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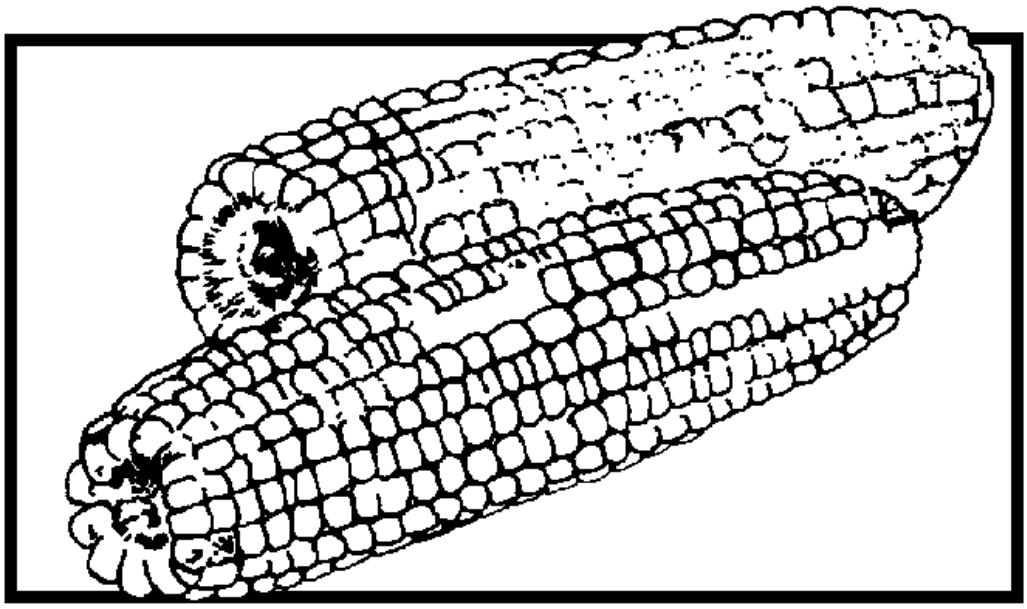
2011 Corn Performance Tests

Anton E. Coy, J. LaDon Day and John D. Gassett
Editors



Department of Crop and Soil Sciences
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Conversion Table

U.S. *Abbr.*	*Unit*	*Approximate Metric Equivalent*
	Length	
mi	mile	1.609 kilometers
yd	yard	0.9144 meters
ft *or* '	foot	30.48 centimeters
in *or* "	inch	2.54 centimeters
	Area	
sq mi *or* mi^2	square mile	2.59 square kilometers
acre	acre	0.405 hectares *or* 4047 square meters
sq ft *or* ft^2	square foot	0.093 square meters
	Volume/Capacity	
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^3	cubic foot	0.028 cubic meters
	Mass/Weight	
ton	ton	0.907 metric ton
lb	pound	0.453 kilogram
oz	ounce	28.349 grams

Metric *Abbr.*	*Unit*	*Approximate U.S. Equivalent*
	Length	
km	kilometer	0.62 mile
m	meter	39.37 inches *or* 1.09 yards
cm	centimeter	0.39 inch
mm	millimeter	0.04 inch
	Area	
ha	hectare	2.47 acres
	Volume/Capacity	
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
	Mass/Weight	
MT	metric ton	1.1 tons
kg	kilogram	2.205 pounds
g	gram	0.035 ounce
mg	milligram	3.5×10^{-5} ounce

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PREFACE

In this research report, the results of the 2011 corn performance trials are presented. Corn performance trials were conducted at six locations throughout Georgia (see map inside back cover) in 2011. 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 four 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: 2010-2011 Small Grains Performance Tests (Annual Publication #100-3), the 2010 Soybean, Sorghum Grain and Silage, Summer Annual Forages and Sunflower Performance Tests (Annual Publication #103-2), the 2010 Peanut, Cotton and Tobacco Performance Tests (Annual Publication #104-2) and the 2011 Canola Performance data (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**. Additional information may be obtained by writing J. LaDon Day, Crop and Soil Sciences Department, University of Georgia, Griffin Campus, 1109 Experiment Street, Griffin, GA 30223-1797.

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Edited by
Anton E. Coy, J. LaDon Day and John D. Gassett

The Season

Soils across the state were abnormally dry as of March 1st, however, there was adequate planting moisture in most areas. Planting progressed ahead of 5-year averages. Plant stands and early season growth were good in most areas. However, by early May less than half of the state had adequate moisture. By the end of May, 2/3 of the state was under a severe drought and almost all of the non-irrigated corn crop was severely damaged beyond salvage from the high heat and lack of moisture. Irrigation was required in the early growth stages of this corn crop and continued through black layer maturity. Mid-June and early July storms caused some hybrids to lodge. Disease and insect pressure was light and quality was good in irrigated fields. Harvest commenced and ended ahead of long term average.

Seasonal rainfall totals, as shown in the table below, were below normal at each of the statewide variety testing program locations. The rainfall deficit was highest in the Coastal Plain area averaging more than eight inches below the long term norm. The area around Plains was the most droughty in the state during the 2010 growing season and again in 2011 received only 68% of normal rainfall, thus continuing to be the driest section of the state.

Growing Season Rainfall[1], 2011

Month	Blairsville	Calhoun[2]	Griffin	Midville	Plains	Tifton
	---------- inches ----------					
February	3.87	3.46	5.31	6.89	4.32	3.29
March	10.01	10.31	6.50	3.91	3.63	2.71
April	8.84	6.91	2.11	1.41	2.01	1.60
May	2.41	1.52	0.79	2.33	0.03	0.01
June	3.43	4.11	1.89	1.73	1.12	4.48
July	2.41	2.89	6.32	3.15	7.00	6.26
August	2.55	1.30	0.68	1.02	1.50	1.82
September	3.61	7.42	2.63	2.40	3.38	5.71
Total (8 mo)	37.13	37.92	26.23	22.84	22.99	25.88
Normal (8 mo)	38.50	38.37	34.34	30.65	33.69	32.15

1. Data submitted by Dr. I. Flitcroft, Georgia Station, Griffin, GA.
2. Floyd County location.

Georgia corn producers planted 345,000 acres during 2011, an increase of 16.9% over 2010. Grain harvest totalled 290,000 acres, an 18.1% increase over the previous year. Yield per acre of 152 bushels set a new Georgia state record and produced a total of 44.1 million bushels, a 24.1% increase over last year. The number of dryland corn acres abandoned and not harvested during 2011 contributed to the high per acre yield level.

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Grain Tests Results

Coastal Plain Region

Coastal Plain Region of Georgia: Summary of Corn Hybrid Performance, 2011

Company or Brand Name	Variety	Yield					
		Coastal Plain Average	Tifton Non-Irr.	Tifton Irrigated	Midville Irrigated	Plains Irrigated	Irrigated Average
		bu/acre					
Short-Season							
Pioneer	P1456HR	**216.7**	**78.9**	**254.6**	**310.9**	**222.2**	**262.6**
Mycogen	2T784	**216.4**	**101.2**	**246.8**	**307.5**	**210.0**	**254.8**
T. A. Seeds	TA765-00	**214.2**	**112.5**	**240.2**	286.5	**217.6**	248.1
Mycogen	2V715	**212.3**	**113.9**	**247.1**	282.9	**205.2**	245.1
Dyna-Gro	57N73	**207.9**	**93.3**	**236.0**	**293.5**	**208.9**	246.1
Croplan Genetics	7131 VT3	**206.9**	**108.2**	**235.5**	275.6	**208.5**	239.9
DeKalb	DKC64-69(GENVT3P)	**206.9**	**108.3**	**259.6**	267.0	192.6	239.7
Mycogen	2T832	**206.0**	**105.2**	**241.0**	**288.8**	189.0	239.6
Mycogen	2A787	**204.1**	**106.4**	220.8	**289.4**	199.7	236.6
NK Brand	N77P 3111	**202.9**	**95.9**	**254.4**	243.0	**218.4**	238.6
T. A. Seeds	TA780-13V	**201.7**	**95.1**	**250.0**	280.9	180.9	237.3
T. A. Seeds	TA717-20	**200.6**	**96.7**	227.8	269.9	**207.9**	235.2
Southern States	SS 684 GENSS	**199.0**	**87.3**	**236.2**	269.5	203.0	236.2
Terral-REV™	25HR39™	**198.4**	**66.8**	**250.0**	276.0	200.9	242.3
NK Brand	N79Z GTCBLL	**198.1**	**72.2**	229.7	**292.3**	198.3	240.1
Dyna-Gro	D55Q80	**198.0**	**83.4**	230.4	271.9	**206.3**	236.2
T. A. Seeds	TA790-19	**194.8**	**103.7**	223.0	254.0	198.7	225.2
Terral-REV™	25R19™	**193.6**	**60.8**	**244.9**	264.1	204.5	237.8
Mycogen	2V738	**193.5**	**77.2**	228.0	274.5	194.3	232.3
DeKalb	DKC65-19	**193.1**	**85.1**	**247.8**	257.2	182.4	229.1
AgraTech	1777	**192.1**	**100.6**	**247.5**	235.2	185.2	222.7
NK Brand	N72F 3000GT	**191.9**	**85.4**	232.1	270.0	180.4	227.5
T. A. Seeds	TA778-28	**191.5**	**96.9**	230.9	249.5	188.7	223.0
T. A. Seeds	TA789-20	**181.4**	**80.6**	189.1	263.4	192.5	215.0
Dyna-Gro	57V59	178.6	**96.0**	213.8	236.4	168.2	206.1
Average		200.0	92.5	236.7	272.4	198.6	235.9
LSD at 10% Level		37.0	N.S.[1]	25.1	23.6	17.4	12.8
Std. Err. of Entry Mean		15.8	15.4	10.7	10.1	7.4	5.5

Coastal Plain Region of Georgia:
Summary of Corn Hybrid Performance, 2011 (Continued)

Company or Brand Name	Variety	Yield					
		Coastal Plain Average	Tifton Non-Irr.	Tifton Irrigated	Midville Irrigated	Plains Irrigated	Irrigated Average
		bu/acre					
Mid and Full-Season							
Pioneer	P2023HR	**217.3**	**85.9**	**288.6**	**261.3**	**233.4**	**261.1**
Pioneer	P2088HR	**209.7**	**86.1**	265.7	**271.0**	**216.1**	250.9
Terral-REV™	28HR29™	**209.3**	70.6	**281.9**	**264.9**	**219.7**	**255.5**
Terral-REV™	28HR20™	**207.4**	**83.5**	266.7	254.0	**225.2**	248.6
Terral-REV™	28HR30™	**205.0**	67.2	**287.0**	**257.1**	208.6	250.9
Terral-REV™	28R10™	**204.3**	64.5	268.5	**268.4**	**215.8**	250.9
NK	N82V3000GT	**204.0**	**82.6**	261.8	**259.7**	212.0	244.5
Pioneer	P1814HR	**203.6**	**77.2**	**273.2**	**262.2**	201.9	245.8
NK Brand	N78S 3111	**202.5**	**105.0**	268.7	247.0	189.3	235.0
Pioneer	31D58	**197.8**	73.4	265.9	244.7	207.2	239.2
Golden Acres	27V01	**197.7**	**97.1**	259.2	244.4	190.3	231.3
Croplan Genetics	851 VT3 PRO	**197.3**	**90.8**	252.0	**265.2**	181.4	232.9
DeKalb	DKC68-05(GENVT3P)	**195.9**	**83.6**	**283.8**	237.8	178.5	233.4
Pioneer	31P42(HX1 LL RR2)	**195.1**	74.0	253.6	248.3	204.5	235.5
Terral-REV™	27HR52™	**194.4**	72.2	259.0	**257.3**	189.0	235.1
Dyna-Gro	D58VP30	**194.4**	65.3	**277.0**	242.9	192.2	237.4
Terral-REV™	26HR50™	**194.3**	63.7	270.5	**260.6**	182.5	237.9
Terral-REV™	26HR22™	**193.8**	62.5	258.2	252.6	201.9	237.6
Dyna-Gro	D56VP24	**193.6**	**98.5**	248.3	240.7	186.9	225.3
Southern States	SS 851 GENVT3PRO	**193.3**	**81.2**	257.6	243.5	190.8	230.6
Terral-REV™	27HR32™	**192.3**	52.2	**275.4**	245.6	195.9	239.0
Croplan Genetics	8756 VT3	**189.8**	**81.5**	263.4	237.5	176.7	225.8
Southern States	SS 788 GENVT3PRO	**189.2**	**100.9**	230.4	228.9	196.7	218.6
Terral-REV™	26HR82™	**188.6**	70.6	250.6	242.9	190.2	227.9
DeKalb	DKC69-29	**187.6**	82.8	250.0	239.0	178.4	222.5
Dyna-Gro	D56VP69	**186.7**	**74.6**	254.3	231.4	186.5	224.1
Croplan Genetics	8410 VT3 PRO	**185.3**	**103.3**	245.5	232.8	159.4	212.6
Dyna-Gro	D56VP10	**185.0**	**103.3**	241.6	214.6	180.3	212.2
AgraTech	825 VT3 PRO	**184.4**	47.3	252.3	236.4	201.4	230.0
Croplan Genetics	8505 VT3 PRO	**183.7**	53.7	261.8	236.2	183.3	227.1
MC	MCT-6751	**183.3**	68.9	245.2	252.5	166.8	221.5
DeKalb	DKC67-57	**182.0**	**86.2**	255.3	223.9	162.6	213.9
Southern States	SS 818 GENVT3PRO	**177.1**	52.5	248.9	225.0	182.2	218.7
AgraTech	1801	**175.7**	58.3	242.4	228.2	174.0	214.9
DeKalb	DKC66-96(GENVT3P)	**175.4**	**77.6**	251.8	214.0	158.1	208.0
Dyna-Gro	D57GT60	166.1	57.9	222.6	231.5	152.5	202.2
Southern States	SS 787 GENVT3PRO	164.9	54.8	223.7	216.2	165.0	201.6
Average		192.1	76.0	258.4	243.8	190.2	230.8
LSD at 10% Level		43.8	30.4	15.8	16.5	18.9	9.8
Std. Err. of Entry Mean		18.7	12.9	6.7	7.0	6.2	4.2

1. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

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

Company or Brand Name	Hybrid Name	Yield[1] 2011	Yield[1] 2-Yr Avg	Yield[1] 3-Yr Avg	Ears/ 100 Plants	Ear Grain Wt.	Grain Quality[2]	Grain Moist.[3]	Plant Pop.	Erect Plants
		-------- bu/acre --------			no.	lb	rating	%	no.	%
Mycogen	2V715	**113.9**	.	.	93	0.30	.	18.3	23414	94
T. A. Seeds	TA765-00	**112.5**	.	.	88	0.36	.	19.3	21018	94
DeKalb	DKC64-69(GENVT3P)	**108.3**	**130.8**	.	88	0.30	.	19.3	22651	98
Croplan Genetics	7131 VT3	**108.2**	**122.2**	**137.5**	93	0.29	.	22.1	23305	92
Mycogen	2A787	**106.4**	.	.	97	0.29	.	21.9	22542	90
Mycogen	2T832	**105.2**	.	.	89	0.31	.	22.8	22651	90
T. A. Seeds	TA790-19	**103.7**	.	.	96	0.31	.	20.7	21127	79
Mycogen	2T784	**101.2**	.	.	96	0.26	.	21.5	23740	69
AgraTech	1777	**100.6**	**107.9**	**120.3**	91	0.30	.	19.2	20256	96
T. A. Seeds	TA778-28	**96.9**	.	.	97	0.24	.	18.9	23958	99
T. A. Seeds	TA717-20	**96.7**	.	.	93	0.27	.	20.5	23196	93
Dyna-Gro	57V59	**96.0**	**125.9**	.	88	0.27	.	18.0	22760	96
NK Brand	N77P 3111	**95.9**	.	.	94	0.27	.	21.3	22434	98
T. A. Seeds	TA780-13V	**95.1**	.	.	94	0.27	.	22.9	22651	86
Dyna-Gro	57N73	**93.3**	**117.9**	**140.5**	78	0.30	.	19.4	22100	92
Southern States	SS 684 GENSS	**87.3**	.	.	80	0.23	.	18.7	23849	88
NK Brand	N72F 3000GT	**85.4**	.	.	87	0.24	.	20.3	22760	96
DeKalb	DKC65-19	**85.1**	.	.	75	0.27	.	20.6	22760	92
Dyna-Gro	D55Q80	**83.4**	**104.1**	.	86	0.24	.	22.8	23523	97
T. A. Seeds	TA789-20	**80.6**	.	.	79	0.12	.	20.3	25718	63
Pioneer	P1456HR	**78.9**	**105.1**	.	76	0.27	.	20.4	22107	94
Mycogen	2V738	**77.2**	.	.	67	0.26	.	19.1	23631	98
NK Brand	N79Z GTCBLL	**72.2**	.	.	78	0.24	.	22.0	21998	85
Terral-REV™	25HR39™	**66.8**	**108.3**	**141.3**	62	0.28	.	18.8	22869	90
Terral-REV™	25R19™	**60.8**	**92.1**	.	61	0.19	.	19.0	22760	94
Average		92.5[4]	112.7	134.9	85	0.27	.	20.3	22791	90
LSD at 10% Level		N.S.[5]	N.S.	N.S.	18	N.S.		0.8	1722	12
Std. Err. of Entry Mean		15.4	10.0	10.8	8	0.04		0.1	730	5

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 33.4%, and df for EMS = 72.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Planted: March 25, 2011.
Harvested: August 8, 2011.
Seeding Rate: 26,000 seeds/acre in 30" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = Low, K = Medium, and pH = 5.8.
Fertilization: 50 lb N, 80 lb P_2O_5, and 90 lb K_2O/acre as preplant; 113 lb N/acre as sidedress.
Previous Crop: Peanuts.
Management: Disked, subsoiled and bedded; Atrazine, Prowl and Accent used for weed control; 1000 lb limestone/acre.

Test conducted by A. Coy, R. Brooke and D. Dunn.

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

Company or Brand Name	Hybrid Name	Yield[1] 2011	Yield[1] 2-Yr Avg	Yield[1] 3-Yr Avg	Ears/ 100 Plants	Ear Grain Wt.	Grain Quality[2]	Grain Moist.[3]	Plant Pop.	Erect Plants
		-------- bu/acre --------			no.	lb	rating	%	no.	%
NK Brand	N78S 3111	**105.0**	.	.	89	0.30	.	21.6	22978	97
Croplan Genetics	8410 VT3 PRO	**103.3**	.	.	94	0.27	.	19.5	23740	100
Dyna-Gro	D56VP10	**103.3**	.	.	88	0.30	.	22.2	24596	95
Southern States	SS 788 GENVT3PRO	**100.9**	.	.	91	0.29	.	21.4	23413	88
Dyna-Gro	D56VP24	**98.5**	**122.0**	.	89	0.26	.	21.2	25156	97
Golden Acres	27V01	**97.1**	**122.2**	.	88	0.26	.	21.1	25265	96
Croplan Genetics	851 VT3 PRO	**90.8**	**119.4**	**119.9**	80	0.27	.	21.5	25918	99
DeKalb	DKC67-57	**86.2**	.	.	79	0.24	.	19.3	25809	96
Pioneer	P2088HR	**86.1**	.	.	82	0.24	.	22.0	26136	96
Pioneer	P2023HR	**85.9**	**118.6**	.	83	0.22	.	20.9	27116	100
DeKalb	DKC68-05(GENVT3P)	**83.6**	**114.9**	.	88	0.20	.	20.9	27116	100
Terral-REV™	28HR20™	**83.5**	**110.1**	**129.6**	72	0.24	.	23.5	26463	91
DeKalb	DKC69-29	**82.8**	.	.	79	0.26	.	20.7	24720	98
NK Brand	N82V 3000GT	**82.6**	**119.3**	**137.4**	81	0.24	.	23.1	25156	100
Croplan Genetics	8756 VT3	**81.5**	**108.9**	**122.3**	90	0.19	.	22.6	27770	94
Southern States	SS 851 GENVT3PRO	**81.2**	.	.	70	0.27	.	21.6	24938	100
DeKalb	DKC66-96(GENVT3P)	**77.6**	**104.1**	.	70	0.23	.	18.4	27334	93
Pioneer	P1814HR	**77.2**	.	.	84	0.24	.	22.2	23849	92
Dyna-Gro	D56VP69	**74.6**	.	.	77	0.22	.	21.0	25700	94
Pioneer	31P42(HX1 LL RR2)	74.0	**106.6**	.	80	0.22	.	20.7	25265	93
Pioneer	31D58	73.4	**111.1**	**122.4**	74	0.23	.	21.5	26136	100
Terral-REV™	27HR52™	72.2	.	.	69	0.25	.	21.0	24285	97
Terral-REV™	26HR82™	70.6	.	.	75	0.22	.	21.5	25592	97
Terral-REV™	28HR29™	70.6	.	.	69	0.24	.	22.1	26245	100
MC	MCT-6751	68.9	.	.	72	0.24	.	21.1	23196	87
Terral-REV™	28HR30™	67.2	**95.5**	.	65	0.24	.	24.0	25592	88
Dyna-Gro	D58VP30	65.3	.	.	78	0.17	.	21.3	26027	99
Terral-REV™	28R10™	64.5	**117.7**	.	60	0.23	.	23.4	26463	98
Terral-REV™	26HR50™	63.7	**112.9**	**122.3**	66	0.22	.	23.9	24612	100
Terral-REV™	26HR22™	62.5	.	.	52	0.20	.	18.9	24306	64
AgraTech	1801	58.3	.	.	63	0.25	.	20.1	23087	92
Dyna-Gro	D57GT60	57.9	**86.8**	.	70	0.22	.	22.0	22325	89
Southern States	SS 787 GENVT3PRO	54.8	.	.	62	0.19	.	17.8	24503	100
Croplan Genetics	8505 VT3 PRO	53.7	**100.5**	.	74	0.17	.	20.5	26027	98
Southern States	SS 818 GENVT3PRO	52.5	.	.	75	0.17	.	23.2	24938	98
Terral-REV™	27HR32™	52.2	.	.	67	0.18	.	20.5	25156	80
AgraTech	825 VT3 PRO	47.3	.	.	73	0.15	.	19.8	24176	98
Average		76.0[4]	110.6	125.6	76	0.23	.	21.3	25165	95
LSD at 10% Level		30.4	N.S.[5]	N.S.	N.S.	0.06		0.8	1389	10
Std. Err. of Entry Mean		12.9	9.5	10.2	8	0.02		0.4	592	4

Tifton, Georgia:
Mid-Season Corn Hybrid Performance, 2011, Nonirrigated (Continued)

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 34.1%, and df for EMS = 106.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Planted:	March 25, 2011.
Harvested:	August 5, 2011.
Seeding Rate:	28,000 seeds/acre in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = Low, K = Medium, and pH = 5.8.
Fertilization:	50 lb N, 80 lb P_2O_5, and 90 lb K_2O/acre as preplant; 113 lb N/acre as sidedress.
Previous Crop:	Peanuts.
Management:	Disked, subsoiled and bedded; Atrazine, Prowl and Accent used for weed control; 1000 lb limestone/acre.

Test conducted by A. Coy, R. Brooke and D. Dunn.

Tifton, Georgia:
Short-Season Corn Hybrid Performance, 2011, Irrigated

Company or Brand Name	Hybrid Name	Yield[1] 2011	Yield[1] 2-Yr Avg	Yield[1] 3-Yr Avg	Ears/ 100 Plants	Ear Grain Wt.	Grain Quality[2]	Grain Moist.[3]	Plant Pop.	Erect Plants
		-------- bu/acre --------			no.	lb	rating	%	no.	%
DeKalb	DKC64-69(GENVT3P)	**259.6**	**260.2**	.	103	0.51	.	16.0	28314	100
Pioneer	P1456HR	**254.6**	**270.1**	.	103	0.49	.	16.0	29685	99
NK Brand	N77P 3111	**254.4**	.	.	101	0.48	.	17.4	30601	98
T. A. Seeds	TA780-13V	**250.0**	.	.	100	0.49	.	18.3	29621	97
Terral-REV™	25HR39™	**250.0**	**260.4**	**256.4**	100	0.50	.	16.0	28205	100
DeKalb	DKC65-19	**247.8**	.	.	100	0.47	.	16.6	29730	100
AgraTech	1777	**247.5**	247.0	**248.5**	100	0.48	.	16.1	28219	98
Mycogen	2V715	**247.1**	.	.	100	0.44	.	14.6	31363	98
Mycogen	2T784	**246.8**	.	.	100	0.47	.	16.9	30057	94
Terral-REV™	25R19™	**244.9**	254.8	.	100	0.46	.	15.7	29730	99
Mycogen	2T832	**241.0**	.	.	101	0.46	.	17.6	29948	99
T. A. Seeds	TA765-00	**240.2**	.	.	100	0.43	.	15.8	30928	100
Southern States	SS 684 GENSS	**236.2**	.	.	100	0.43	.	15.9	30789	97
Dyna-Gro	57N73	**236.0**	253.0	**254.0**	101	0.46	.	15.8	28532	99
Croplan Genetics	7131 VT3	**235.5**	247.0	**243.6**	103	0.41	.	16.9	31690	95
NK Brand	N72F 3000GT	232.1	.	.	101	0.42	.	15.8	31145	86
T. A. Seeds	TA778-28	230.9	.	.	100	0.45	.	15.6	28967	100
Dyna-Gro	D55Q80	230.4	235.5	.	100	0.44	.	17.8	30710	88
NK Brand	N79Z GTCBLL	229.7	.	.	102	0.43	.	16.6	29512	93
Mycogen	2V738	228.0	.	.	100	0.39	.	14.3	32561	97
T. A. Seeds	TA717-20	227.8	.	.	101	0.42	.	16.8	30274	100
T. A. Seeds	TA790-19	223.0	.	.	101	0.44	.	16.4	28205	93
Mycogen	2A787	220.8	.	.	100	0.41	.	16.2	30383	100
Dyna-Gro	57V59	213.8	232.6	.	100	0.43	.	14.9	27878	95
T. A. Seeds	TA789-20	189.1	.	.	101	0.40	.	17.4	26789	99
Average		236.7 [4]	251.2	250.6	101	0.45	.	16.3	29753	97
LSD at 10% Level		25.1	13.2	N.S.[5]	N.S.	0.05		0.8	2224	6
Std. Err. of Entry Mean		10.7	5.5	4.1	1	0.02		0.3	944	3

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 9.0%, and df for EMS = 72.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Planted: March 24, 2011.
Harvested: August 11, 2011.
Seeding Rate: 33,000 seeds/acre in 30" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = High, K = Medium, and pH = 6.8.
Fertilization: 68 lb N, 130 lb P_2O_5, and 200 lb K_2O/acre as preplant; 227 lb N/acre as sidedress.
Previous Crop: Soybeans.
Management: Disked, subsoiled and bedded; Razencane, Atrazine, Prowl and Accent used for weed control; Telone II used for nematode control; irrigated 18 inches.

Test conducted by A. Coy, R. Brooke and D. Dunn.

Tifton, Georgia:
Mid-Season Corn Hybrid Performance, 2011, Irrigated

Company or Brand Name	Hybrid Name	Yield[1] 2011	Yield[1] 2-Yr Avg	Yield[1] 3-Yr Avg	Ears/ 100 Plants	Ear Grain Wt.	Grain Quality[2]	Grain Moist.[3]	Plant Pop.	Erect Plants
		-------- bu/acre --------			no.	lb	rating	%	no.	%
Pioneer	P2023HR	**288.6**	**266.6**	.	103	0.52	.	17.3	30928	100
Terral-REV™	28HR30™	**287.0**	**259.8**	.	102	0.57	.	19.8	29403	94
DeKalb	DKC68-05(GENVT3P)	**283.8**	250.8	.	103	0.51	.	17.1	31037	100
Terral-REV™	28HR29™	**281.9**	.	.	100	0.57	.	19.2	28968	100
Dyna-Gro	D58VP30	**277.0**	.	.	103	0.49	.	17.6	31472	100
Terral-REV™	27HR32™	**275.4**	.	.	102	0.53	.	17.1	28968	95
Pioneer	P1814HR	**273.2**	.	.	102	0.53	.	16.8	28859	100
Terral-REV™	26HR50™	270.5	**255.8**	248.0	99	0.56	.	18.6	28096	97
NK Brand	N78S 3111	268.7	.	.	102	0.57	.	18.4	26790	84
Terral-REV™	28R10™	268.5	**261.6**	.	100	0.51	.	17.9	30383	99
Terral-REV™	28HR20™	266.7	**260.4**	**261.6**	101	0.53	.	17.5	28641	100
Pioneer	31D58	265.9	253.7	**254.5**	102	0.53	.	17.2	28096	100
Pioneer	P2088HR	265.7	.	.	102	0.52	.	18.6	29294	96
Croplan Genetics	8756 VT3	263.4	241.0	238.2	101	0.51	.	18.7	29621	97
NK Brand	N82V 3000GT	261.8	249.8	**253.1**	100	0.52	.	18.6	29512	100
Croplan Genetics	8505 VT3 PRO	261.8	236.8	.	103	0.49	.	17.2	29947	99
Golden Acres	27V01	259.2	234.5	.	101	0.50	.	18.2	29403	95
Terral-REV™	27HR52™	259.0	.	.	102	0.53	.	18.4	27988	100
Terral-REV™	26HR22™	258.2	.	.	101	0.52	.	17.4	28532	99
Southern States	SS 851 GENVT3PRO	257.6	.	.	103	0.50	.	17.6	28641	100
DeKalb	DKC67-57	255.3	.	.	100	0.50	.	17.3	29076	100
Dyna-Gro	D56VP69	254.3	.	.	100	0.51	.	17.7	28641	97
Pioneer	31P42(HX1 LL RR2)	253.6	240.3	.	101	0.52	.	17.1	27661	100
AgraTech	825 VT3 PRO	252.3	.	.	105	0.49	.	17.9	28423	100
Croplan Genetics	851 VT3 PRO	252.0	238.6	238.7	101	0.51	.	18.4	28750	89
DeKalb	DKC66-96(GENVT3P)	251.8	241.1	.	101	0.45	.	16.6	31363	88
Terral-REV™	26HR82™	250.6	.	.	99	0.50	.	17.8	29185	100
DeKalb	DKC69-29	250.0	.	.	100	0.53	.	18.0	27443	99
Southern States	SS 818 GENVT3PRO	248.9	.	.	101	0.51	.	19.0	28532	96
Dyna-Gro	D56VP24	248.3	235.3	.	100	0.51	.	18.1	28096	95
Croplan Genetics	8410 VT3 PRO	245.5	.	.	102	0.48	.	16.7	28859	97
MC	MCT-6751	245.2	.	.	102	0.52	.	17.2	26681	100
AgraTech	1801	242.4	.	.	101	0.53	.	17.2	25918	100
Dyna-Gro	D56VP10	241.6	.	.	114	0.45	.	17.3	27225	100
Southern States	SS 788 GENVT3PRO	230.4	.	.	113	0.45	.	17.7	26027	100
Southern States	SS 787 GENVT3PRO	223.7	.	.	101	0.46	.	16.2	27225	100
Dyna-Gro	D57GT60	222.6	222.1	.	101	0.48	.	17.2	26463	100
Average		258.4 [4]	246.8	249	102	0.51	.	17.7	28653	98
LSD at 10% Level		15.8	12.4	11.2	4	0.03		0.7	1637	6
Std. Err. of Entry Mean		6.7	5.3	4.7	2	0.01		0.3	698	2

Tifton, Georgia:
Mid-Season Corn Hybrid Performance, 2011, Irrigated
(Continued)

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 5.2%, and df for EMS = 108.

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

Planted:	March 24, 2011.
Harvested:	August 11, 2011.
Seeding Rate:	31,500 seeds/acre in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = High, K = Medium, and pH = 6.8.
Fertilization:	68 lb N, 130 lb P_2O_5, and 200 lb K_2O/acre as preplant; 227 lb N/acre as sidedress.
Previous Crop:	Soybeans.
Management:	Disked, subsoiled and bedded; Razencane, Atrazine, Prowl and Accent used for weed control; Telone II used for nematode control; irrigated 18 inches.

Test conducted by A. Coy, R. Brooke and D. Dunn.

Plains, Georgia:
Short-Season Corn Hybrid Performance, 2011, Irrigated

Company or Brand Name	Hybrid Name	Yield[1] 2011	Yield[1] 2-Yr Avg	Yield[1] 3-Yr Avg	Ears/ 100 Plants	Ear Grain Wt.	Grain Quality[2]	Grain Moist.[3]	Plant Pop.	Erect Plants
		-------- bu/acre --------			no.	lb	rating	%	no.	%
Pioneer	P1456HR	**222.2**	**228.0**	.	.	.	.	14.0	.	94
NK Brand	N77P 3111	**218.4**	**.**	.	.	.	.	16.2	.	13
T. A. Seeds	TA765-00	**217.6**	.	.	.	.	.	14.2	.	89
Mycogen	2T784	**210.0**	.	.	.	.	.	15.0	.	8
Dyna-Gro	57N73	**208.9**	**219.5**	**190.0**	.	.	.	14.3	.	97
Croplan Genetics	7131 VT3	**208.5**	213.5	**186.1**	.	.	.	15.5	.	11
T. A. Seeds	TA717-20	**207.9**	.	.	.	.	.	14.8	.	100
Dyna-Gro	D55Q80	**206.3**	**218.1**	.	.	.	.	14.9	.	94
Mycogen	2V715	**205.2**	.	.	.	.	.	11.9	.	56
Terral-REV™	25R19™	204.5	**219.9**	.	.	.	.	13.6	.	90
Southern States	SS 684 GENSS	203.0	.	.	.	.	.	14.2	.	73
Terral-REV™	25HR39™	200.9	210.9	**189.8**	.	.	.	13.7	.	94
Mycogen	2A787	199.7	.	.	.	.	.	14.3	.	28
T. A. Seeds	TA790-19	198.7	.	.	.	.	.	16.0	.	58
NK Brand	N79Z GTCBLL	198.3	.	.	.	.	.	15.9	.	31
Mycogen	2V738	194.3	.	.	.	.	.	13.4	.	70
DeKalb	DKC64-69(GENVT3P)	192.6	210.6	.	.	.	.	14.1	.	38
T. A. Seeds	TA789-20	192.5	.	.	.	.	.	15.9	.	85
Mycogen	2T832	189.0	.	.	.	.	.	14.2	.	6
T. A. Seeds	TA778-28	188.7	.	.	.	.	.	13.6	.	100
AgraTech	1777	185.2	202.1	**180.0**	.	.	.	14.2	.	84
DeKalb	DKC65-19	182.4	.	.	.	.	.	14.3	.	90
T. A. Seeds	TA780-13V	180.9	.	.	.	.	.	14.6	.	21
NK Brand	N72F 3000GT	180.4	.	.	.	.	.	14.1	.	7
Dyna-Gro	57V59	168.2	180.0	.	.	.	.	12.7	.	75
Average		198.6[4]	211.4	186.5	.	.	.	14.4	.	60
LSD at 10% Level		17.4	14.1	N.S.[5]				0.8		22
Std. Err. of Entry Mean		7.4	5.9	6.3				0.3		10

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 7.4%, and df for EMS = 72.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Planted: April 13, 2011.
Harvested: August 24, 2011.
Seeding Rate: 31,700 seeds/acre in 30" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 5.9.
Fertilization: 125 lb N, 110 lb P_2O_5, and 30 lb K_2O/acre as preplant; 150 lb N/acre as sidedress.
Previous Crop: Soybeans.
Management: Chisel plowed, bedded and rototilled; Atrazine, Accent and Prowl used for weed control; irrigated 17 inches.

Test conducted by A. Coy, R. Brooke, D. Dunn and R. Pines.

Plains, Georgia:
Mid-Season Corn Hybrid Performance, 2011, Irrigated

Company or Brand Name	Hybrid Name	Yield[1] 2011	Yield[1] 2-Yr Avg	Yield[1] 3-Yr Avg	Ears/ 100 Plants	Ear Grain Wt.	Grain Quality[2]	Grain Moist.[3]	Plant Pop.	Erect Plants
		-------- bu/acre --------			no.	lb	rating	%	no.	%
Pioneer	P2023HR	**233.4**	**234.4**	.	.	.	.	15.9	.	100
Terral-REV™	28HR20™	**225.2**	**228.0**	**206.2**	.	.	.	15.7	.	99
Terral-REV™	28HR29™	**219.7**	.	.	.	.	.	17.1	.	98
Pioneer	P2088HR	**216.1**	.	.	.	.	.	16.2	.	83
Terral-REV™	28R10™	**215.8**	**222.9**	.	.	.	.	16.0	.	99
NK	N82V3000GT	212.0	214.8	**196.9**	.	.	.	16.5	.	77
Terral-REV™	28HR30™	208.6	203.5	.	.	.	.	17.2	.	33
Pioneer	31D58	207.2	211.6	189.5	.	.	.	15.4	.	100
Pioneer	31P42(HX1 LL RR2)	204.5	207.4	.	.	.	.	15.2	.	100
Pioneer	P1814HR	201.9	.	.	.	.	.	14.8	.	100
Terral-REV™	26HR22™	201.9	.	.	.	.	.	14.4	.	94
AgraTech	825 VT3 PRO	201.4	.	.	.	.	.	14.6	.	96
Southern States	SS 788 GENVT3PRO	196.7	.	.	.	.	.	15.6	.	97
Terral-REV™	27HR32™	195.9	.	.	.	.	.	15.2	.	84
Dyna-Gro	D58VP30	192.2	.	.	.	.	.	15.0	.	85
Southern States	SS 851 GENVT3PRO	190.8	.	.	.	.	.	16.4	.	100
Golden Acres	27V01	190.3	190.1	.	.	.	.	14.4	.	18
Terral-REV™	26HR82™	190.2	.	.	.	.	.	15.8	.	99
NK Brand	N78S 3111	189.3	.	.	.	.	.	16.1	.	76
Terral-REV™	27HR52™	189.0	.	.	.	.	.	14.8	.	80
Dyna-Gro	D56VP24	186.9	185.9	.	.	.	.	14.1	.	20
Dyna-Gro	D56VP69	186.5	.	.	.	.	.	15.7	.	50
Croplan Genetics	8505 VT3 PRO	183.3	197.7	.	.	.	.	14.7	.	98
Terral-REV™	26HR50™	182.5	199.4	184.5	.	.	.	16.8	.	65
Southern States	SS 818 GENVT3PRO	182.2	.	.	.	.	.	16.6	.	68
Croplan Genetics	851 VT3 PRO	181.4	174.7	151.5	.	.	.	15.2	.	38
Dyna-Gro	D56VP10	180.3	.	.	.	.	.	15.6	.	92
DeKalb	DKC68-05(GENVT3P)	178.5	188.7	.	.	.	.	15.0	.	96
DeKalb	DKC69-29	178.4	.	.	.	.	.	16.2	.	100
Croplan Genetics	8756 VT3	176.7	176.6	153.6	.	.	.	15.7	.	84
AgraTech	1801	174.0	.	.	.	.	.	15.3	.	98
MC	MCT-6751	166.8	.	.	.	.	.	15.8	.	65
Southern States	SS 787 GENVT3PRO	165.0	.	.	.	.	.	13.7	.	97
DeKalb	DKC67-57	162.6	.	.	.	.	.	15.4	.	100
Croplan Genetics	8410 VT3 PRO	159.4	.	.	.	.	.	14.6	.	70
DeKalb	DKC66-96(GENVT3P)	158.1	178.0	.	.	.	.	14.4	.	70
Dyna-Gro	D57GT60	152.5	177.3	.	.	.	.	15.5	.	70
Average		190.2 [4]	199.4	180.4	.	.	.	15.5	.	81
LSD at 10% Level		18.9	14.5	14.0				0.7		20
Std. Err. of Entry Mean		8.1	6.2	5.9				0.3		9

Plains, Georgia:
Mid-Season Corn Hybrid Performance, 2011, Irrigated
(Continued)

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 8.5%, and df for EMS = 108.

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

Planted:	April 13, 2011.
Harvested:	August 24, 2011.
Seeding Rate:	27,200 seeds/acre in 30" rows.
Soil Type:	Greenville sandy loam
Soil Test:	P = Medium, K = High, and pH = 5.9.
Fertilization:	125 lb N, 110 lb P_2O_5, and 30 lb K_2O/acre as preplant; 150 lb N/acre as sidedress.
Previous Crop:	Soybeans.
Management:	Chisel plowed, bedded and rototilled; Atrazine, Accent and Prowl used for weed control; irrigated 17 inches.

Test conducted by A. Coy, R. Brooke, D. Dunn and R. Pines.

Midville, Georgia:
Short-Season Corn Hybrid Performance, 2011, Irrigated

Company or Brand Name	Hybrid Name	Yield[1] 2011	Yield[1] 2-Yr Avg	Yield[1] 3-Yr Avg	Ears/ 100 Plants	Ear Grain Wt.	Grain Quality[2]	Grain Moist.[3]	Plant Pop.	Erect Plants
		-------- bu/acre --------			no.	lb	rating	%	no.	%
Pioneer	P1456HR	**310.9**	**298.0**	.	.	.	.	13.4	.	100
Mycogen	2T784	**307.5**	.	.	.	.	.	14.0	.	71
Dyna-Gro	57N73	**293.5**	281.0	**263.0**	.	.	.	12.9	.	100
NK Brand	N79Z GTCBLL	**292.3**	.	.	.	.	.	14.2	.	99
Mycogen	2A787	**289.4**	.	.	.	.	.	13.9	.	95
Mycogen	2T832	**288.8**	.	.	.	.	.	14.3	.	90
T. A. Seeds	TA765-00	286.5	.	.	.	.	.	12.8	.	99
Mycogen	2V715	282.9	.	.	.	.	.	12.2	.	92
T. A. Seeds	TA780-13V	280.9	.	.	.	.	.	13.8	.	96
Terral-REV™	25HR39™	276.0	273.2	**269.2**	.	.	.	12.7	.	99
Croplan Genetics	7131 VT3	275.6	250.9	**243.2**	.	.	.	14.0	.	92
Mycogen	2V738	274.5	.	.	.	.	.	12.5	.	96
Dyna-Gro	D55Q80	271.9	257.5	.	.	.	.	15.6	.	98
NK Brand	N72F 3000GT	270.0	.	.	.	.	.	13.2	.	98
T. A. Seeds	TA717-20	269.9	.	.	.	.	.	14.6	.	100
Southern States	SS 684 GENSS	269.5	.	.	.	.	.	12.9	.	85
DeKalb	DKC64-69(GENVT3P)	267.0	256.4	.	.	.	.	14.2	.	55
Terral-REV™	25R19™	264.1	270.8	.	.	.	.	12.7	.	100
T. A. Seeds	TA789-20	263.4	.	.	.	.	.	14.2	.	100
DeKalb	DKC65-19	257.2	.	.	.	.	.	13.4	.	80
T. A. Seeds	TA790-19	254.0	.	.	.	.	.	14.2	.	96
T. A. Seeds	TA778-28	249.5	.	.	.	.	.	11.6	.	100
NK Brand	N77P 3111	243.0	.	.	.	.	.	13.7	.	73
Dyna-Gro	57V59	236.4	227.6	.	.	.	.	12.3	.	93
AgraTech	1777	235.2	242.9	**254.6**	.	.	.	12.8	.	95
Average		272.4[4]	262.0	257.5	.	.	.	13.4	.	92
LSD at 10% Level		23.6	16.6	N.S.[5]				0.6		18
Std. Err. of Entry Mean		10.0	7.0	5.4				0.2		7

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 7.3%, and df for EMS = 72.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Planted: April 11, 2011.
Harvested: August 29, 2011.
Seeding Rate: 35,000 seeds/acre in 30" rows.
Soil Type: Dothan sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 6.9.
Fertilization: 100 lb N, 150 lb P_2O_5, and 200 lb K_2O/acre as preplant; 180 lb N/acre as sidedress.
Previous Crop: Soybeans.
Management: Subsoiled and bedded; Atrazine and Acumen used for weed control; Telon II used for nematode control; irrigated 15 inches.

Test conducted by A. Coy, R. Brooke, D. Dunn, K. Cobb and R. Milton.

Midville, Georgia:
Mid-Season Corn Hybrid Performance, 2011, Irrigated

Company or Brand Name	Hybrid Name	Yield[1] 2011	Yield[1] 2-Yr Avg	Yield[1] 3-Yr Avg	Ears/ 100 Plants	Ear Grain Wt.	Grain Quality[2]	Grain Moist.[3]	Plant Pop.	Erect Plants
		-------- bu/acre --------			no.	lb	rating	%	no.	%
Pioneer	P2088HR	**271.0**	.	.	.	.	.	14.3	.	100
Terral-REV™	28R10™	**268.4**	**260.9**	.	.	.	.	14.9	.	100
Croplan Genetics	851 VT3 PRO	**265.2**	250.1	**244.7**	.	.	.	13.8	.	97
Terral-REV™	28HR29™	**264.9**	.	.	.	.	.	15.5	.	100
Pioneer	P1814HR	**262.2**	.	.	.	.	.	14.1	.	100
Pioneer	P2023HR	**261.3**	**264.6**	.	.	.	.	14.1	.	100
Terral-REV™	26HR50™	**260.6**	253.4	**249.0**	.	.	.	15.2	.	95
NK	N82V3000GT	**259.7**	253.5	**249.1**	.	.	.	14.4	.	100
Terral-REV™	27HR52™	**257.3**	.	.	.	.	.	14.4	.	99
Terral-REV™	28HR30™	**257.1**	**255.6**	.	.	.	.	16.9	.	99
Terral-REV™	28HR20™	254.0	253.3	**246.2**	.	.	.	14.2	.	98
Terral-REV™	26HR22™	252.6	.	.	.	.	.	13.7	.	100
MC	MCT-6751	252.5	.	.	.	.	.	14.1	.	96
Pioneer	31P42(HX1 LL RR2)	248.3	235.5	.	.	.	.	13.6	.	100
NK Brand	N78S 3111	247.0	.	.	.	.	.	13.9	.	98
Terral-REV™	27HR32™	245.6	.	.	.	.	.	14.2	.	96
Pioneer	31D58	244.7	247.7	**252.4**	.	.	.	13.7	.	100
Golden Acres	27V01	244.4	237.6	.	.	.	.	13.6	.	99
Southern States	SS 851 GENVT3PRO	243.5	.	.	.	.	.	14.6	.	100
Dyna-Gro	D58VP30	242.9	.	.	.	.	.	13.3	.	100
Terral-REV™	26HR82™	242.9	.	.	.	.	.	14.4	.	100
Dyna-Gro	D56VP24	240.7	240.0	.	.	.	.	13.5	.	100
DeKalb	DKC69-29	239.0	.	.	.	.	.	14.2	.	100
DeKalb	DKC68-05(GENVT3P)	237.8	231.1	.	.	.	.	13.9	.	100
Croplan Genetics	8756 VT3	237.5	234.3	235.5	.	.	.	14.5	.	99
AgraTech	825 VT3 PRO	236.4	.	.	.	.	.	13.3	.	100
Croplan Genetics	8505 VT3 PRO	236.2	240.6	.	.	.	.	13.1	.	100
Croplan Genetics	8410 VT3 PRO	232.8	.	.	.	.	.	14.1	.	97
Dyna-Gro	D57GT60	231.5	233.3	.	.	.	.	13.5	.	100
Dyna-Gro	D56VP69	231.4	.	.	.	.	.	14.8	.	100
Southern States	SS 788 GENVT3PRO	228.9	.	.	.	.	.	13.9	.	100
AgraTech	1801	228.2	.	.	.	.	.	13.6	.	100
Southern States	SS 818 GENVT3PRO	225.0	.	.	.	.	.	15.2	.	99
DeKalb	DKC67-57	223.9	.	.	.	.	.	14.0	.	100
Southern States	SS 787 GENVT3PRO	216.2	.	.	.	.	.	12.7	.	100
Dyna-Gro	D56VP10	214.6	.	.	.	.	.	13.6	.	97
DeKalb	DKC66-96(GENVT3P)	214.0	217.8	.	.	.	.	13.0	.	100
Average		243.8[4]	244.3	246.2	.	.	.	14.1	.	99
LSD at 10% Level		16.5	9.8	N.S.[5]				0.4		N.S.
Std. Err. of Entry Mean		7.0	4.2	4.5				0.2		1

Midville, Georgia:
Mid-Season Corn Hybrid Performance, 2011, Irrigated
(Continued)

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 5.8%, and df for EMS = 108.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Planted:	April 11, 2011.
Harvested:	August 29, 2011.
Seeding Rate:	29,100 seeds/acre in 30" rows.
Soil Type:	Dothan sandy loam.
Soil Test:	P = Medium, K = Medium, and pH = 6.9.
Fertilization:	100 lb N, 150 lb P_2O_5, and 200 lb K_2O/acre as preplant; 180 lb N/acre as sidedress.
Previous Crop:	Soybeans.
Management:	Subsoiled and bedded; Atrazine and Acumen used for weed control; Telon II used for nematode control; irrigated 15 inches.

Test conducted by A. Coy, R. Brooke, D. Dunn, K. Cobb and R. Milton.

Piedmont Region

Griffin, Georgia:
Short-Season Corn Hybrid Performance, 2011, Irrigated

Company or Brand Name	Hybrid Name	Yield[1] 2011	Yield[1] 2-Yr Avg	Yield[1] 3-Yr Avg	Ears/ 100 Plants	Ear Grain Wt.	Grain Quality[2]	Grain Moist.[3]	Plant Pop.	Erect Plants
		-------- bu/acre --------			no.	lb	rating	%	no.	%
NK Brand	N77P 3111	**214.3**	.	.	102	0.38	1.9	16.8	31218	99
Pioneer	P1456HR	**210.6**	**241.9**	.	102	0.37	2.1	14.6	31383	100
NK Brand	N79Z GTCBLL	**209.2**	.	.	106	0.33	2.3	15.3	33033	100
NK Brand	N72F 3000GT	**207.2**	.	.	104	0.34	1.9	14.7	32041	100
Dyna-Gro	D55Q80	196.3	.	.	108	0.30	2.3	14.8	33517	100
DeKalb	DKC64-69(GENVT3P)	194.9	**230.3**	.	102	0.36	1.9	14.8	29524	100
Croplan Genetics	7131 VT3	194.8	**222.4**	**168.0**	105	0.32	2.1	15.1	32186	100
DeKalb	DKC65-19	192.8	.	.	100	0.35	2.0	14.4	30371	98
AgraTech	1777	192.7	.	.	105	0.33	2.3	14.1	30415	100
Terral-REV™	25R19™	191.5	**232.8**	.	103	0.33	2.4	13.8	31460	100
Terral-REV™	25HR39™	183.8	**229.1**	**170.5**	101	0.34	2.6	13.6	29645	99
Dyna-Gro	57V59	180.5	**211.3**	.	106	0.3	2.4	13.0	30734	99
Dyna-Gro	57N73	179.4	.	.	101	0.31	2.4	13.8	31339	100
Southern States	SS 684 GENSS	154.6	.	.	102	0.26	2.0	13.7	32307	100
Average		193.0 [4]	228.0	169.3	103	0.33	2.2	14.5	31370	100
LSD at 10% Level		17.6	N.S.[5]	N.S.	N.S.	0.02	0.4	0.4	2057	N.S.
Std. Err. of Entry Mean		7.4	4.5	3.4	2	0.01	0.2	0.2	863	1

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 7.9%, and df for EMS = 39.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Planted: April 11, 2011.
Harvested: August 31, 2011.
Seeding Rate: 34,000 seeds/acre in 30" rows.
Soil Type: Pacolet sandy loam.
Soil Test: P = Medium, K = High, and pH = 5.9.
Fertilization: 75 lb N, 150 lb P_2O_5, and 225 lb K_2O/acre as preplant; 200 lb N/acre as sidedress.
Previous Crop: Wheat.
Management: Moldboard plowed, disked and rototilled; Lasso, Atrazine and one cultivation used for weed control; irrigated 11 inches.

Test conducted by J. Gassett and G. Ware.

Griffin, Georgia:
Mid-Season Corn Hybrid Performance, 2011, Irrigated

Company or Brand Name	Hybrid Name	Yield[1] 2011	Yield[1] 2-Yr Avg	Yield[1] 3-Yr Avg	Ears/ 100 Plants	Ear Grain Wt.	Grain Quality[2]	Grain Moist.[3]	Plant Pop.	Erect Plants
		-------- bu/acre --------			no.	lb	rating	%	no.	%
Dyna-Gro	D56VP24	**201.5**	**216.3**	.	101	0.34	2.0	14.4	31944	100
Croplan Genetics	8756 VT3	**201.3**	**220.1**	.	104	0.35	2.3	14.8	30301	100
DeKalb	DKC67-57	**200.4**	.	.	104	0.34	2.3	14.0	31097	100
DeKalb	DKC68-05(GENVT3P)	**198.8**	**203.8**	.	107	0.31	2.1	14.3	32846	100
Pioneer	P2088HR	**198.2**	.	.	100	0.36	2.5	14.4	30352	100
Terral-REV™	26HR22™	**197.8**	.	.	100	0.34	2.8	13.2	31482	100
Golden Acres	27V01	**195.6**	**205.1**	.	99	0.35	2.3	14.5	31320	100
Terral-REV™	28HR29™	**195.3**	.	.	100	0.34	2.4	16.1	31944	100
NK Brand	N78S 3111	**195.1**	.	.	103	0.37	2.3	16.6	29040	100
NK	N82V3000GT	**192.8**	**232.7**	**195.6**	100	0.35	2.3	15.0	30836	100
Croplan Genetics	851 VT3 PRO	**190.4**	.	.	100	0.32	2.4	13.9	32428	100
DeKalb	DKC66-96(GENVT3P)	**189.4**	**222.5**	.	103	0.31	2.1	12.3	32043	100
MC	MCT-6751	**188.3**	.	.	102	0.33	2.6	13.9	31159	100
AgraTech	825 VT3 PRO	**187.8**	.	.	102	0.33	2.1	13.4	30613	100
Terral-REV™	28HR30™	**186.8**	**223.9**	.	98	0.37	2.4	15.8	29384	100
Dyna-Gro	D58VP30	**185.3**	.	.	102	0.33	2.0	13.7	30613	100
Pioneer	P2023HR	**185.3**	**222.9**	.	102	0.31	2.5	14.4	32417	100
Terral-REV™	27HR52™	**184.9**	.	.	101	0.34	2.9	13.7	29887	100
DeKalb	DKC69-29	180.4	.	.	102	0.31	2.6	13.8	31159	100
Dyna-Gro	D57GT60	176.9	.	.	106	0.31	2.6	14.1	29645	100
Terral-REV™	28R10™	174.2	**225.8**	.	102	0.31	3.0	14.6	30613	100
Southern States	SS 788 GENVT3PRO	174.1	.	.	109	0.31	2.1	13.8	28314	100
Terral-REV™	26HR82™	173.8	.	.	101	0.32	3.8	14.4	29645	100
Terral-REV™	28HR20™	173.5	**216.7**	**183.0**	100	0.31	3.0	15.4	31636	100
Dyna-Gro	D56VP69	171.5	.	.	102	0.32	2.1	15.5	29766	100
Pioneer	31P42(HX1 LL RR2)	170.7	**214.9**	.	102	0.32	2.8	14.2	29384	100
Southern States	SS 851 GENVT3PRO	166.9	.	.	107	0.31	2.3	14.5	27588	100
Croplan Genetics	8505 VT3 PRO	166.9	.	.	102	0.29	2.4	13.1	30855	100
Dyna-Gro	D56VP10	166.0	.	.	104	0.3	2.5	13.8	28798	100
Terral-REV™	27HR32™	149.4	.	.	102	0.28	2.9	14.1	29282	100
Terral-REV™	26HR50™	139.6	**217.6**	**179.1**	100	0.28	3.3	16.0	28314	100
Average		182.5[4]	218.5	185.9	102	0.32	2.5	14.4	30474	100
LSD at 10% Level		20.2	N.S.[5]	N.S.	3	0.04	0.4	0.6	1977	-
Std. Err. of Entry Mean		8.6	6.7	5.9	1	0.02	0.2	0.2	841	-

Griffin, Georgia:
Mid-Season Corn Hybrid Performance, 2011, Irrigated
(Continued)

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 9.4%, and df for EMS = 90.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Planted:	April 11, 2011.
Harvested:	August 31, 2011.
Seeding Rate:	33,000 seeds/acre in 30" rows.
Soil Type:	Pacolet sandy loam.
Soil Test:	P Medium= , K = High, and pH = 5.9.
Fertilization:	75 lb N, 150 lb P_2O_5, and 225 lb K_2O/acre as preplant; 200 lb N/acre as sidedress.
Previous Crop:	Wheat.
Management:	Moldboard plowed, disked and rototilled; Lasso, Atrazine and one cultivation used for weed control; irrigated 11 inches.

Test conducted by J. Gassett and G. Ware.

North Georgia Region

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

Company or Brand Name	Hybrid Name	Yield[1] 2011	Yield[1] 2-Yr Avg	Yield[1] 3-Yr Avg	Ears/ 100 Plants	Ear Grain Wt.	Grain Quality[2]	Grain Moist.[3]	Plant Pop.	Erect Plants
		-------- bu/acre --------			no.	lb	rating	%	no.	%
Dyna-Gro	57N73	**174.8**	**124.6**	**127.6**	107	0.35	1.5	14.8	26245	100
Terral-REV™	25HR39™	**172.7**	**125.6**	**133.7**	112	0.37	2.0	15.0	23522	100
Terral-REV™	25R19™	**167.2**	**116.9**	.	106	0.39	1.8	15.1	22542	99
Croplan Genetics	7131 VT3	**165.6**	**130.5**	**145.6**	114	0.32	1.8	14.2	25265	100
NK Brand	N72F 3000GT	**155.4**	.	.	113	0.30	2.0	13.7	25156	100
Pioneer	P1456HR	**155.1**	**117.9**	.	109	0.31	1.8	13.6	25374	98
NK Brand	N77P 3111	143.6	.	.	113	0.29	1.5	13.6	23414	100
Southern States	SS 684 GENSS	140.3	.	.	102	0.32	2.0	13.7	23414	100
Terral-REV™	25HR49™	139.5	**109.4**	**115.4**	108	0.34	2.3	14.7	21127	100
Dyna-Gro	D55Q80	139.0	.	.	108	0.29	1.9	14.2	25047	99
DeKalb	DKC64-69(GENVT3P)	135.0	**126.2**	.	108	0.31	1.5	13.8	22869	100
Dyna-Gro	57V59	117.3	.	.	111	0.25	2.5	12.3	23305	100
DeKalb	DKC65-19	109.8	.	.	110	0.26	1.6	13.8	21998	100
AgraTech	1777	100.9	.	.	109	0.24	1.9	14.6	21889	98
Average		144.0 [4]	121.6	130.6	109	0.31	1.8	14.1	23655	99
LSD at 10% Level		26.9	N.S.[5]	N.S.	N.S.	0.06	1.0	0.5	2368	N.S.
Std. Err. of Entry Mean		11.3	7.2	6.0	4	0.03	0.2	0.4	994	1

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 15.7%, and df for EMS = 39.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Planted: April 26, 2011.
Harvested: September 1, 2011.
Seeding Rate: 26,500 seeds/acre in 30" rows.
Soil Type: Waynesboro loam.
Soil Test: P = Very High, K = High, and pH = 6.4.
Fertilization: 124 lb N, 104 lb P_2O_5, and 280 lb K_2O/acre as preplant; 150 lb N/acre as sidedress.
Previous Crop: Fallow.
Management: Subsoiled, moldboard plowed, disked and rototilled; Callisto, Accent and one cultivation used for weed control.

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

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

Company or Brand Name	Hybrid Name	Yield[1] 2011	Yield[1] 2-Yr Avg	Yield[1] 3-Yr Avg	Ears/ 100 Plants	Ear Grain Wt.	Grain Quality[2]	Grain Moist.[3]	Plant Pop.	Erect Plants
		-------- bu/acre --------			no.	lb	rating	%	no.	%
Croplan Genetics	8505 VT3 PRO	**160.8**	.	.	115	0.35	1.5	13.3	22107	100
MC	MCT-6751	**160.1**	.	.	115	0.33	1.5	11.9	23196	100
Terral-REV™	27HR32™	**158.0**	.	.	114	0.34	1.5	14.0	22325	100
AgraTech	825 VT3 PRO	**157.8**	.	.	117	0.30	1.9	12.3	23849	100
Croplan Genetics	8756 VT3	**155.6**	**118.4**	.	116	0.33	1.6	13.3	21995	100
Dyna-Gro	D57GT60	**154.5**	.	.	126	0.33	1.8	12.5	19929	100
Croplan Genetics	851 VT3 PRO	**152.9**	.	.	109	0.36	1.9	13.4	21562	100
DeKalb	DKC68-05(GENVT3P)	**151.2**	**135.4**	.	122	0.28	1.6	12.7	24463	100
Southern States	SS 788 GENVT3PRO	**150.5**	.	.	137	0.29	1.5	11.0	20364	100
DeKalb	DKC66-96(GENVT3P)	**150.3**	**132.0**	.	111	0.34	1.5	11.3	21998	97
Dyna-Gro	D56VP10	**148.9**	.	.	128	0.28	1.6	11.3	22520	100
Terral-REV™	27HR52™	**147.2**	.	.	106	0.34	1.9	12.0	22216	100
Pioneer	P2088HR	**144.7**	.	.	115	0.31	1.9	13.3	22434	100
Terral-REV™	26HR22™	**140.4**	.	.	107	0.34	1.9	11.7	21139	100
Pioneer	P2023HR	**138.7**	**113.0**	.	110	0.33	1.8	13.4	21454	100
Golden Acres	27V01	**138.2**	**126.1**	.	113	0.31	1.8	12.6	21018	97
Dyna-Gro	D58VP30	**138.1**	.	.	112	0.29	1.6	11.7	23849	100
Dyna-Gro	D56VP69	**135.9**	.	.	114	0.32	1.9	14.0	20691	100
Dyna-Gro	D56VP24	**133.2**	**117.5**	.	111	0.29	2.0	10.6	22107	93
NK	N82V3000GT	**127.2**	**110.6**	116.8	103	0.32	1.9	14.4	21236	100
Pioneer	31P42(HX1 LL RR2)	**124.6**	**95.1**	.	108	0.32	1.8	14.0	19929	95
Southern States	SS 851 GENVT3PRO	**119.0**	.	.	112	0.25	1.6	12.2	22433	100
Terral-REV™	26HR82™	**107.6**	.	.	115	0.24	2.1	13.7	21889	95
Average		143.3 [4]	118.5	116.8	114	0.31	1.7	12.6	21943	99
LSD at 10% Level		N.S.[5]	N.S.	-	11	N.S.	0.3	1.7	N.S.	4
Std. Err. of Entry Mean		12.0	11.6	-	5	0.03	0.1	0.7	1129	2

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 16.8%, and df for EMS = 66.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Planted: April 26, 2011.
Harvested: September 1, 2011.
Seeding Rate: 24.500 seeds/acre in 30" rows.
Soil Type: Waynesboro loam.
Soil Test: P = Very High, K = High, and pH = 6.4.
Fertilization: 124 lb N, 104 lb P_2O_5, and 280 lb K_2O/acre as preplant; 150 lb N/acre as sidedress.
Previous Crop: Fallow.
Management: Subsoiled, moldboard plowed, disked and rototilled: Callisto, Accent and one cultivation used for weed control.

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

Calhoun, Georgia:
Short-Season Corn Hybrid Performance, 2011, Irrigated

Company or Brand Name	Hybrid Name	Yield[1] 2011	Yield[1] 2-Yr Avg	Yield[1] 3-Yr Avg	Ears/ 100 Plants	Ear Grain Wt.	Grain Quality[2]	Grain Moist.[3]	Plant Pop.	Erect Plants
		-------- bu/acre --------			no.	lb	rating	%	no.	%
Terral-REV™	25R19™	**214.8**	**206.2**	.	112	0.38	1.4	17.0	28529	100
Croplan Genetics	7131 VT3	**204.0**	**193.7**	**206.9**	109	0.41	1.6	17.7	26681	100
NK Brand	N77P 3111	**194.2**	.	.	112	0.41	1.1	16.4	24176	100
Pioneer	P1456HR	**190.2**	**190.7**	.	112	0.35	1.8	14.8	26898	100
NK Brand	N72F 3000GT	**185.2**	.	.	116	0.35	1.3	17.0	25483	100
Dyna-Gro	D55Q80	183.2	.	.	108	0.34	1.5	17.4	28641	100
DeKalb	DKC64-69(GENVT3P)	182.9	**207.6**	.	104	0.40	1.4	15.8	24611	100
Dyna-Gro	57N73	181.3	**201.7**	**207.9**	114	0.37	1.1	16.0	24612	100
Terral-REV™	25HR49™	178.0	**179.4**	**193.7**	105	0.39	1.6	16.8	25047	100
DeKalb	DKC65-19	178.0	.	.	113	0.36	1.3	14.7	24503	100
Southern States	SS 684 GENSS	167.6	.	.	110	0.34	1.3	16.1	25592	100
Terral-REV™	25HR39™	165.7	**169.4**	**190.8**	104	0.36	1.3	16.5	24938	100
Dyna-Gro	57V59	165.1	.	.	115	0.34	1.8	14.7	23631	100
AgraTech	1777	143.7	.	.	111	0.35	1.5	16.0	20909	100
Average		181.0[4]	192.7	199.8	110	0.37	1.4	16.2	25304	100
LSD at 10% Level		31.2	N.S.[5]	N.S.	7	N.S.	N.S.	N.S.	2333	-
Std. Err. of Entry Mean		13.1	8.8	7.8	3	0.02	0.1	0.8	979	-

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 14.5%, and df for EMS = 39.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Planted: April 28, 2011.
Harvested: September 1, 2011.
Seeding Rate: 30,000 seeds/acre in 30" rows.
Soil Type: Rome gravelly clay loam.
Soil Test: P = Very High, K = High, and pH = 6.0.
Fertilization: 124 lb N, 104 lb P_2O_5, and 280 lb K_2O/acre as preplant; 200 lb N/acre as sidedress.
Previous Crop: Soybeans.
Management: Subsoiled, moldboard plowed, disked and rototilled; Callisto, Accent and one cultivation used for weed control; irrigated 11 inches.

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

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

Company or Brand Name	Hybrid Name	Yield[1] 2011	Yield[1] 2-Yr Avg	Yield[1] 3-Yr Avg	Ears/ 100 Plants	Ear Grain Wt.	Grain Quality[2]	Grain Moist.[3]	Plant Pop.	Erect Plants
		-------- bu/acre --------			no.	lb	rating	%	no.	%
Pioneer	P2023HR	**221.1**	**200.1**	.	112	0.40	1.4	18.3	28596	100
AgraTech	825 VT3 PRO	**209.2**	.	.	110	0.36	1.1	17.0	29948	100
MC	MCT-6751	**208.1**	.	.	114	0.40	1.4	15.8	25701	100
Terral-REV™	26HR82™	**204.3**	.	.	113	0.39	1.8	18.1	27007	100
DeKalb	DKC68-05(GENVT3P)	**196.8**	**195.5**	.	112	0.36	1.4	17.5	28096	100
Dyna-Gro	D58VP30	**193.8**	.	.	110	0.40	1.1	17.1	25592	100
Pioneer	P2088HR	193.1	.	.	108	0.39	1.8	18.0	26789	100
Dyna-Gro	D56VP24	192.6	**198.3**	.	116	0.38	1.3	17.4	25374	100
DeKalb	DKC66-96(GENVT3P)	190.3	**191.8**	.	112	0.33	1.1	14.4	28641	100
Croplan Genetics	8505 VT3 PRO	190.0	.	.	114	0.39	1.1	16.8	24285	100
Terral-REV™	27HR32™	189.6	.	.	111	0.36	1.3	16.8	27225	100
NK	N82V3000GT	188.0	**189.8**	201.6	108	0.39	1.3	19.2	26354	100
Golden Acres	27V01	187.5	**199.3**	.	108	0.36	1.3	16.1	27443	100
Terral-REV™	27HR52™	184.5	.	.	99	0.44	1.6	17.1	24829	100
Croplan Genetics	851 VT3 PRO	183.7	.	.	109	0.34	1.3	18.0	28314	100
Terral-REV™	26HR22™	183.0	.	.	110	0.37	1.8	16.8	25192	100
Pioneer	31P42(HX1 LL RR2)	180.0	**184.5**	.	106	0.41	1.4	17.8	24067	100
Southern States	SS 788 GENVT3PRO	176.6	.	.	120	0.34	1.1	15.6	24721	100
Southern States	SS 851 GENVT3PRO	173.6	.	.	108	0.34	1.3	16.3	26790	100
Dyna-Gro	D56VP10	167.5	.	.	118	0.29	1.5	14.5	27055	100
Dyna-Gro	D56VP69	166.4	.	.	109	0.37	1.5	17.2	23958	100
Dyna-Gro	D57GT60	158.3	.	.	110	0.32	1.4	14.9	25374	100
Croplan Genetics	8756 VT3	151.0	**175.8**	.	111	0.33	1.3	17.2	23631	100
Average		186.5[4]	191.9	201.6	111	0.37	1.4	16.9	26303	100
LSD at 10% Level		27.6	N.S.[5]	-	N.S.	0.05	N.S.	1.2	2752	-
Std. Err. of Entry Mean		11.7	7.4	-	4	0.02	0.1	0.6	1166	-

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 12.6%, and df for EMS = 66.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Planted: April 26, 2011.
Harvested: September 1, 2011.
Seeding Rate: 30,000 seeds/acre in 30" rows.
Soil Type: Rome gravelly clay loam.
Soil Test: P = Very High, K = High, and pH = 6.0.
Fertilization: 124 lb N, 104 lb P_2O_5, and 280 lb K_2O/acre as preplant; 200 lb N/acre as sidedress.
Previous Crop: Soybeans.
Management: Subsoiled, moldboard plowed, disked and rototilled; Callisto, Accent and one cultivation used for weed control; irrigated 11 inches.

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

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

Company or Brand Name	Hybrid Name	Yield[1] 2011	Yield[1] 2-Yr Avg	Yield[1] 3-Yr Avg	Ears/ 100 Plants	Ear Grain Wt.	Grain Quality[2]	Grain Moist.[3]	Plant Pop.	Erect Plants
		-------- bu/acre --------			no.	lb	rating	%	no.	%
Pioneer	P1456HR	**317.1**	**273.2**	.	110	0.53	1.3	16.0	.	100
Terral-REV™	25HR49™	**316.1**	**269.9**	**255.6**	103	0.54	1.9	16.3	.	100
Terral-REV™	25R19™	**304.5**	**272.4**	.	101	0.55	1.3	15.8	.	97
Terral-REV™	25HR39™	**299.1**	**262.1**	**253.9**	106	0.55	1.1	15.8	.	100
AgraTech	1777	284.0	.	.	106	0.52	1.3	16.1	.	100
NK Brand	N77P 3111	281.0	.	.	105	0.52	1.3	17.2	.	100
Southern States	SS 684 GENSS	280.5	.	.	103	0.51	1.6	15.3	.	100
NK Brand	N72F 3000GT	279.9	.	.	111	0.53	1.6	16.3	.	100
Croplan Genetics	7131 VT3	278.4	234.6	222.7	111	0.46	1.8	16.0	.	97
Dyna-Gro	D55Q80	274.7	.	.	104	0.51	1.3	17.2	.	100
DeKalb	DKC64-69(GENVT3P)	269.8	245.9	.	102	0.53	1.4	16.1	.	97
DeKalb	DKC65-19	262.4	.	.	102	0.47	1.1	15.5	.	100
Dyna-Gro	57V59	255.0	221.0	.	105	0.45	1.6	15.0	.	100
Average		284.8[4]	254.1	244.1	105	0.51	1.4	16.0	.	99
LSD at 10% Level		30.1	12.6	12.0	4	0.05	N.S.[5]	0.3		N.S.
Std. Err. of Entry Mean		12.6	5.2	4.9	2	0.02	0.1	0.1		1

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 8.9%, and df for EMS = 36.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Planted: May 3, 2011.
Harvested: November 1, 2011.
Population: Plots thinned to 33,000 plants/acre in 30" rows.
Soil Type: Suches loam.
Soil Test: P = High, K = High, and pH = 6.4.
Fertilization: 100 lb N, 87 lb P_2O_5, and 59 lb K_2O/acre as preplant; 136 lb N/acre as sidedress.
Previous Crop: Soybeans.
Management: Moldboard plowed, disked and rototilled; Eradicane, Accent, Callisto and two cultivations used for weed control.

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

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

Company or Brand Name	Hybrid Name	Yield[1] 2011	Yield[1] 2-Yr Avg	Yield[1] 3-Yr Avg	Ears/ 100 Plants	Ear Grain Wt.	Grain Quality[2]	Grain Moist.[3]	Plant Pop.	Erect Plants
		-------- bu/acre --------			no.	lb	rating	%	no.	%
Pioneer	P2023HR	**350.5**	**291.8**	.	104	0.61	2.3	17.1	.	100
Terral-REV™	27HR32™	**328.4**	.	.	106	0.57	2.0	16.1	.	100
Pioneer	P2088HR	**327.5**	.	.	104	0.61	2.1	17.6	.	100
Terral-REV™	26HR22™	**327.3**	.	.	103	0.61	2.0	15.8	.	100
NK	N82V3000GT	324.2	274	262.1	101	0.61	1.4	16.8	.	99
Terral-REV™	27HR52™	317.2	.	.	101	0.58	2.5	16.7	.	100
Croplan Genetics	8756 VT3	314.3	251.0	.	107	0.54	1.0	17.0	.	84
Terral-REV™	26HR82™	311.9	.	.	108	0.56	2.3	16.8	.	100
Pioneer	31P42(HX1 LL RR2)	309.0	269.2	.	106	0.56	1.9	16.8	.	100
Croplan Genetics	851 VT3 PRO	304.8	.	.	102	0.55	1.6	15.9	.	100
AgraTech	825 VT3 PRO	304.4	.	.	105	0.52	1.3	15.4	.	100
Dyna-Gro	D56VP24	286.9	242.5	.	100	0.53	1.4	15.6	.	100
MC	MCT-6751	281.0	.	.	113	0.47	1.6	16.4	.	100
DeKalb	DKC66-96(GENVT3P)	274.5	233.5	.	110	0.48	1.4	15.5	.	100
Southern States	SS 851 GENVT3PRO	270.6	.	.	104	0.51	1.1	16.1	.	99
Croplan Genetics	8505 VT3 PRO	270.3	.	.	109	0.50	1.3	15.3	.	100
DeKalb	DKC68-05(GENVT3P)	264.6	226	.	111	0.47	1.5	16.2	.	100
Golden Acres	27V01	254.3	227.2	.	103	0.53	1.6	15.8	.	100
Southern States	SS 788 GENVT3PRO	243.0	.	.	107	0.52	1.6	15.4	.	99
Average		298.1[4]	251.9	262.1	105	0.54	1.7	16.2	.	99
LSD at 10% Level		25.3	14.0	-	N.S.[5]	0.05	0.3	0.3		3
Std. Err. of Entry Mean		10.7	5.8	-	3	0.02	0.2	0.1		1

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 7.2%, and df for EMS = 54.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Planted: May 3, 2011.
Harvested: November 1, 2011.
Population: Plots thinned to 32,000 plants/acre in 30" rows.
Soil Type: Suches loam.
Soil Test: P = High, K = High, and pH = 6.4.
Fertilization: 100 lb N, 87 lb P_2O_5, and 59 lb K_2O/acre as preplant; 136 lb N/acre as sidedress.
Previous Crop: Soybeans.
Management: Moldboard plowed, disked and rototilled; Eradicane, Accent, Callisto and two cultivations used for weed control.

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

Silage Test Results

Summary of Evaluations of Corn Hybrids for Silage
Blairsville, Calhoun, Griffin, and Tifton, Georgia, 2011

Company or Brand Name	Hybrid Name	Quality Factors* Milk Production lbs/ton DM	Milk Production lbs/acre	Grain Portion	Dry Matter Yield Statewide Average	Blairsville	Calhoun	Griffin	Tifton
				%	---------- tons/acre ----------				
Short -Season									
AgraTech	1777			50	.	.	.	.	11.9
Dyna-Gro	57N73			54	10.5	11.3	**9.6**	9.3	11.7
Dyna-Gro	D55Q80			52	10.2	10.1	8.9	**9.7**	12.1
MC	MC-6580			53	10.0	11.9	7.9	8.4	11.8
Mycogen	F2F 700			51	9.0	9.6	8.5	7.6	10.2
Mycogen	TMF 2L872			46	.	.	.	.	**13.4**
Pioneer	33F87(HX1 LL RR2)			56	10.5	**12.6**	8.7	8.9	11.8
T. A. Seeds	TA765-00			51	.	.	.	.	12.9
T. A. Seeds	TA780-13V			53	.	.	.	.	12.3
Average				*52*	*10.0*	*11.1*	*8.7*	*8.8*	*12.0*
Mid-Season									
AgraTech	993			43	11.7	**13.1**	9.2	**10.3**	**14.3**
AgraTech	1022 RR			38	.	.	.	.	12.6
AgraTech	999aRR			47	11.1	12.1	**10.2**	**10.0**	12.2
Croplan Genetics	8221 VT3			47	10.7	10.7	**10.0**	**10.4**	11.7
Croplan Genetics	851 VT3 PRO			53	10.4	8.2	**9.7**	**10.2**	**13.7**
DeKalb	DKC67-21(GENVT3P)			55	10.9	**13.0**	8.6	9.3	12.6
DeKalb	DKC67-88(GENVT3P)			54	11.6	**13.9**	8.6	**10.4**	**13.3**
Dyna-Gro	D56VP24			51	10.6	11.6	9.3	**10.7**	10.6
Dyna-Gro	D56VP69			53	.	.	8.1	**10.0**	12.4
Dyna-Gro	D57GT60			54	.	.	9.1	8.9	12.1
Dyna-Gro	D58VP30			53	.	.	**11.2**	**10.0**	**13.2**
Golden Acres	27V01			57	10.7	10.7	8.5	**10.4**	13.1
Greenwood	3280 RR			47	11.2	**12.9**	**9.8**	**10.1**	11.8
Greenwood	GW 3515 RR			53	10.1	10.8	8.3	9.2	12.2
MC	MC-590			53	10.2	12.0	8.2	9.5	11.1
MC	MC-630			54	.	.	.	.	12.7
Mycogen	TMF2H918RR			46	10.4	12.0	9.4	**9.9**	10.2
Pioneer	31P42(HX1 LL RR2)			52	11.3	**12.9**	**10.2**	9.5	12.5
Pioneer	31Y42(RR2)			53	.	.	.	.	**13.4**
Pioneer	P2023HR			56	**12.6**	**14.2**	**11.1**	**10.5**	**14.8**
Pioneer	P2088HR			56	**11.9**	**13.4**	**9.6**	**10.4**	**14.3**
Southern States	SS 787 GENVT3PRO			54	10.2	11.6	**9.8**	8.9	10.7
Southern States	SS 788 GENVT3PRO			54	.	.	.	.	12.1
Southern States	SS 818 GENVT3PRO			50	10.8	**13.9**	9.1	8.6	11.7
T. A. Seeds	TA778-28			50	.	.	.	.	10.8
T. A. Seeds	TA790-19			53	.	.	.	.	11.4
Average				*51*	*11.0*	*12.2*	*9.4*	*9.9*	*12.4*
Overall test averages and statistics:									
Average				51	10.8	11.9	9.3	9.6	12.3
LSD at 10% Level				3	0.8	1.8	1.6	1.1	1.6
Std. Err. of Entry Mean				1	0.3	0.8	0.7	0.5	0.7

* Corn silage samples have been sent to the laboratory for quality analysis. Results of those samples will be sent out and added to the Statewide Variety Testing web site (www.swvt.uga.edu) when received from the laboratory.

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, 2011, Irrigated

Company or Brand Name	Hybrid Name	Forage Yield Dry	Forage Yield Green	Dry Matter	Grain Portion	Plant Population	2-Yr Avg Dry Forage Yield
		tons/acre		%	%	no.	tons/acre
Short-Season							
Mycogen	TMF 2L872	**13.4**	**32.2**	41.5	46	29621	.
T. A. Seeds	TA765-00	12.9	**29.4**	44.7	51	30928	.
T. A. Seeds	TA780-13V	12.3	26.0	47.9	53	29839	.
Dyna-Gro	D55Q80	12.1	25.9	46.5	52	29839	.
AgraTech	1777	11.9	24.8	49.0	50	28750	**13.5**
Pioneer	33F87(HX1 LL RR2)	11.8	24.8	47.9	56	30274	**13.9**
MC	MC-6580	11.8	25.5	46.4	53	29403	.
Dyna-Gro	57N73	11.7	26.0	45.9	54	30710	**13.3**
Mycogen	F2F 700	10.3	22.1	46.4	51	31364	.
Average		*12.0*	*26.3*	*46.2*	*52*	*30081*	*13.6*
Mid-Season							
Pioneer	P2023HR	**14.8**	**31.4**	47.4	56	33106	**14.3**
Pioneer	P2088HR	**14.3**	**33.0**	43.5	56	31363	.
AgraTech	993	**14.3**	**30.0**	49.6	43	29185	.
Croplan Genetics	851 VT3 PRO	**13.7**	29.1	47.2	53	27225	.
Pioneer	31Y42(RR2)	**13.4**	27.9	48.4	53	30710	**14.3**
DeKalb	DKC67-88(GENVT3P)	**13.3**	26.1	51.2	54	32235	**14.0**
Dyna-Gro	D58VP30	**13.2**	25.2	52.4	53	31146	.
Golden Acres	27V01	13.1	27.9	47.0	57	32017	12.7
MC	MC-630	12.8	**29.9**	42.8	54	29838	.
DeKalb	DKC67-21(GENVT3P)	12.6	24.3	52.7	55	30492	.
AgraTech	1022 RR	12.6	**29.7**	42.6	38	26858	.
Pioneer	31P42(HX1 LL RR2)	12.5	**29.7**	42.1	52	28532	**13.1**
Dyna-Gro	D56VP69	12.4	24.1	52.1	53	31145	.
AgraTech	999aRR	12.2	27.6	44.2	47	27879	**13.3**
Greenwood	GW 3515 RR	12.2	25.8	47.9	53	30710	12.9
Dyna-Gro	D57GT60	12.1	24.8	49.6	54	27878	.
Southern States	SS 788 GENVT3PRO	12.1	24.9	48.7	54	28968	.
Greenwood	3280 RR	11.8	22.3	52.8	47	32017	.
Southern States	SS 818 GENVT3PRO	11.7	25.0	47.3	50	30492	.
Croplan Genetics	8221 VT3	11.7	24.6	47.7	47	30710	.
T. A. Seeds	TA790-19	11.4	24.6	46.3	53	29403	.
MC	MC-590	11.1	26.4	42.5	53	29838	12.7
T. A. Seeds	TA778-28	10.8	22.4	49.3	50	30057	.
Southern States	SS 787 GENVT3PRO	10.7	22.2	48.6	54	30274	.
Dyna-Gro	D56VP24	10.6	22.5	47.6	51	31799	.
Mycogen	TMF2H918RR	10.2	**29.7**	34.3	46	33324	11.3
Average		*12.4*	*26.6*	*47.1*	*51*	*30277*	*13.2*
Overall test averages and statistics:							
Average		12.3	26.5	46.9	51	30226	13.3
LSD at 10% Level		1.6	3.8	4.5	3	2510	1.3
Std. Err. of Entry Mean		0.7	1.6	1.9	1	1034	0.8

Tifton, Georgia:
Evaluation of Corn Hybrids for Silage, 2011, Irrigated (Continued)

1. CV = 10.9%, and df for EMS = 102.
2. CV = 12.8%, and df for EMS = 102.

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

Planted:	March 24, 2011.
Harvested:	July 20, 2011.
Seeding Rate:	33,500 seeds/acre in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = High, K = Medium, and pH = 6.8.
Fertilization:	68 lb N, 130 lb P_2O_5, and 200 lb K_2O/acre as preplant; 227 lb N/acre as sidedress.
Previous Crop:	Soybeans.
Management:	Disked, subsoiled and bedded; Razencane, Atrazine, Prowl and Accent used for weed control; Telone II used for nematode control; irrigated 18 inches.

Test conducted by A. Coy, R. Brooke and D. Dunn.

Griffin, Georgia:
Evaluation of Corn Hybrids for Silage, 2011, Irrigated

Company or Brand Name	Hybrid Name	Forage Yield Dry	Forage Yield Green	Dry Matter	Grain Portion	Plant Population	2-Yr Avg Dry Forage Yield
		tons/acre		%	%	no.	tons/acre
Short-Season							
Dyna-Gro	D55Q80	**9.8**	19.5	50.3	47	32054	.
Dyna-Gro	57N73	9.2	19.9	46.6	45	32428	**11.5**
Pioneer	33F87(HX1 LL RR2)	8.9	18.5	48.1	47	32054	9.3
MC	MC-6580	8.4	17.2	48.9	45	31218	.
Mycogen	F2F 700	7.6	14.9	51.3	45	33396	.
Average		*8.8*	*18*	*49*	*46*	*32230*	*10.4*
Mid-Season							
Dyna-Gro	D56VP24	**10.7**	21.6	50.0	49	32176	.
Pioneer	P2023HR	**10.5**	21.2	49.7	51	31327	**11.5**
DeKalb	DKC67-88(GENVT3P)	**10.5**	**22.2**	47.1	45	34414	**11.7**
Croplan Genetics	8221 VT3	**10.4**	21.6	48.2	40	31702	.
Pioneer	P2088HR	**10.4**	**24.2**	43.2	47	31994	.
Golden Acres	27V01	**10.4**	**22.5**	46.5	50	33667	**11.4**
AgraTech	993	**10.3**	**22.6**	45.8	41	33396	.
Croplan Genetics	851 VT3 PRO	**10.2**	20.6	49.6	49	33263	.
Greenwood	3280 RR	**10.1**	19.9	50.9	41	33154	.
AgraTech	999aRR	**10.0**	20.3	49.3	45	29524	**10.8**
Dyna-Gro	D56VP69	**10.0**	19.6	51.2	43	32186	.
Dyna-Gro	D58VP30	**10.0**	20.8	48.0	46	32670	.
Mycogen	TMF2H918RR	**9.9**	20.7	48.2	43	29795	**11.4**
MC	MC-590	9.5	19.5	48.6	48	31218	**11.3**
Pioneer	31P42(HX1 LL RR2)	9.5	19.9	47.8	43	30250	**10.5**
DeKalb	DKC67-21(GENVT3P)	9.3	20.5	45.7	44	32428	.
Greenwood	GW 3515 RR	9.2	20.2	46.2	47	32428	10.2
Dyna-Gro	D57GT60	8.9	17.2	52.2	43	30492	.
Southern States	SS 787 GENVT3PRO	8.9	15.7	56.4	45	33359	.
Southern States	SS 818 GENVT3PRO	8.6	18.5	46.6	43	31944	.
Average		*9.9*	*20.5*	*48.6*	*45*	*32069*	*11.1*
Overall test averages and statistics:							
Average		9.6 [1]	20.0 [2]	48.7	45	32101	11.0
LSD at 10% Level		1.1	2.2	2.9	5	2202	1.3
Std. Err. of Entry Mean		0.5	0.9	1.2	2	934	0.5

1. CV = 9.8%, and df for EMS = 72.
2. CV = 9.2%, and df for EMS = 72.

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

Planted: April 11, 2011.
Harvested: August 18, 2011.
Seeding Rate: 34,500 seeds/acre in 30" rows.
Soil Type: Pacolet sandy loam.
Soil Test: P = Medium, K = High, and pH = 5.9.
Fertilization: 75 lb N, 150 lb P_2O_5, and 225 lb K_2O/acre as preplant; 200 lb N/acre as sidedress.
Previous Crop: Wheat.
Management: Moldboard plowed, disked and rototilled; Lasso, Atrazine and one cultivation used for weed control; irrigated 11 inches.

Test conducted by J. Gassett and G. Ware.

Calhoun, Georgia:
Evaluation of Corn Hybrids for Silage, 2011, Irrigated

Company or Brand Name	Hybrid Name	Forage Yield Dry	Forage Yield Green	Dry Matter	Grain Portion	Plant Population	2-Yr Avg Dry Forage Yield
		tons/acre		%	%	no.	tons/acre
Short-Season							
Dyna-Gro	57N73	**9.6**	**22.1**	44.4	47	28533	9.2
Dyna-Gro	D55Q80	9.0	17.2	53.3	51	29791	.
Pioneer	33F87(HX1 LL RR2)	8.7	18.3	47.4	51	27879	8.3
Mycogen	F2F 700	8.5	16.9	50.6	45	29621	.
MC	MC-6580	7.9	18.9	41.6	49	26136	.
Average		*8.7*	*18.7*	*47.5*	*49*	*58392*	*8.8*
Mid-Season							
Dyna-Gro	D58VP30	**11.2**	**21.6**	52.0	51	27968	.
Pioneer	P2023HR	**11.1**	**21.3**	52.4	44	27225	**10.8**
Pioneer	31P42(HX1 LL RR2)	**10.3**	**22.5**	45.7	45	26136	**9.9**
AgraTech	999aRR	**10.2**	**21.4**	48.3	43	26354	**10.0**
Croplan Genetics	8221 VT3	**10.0**	**24.9**	40.8	44	28968	.
Greenwood	3280 RR	**9.9**	**21.6**	46.3	42	28805	.
Southern States	SS 787 GENVT3PRO	**9.8**	17.1	57.8	51	30553	.
Croplan Genetics	851 VT3 PRO	**9.7**	18.0	54.9	50	29391	.
Pioneer	P2088HR	**9.6**	18.4	52.5	48	26016	.
Mycogen	TMF2H918RR	9.5	20.2	46.9	42	25919	**10.0**
Dyna-Gro	D56VP24	9.3	16.3	57.9	53	27443	.
AgraTech	993	9.3	**22.1**	42.7	38	28314	.
Dyna-Gro	D57GT60	9.1	17.8	51.8	50	27177	.
Southern States	SS 818 GENVT3PRO	9.1	19.4	47.0	44	25483	.
DeKalb	DKC67-88(GENVT3P)	8.7	17.2	51.6	48	28532	9.2
DeKalb	DKC67-21(GENVT3P)	8.6	15.1	57.3	49	28095	.
Golden Acres	27V01	8.5	19.3	44.2	50	26790	8.5
Greenwood	GW 3515 RR	8.3	19.1	43.3	51	27225	7.7
MC	MC-590	8.2	16.0	52.1	52	28750	8.5
Dyna-Gro	D56VP69	8.1	13.5	60.8	52	24394	.
Average		*9.4*	*19.1*	*50.3*	*47*	*27477*	*9.3*
Overall test averages and statistics:							
Average		9.3 [1]	19.0 [2]	49.7	48	27660	9.2
LSD at 10% Level		1.6	4.0	6.2	3	2732	1.1
Std. Err. of Entry Mean		0.7	1.7	2.7	1	1159	0.5

1. CV = 15.1%, and df for EMS = 72.
2. CV = 17.8%, and df for EMS = 72.

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

Planted: April 26, 2011.
Harvested: August 23, 2011.
Seeding Rate: 31,000 seeds/acre in 30" rows.
Soil Type: Rome gravelly clay loam.
Soil Test: P = Very High, K = High, and pH = 6.0.
Fertilization: 124 lb N, 104 lb P_2O_5, and 280 lb K_2O/acre as preplant; 200 lb N/acre as sidedress.
Previous Crop: Soybeans.
Management: Subsoiled, moldboard plowed, disked and rototilled; Callisto, Accent and one cultivation used for weed control; irrigated 11 inches.

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

Blairsville, Georgia:
Evaluation of Corn Hybrids for Silage, 2011, Nonirrigated

Company or Brand Name	Hybrid Name	Forage Yield Dry	Forage Yield Green	Dry Matter	Grain Portion	Plant Population	2-Yr Avg Dry Forage Yield
		tons/acre		%	%	no.	tons/acre
Short-Season							
Pioneer	33F87(HX1 LL RR2)	**12.6**	29.1	43.4	50	.	11.7
MC	MC-6580	11.9	32.0	36.9	54	.	.
Dyna-Gro	57N73	11.3	31.7	35.9	52	.	10.9
Dyna-Gro	D55Q80	10.2	31.5	32.1	50	.	.
Mycogen	F2F 700	9.7	22.5	42.9	52	.	.
Average		*11.1*	*29.4*	*28.2*	*52*	.	*11.3*
Mid-Season							
Pioneer	P2023HR	**14.2**	**40.5**	35.2	51	.	**13.3**
DeKalb	DKC67-88(GENVT3P)	**13.9**	30.9	45.0	50	.	**12.7**
Southern States	SS 818 GENVT3PRO	**13.9**	32.3	43.2	46	.	.
Pioneer	P2088HR	**13.4**	**40.4**	33.4	50	.	.
AgraTech	993	**13.1**	34.6	37.8	40	.	.
DeKalb	DKC67-21(GENVT3P)	**13.0**	28.5	45.8	53	.	.
Pioneer	31P42(HX1 LL RR2)	**12.9**	32.1	40.1	50	.	12.0
Greenwood	3280 RR	**12.9**	30.3	42.3	50	.	.
AgraTech	999aRR	12.1	31.6	38.3	43	.	11.8
Mycogen	TMF2H918RR	12.0	35.2	34.2	44	.	12.0
MC	MC-590	12.0	31.1	39.3	51	.	11.1
Dyna-Gro	D56VP24	11.7	29.5	39.4	56	.	.
Southern States	SS 787 GENVT3PRO	11.6	30.5	38.3	51	.	.
Greenwood	GW 3515 RR	10.8	31.2	34.8	52	.	9.9
Golden Acres	27V01	10.7	30.9	35.0	56	.	10.4
Croplan Genetics	8221 VT3	10.7	30.5	35.4	49	.	.
Croplan Genetics	851 VT3 PRO	8.1	29.3	28.1	52	.	.
Average		*12.2*	*32.3*	*38.0*	*50*	.	*11.6*
Overall test averages and statistics:							
Average		11.9 [1]	31.6 [2]	38.0	50	.	11.6
LSD at 10% Level		1.8	3.2	5.6	4		1.0
Std. Err. of Entry Mean		0.8	1.3	2.4	2		0.4

1. CV = 12.8%, and df for EMS = 63.
2. CV = 8.5%, and df for EMS = 63.

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

Planted: May 3, 2011.
Harvested: September 14, 2011.
Population: Plots thinned to 33,000 plants/acre in 30" rows.
Soil Type: Suches loam.
Soil Test: P = High, K = High, and pH = 6.4.
Fertilization: 100 lb N, 87 lb P_2O_5, and 59 lb K_2O/acre as preplant; 136 lb N/acre as sidedress.
Previous Crop: Soybeans.
Management: Moldboard plowed, disked and rototilled; Dual II Magnum, Accent, Callisto and two cultivations used for weed control.

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

Insect Screening Results

Resistance to Multiple Ear-Feeding Insects in 65 Commercial Corn Hybrids – 2011

Xinzhi Ni and G. David Buntin

Sixteen of the 65 hybrids examined in 2011 have shown the best in ear-and kernel-feeding insect resistance (as indicated in the following table). Thirteen of the hybrids have been developed utilizing YieldGard VecTran Triple technology (abbreviated as VT3 or VT3P). The hybrids with VT3 only contain the YieldGard-corn borer gene, while the hybrids with VT3PRO contain a stack of YGCB and the new Cry2A gene.

Insect damage was relatively low in 2011, and 5 ear- and/or kernel-feeding insects in the order of infestation severity are: corn earworm and fall armyworm, sap beetles, pink scavenger caterpillar, and low level of maize weevil infestation. Multiple species of sap beetles were also recorded in 2011. Also, stink bug damage in 2011 was lowest in five years, which was lower than 1% (ranging between 0 and 0.8%) of the kernels per ear. The highest percentage of stink bug-discolored kernels in the previous five years ranged between 1.5 and 5.6%.

The combined insect resistance rating shown in the following table reflected cob damage by the corn earworm and the fall armyworm, as well as kernel damage by the sap beetles and the pink scavenger caterpillar. The number of maize weevils on each sampled ear was also recorded. Multiple insect resistance was categorized in five groups according to the insect damage ratings on corn cobs and kernels; they are very good (VG), good (G), fair (F), poor (P) and very poor (VP). VG represents the lowest amount of insect damage, while VP represents the greatest amount of insect damage. Losses to pink scavenger caterpillar and sap beetles were based on damage by possibly multiple generations of these insects as the crop matures in the field. Corn earworm and fall armyworm damage was combined because the damage was difficult to separate, as was damage by sap beetles and pink scavenger caterpillars. Corn earworm and fall armyworm feeding penetration in corn ears was between 0 and 1.7 cm, which was lower than what we observed in 2010 (0.1 - 3.2 cm). Such low level of damage might be related to dry weather conditions with frequent irrigations, as shown in 2006 and 2007. Sap beetle damage was 0.1-1.9%, and pink scavenger caterpillar damage was 0-0.4% of the kernels in 2011. Maize weevil infestation at harvest with 16% kernel moisture was very low (0-2 weevils per ear). The most important insects were lepidopteran pests (that is, the corn earworm and the fall armyworm), which caused the greatest cob damage and kernel loss among all ear-feeding insects examined. Thus, the rankings of the 65 hybrids for their resistance to the key pests - corn earworm and fall armyworm are given in the following table. 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.

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 also examined in 2011. Husk tightness was assigned using a scale of 1 to 5, in which 1=very loose and 5=very tight. Because average rating for husk tightness was between 2.8 and 4.1, only loose (L), medium (M=2.8-3.4) and tight (T>3.5) ratings are given in the table. Husk extension was between 0.5 and 5.7 cm. Corn earworm damage was negatively correlated to husk extension, but not husk tightness in 2011. Some of the

transgenic corn hybrids showed poor overall insect resistance ratings with multiple insect damage ratings (such as corn earworm and sap beetles), which could be caused by the fact that transgenic events in these hybrids only confer resistance to one species but not to all species of the ear-feeding insects. This should be further examined.

Hybrids resistant to multiple insects are highly recommended for planting and are the most economical means, especially in late plantings, for reducing yield loss, as well as quality loss related to aflatoxin contamination. Consult with your county agent and/or Extension entomologists for additional control recommendations for a specific pest in your area.

All entries were planted at the UGA Gibbs Research Farm on April 7, 2011 and harvested on August 9 and 10, 2011, at kernel moisture of 16%. Plots were thinned to 20,000 plants per acre. Plots were maintained (that is, fertilization, herbicide application and request of irrigations) by Penny Tapp and Trevor Perla (USDA-ARS, Tifton, GA). The data were collected by Penny Tapp and Blake Edore (USDA-ARS, Tifton, GA) and Breanna Coursey and Jonathan Roberts (University of Georgia, Tifton, GA).

Tifton, Georgia:
Evaluation of Ear-Feeding Insect Resistance
in 65 Commercial Hybrids, 2011

Company or Brand Name	Hybrid Name[1]	Maturity[2]	Days to Anthesis	Husk Extension	Husk Tightness[3]	Overall Resistance to Insect Damage[4]	
						2011	2 or more years
				cm			
Southern States	SS 787 GENVT3PRO	M	53	4	M	VG	VG-
NK Brand	N77P 3111	S	56	2	M	VG	.
T. A. Seeds	TA778-28	M	55	3	M	VG	.
Croplan Genetics	8505 VT3 PRO	M	55	5	M	VG	VG-
AgraTech	825 VT3 PRO	M	55	6	M	VG	.
Southern States	SS 684 GENSS	S	54	3	T	VG	.
Dyna-Gro	D58VP30	M	55	6	M	VG	.
Dyna-Gro	D56VP10	M	53	3	T	VG	.
Dyna-Gro	D56VP69	M	55	2	M	VG	.
Southern States	SS 851 GENVT3PRO	M	54	5	T	VG	.
DeKalb	DKC66-96(GENVT3P)	M	54	3	M	VG	VG-
NK Brand	N82V 3000GT	M	54	3	M	VG	.
Mycogen	2V738	S	55	1	M	VG	.
DeKalb	DKC67-57	M	53	1	T	VG	.
T. A. Seeds	TA717-20	S	55	2	T	VG	.
Southern States	SS 788 GENVT3PRO	M	54	3	T	VG	.
Terral-REV™	25HR39™	S	57	3	M	G	F
Pioneer	P2088HR	M	56	2	M	G	G
AgraTech	815CBLL	M	55	2	T	G	G-
Croplan Genetics	8410 VT3 PRO	M	55	2	M	G	.
Mycogen	2T784	S	55	3	T	G	.
T. A. Seeds	TA780-13V	S	56	3	T	G	.
DeKalb	DKC69-29	M	53	4	T	G	.
Croplan Genetics	8756 VT3	M	59	2	M	G	G
Terral-REV™	27HR52™	M	56	1	M	G	.
Pioneer	31P42(HX1 LL RR2)	M	56	3	M	G	G-
Dyna-Gro	57V59	S	53	2	M	G	G-
Terral-REV™	25R19™	S	57	3	M	G	G
DeKalb	DKC65-19	S	53	1	M	G	.
NK Brand	N78S 3111	M	55	1	M	G	.
Croplan Genetics	7131 VT3	S	54	5	T	G	G
Terral-REV™	28HR29™	M	59	4	M	G	G-
Mycogen	2T832	S	57	3	M	G	.
AgraTech	1777	S	57	1	M	F	G
Terral-REV™	28HR30™	M	58	2	M	F	G
NK Brand	N79Z GTCBLL	S	54	1	M	F	.
DeKalb	DKC68-05(GENVT3P)	M	54	1	M	F	G
MC	MCT-6751	M	54	2	M	F	.
Terral-REV™	28HR20™	M	59	3	M	F	F+
Dyna-Gro	D56VP24	M	58	1	T	F	F-

Tifton, Georgia: Evaluation of Ear-Feeding Insect Resistance in 65 Commercial Hybrids, 2011 (Continued)

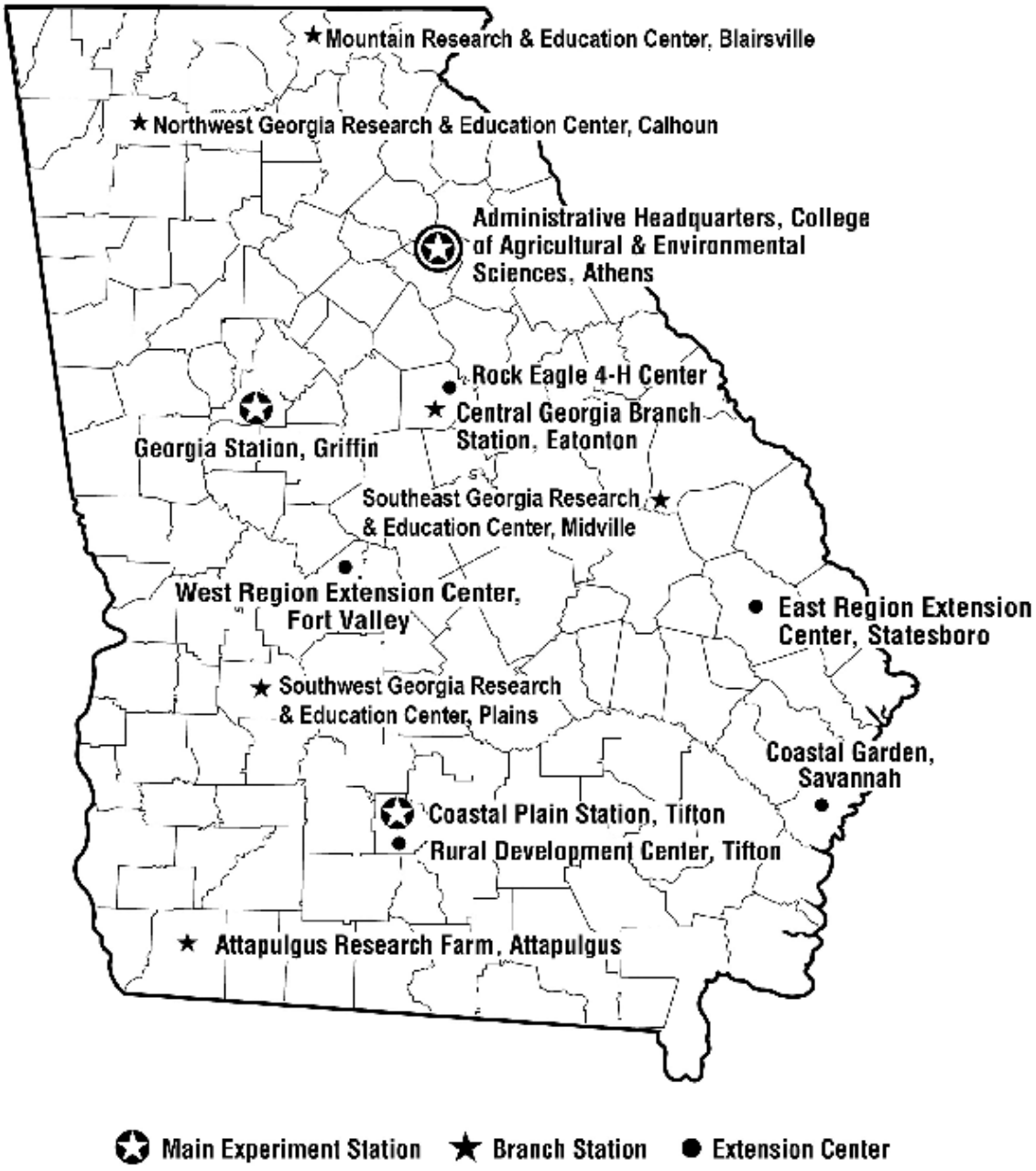
Company or Brand Name	Hybrid Name[1]	Maturity[2]	Days to Anthesis	Husk Extension	Husk Tightness[3]	Overall Resistance to Insect Damage[4]	
						2011	2 or more years
				cm			
T. A. Seeds	TA790-19	M	55	1	T	F	.
Pioneer	P2023HR	M	57	3	M	F	G
Pioneer	31D58	M	59	4	M	F	G-
Dyna-Gro	D55Q80	S	55	1	T	F	G-
Pioneer	P1814HR	M	56	1	M	F	G
T. A. Seeds	TA765-00	S	57	2	M	F	.
Pioneer	P1456HR	S	55	2	M	F	G
Terral-REV™	28R10™	M	56	3	M	F	G
Mycogen	2A787	S	54	3	T	F	.
Dyna-Gro	57N73	S	58	2	M	F	F+
Dyna-Gro	D57GT60	M	54	2	M	P	F
AgraTech	X793	M	56	2	M	P	.
Mycogen	2V715	S	55	1	T	P	.
Croplan Genetics	851 VT3 PRO	M	56	0	T	P	F-
Terral-REV™	27HR32™	M	57	2	M	P	.
Terral-REV™	26HR50™	M	57	2	M	P	F-
Terral-REV™	26HR22™	M	58	3	T	P	.
Golden Acres	27V01	M	58	1	M	P	F-
Greenwood	GW 3515 RR	M	58	2	T	P	F-
AgraTech	1801	M	56	2	T	P	P-
Southern States	SS 818 GENVT3PRO	M	55	3	M	P	.
NK Brand	N72F 3000GT	S	55	1	M	P	.
DeKalb	DKC64-69(GENVT3P)	S	53	1	M	P	P
Terral-REV™	25HR49™	S	56	2	M	P	F-
Terral-REV™	26HR82™	M	56	3	M	P	.

All data in this table were collected from four replications.

1. The bolded entries have been examined for insect resistance at Tifton, GA, for two or more years.
2. Maturity represent the hybrids were categorized as short (S) or medium (M) season maturity. Please note the Days to Anthesis (or flowering) data at Tifton, GA did not always support the categorization though.
3. L = loose husks, M = medium-tight husks, T = tight husks.
4. Categorization of insect resistance to key ear-feeding insects (i.e., the corn earworm and the fall armyworm, the stink bugs, and the pink scavenger caterpillars) was based on cluster analysis results. The data were collected from 20 ears (five ears per replication with four replications) per hybrid, where VG = very good, G = good, F = fair, P = poor, and VP = very poor. The + and - signs for the average rating represent the inconsistancy among years.

Sources of Seed for the 2011 Corn Hybrid Tests

Company or Brand Name	Seed Source
AgraTech	Grabow Seed Services, Inc., 6830 Lisa Lane, Dunwoody, GA 30338
Croplan Genetics	Winfield Solutions, P.O. Box 614, Midland City, AL 36350
DeKalb	Monsanto Company, 800 N. Lindberg Blvd., St. Louis, MO 63167
Dyna-Gro	Crop Production Services, 201 N. Bartow Street, Nashville, GA 31639
Golden Acres	Golden Acres Genetics, Ltd., P.O. Box 579, Buchanan Dam, TX 78609
Greenwood	Greenwood Hybrids, 8431 Davis Road, Laurel Hill, FL 32567
MC	Masters Choice, 3010 State Route 146 E., Anna, IL 62906
Mycogen	Mycogen Seed, P.O. Box 327, Sharptown, MD 21861
NK	Syngenta NK Brand Seeds, 13760 Appomattox Circle, Laurinburg, NC 28352
Pioneer	Pioneer Hi-Bred International, Inc., 700 Boulevard South, Suite 302, Huntsville, AL 35802
Southern States	Southern States Cooperative, Inc., 6606 West Broad Street, Richmond, VA 23230
T.A. Seeds	T.A. Seeds, P.O. Box 300, Avis, PA 17721.
Terral-REV™	Terral Seed, Inc., P.O. Box 826, Lake Providence, LA 71254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