710	49	.	11.1	.	.	12.2
Augusta Seed	6969 HXRRL	3488	46735	51	.	11.9	.	.	13.4
Augusta Seed	7768 GT3110	3614	<b>48031</b>	51	.	14.0	.	.	13.3
Augusta Seed	8868 VT3PRO	3587	45720	49	.	11.5	.	.	12.8
Croplan Genetics	7927 VT3P	3515	<b>48626</b>	50	<b>13.3</b>	12.2	.	13.9	13.8
Croplan Genetics	8621 VT2P	3453	44579	53	<b>13.8</b>	15.8	.	12.8	12.9
Croplan Genetics	8750 RH	3515	<b>51114</b>	47	<b>13.2</b>	13.4	.	11.8	14.5
DeKalb	DKC66-59 GENVT2P	<b>3788</b>	42786	52	10.7	10.0	.	10.7	11.3
DeKalb	DKC67-14 GENVT2P	3443	41641	53	12.7	14.0	.	11.9	12.1
DeKalb	DKC67-72 GENVT2P	3590	44705	56	12.2	12.1	.	12.1	12.5
DeKalb	DKC70-01 RR2	<b>3820</b>	43854	49	12.8	13.6	.	13.3	11.5
Dyna-Gro	D58QC72	<b>3832</b>	43273	51	.	.	.	12.3	11.3
Dyna-Gro	D59HR50	3522	43491	50	.	.	.	12.3	12.4
MC	MCT 6733	3645	44459	53	.	.	.	.	12.3
MC	MCT-6753	3544	44664	51	.	.	.	.	12.6
Mycogen	T14785VH	3536	41373	51	.	.	.	13.1	11.7
Mycogen	TMF2L825	<b>3768</b>	45749	41	12.4	12.2	.	12.8	12.2
Mycogen	TMF2L874	<b>3803</b>	45238	44	.	.	.	12.0	11.9
Pioneer	P1449XR	<b>3774</b>	44720	47	10.4	8.2	.	11.0	11.9
Pioneer	P1794VYHR	3534	<b>48944</b>	49	<b>13.4</b>	13.3	.	13.0	13.8
Pioneer	P1916YHR	3567	43158	51	12.6	12.9	.	12.8	12.1
Syngenta NK	N78S 3111	3634	45705	54	.	.	.	.	12.6
Syngenta NK	N83D-3000GT	3558	44644	54	.	.	.	.	12.6
T. A. Seeds	TA120-02	3503	<b>47608</b>	50	.	.	.	12.2	13.6
T. A. Seeds	TA784-13VPRIB	3506	46840	50	12.7	12.5	.	12.2	13.4
T. A. Seeds	TA790-31	3661	45406	49	12.4	11.9	.	12.8	12.4
T. A. Seeds	TA805-22DP	3400	39621	54	.	.	.	12.1	12.8
<i>Average</i>		3608 <sup>3</sup>	44910 <sup>4</sup>	50	12.5 <sup>5</sup>	12.3	.	12.4	12.5
<i>LSD at 10% Level</i>		167	3979	3.0	0.7	1.4	.	1.5	1.2
<i>Std. Err. of Entry Mean</i>		70	1658	0.9	0.3	0.6	.	0.6	0.5

## Summary of Evaluations of Corn Hybrids for Silage Blairsville, Calhoun, Griffin, and Tifton, Georgia, 2015 (Continued)

Company or Brand Name	Hybrid Name	Quality Factors <sup>1</sup>			Dry Matter Yield				
		Milk Production <sup>2</sup>		Grain Portion %	Statewide Average	Blairsville	Calhoun	Griffin	Tifton
		lbs/ton DM	lbs/acre						
<b>Short-Season</b>									
AgraTech	1777VIP	<b>3646</b>	<b>49413</b>	50	.	11.8	.	.	13.6
Dyna-Gro	D55GT73	<b>3880</b>	<b>46928</b>	50	<b>12.7</b>	13.4	.	12.6	12.1
Dyna-Gro	D55QC73	<b>3718</b>	<b>47205</b>	51	.	.	.	12.3	12.7
MC	EXP 651P	<b>3738</b>	<b>43469</b>	49	.	.	.	.	11.7
MC	Exp-633E	<b>3799</b>	<b>48973</b>	49	.	.	.	.	12.9
MC	MCT-6583	<b>3472</b>	<b>42193</b>	51	.	.	.	.	12.2
Mycogen	TMF2H747	<b>3432</b>	<b>42422</b>	50	<b>11.5</b>	9.3	.	12.9	12.4
Mycogen	TMF2R737	.	.	41	.	11.7	.	.	.
Pioneer	P1319HR	<b>3443</b>	<b>44763</b>	53	<b>12.9</b>	12.8	.	13.1	13.0
T. A. Seeds	TA765-30	<b>3622</b>	<b>46188</b>	53	<b>12.8</b>	12.2	.	13.6	12.7
T. A. Seeds	TA780-22DPRIB	<b>3584</b>	<b>43033</b>	52	<b>10.8</b>	9.1	.	11.2	12.1
<i>Average</i>		3633 <sup>6</sup>	45459 <sup>7</sup>	51	12.1 <sup>8</sup>	11.5	.	12.4	12.5
<i>LSD at 10% Level</i>		N.S. <sup>9</sup>	N.S.	3.0	N.S.	1.4	.	1.5	1.2
<i>Std. Err. of Entry Mean</i>		92	1504	0.9	0.3	0.6	.	0.6	0.5

1. Quality factors taken from the replicated silage trial at Tifton.

2. This variable is calculated using University of Wisconsin Corn Silage Evaluation System - Milk 2000 and reported at lbs milk/ton of dry matter (DM) and lbs milk/acre.

3. CV = 2.7%, and df for EMS = 29.

4. CV = 5.2%, and df for EMS = 29.

5. CV = 9.9%, and df for EMS = 144.

6. CV = 5.1%, and df for EMS = 9.

7. CV = 6.6%, and df for EMS = 9.

8. CV = 8.5%, and df for EMS = 48.

9. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

**Bolding** indicates entries performing equally to highest performing entry within a column based on Fisher's protected LSD (P = 0.10).

## Summary of Quality Factors of Corn Hybrids for Silage Tifton, Georgia, 2015

Company or Brand Name	Hybrid Name	Quality Factors <sup>1</sup>								Dry Matter Yield	
		Milk Production <sup>2</sup>		Protein %	NDF %	ADF %	TDN %	NDF48 <sup>3</sup>	Ash %	Grain	
		lbs/ton DM	lbs/acre							Portion %	Tifton tons/acre
<b>Mid-Season</b>											
AgraTech	1023VIP	<b>3763</b>	45529	9.1	35.8	18.1	74.9	72.7	2.8	41	12.1
AgraTech	903VIP	3533	42910	8.0	32.5	17.8	75.1	76.7	3.0	53	12.1
AgraTech	999VIP	<b>3701</b>	45482	8.6	34.4	16.3	76.1	80.0	2.4	47	12.3
Augusta Seed	6968	3637	40710	8.8	32.9	18.0	75.0	74.3	3.3	49	12.2
Augusta Seed	6969 HXRLL	3488	46735	8.2	32.6	18.1	74.9	77.1	3.2	51	<b>13.4</b>
Augusta Seed	7768 GT3110	3614	<b>48031</b>	8.6	31.5	16.2	76.2	77.8	2.8	51	<b>13.3</b>
Augusta Seed	8868 VT3PRO	3587	45720	8.6	32.5	16.1	76.3	76.8	2.9	49	12.8
Croplan Genetics	7927 VT3P	3515	<b>48626</b>	8.6	35.2	17.7	75.2	77.9	2.8	50	<b>13.8</b>
Croplan Genetics	8621 VT2P	3453	44579	8.8	31.3	16.1	76.2	78.2	3.2	53	12.9
Croplan Genetics	8750 RH	3515	<b>51114</b>	8.6	34.1	18.5	74.7	80.6	3.1	47	<b>14.5</b>
DeKalb	DKC66-59 GENVT2P	<b>3788</b>	42786	8.4	31.5	16.0	76.3	79.3	2.7	52	11.3
DeKalb	DKC67-14 GENVT2P	3443	41641	8.1	29.0	14.9	77.0	77.5	2.7	53	12.1
DeKalb	DKC67-72 GENVT2P	3590	44705	8.1	28.4	14.9	77.0	83.0	2.9	56	12.5
DeKalb	DKC70-01 RR2	<b>3820</b>	43854	9.0	30.6	15.9	76.4	81.9	2.8	49	11.5
Dyna-Gro	D58QC72	<b>3832</b>	43273	8.8	32.8	17.5	75.3	77.3	3.3	51	11.3
Dyna-Gro	D59HR50	3522	43491	8.4	30.7	16.5	76.0	79.4	3.1	50	12.4
MC	MCT 6733	3645	44459	8.2	30.4	16.4	76.0	77.9	2.9	53	12.3
MC	MCT-6753	3544	44664	8.8	31.4	15.9	76.3	77.6	3.1	51	12.6
Mycogen	T14785VH	3536	41373	8.4	31.4	16.5	75.9	82.3	2.9	51	11.7
Mycogen	TMF2L825	<b>3768</b>	45749	7.8	35.6	19.7	73.9	76.6	2.8	41	12.2
Mycogen	TMF2L874	<b>3803</b>	45238	8.5	34.1	18.9	74.4	78.1	3.1	44	11.9
Pioneer	P1449XR	<b>3774</b>	44720	9.1	31.1	17.3	75.5	85.7	3.3	47	11.9
Pioneer	P1794VYHR	3534	<b>48944</b>	8.4	35.1	19.1	74.2	77.8	2.9	49	<b>13.8</b>
Pioneer	P1916YHR	3567	43158	8.6	33.4	17.5	75.3	77.0	2.7	51	12.1
Syngenta NK	N78S 3111	3634	45705	8.1	30.8	16.7	75.8	83.0	3.0	54	12.6
Syngenta NK	N83D-3000GT	3558	44644	8.2	29.6	15.5	76.6	83.0	2.8	54	12.6
T. A. Seeds	TA120-02	3503	<b>47608</b>	8.8	31.8	16.3	76.1	75.8	2.9	50	13.6
T. A. Seeds	TA784-13VPRIB	3506	46840	8.1	34.9	19.7	73.8	77.3	3.4	50	13.4
T. A. Seeds	TA790-31	3661	45406	8.8	31.3	17.1	75.6	79.0	2.9	49	12.4
T. A. Seeds	TA805-22DP	3400	39621	8.6	34.9	18.6	74.6	75.0	3.3	54	12.8
<i>Average</i>		3608 <sup>4</sup>	44910 <sup>5</sup>	8.5	32.4	17.1	75.6	78.6	3.0	50	12.5
<i>LSD at 10% Level</i>		167	3979	0.6	N.S. <sup>6</sup>	N.S.	N.S.	5.4	N.S.	3	1.2
<i>Std. Err. of Entry Mean</i>		70	1658	0.2	2	1.4	0.9	2.3	0.3	0.9	0.5

## Summary of Quality Factors of Corn Hybrids for Silage Tifton, Georgia, 2015 (Continued)

Company or Brand Name	Hybrid Name	Quality Factors <sup>1</sup>								Dry Matter Yield	
		Milk Production <sup>2</sup>		Protein %	NDF %	ADF %	TDN %	NDF48 <sup>3</sup>	Ash %	Grain	
		DM lbs/ton	lbs/acre							Portion %	Tifton tons/acre
<b>Short-Season</b>											
AgraTech	1777VIP	<b>3646</b>	<b>49413</b>	8.4	30.6	16.3	76.1	81.8	2.9	50	<b>13.6</b>
Dyna-Gro	D55GT73	<b>3880</b>	<b>46928</b>	8.7	33.8	17.4	75.4	78.9	2.9	50	12.1
Dyna-Gro	D55QC73	<b>3718</b>	<b>47205</b>	8.8	31.7	17.4	75.4	77.2	3.4	51	12.7
MC	EXP 651P	<b>3738</b>	<b>43469</b>	8.5	31.1	17.3	75.4	77.3	3.2	49	11.7
MC	Exp-633E	<b>3799</b>	<b>48973</b>	8.2	30.7	16.7	75.9	81.2	3.0	49	12.8
MC	MCT-6583	<b>3472</b>	<b>42193</b>	8.7	33.5	18.4	74.8	79.7	3.3	51	12.2
Mycogen	TMF2H747	<b>3432</b>	<b>42422</b>	8.2	31.6	17.3	75.4	78.8	3.2	50	12.4
Pioneer	P1319HR	<b>3443</b>	<b>44763</b>	8.6	29.6	14.4	77.3	81.2	2.6	53	13.0
T. A. Seeds	TA765-30	<b>3622</b>	<b>46188</b>	8.3	34.0	17.6	75.2	78.9	2.7	53	12.7
T. A. Seeds	TA780-22DPRIB	<b>3584</b>	<b>43033</b>	8.2	30.3	17.9	75.1	78.6	3.5	52	12.1
<i>Average</i>		3633 <sup>7</sup>	45459 <sup>8</sup>	8.4	31.7	17.1	75.6	79.4	3.1	51	12.5
<i>LSD at 10% Level</i>		N.S.	N.S.	N.S.	2.6	N.S.	N.S.	N.S.	0.4	3.0	1.2
<i>Std. Err. of Entry Mean</i>		92	1504	0.2	0.7	0.5	0.3	1.2	0.1	0.9	0.5

- Quality factors taken from the replicated silage trial at Tifton.
- This variable is calculated using University of Wisconsin Corn Silage Evaluation System - Milk 2000 and reported at lbs milk/ton of dry matter (DM) and lbs milk/acre.
- NDF48: Percent dry matter disappearance/48 hours.
- CV = 2.7%, and df for EMS = 29.
- CV = 5.2%, and df for EMS = 29.
- The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
- CV = 5.1%, and df for EMS = 9.
- CV = 6.6%, and df for EMS = 9.

**Bolding** indicates entries performing equally to highest performing entry within a column based on Fisher's protected LSD (P = 0.10).

## Tifton, Georgia: Evaluation of Corn Hybrids for Silage, 2015, Irrigated

Company or Brand Name	Hybrid Name	Forage Yield		Dry Matter %	Grain Portion %	Plant Population no.	2-Yr Avg
		Dry tons/acre	Green tons/acre				Dry Forage Yield tons/acre
<b>Mid-Season</b>							
Croplan Genetics	8750 RH	<b>14.5</b>	<b>33.3</b>	43.9	47	33759	<b>13.1</b>
Pioneer	P1794VYHR	<b>13.9</b>	<b>31.7</b>	43.6	49	33106	<b>13.0</b>
Croplan Genetics	7927 VT3P	<b>13.8</b>	<b>31.9</b>	43.4	50	34195	<b>12.3</b>
T. A. Seeds	TA120-02	<b>13.6</b>	<b>31.2</b>	43.5	50	32452	<b>12.5</b>
Augusta Seed	6969 HXRRL	<b>13.4</b>	29.3	46.1	51	33759	.
T. A. Seeds	TA784-13VPRIB	<b>13.4</b>	30.8	43.5	50	32670	<b>11.9</b>
Augusta Seed	7768 GT3110	<b>13.3</b>	31.9	42.0	51	31581	.
Croplan Genetics	8621 VT2P	12.9	28.4	45.4	53	34195	<b>11.9</b>
T. A. Seeds	TA805-22DP	12.8	28.8	44.4	54	33106	<b>11.9</b>
Augusta Seed	8868 VT3PRO	12.8	30.1	42.5	49	30928	.
MC	MCT-6753	12.6	29.1	43.4	51	32234	<b>10.9</b>
Syngenta NK	N78S 3111	12.6	28.2	44.6	54	32017	.
Syngenta NK	N83D-3000GT	12.6	28.9	43.5	54	33106	<b>11.2</b>
DeKalb	DKC67-72 GENVT2P	12.5	28.4	43.9	56	34413	.
Dyna-Gro	D59HR50	12.4	28.3	43.9	50	34630	<b>12.2</b>
T. A. Seeds	TA790-31	12.4	30.1	41.1	49	32670	<b>11.5</b>
AgraTech	999VIP	12.3	30.3	40.5	47	30492	<b>12.3</b>
MC	MCT 6733	12.3	29.1	42.1	53	33324	.
AgraTech	903VIP	12.2	28.8	42.2	53	32452	.
Augusta Seed	6968	12.2	30.5	39.9	49	32234	.
Mycogen	TMF2L825	12.2	31.5	39.0	41	34630	<b>11.6</b>
AgraTech	1023VIP	12.1	32.8	37.1	41	29621	<b>12.4</b>
Pioneer	P1916YHR	12.1	28.3	42.7	51	34195	.
DeKalb	DKC67-14 GENVT2P	12.1	27.2	44.6	53	32452	.
Mycogen	TMF2L874	11.9	31.5	37.7	44	33541	.
Pioneer	P1449XR	11.9	29.1	40.7	47	33324	.
Mycogen	T14785VH	11.7	26.1	44.9	51	32017	.
DeKalb	DKC70-01 RR2	11.5	29.9	38.5	49	31581	.
Dyna-Gro	D58QC72	11.3	30.0	37.7	51	30056	.
DeKalb	DKC66-59 GENVT2P	11.3	28.5	39.7	52	32017	.
<i>Average</i>		<i>12.5</i>	<i>29.8</i>	<i>42.2</i>	<i>50</i>	<i>32692</i>	<i>12.0</i>

**Tifton, Georgia:**  
**Evaluation of Corn Hybrids for Silage, 2015, Irrigated**  
**(Continued)**

Company or Brand Name	Hybrid Name	Forage Yield		Dry Matter	Grain Portion	Plant Population	2-Yr Avg Dry Forage
		Dry	Green				
		tons/acre		%	%	no.	tons/acre
<b>Short-Season</b>							
AgraTech	1777VIP	<b>13.6</b>	<b>32.1</b>	42.3	50	32234	.
Pioneer	P1319HR	13.0	27.6	47.2	53	32670	<b>12.1</b>
MC	Exp-633E	12.9	32.5	39.6	49	32235	.
T. A. Seeds	TA765-30	12.7	29.8	43.0	53	34848	.
Dyna-Gro	D55QC73	12.7	32.2	39.5	51	31145	<b>12.1</b>
Mycogen	TMF2H747	12.4	24.7	50.3	50	32670	<b>12.0</b>
Dyna-Gro	D55GT73	12.2	32.4	37.4	50	31363	<b>11.9</b>
MC	MCT-6583	12.2	27.0	45.2	51	32452	<b>11.2</b>
T. A. Seeds	TA780-22DPRIB	12.1	27.5	43.8	52	30928	<b>11.3</b>
MC	EXP 651P	11.7	29.8	39.4	49	34630	.
<i>Average</i>		12.5	29.6	42.8	51	32518	11.6
<i>Overall test statistics:</i>							
<i>Average</i>		12.5 <sup>1</sup>	29.7 <sup>2</sup>	42.3	50	32648	12.0
<i>LSD at 10% Level</i>		1.2	2.3	3.4	3	2324	N.S. <sup>3</sup>
<i>Std. Err. of Entry Mean</i>		0.5	1.0	1.4	0.9	991	0.4

1. CV = 8.2%, and df for EMS = 117.

2. CV = 6.6%, and df for EMS = 117.

3. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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: March 31, 2015.

Harvested: July 21, 2015.

Seeding Rate: 35,000 seeds per acre in 30-inch rows.

Soil Type: Tifton loamy sand.

Soil Test: P = Very High, K = Medium, and pH = 6.6.

Fertilization: 148 lb N, 0 lb P<sub>2</sub>O<sub>5</sub>, and 360 lb K<sub>2</sub>O/acre as preplant; 240 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Disked, subsoiled/bedded, and rototilled; Atrazine, Zidua, Prowl, Accent, and Basagran used for weed control; Telone II used for nematode control; Headline used for fungal control; irrigated 14 inches.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.



## Griffin, Georgia: Evaluation of Corn Hybrids for Silage, 2015, Irrigated

Company or Brand Name	Hybrid Name	Forage Yield		Dry Matter %	Grain Portion %	Plant Population no.	2-Yr Avg Dry Forage Yield tons/acre
		Dry tons/acre	Green tons/acre				
<b>Mid-Season</b>							
Croplan Genetics	7927 VT3P	<b>13.9</b>	<b>30.0</b>	46.6	45	35090	.
DeKalb	DKC70-01 RR2	<b>13.3</b>	<b>30.3</b>	43.9	47	34364	.
Mycogen	T14785VH	<b>13.1</b>	26.1	50.3	45	32670	.
Pioneer	P1794VYHR	<b>13.0</b>	<b>27.4</b>	47.5	44	32912	.
T. A. Seeds	TA790-31	<b>12.9</b>	<b>28.9</b>	44.5	48	34551	<b>10.9</b>
Croplan Genetics	8621 VT2P	<b>12.8</b>	25.8	49.7	47	34122	.
Pioneer	P1916YHR	<b>12.8</b>	<b>27.9</b>	45.9	49	35197	.
Mycogen	TMF2L825	<b>12.8</b>	27.0	47.4	34	34122	<b>10.9</b>
Dyna-Gro	D59HR50	12.3	26.7	46.2	50	34122	<b>10.9</b>
Dyna-Gro	D58QC72	12.3	26.4	46.8	48	33396	.
T. A. Seeds	TA120-02	12.2	25.8	47.0	47	30492	.
T. A. Seeds	TA784-13VPRIB	12.2	27.0	45.0	48	30734	<b>9.9</b>
T. A. Seeds	TA805-22DP	12.2	24.7	49.2	52	30734	.
DeKalb	DKC67-72 GENVT2P	12.1	24.3	50.0	54	33261	.
Mycogen	TMF2L874	12.0	<b>28.1</b>	42.6	37	35090	.
DeKalb	DKC67-14 GENVT2P	11.9	25.7	46.5	51	34122	.
Croplan Genetics	8750 RH	11.8	25.3	46.5	42	33880	.
Pioneer	P1449XR	11.0	25.6	43.3	40	36277	.
DeKalb	DKC66-59 GENVT2P	10.7	23.6	45.5	46	31760	.
<i>Average</i>		<i>12.4</i>	<i>26.7</i>	<i>46.6</i>	<i>46</i>	<i>33521</i>	<i>10.7</i>
<b>Short-Season</b>							
T. A. Seeds	TA765-30	<b>13.6</b>	<b>28.4</b>	48.1	49	35090	.
Pioneer	P1319HR	<b>13.1</b>	25.1	52.1	51	36542	.
Mycogen	TMF2H747	<b>12.9</b>	<b>27.6</b>	46.9	48	33154	.
Dyna-Gro	D55GT73	<b>12.6</b>	<b>29.7</b>	42.2	45	35090	.
Dyna-Gro	D55QC73	12.3	26.8	45.8	48	31243	.
T. A. Seeds	TA780-22DPRIB	11.2	22.3	50.4	50	34551	.
<i>Average</i>		<i>12.6</i>	<i>26.7</i>	<i>47.6</i>	<i>45</i>	<i>34278</i>	.
<i>Overall test statistics:</i>							
<i>Average</i>		<i>12.4</i> <sup>1</sup>	<i>26.6</i> <sup>2</sup>	<i>46.8</i>	<i>47</i>	<i>33703</i>	<i>10.6</i>
<i>LSD at 10% Level</i>		<i>1.5</i>	<i>3.0</i>	<i>3.9</i>	<i>5</i>	<i>2732</i>	<i>N.S.</i> <sup>3</sup>
<i>Std. Err. of Entry Mean</i>		<i>0.6</i>	<i>1.2</i>	<i>1.7</i>	<i>2</i>	<i>947</i>	<i>0.4</i>

## Griffin, Georgia: Evaluation of Corn Hybrids for Silage, 2015, Irrigated (Continued)

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1. CV = 10.1%, and df for EMS = 72.
2. CV = 9.4%, and df for EMS = 72.
3. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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 8, 2015.  
Harvested: August 21, 2015.  
Seeding Rate: 36,000 seeds per acre in 30-inch rows.  
Soil Type: Cecil clay loam.  
Soil Test: P = Medium, K = High, and pH = 6.3.  
Fertilization: 75 lb N, 150 lb P<sub>2</sub>O<sub>5</sub>, and 225 lb K<sub>2</sub>O/acre as preplant; 200 lb N/acre as sidedress.  
Previous Crop: Soybeans.  
Management: Subsoiled, disked, and rototilled; Atrazine and Zidua used for weed control; irrigated 12 inches.

Test conducted by H. Jordan and G. Ware.

**Calhoun, Georgia:**  
**Evaluation of Corn Hybrids for Silage, 2015, Irrigated**

Company or Brand Name	Hybrid Name	Forage Yield	Grain	Plant	2-Yr Avg
		35% Moisture tons/acre	Portion %	Population no.	Yield 35% Moisture tons/acre
<b>Mid-Season</b>					
DeKalb	DKC67-14 GENVT2P	15.8	61	34254	.
Croplan Genetics	8621 VT2P	15.1	62	34650	14.3
Augusta Seed	8868 VT3PRO	15.1	56	33264	.
Augusta Seed	6968	14.6	55	33066	.
Pioneer	P1794VYHR	14.5	61	33264	.
DeKalb	DKC70-01 RR2	14.2	59	32274	.
MC	MCT 6733	14.2	59	34254	.
DeKalb	DKC67-72 GENVT2P	14.1	58	33858	.
Dyna-Gro	D58QC72	14.0	55	34452	.
Augusta Seed	6969 HXRLL	13.6	51	34650	.
T. A. Seeds	TA784-13VPRIB	13.6	62	34056	13.1
Mycogen	TMF2L825	13.5	50	34452	12.9
Croplan Genetics	8750 RH	13.4	55	34056	14.0
Croplan Genetics	7927 VT3P	13.3	62	33462	12.8
T. A. Seeds	TA790-31	12.9	62	34452	.
DeKalb	DKC66-59 GENVT2P	12.3	56	33066	.
Pioneer	P1916YHR	12.0	60	32670	.
Augusta Seed	7768 GT3110	11.7	59	32868	.
MC	MCT-6753	11.0	57	30096	.
Pioneer	P1449XR	10.1	47	33660	.
<i>Average</i>		13.4	57	33541	13.4
<b>Short-Season</b>					
Mycogen	TMF2H747	14.0	58	33858	.
MC	EXP 651P	13.9	59	34056	.
T. A. Seeds	TA765-30	13.3	60	34056	.
Pioneer	P1319HR	12.2	64	34254	.
MC	MCT-6583	12.0	61	33858	.
T. A. Seeds	TA780-22DPRIB	11.5	58	32274	.
Dyna-Gro	D55GT73	11.5	59	33462	.
Mycogen	TMF2R737	10.8	54	34650	.
MC	Exp-633E	10.4	57	33462	.
<i>Average</i>		12.2	59	33770	.
<i>Overall test statistics:</i>					
<i>Average</i>		13.1 <sup>1</sup>	58	33612	13.4
<i>LSD at 10% Level</i>		2.2	5	N.S. <sup>2</sup>	N.S.
<i>Std. Err. of Entry Mean</i>		0.9	2	952	0.6

## Calhoun, Georgia: Evaluation of Corn Hybrids for Silage, 2015, Irrigated (Continued)

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1. CV = 14.1%, and df for EMS = 84.
2. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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 5, 2015.  
Harvested: September 2, 2015.  
Seeding Rate: 35,000 seeds per acre in 30-inch rows.  
Soil Type: Rome gravelly clay loam.  
Soil Test: P = High, K = Very High, and pH = 6.0.  
Fertilization: 145 lb N, 63 lb P<sub>2</sub>O<sub>5</sub>, and 196 lb K<sub>2</sub>O/acre as preplant; 200 lb N/acre as sidedress.  
Previous Crop: Soybeans.  
Management: Moldboard plowed, disked, and rototilled; Atrazine and Zidua used for weed control; irrigated 14 inches.

Test conducted by H. Jordan, G. Ware, and J. Stubbs.

## Blairsville, Georgia: Evaluation of Corn Hybrids for Silage, 2015, Nonirrigated

Company or Brand Name	Hybrid Name	Forage Yield		Dry Matter	Grain Portion	Plant Population	2-Yr Avg Dry Forage Yield
		Dry	Green				
		tons/acre		%	%	no.	tons/acre
<b>Mid-Season</b>							
Croplan Genetics	8621 VT2P	<b>15.8</b>	31.8	49.8	55	33258	<b>13.9</b>
DeKalb	DKC67-14 GENVT2P	14.1	26.3	54.1	58	34018	.
Augusta Seed	7768 GT3110	14.0	<b>33.1</b>	42.5	53	34848	.
DeKalb	DKC70-01 RR2	13.7	<b>35.1</b>	38.9	51	33258	.
Croplan Genetics	8750 RH	13.4	28.5	47.0	55	33515	<b>13.3</b>
Pioneer	P1794VYHR	13.3	30.3	43.8	54	32704	.
Pioneer	P1916YHR	12.9	29.3	44.1	57	33880	.
AgraTech	903VIP	12.7	29.0	44.0	55	31944	.
T. A. Seeds	TA784-13VPRIB	12.5	30.0	41.5	54	33396	<b>12.8</b>
Mycogen	TMF2L825	12.2	30.8	39.8	48	32912	<b>11.4</b>
Croplan Genetics	7927 VT3P	12.2	29.3	41.5	54	35090	<b>12.4</b>
DeKalb	DKC67-72 GENVT2P	12.2	27.8	43.8	58	34963	.
T. A. Seeds	TA790-31	11.9	29.8	39.8	54	34122	.
Augusta Seed	6969 HXRLL	11.9	27.4	43.6	52	31702	.
Augusta Seed	8868 VT3PRO	11.5	29.0	39.9	53	31218	.
Augusta Seed	6968	11.1	25.5	43.9	51	31944	.
AgraTech	999VIP	10.9	31.7	34.4	48	32912	<b>12.0</b>
DeKalb	DKC66-59 GENVT2P	10.0	24.0	41.6	58	29800	.
Pioneer	P1449XR	8.2	23.0	35.5	52	33154	.
<i>Average</i>		<i>12.3</i>	<i>29.0</i>	<i>42.6</i>	<i>54</i>	<i>33086</i>	<i>12.6</i>
<b>Short-Season</b>							
Dyna-Gro	D55GT73	13.4	29.2	46.0	54	34007	.
Pioneer	P1319HR	12.8	25.6	50.3	54	32383	.
T. A. Seeds	TA765-30	12.2	27.6	44.5	57	31569	.
AgraTech	1777VIP	11.8	26.2	45.4	57	33638	.
Mycogen	TMF2R737	11.7	25.6	45.8	41	34337	.
Mycogen	TMF2H747	9.3	26.7	34.8	52	34660	.
T. A. Seeds	TA780-22DPRIB	9.1	21.0	43.2	59	32670	.
<i>Average</i>		<i>11.5</i>	<i>26.0</i>	<i>44.3</i>	<i>53</i>	<i>33323</i>	.
<i>Overall test statistics:</i>							
<i>Average</i>		<i>12.1</i> <sup>1</sup>	<i>28.2</i> <sup>2</sup>	<i>43.1</i>	<i>54</i>	<i>33150</i>	<i>12.6</i>
<i>LSD at 10% Level</i>		<i>1.4</i>	<i>3.1</i>	<i>3.6</i>	<i>3</i>	<i>1973</i>	<i>N.S.</i> <sup>3</sup>
<i>Std. Err. of Entry Mean</i>		<i>0.6</i>	<i>1.3</i>	<i>1.5</i>	<i>2</i>	<i>838</i>	<i>0.5</i>

## Blairsville, Georgia: Evaluation of Corn Hybrids for Silage, 2015, Irrigated (Continued)

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1. CV = 9.6%, and df for EMS = 75.
2. CV = 9.4%, and df for EMS = 75.
3. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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, 2015.  
Harvested: September 15, 2015.  
Seeding Rate: 36,000 seeds per acre in 30-inch rows.  
Soil Type: Suches loam.  
Soil Test: P = Very High, K = High, and pH = 5.9.  
Fertilization: 75 lb N, 12 lb P<sub>2</sub>O<sub>5</sub>, and 170 lb K<sub>2</sub>O/acre as preplant; 184 lb N/acre as sidedress.  
Previous Crop: Soybeans.  
Management: Moldboard plowed and disked; Atrazine and Zidua used for weed control; 1000 lb lime/acre.

Test conducted by H. Jordan and G. Ware.

# Insect Screening Results

## Multiple Insect Resistance in 53 Commercial Corn Hybrids, 2015

Xinzhi Ni, Michael D. Toews, and G. David Buntin

Commercial corn hybrids were screened for ear- and kernel-feeding insect resistance under field conditions at Tifton, GA. Fifteen hybrids were rated Very Good (VG), the highest rating for multiple insect resistance in 2015 (see following table). Sixteen were Good (G), nine were Fair (F), and 13 were Poor (P). Two hybrids included a blend of 80% transgenic and 20% non-transgenic seeds, known as refuge in a bag (RIB). Six hybrids were developed utilizing YHR traits (also known as Optimum® Intrasect™), nine hybrids have Genuity VT Double PRO (VT2P) traits, and three hybrids have VT Triple PRO (VT3P) traits. The Optimum® Intrasect™ insect protection traits (or YHR) include a combination of two insect protection traits – Herculex® I and YieldGard® Corn Borer, while the VT2P or VT3P traits contain a stack of two or three Bt genes. VT2P hybrids targeted foliar- and ear-feeding lepidopteran pests, while VT3P hybrids have an additional Bt gene for rootworms.

Overall insect damage was moderate in the 2015 trial. The six types of ear- and/or kernel-feeding insects in the order of damage severity were: corn earworm and fall armyworm, stink bugs, sap beetles, pink scavenger caterpillar, and maize weevil. Corn earworm and fall armyworm damage was combined because the damage is difficult to separate. Feeding penetration by these caterpillar pests of natural infestations in corn ears was between 0.1 and 2.1 cm, which was less than the damage observed in 2014 (0.2-4.3 cm). Multiple species of sap beetles were recorded in 2015. Stink bug damage in 2015 was relatively low, ranging from 0.1 to 1.4% of the kernels per ear. Percentage of stink bug-discolored kernels in previous years ranged between 0.8 and 5.6%. Sap beetle damage was 0.3-2%, which is greater than 0.4-1.1% in 2014, and pink scavenger caterpillar damage was about 0-0.5% in 2015, which was less than 2014 (0-1% of the kernels). Maize weevil infestation at harvest with 18% kernel moisture was also seldomly observed in 2015. The high level of sap beetle damage, as well as relatively low level of the stink bug damage, may have been influenced by both planting time and weather conditions in 2015. In addition, flowering time of all entries were similar (between 53 and 55 days after planting), irrespective of categorization of Short-Season or Mid-Season as shown in following table. The phenomenon observed in 2015 could be the result of relatively late planting date (April 23, 2015) in combination with high temperature during the first 51 day after planting. In 2015, 730 degree days were recorded from April 23 to June 13 (using 60°F as base temperature), while in 2014, 595 degree days were recorded from April 17 to June 7. Growing degree days were calculated on the UGA's Georgiaweather.net site from subtracting the base temperature (60°F) from the average temperature in a 24 hour period. This calculation can then be utilized in management decisions for the crop and crop maturity.

Because husk tightness and husk extension are considered important traits for ear- and kernel-feeding insect resistance, the husk features of the sampled ears were examined. Husk tightness was assigned using a scale of 1 to 5, in which 1 = very loose and 5 = very tight. Average ratings for husk tightness were between 3.4 and 4, which were all considered medium for husk tightness. Husk extension ranged between 0.25

and 1.5 cm, and was negatively correlated to worm penetration and percentage of sap beetle-damaged kernels in corn ears, but not to husk tightness. Multiple insect resistance was categorized in four groups according to the insect damage ratings on corn cobs and kernels; they are very good (VG), good (G), fair (F), and poor (P). VG represents the least amount of insect damage, while P represents the greatest amount of insect damage. The rankings of the 53 hybrids for multiple insect resistance in the table was based on the results of the principal component analysis using corn husk extension and tightness along with damage caused by corn earworm and fall armyworm, stink bugs, sap beetles, pink scavenger caterpillar, and maize weevil. The lettered ratings in the table refer only to relative resistance to insects and are not indicative of yield. Please refer to other reports for yield data.

Hybrids resistant to multiple insects are highly recommended for planting and are one of the most economical insect management strategies, especially in late plantings. Increased insect damage can lead to yield loss, as well as quality loss related to aflatoxin contamination. Consult with your local county agent and/or Extension entomologist for additional control recommendations for a specific pest in your area.

The trial was planted on the University of Georgia Gibbs Research Farm near Tifton, Georgia on April 23, 2015, and harvested August 24-25, 2015. Kernel moisture was approximately 18% at harvest. The experimental plots were thinned to 20,000 plants per acre and maintained following local Extension publication-recommended agronomic practices by P. Tapp (USDA-ARS, Tifton) and D. Griffin (UGA-Tifton). The data were collected by P. Tapp, A. Pryor, and M. Kratz (USDA-ARS, Tifton) and J. Crowell and Z. Franklin (UGA-Tifton).



## Ear-Feeding Insect Resistance in 53 Commercial Corn Hybrids, Tifton, Georgia, 2015

Company or Brand Name	Hybrid Name	Days to Anthesis <sup>1</sup>	Husk Extension (cm)	Husk Tightness <sup>2</sup> rating	2015 FAW+CEW Damage <sup>3</sup> (cm)	Overall Resistance to Insect Damage <sup>4</sup>	
						2015	2 or more years
<b>Mid-Season</b>							
Terral-REV®	28HR20™	55	1.2	M	0.2	VG	G-
T. A. Seeds	TA784-13VPRIB	54	1.2	M	0.5	VG	VG-
Pioneer	P1794VYHR	55	0.6	M	0.3	VG	VG-
Pioneer	P1637VYHR	55	1.0	M	0.5	VG	
T. A. Seeds	TA805-22DP	54	1.1	M	0.5	VG	VG
T. A. Seeds	TA120-02	53	0.7	M	0.3	VG	G-
Syngenta NK	N83D-3000GT	54	0.9	M	0.2	VG	VG-
Pioneer	P1916YHR	54	1.0	M	0.5	VG	
DeKalb	DKC67-72 GENVT2P	55	0.6	M	0.8	VG	
Dyna-Gro	D58VC37	54	1.5	M	0.9	VG	
Dyna-Gro	D57VP51	53	0.5	M	0.7	G	F+
Croplan Genetics	8621 VT2P	53	0.5	M	0.2	G	G
Terral-REV®	26BHR50™	53	0.8	M	0.1	G	G
T. A. Seeds	TA790-31	53	0.3	M	0.7	G	F
Augusta Seed	8868 VT3PRO	53	0.5	M	0.4	G	G-
Augusta Seed	7768 GT3110	54	0.5	M	0.5	G	VG-
Dyna-Gro	D58QC72	53	1.0	M	0.5	G	
T. A. Seeds	TA774-22DPRIB	53	1.1	M	0.6	F	G
T. A. Seeds	X19959	54	0.5	M	0.9	F	
T. A. Seeds	X19986	55	1.0	M	1.1	F	
DeKalb	DKC68-26 GENVT2P	54	0.7	M	1.3	F	
Augusta Seed	7068 VT2 Pro	53	0.9	M	1.1	F	
Croplan Genetics	8512 DGVT2P	53	0.9	M	1.0	F	
DeKalb	DKC66-59 GENVT2P	55	0.8	M	1.4	P	
DeKalb	DKC67-14 GENVT2P	53	0.4	M	0.5	P	
AgraTech	908VIP	54	0.5	M	1.2	P	
Mycogen	2D848	54	0.7	M	0.4	P	
Augusta Seed	7767 VT3 PRO	54	0.3	M	1.8	P	

## Ear-Feeding Insect Resistance in 53 Commercial Corn Hybrids, Tifton, Georgia, 2015 (Continued)

Company or Brand Name	Hybrid Name	Days to Anthesis <sup>1</sup>	Husk Extension (cm)	Husk Tightness <sup>2</sup> rating	2015 FAW+CEW Damage <sup>3</sup> (cm)	Overall Resistance to Insect Damage <sup>4</sup>	
						2015	2 or more years
<b>Short-Season</b>							
Dyna-Gro	D55VP77	54	1.4	M	0.2	VG	VG-
Augusta Seed	5565 VT2PRO	54	0.5	M	0.5	VG	G-
T. A. Seeds	X19918	54	1.2	M	0.3	VG	VG
DeKalb	DKC63-60 GENSS	53	0.9	M	0.8	VG	
Syngenta NK	N76A-GT/LL/CB	54	0.9	M	0.2	VG	
Terral-REV®	22BHR43™	54	0.5	M	0.3	G	VG-
Terral-REV®	24BHR93™	53	0.5	M	0.5	G	G
Croplan Genetics	6640 VT3P	54	0.3	M	0.2	G	G
Terral-REV®	25BHR44™	53	0.9	M	0.7	G	G
Dyna-Gro	D55GT73	54	0.4	M	0.6	G	G+
Dyna-Gro	D55QC73	55	0.7	M	0.5	G	G
Terral-REV®	23BHR55™	53	0.6	M	0.3	G	G
T. A. Seeds	TA765-30	54	0.3	M	0.8	G	F
Pioneer	P1443YHR	53	0.4	M	0.5	G	
AgraTech	1777VIP	53	0.6	M	2.1	F	F
Pioneer	P1197YHR	53	0.9	M	0.6	F	
Syngenta NK	N75H-3010A	54	0.4	M	1.5	F	
Mycogen	2C786	53	0.4	M	0.7	P	F+
Mycogen	2C797	54	0.5	M	0.9	P	F+
Terral-REV®	25BHR26™	55	0.8	M	1.1	P	
Mycogen	2Y744	54	0.5	M	0.7	P	
Syngenta NK	N70J-3111A	55	0.5	M	0.5	P	
Dyna-Gro	D53VC47	54	0.5	M	2.1	P	
Pioneer	P1319YHR	54	0.3	M	1.6	P	
Croplan Genetics	5570 VT2P	53	0.7	M	1.8	P	

- Days to anthesis is the number of days to flowering at Tifton, Georgia, in 2015 after the hybrids were planted on April 23, 2015 ( $n = 4$ ).
- Husk Tightness: L = loose husk, M = medium-tight husk, and T = tight husk.
- FAW+CEW damage denotes the ear penetration (cm) by corn earworm (CEW) and fall armyworm (FAW) feeding with natural infestation.
- Categorization of insect resistance to key ear-feeding insects (i.e., corn earworm, fall armyworm, stink bugs, sap beetles, pink savenger caterpillar, and maize weevil) was based on principal component analysis results. The data were collected from 20 ears per hybrid (5 ears x 4 replications), where VG = very good, G = good, F = fair, and P = poor. The + and - signs denote the fluctuation of damage ratings in recent (two or more) years.

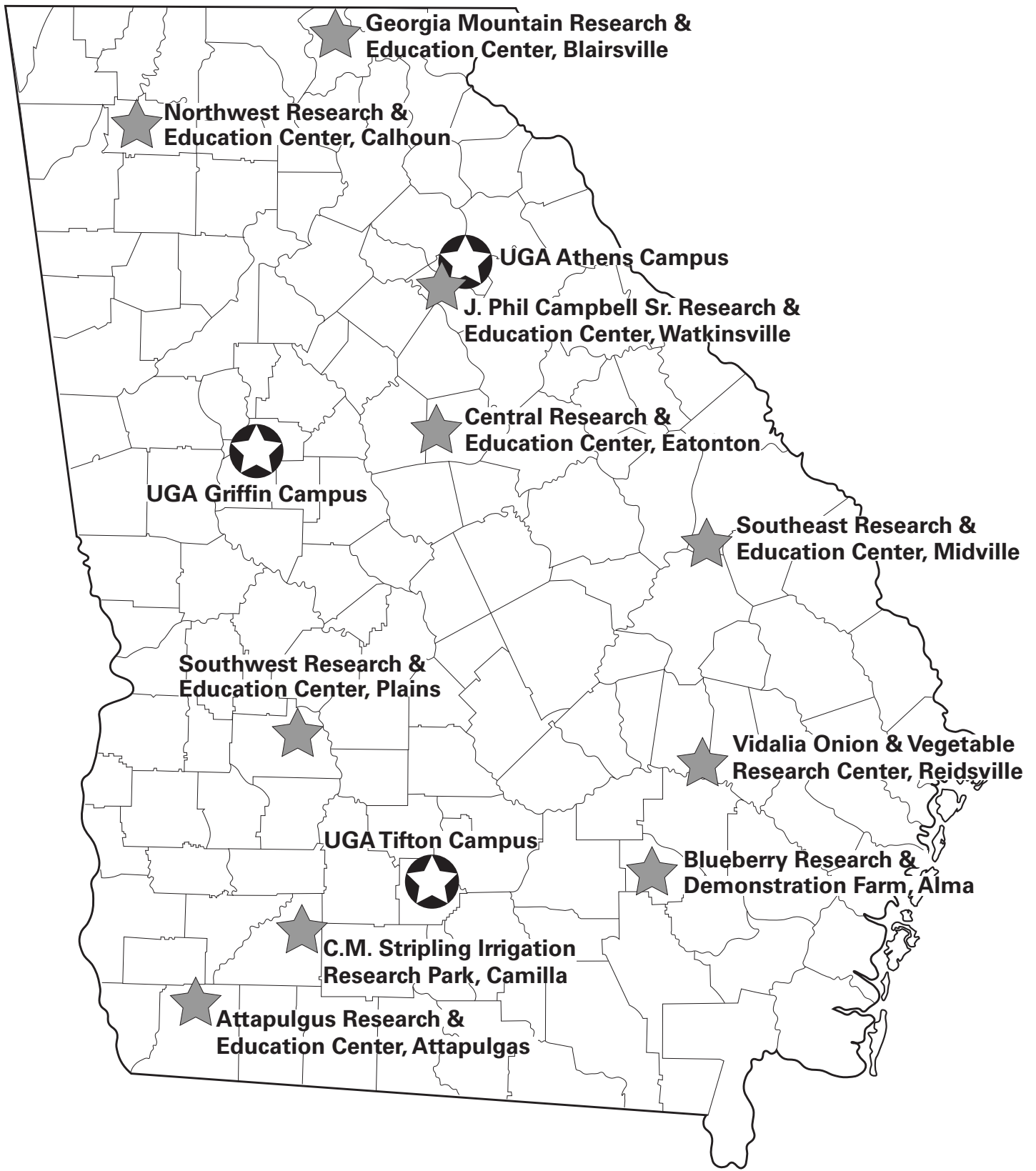
## Sources of Seed for the 2015 Corn Hybrid Tests

<b>Company or Brand Name</b>	<b>Seed Source</b>
AgraTech	Grabow Seed Services, Inc., 6830 Lisa Lane, Dunwoody, GA 30338.
Augusta Seed	Augusta Seed, P.O. Box 899, Verona, VA 24482.
Croplan Genetics	Winfield Solutions, 615 McCardle Road, Dothan, AL 36303.
DeKalb	Monsanto Company, 800 N. Lindberg Blvd., St. Louis, MO 63167.
Dyna-Gro	Crop Production Services, 114 W. 12 <sup>th</sup> Street, Suite D, Tifton, GA 31794.
MC	Masters Choice, 3010 State Route 146 E., Anna, IL 62906.
Mycogen	Mycogen Seed, 24 Surrey Circle, Tifton, GA 31793.
Pioneer	Pioneer Hi-Bred International, Inc., 59 Greif Parkway, Suite 200, Delaware, OH 43015.
Syngenta NK	Syngenta NK Brand Seeds, Leland Ferrell Drive, Leesburg, GA 31763.
T.A. Seeds	T.A. Seeds, 39 Seeds Lane, Jersey Shore, PA 17740.
Terral-REV®	Terral Seed, Inc., 111 Ellington Drive, Rayville, LA 71269.



## NOTES





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