UNIVERSITY OF GEORGIA
EXTENSION

2001 Corn Performance Tests

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Preface

In this research report, the results of the 2001 corn performance trials are presented. Corn performance trials were conducted at six locations throughout Georgia (see map below) and two locations in Florida in 2001. Short-season, mid-season and full-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, at Blairsville in the mountain region and at Quincy and Jay in the panhandle region of Florida. Hybrids used for silage were evaluated at Tifton, Griffin, Calhoun and Blairsville, Georgia, and at Quincy and Ona, Florida. Preliminary experimental hybrids were tested at Tifton only.

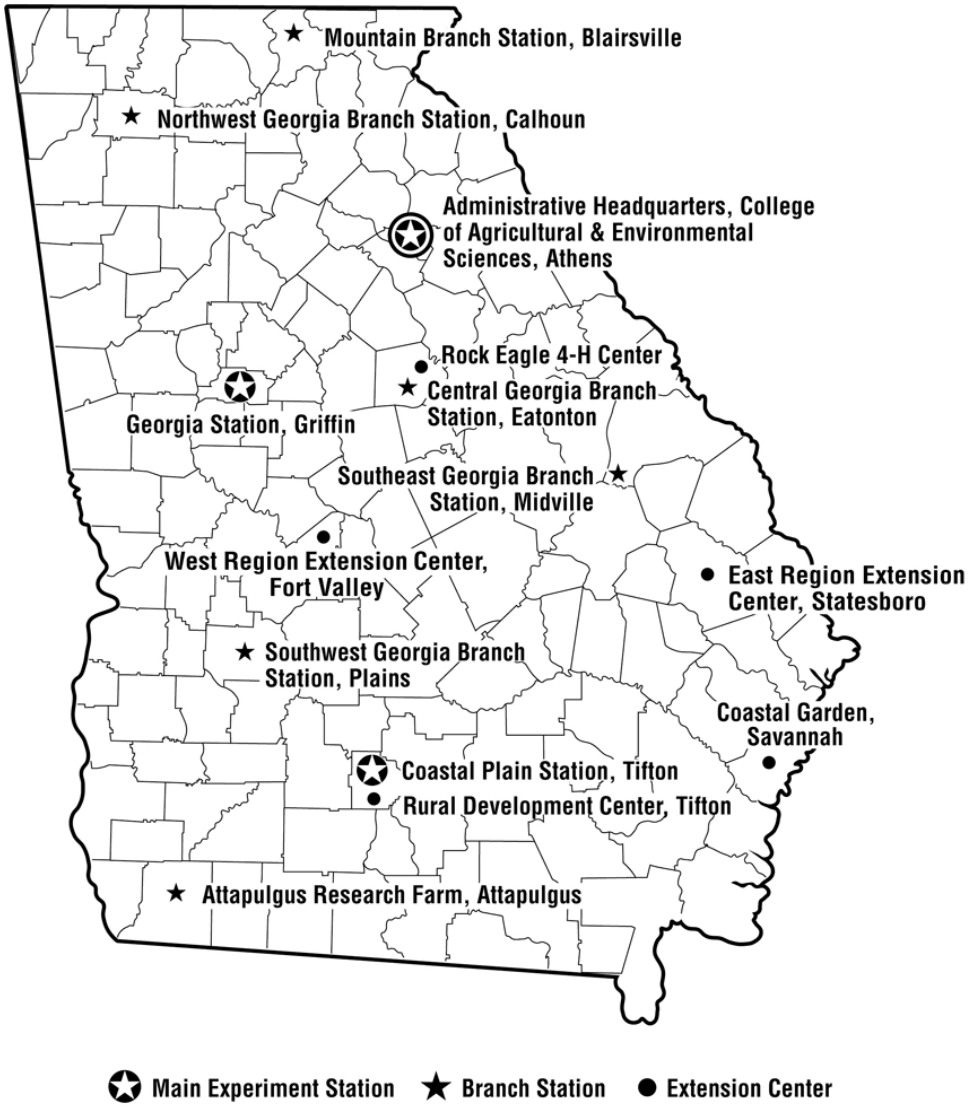
At each site, all plots within a maturity group were seeded at the rates specified and not thinned, and the populations at harvest are included in the tables. Information concerning fertilization and cultural practices used in each trial is included with the tables. Grain harvesting was done with a small plot combine, and yields were adjusted to 15.5 percent 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 (L.S.D.) at the 10 percent level has been included in the tables to aid in comparing hybrids. If the yields of any two hybrids differ by the L.S.D. value or more, 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 2000-2001 performance of agronomic crops in Georgia. For information concerning the performance of other crops, refer to one of the following research reports: *2000-2001 Small Grains Performance Tests,* Experiment Station Research Report #673; *2000-2001 Canola Performance Tests,* Experiment Station Research Report #674; *2000 Soybean, Sorghum Grain and Silage, Grain Millet, Sunflower and Summer Annual Forages Performance Tests,* Experiment Station Research Report #670; and *2000 Peanut, Corn and Tobacco Performance Tests,* Experiment Station Research Report #671.

This report, along with performance test information on other crops, is also available at our web site: **www.swvt.uga.edu**. Additional information may be obtained by writing Dr. Anton E. Coy, Crop and Soil Sciences Department, Coastal Plain Experiment Station, Tifton, GA 31793-0748 or J. LaDon Day, Crop and Soil Sciences Department, University of Georgia, Georgia Station, Griffin, GA 30223-1797.



The Season

The 2001 corn season was generally favorable for grain production. Wet soils in late March delayed planting in south Georgia. By mid-April, adequate moisture and above normal temperatures allowed emergence to be ahead of average. In May, normal daytime and below normal night-time temperatures favored corn growth except for above normal temperatures during the last week. Near normal temperatures and generally adequate moisture conditions allowed the crop to progress at a near average pace through June. Some areas continued to

receive good rainfall during July while others began to stress. Favorable conditions allowed maturity to progress at an average pace. Some areas in southwestern Georgia were affected by leaf diseases but, in general, plant health was good. Harvest and storage insect numbers were above average in some areas.

Soil moisture conditions during the season were more nearly normal than any year since 1997. Rainfall at the six Georgia and at the Quincy, Florida, corn variety test sites is listed below.

Growing Season Rainfall[1], 2001

Month	Blairsville	Calhoun[2]	Griffin	Midville	Plains	Tifton	Quincy, FL
	---------- inches ----------						
February	3.57	3.25	3.24	1.45	0.45	0.63	0.73
March	5.31	6.38	9.79	8.30	10.67	9.95	9.91
April	1.88	2.05	3.23	1.44	2.39	1.69	1.20
May	4.32	3.75	2.65	2.09	1.33	1.51	1.10
June	8.69	5.36	5.46	4.00	11.57	6.95	12.42
July	3.28	2.86	1.51	1.55	3.70	3.42	5.24
August	3.11	2.54	1.53	1.74	2.65	1.84	5.61
September	6.33	2.54	1.18	3.26	4.98	3.11	7.65
Total (8 mo.)	*36.49*	*28.73*	*28.59*	*23.83*	*37.74*	*29.10*	*43.86*
Normal (8 mo.)	*38.53*	*37.14*	*35.88*	*34.70*	*34.71*	*35.28*	-

[1] Data submitted by Dr. G. Hoogenboom, Georgia Station, Griffin, GA.
[2] Floyd County location.

Harvest proceeded a week behind average with generally good field conditions. Of the 280,000 planted acres, some 220,000 were harvested for a record estimated average yield of 126 bushels per acre. Total grain production for 2001 was 27.7 million bushels, an 18-percent decrease from 2000.

GRAIN TESTS RESULTS

Corn Hybrid Performance in the Coastal Plain

Coastal Plain Region, Georgia

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Summary of Corn Hybrid Performance, 2001
Coastal Plain Region of Georgia

Company or Brand Name	Variety	Yield					
		Coastal Plain Avg	Tifton Non-Irr.	Tifton Irr.	Plains Irr.	Midville Irr.	Irrigated Avg
		---------- bu/acre ----------					
Short-Season							
Pioneer	32R25	233.7	231.3	230.8	246.0	226.8	234.5
Pioneer	31G98	231.8	202.6	237.6	261.0	225.9	241.5
Pioneer	32H58	220.0	181.2	232.3	246.9	219.8	233.0
Dyna-Gro	5515	217.4	206.1	222.9	224.7	216.1	221.2
Southern States	SS781CL	216.1	198.4	219.4	237.1	209.4	222.0
AgraTech	1701	214.9	187.3	213.8	238.9	219.5	224.1
Zimmerman	1851W	211.9	194.1	212.6	225.3	215.7	217.9
Garst/AgriPro	9707	210.9	158.7	222.4	240.5	222.1	228.3
Garst/AgriPro	8222IT	210.3	171.2	217.7	230.5	221.7	223.3
Croplan Genetics	818	209.4	184.8	179.6	236.3	237.0	217.6
Pioneer	32k61	208.5	182.3	212.7	231.5	207.6	217.3
Dyna-Gro	5518RR	203.6	195.7	201.9	209.1	207.9	206.3
DeKalb	DKC65-25	203.2	169.6	194.8	248.7	199.9	214.5
Croplan Genetics	683	201.9	187.8	202.3	218.4	199.1	206.6
AgraTech	719	200.4	184.3	191.9	220.2	205.1	205.7
Croplan Genetics	721	200.0	181.8	173.2	241.7	203.5	206.1
Dyna-Gro	5516RR	198.9	179.0	200.1	216.6	200.0	205.6
Croplan Genetics	767RR	196.0	177.3	198.9	218.4	189.5	202.3
AgriPro	9843	195.9	161.1	184.5	238.5	199.8	207.6
DeKalb	DKC66-50	191.9	162.5	189.0	212.7	203.5	201.7
AgraTech	721RR	190.9	184.5	171.5	218.7	188.9	193.0
AgraTech	787	189.8	145.2	187.9	207.3	218.7	204.6
Garst	8251IT	186.5	161.5	186.0	209.1	189.6	194.9
Funk's G	.	.	169.9	193.5	201.8	188.4	
Average		*206.2*	*182.0*	*202.2*	*228.0*	*209.5*	*213.2*
Mid and Full-Season							
DeKalb	DK 697	225.6	194.5	219.3	237.8	250.7	235.9
Pioneer	3146	209.1	182.8	212.6	216.7	224.5	217.9
AgraTech	905RR	208.8	187.4	206.2	227.4	214.3	216.0
Croplan Genetics	702	207.8	194.0	210.1	204.6	222.7	212.5
DeKalb	DKC68-70	204.4	186.8	204.0	216.7	210.1	210.2
DeKalb	DK 687	203.9	186.7	202.4	215.8	210.7	209.6

NK	N91-R9 *	202.7	182.8	222.8	214.2	190.9	209.3
Golden Acres	8681FQ	198.3	185.6	199.3	216.1	192.3	202.6
Croplan Genetics	7879	197.4	169.0	198.3	217.3	205.2	206.9
Croplan Genetics	827	196.6	169.4	220.4	203.9	192.5	205.6
NK	N 8811	196.3	165.7	196.7	222.2	200.6	206.5
Garst/AgriPro	8288	196.0	151.2	191.7	215.5	225.9	211.0
Pioneer	31R88	196.0	194.0	188.4	217.6	184.0	196.7
Golden Acres	8311	193.9	173.4	201.7	204.1	196.3	200.7
Southern States	SS882CL	193.5	143.3	199.5	210.4	220.8	210.2
NK	N 83-N5	189.9	154.7	187.6	213.7	203.6	201.6
CPES-USDA	TY005	187.0	125.1	207.7	206.2	208.9	207.6
CPES-USDA	TY004	177.2	128.2	178.2	201.7	200.6	193.5
CPES-USDA	TY001	174.0	137.2	177.4	184.5	196.8	186.2
Croplan Genetics	1167CL	165.3	112.6	180.2	196.5	172.0	182.9
CPES-USDA	TY002	159.9	121.6	156.2	180.4	181.5	172.7
CPES-USDA	TY003	153.3	135.0	154.5	155.8	167.9	159.4
Average		***192.6***	***162.8***	***196.1***	***208.1***	***203.3***	***202.5***
* Full-season hybrid.							

Tifton, Georgia

Short-Season Corn Hybrid Performance, 2001, Nonirrigated Tifton, Georgia

Company or Brand Name	**Hybrid Name**	**Yield[1]**			**Ears/ 100 Plants no.**	**Ear Grain Weight lb**	**Grain Quality[2] rating**	**Grain Moisture[3] %**	**Plant Population no.**	**Erect Plants %**
		2001	**3-Yr Avg**							
		-- bu/acre --								
Pioneer	32R25	**231.3**	.	107	0.46	1.3	18.8	27443	100	
Dyna-Gro	5515	206.1	.	99	0.44	2.3	18.3	27116	100	
Pioneer	31G98	202.6	.	105	0.44	1.3	18.7	25918	100	
Southern States	SS781CL	198.4	.	99	0.42	1.5	18.0	27661	100	
Dyna-Gro	5518RR	195.7	.	99	0.49	1.5	19.7	24612	100	
Zimmerman	1851W	194.1	**142.7**	100	0.42	2.0	20.3	27661	100	
Croplan Genetics	683	187.8	.	98	0.40	1.5	16.6	27443	100	
AgraTech	1701	187.3	.	107	0.45	2.5	19.5	22978	100	
Croplan Genetics	818	184.8	.	99	0.38	1.8	18.2	28097	100	
AgraTech	721RR	184.5	.	99	0.41	2.3	18.7	26681	100	
AgraTech	719	184.3	.	98	0.39	2.3	17.6	27443	100	
Pioneer	32k61	182.3	**144.1**	100	0.42	2.8	17.9	25809	100	
Croplan Genetics	721	181.8	.	96	0.40	2.5	19.6	27769	100	

Pioneer	32H58	181.2	.	103	0.38	1.3	18.1	26572	100
Dyna-Gro	5516RR	179.0	.	101	0.38	1.8	18.3	26898	100
Croplan Genetics	767RR	177.3	.	97	0.39	2.0	18.7	27007	100
Garst/AgriPro	8222IT	171.2	.	96	0.42	1.5	20.2	25265	100
DeKalb	DKC65-25	169.6	.	102	0.38	1.5	18.1	25265	99
DeKalb	DKC66-50	162.5	.	99	0.36	2.0	17.1	26027	100
Garst	8251IT	161.5	.	97	0.39	1.8	19.8	25156	100
AgriPro	9843	161.1	**139.6**	93	0.40	1.5	18.6	25483	100
Garst/AgriPro	9707	158.7	**142.5**	91	0.42	1.8	18.6	24612	99
AgraTech	787	145.2	**131.7**	99	0.43	1.8	19.6	20365	100
Average		*182.0*[4]	*140.1*	*99*	*0.41*	*1.8*	*18.6*	*26056*	*100*
LSD at 10% Level		*16.1*	*N.S.*[5]	*5*	*0.05*	*0.8*	*0.8*	*2560*	-
Std. Err. of Entry Mean		*6.8*	*4.4*	*2*	*0.02*	*0.3*	*0.3*	*1085*	-

[1] Yields calculated at 15.5% moisture.
[2] Grain quality rating:1 = excellent to 5 = poor.
[3] Grain moisture at harvest.
[4] CV = 7.5%, and df for EMS = 66.
[5] The F-test indicated no statistical differences at the alpha = .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, 2001.
Harvested:	August 22, 2001.
Seeding Rate:	29,800 seeds/acre in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = High, K = Medium, and pH = 6.5.
Fertilization:	65 lb N, 130 lb P_2O_5, and 195 lb K_2O/acre as preplant; 128 lb N/acre as sidedress.
Previous Crop:	Soybean.
Management:	Paraplowed, subsoiled, bedded, and rototilled; Prowl, Atrazine, Permit, and Accent used for weed control; Nemacur used for nematode control; Furadan used for insect control.

Test conducted by A. E. Coy, M. D. Pippin, R. Brooke, and T. Hancock.

Mid- and Full-Season Corn Hybrid Performance, 2001, Nonirrigated
Tifton, Georgia

Company or Brand Name	**Hybrid Name**	**Yield**[1]			**Ears/ 100 Plants no.**	**Ear Grain Weight lb**	**Grain Quality**[2] **rating**	**Grain Moisture**[3] **%**	**Plant Population no.**	**Erect Plants %**
		2001	**3-Yr Avg**							
		-- bu/acre --								
DeKalb	DK 697	**194.5**	**150.4**	99	0.42	1.8	17.9	27007	99	
Croplan Genetics	702	**194.0**	**150.3**	101	0.50	2.3	19.8	22978	100	
Pioneer	31R88	**194.0**	.	98	0.44	2.6	18.3	26354	99	
AgraTech	905RR	**187.4**	.	97	0.55	3.3	19.8	22869	100	
DeKalb	DKC68-70	**186.8**	.	107	0.39	2.0	19.9	26572	100	
DeKalb	DK 687	**186.7**	**140.8**	108	0.41	2.3	19.8	25374	100	

Golden Acres	8681FQ	**185.6**	.	102	0.40	2.0	18.5	26443	100
Pioneer	3146	**182.8**	**145.1**	99	0.43	2.0	18.9	25156	99
NK	N91-R9 *	**182.8**	.	97	0.44	1.8	20.4	25156	100
Golden Acres	8311	173.4	.	100	0.40	2.3	18.6	25426	100
Croplan Genetics	827	169.4	.	102	0.39	2.3	21.4	26027	100
Croplan Genetics	7879	169.0	.	103	0.43	2.3	18.9	22760	100
NK	N 8811	165.7	**139.5**	100	0.44	1.5	20.7	22978	100
NK	N 83-N5	154.7	**141.5**	99	0.36	2.0	18.9	25156	100
Garst/AgriPro	8288	151.2	.	103	0.41	2.5	19.9	21780	100
Southern States	SS882CL	143.3	.	105	0.39	2.5	19.6	21236	100
CPES-USDA	TY001	137.2	.	97	0.41	2.7	20.5	20800	99
CPES-USDA	TY003	135.0	.	107	0.39	2.0	19.8	18949	97
CPES-USDA	TY004	128.2	.	100	0.35	3.3	18.4	21562	96
CPES-USDA	TY005	125.1	.	97	0.33	2.8	19.8	23087	98
CPES-USDA	TY002	121.6	.	98	0.31	2.8	18.3	22978	98
Croplan Genetics	1167CL	112.6	.	105	0.35	2.8	20.7	18513	100
Average		*162.8*[4]	*144.6*	*101*	*0.41*	*2.3*	*19.5*	*23598*	*99*
LSD at 10% Level		*14.8*	*N.S.*[5]	*6*	*0.08*	*0.6*	*1.0*	*2799*	*2*
Std. Err. of Entry Mean		*6.2*	*4.4*	*3*	*0.04*	*0.3*	*0.4*	*1186*	*1*

* Full-season hybrid.

[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 = 63.
[5] The F-test indicated no statistical differences at the alpha = .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, 2001.
Harvested:	August 22, 2001.
Seeding Rate:	27,500 seeds/acre in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = High, K = Medium, and pH = 6.5.
Fertilization:	65 lb N, 130 lb P_2O_5, and 195 lb K_2O/acre as preplant; 128 lb N/acre as sidedress.
Previous Crop:	Soybean.
Management:	Paraplowed, subsoiled, bedded, and rototilled; Prowl, Atrazine, Permit, and Accent used for weed control; Nemacur used for nematode control; Furadan used for insect control.

Test conducted by A. E. Coy, M. D. Pippin, R. Brooke, and T. Hancock.

Short-Season Corn Hybrid Performance, 2001, Irrigated
Tifton, Georgia

Company or Brand Name	Hybrid Name	Yield[1]			Ears/ 100 Plants no.	Ear Grain Weight lb	Grain Quality[2] rating	Grain Moisture[3] %	Plant Population no.	Erect Plants %
		2001	3-Yr Avg							
		-- bu/acre --								
Pioneer	31G98	**237.6**	.	114	0.49	1.8	18.5	24720	100	
Pioneer	32H58	**232.3**	.	108	0.48	2.3	18.3	26027	100	
Pioneer	32R25	**230.8**	.	118	0.44	1.3	18.1	25374	100	
Dyna-Gro	5515	**222.9**	.	100	0.53	2.0	18.4	24612	100	
Garst/AgriPro	9707	**222.4**	**202.7**	102	0.52	2.3	18.7	24829	100	
Southern States	SS781CL	219.4	.	98	0.50	2.0	18.8	26245	100	
Garst/AgriPro	8222IT	217.7	.	100	0.53	1.8	20.0	24612	100	
AgraTech	1701	213.8	.	110	0.45	2.0	19.1	25156	100	
Pioneer	32k61	212.7	**196.2**	98	0.49	2.3	17.4	25592	100	
Zimmerman	1851W	212.6	**184.7**	102	0.49	2.5	20.2	25265	100	
Croplan Genetics	683	202.3	.	98	0.49	2.0	16.8	24394	100	
Dyna-Gro	5518RR	201.9	.	101	0.48	2.3	18.7	24394	100	
Dyna-Gro	5516RR	200.1	.	99	0.45	2.0	17.9	26027	100	
Croplan Genetics	767RR	198.9	.	99	0.46	2.8	18.3	25374	100	
DeKalb	DKC65-25	194.8	.	99	0.46	2.8	18.1	24611	100	
AgraTech	719	191.9	.	98	0.46	2.8	17.6	24503	100	
DeKalb	DKC66-50	189.0	.	100	0.42	2.3	18.0	25809	100	
AgraTech	787	187.9	**191.6**	101	0.45	2.5	18.4	23849	100	
Garst	8251IT	186.0	.	99	0.44	2.0	18.2	24938	100	
AgriPro	9843	184.5	**182.2**	101	0.42	1.8	18.0	25265	100	
Croplan Genetics	818	179.6	.	99	0.42	2.3	17.4	24829	100	
Croplan Genetics	721	173.2	.	97	0.41	2.3	17.8	24720	100	
AgraTech	721RR	171.5	.	98	0.45	3.0	18.2	22542	100	
Funk's G	5516	169.9	**182.9**	99	0.43	2.0	18.3	23196	100	
Average		*202.2*[4]	*190.0*	*101*	*0.47*	*2.2*	*18.3*	*24870*	*100*	
LSD at 10% Level		*15.5*	*N.S.*[5]	*5*	*0.04*	*0.6*	*0.5*	*1590*	-	
Std. Err. of Entry Mean		*6.6*	*4.0*	*2*	*0.02*	*0.3*	*0.2*	*674*	-	

[1] Yields calculated at 15.5% moisture.
[2] Grain quality rating: 1 = excellent to 5 = poor.
[3] Grain moisture at harvest.
[4] CV = 6.5%, and df for EMS = 69.
[5] The F-test indicated no statistical differences at the alpha = .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 11, 2001.

Harvested:	August 22, 2001.
Seeding Rate:	26,500 seeds/acre in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = High, K = Medium, and pH = 6.5.
Fertilization:	35 lb N, 70 lb P_2O_5, and 105 lb K_2O/acre as preplant; 212 lb N/acre as sidedress.
Previous Crop:	Soybean.
Management:	Paraplowed, subsoiled, bedded, and rototilled; Prowl, Atrazine, Permit, and Accent used for weed control; Nemacur used for nematode control; Furadan used for insect control; irrigated 9.0 inches.
Test conducted by A. E. Coy, M. D. Pippin, R. Brooke, and T. Hancock.	

Mid and Full-Season Corn Hybrid Performance, 2001, Irrigated
Tifton, Georgia

Company or Brand Name	Hybrid Name	Yield[1]			Ears/ 100 Plants no.	Ear Grain Weight lb	Grain Quality[2] rating	Grain Moisture[3] %	Plant Population no.	Erect Plants %
		2001	3-Yr Avg							
		-- bu/acre --								
NK	N91-R9 *	222.8	.	101	0.58	2.0	19.3	22434	100	
Croplan Genetics	827	220.4	.	100	0.59	2.5	20.9	22216	100	
DeKalb	DK 697	219.3	204.3	116	0.49	2.3	18.4	23087	100	
Pioneer	3146	212.6	185.1	102	0.53	1.5	18.5	22652	100	
Croplan Genetics	702	210.1	195.6	101	0.55	1.5	19.3	22216	100	
CPES-USDA	TY005	207.7	.	103	0.54	2.3	20.8	22433	99	
AgraTech	905RR	206.2	.	105	0.54	2.3	18.9	21236	100	
DeKalb	DKC68-70	204.0	.	112	0.49	2.3	18.9	21780	100	
DeKalb	DK 687	202.4	198.6	118	0.46	2.0	18.4	21780	100	
Golden Acres	8311	201.7	.	100	0.51	2.8	18.4	22869	100	
Southern States	SS882CL	199.5	.	106	0.51	1.8	19.4	21671	100	
Golden Acres	8681FQ	199.3	.	100	0.53	2.8	18.4	21780	100	
Croplan Genetics	7879	198.3	.	103	0.53	2.0	18.9	21236	100	
NK	N 8811	196.7	186.6	99	0.54	2.0	20.2	22107	100	
Garst/AgriPro	8288	191.7	.	103	0.54	2.0	19.2	20364	100	
Pioneer	31R88	188.4	.	99	0.51	3.5	17.7	21562	99	
NK	N 83-N5	187.6	188.0	104	0.50	1.8	18.8	21018	100	
Croplan Genetics	1167CL	180.2	.	103	0.49	2.0	18.5	21018	100	
CPES-USDA	TY004	178.2	.	105	0.48	2.5	17.7	20147	100	
CPES-USDA	TY001	177.4	.	106	0.53	2.0	19.4	18731	100	
CPES-USDA	TY002	156.2	.	100	0.42	2.5	18.0	21453	100	
CPES-USDA	TY003	154.5	.	105	0.52	2.5	19.5	16662	95	
Average		*196.1*[4]	*193.0*	*104*	*0.52*	*2.2*	*19.0*	*21384*	*100*	
LSD at 10% Level		*14.1*	*N.S.*[5]	*7*	*0.05*	*0.7*	*0.6*	*1515*	*1*	

Std. Err. of Entry Mean	*6.0*	*3.9*	*3*	*0.02*	*0.3*	*0.3*	*642*	*1*

* Full-season hybrid.

[1] Yields calculated at 15.5% moisture.
[2] Grain quality rating: 1 = excellent to 5 = poor.
[3] Grain moisture at harvest.
[4] CV = 6.1%, and df for EMS = 63.
[5] The F-test indicated no statistical differences at the alpha = .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 11, 2001.
Harvested:	August 22, 2001.
Seeding Rate:	23,500 seeds/acre in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = High, K = Medium, and pH = 6.5.
Fertilization:	35 lb N, 70 lb P_2O_5, and 105 lb K_2O/acre as preplant; 212 lb N/acre as sidedress.
Previous Crop:	Soybean.
Management:	Paraplowed, subsoiled, bedded, and rototilled; Prowl, Atrazine, Permit, and Accent used for weed control; Nemacur used for nematode control; Furadan used for insect control; irrigated 9.0 inches.
Test conducted by A. E. Coy, M. D. Pippin, R. Brooke, and T. Hancock.	

Preliminary Corn Hybrid Performance, 2001, Irrigated
Tifton, Georgia

Company or Brand Name	Hybrid Name	Yield[1] 2001 -bu/acre-	Ears/ 100 Plants no.	Ear Grain Weight lb	Grain Quality[2] rating	Grain Moisture[3] %	Plant Population no.	Erect Plants %
NK	N91-R9	238.6	102	0.54	1.8	20.5	26136	98
Garst/AgriPro	8222IT	237.9	99	0.58	2.3	21.1	24720	97
DeKalb	DK 697	235.3	100	0.54	1.8	19.4	25701	100
Pioneer	31G98	231.6	104	0.56	2.0	19.2	23849	100

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