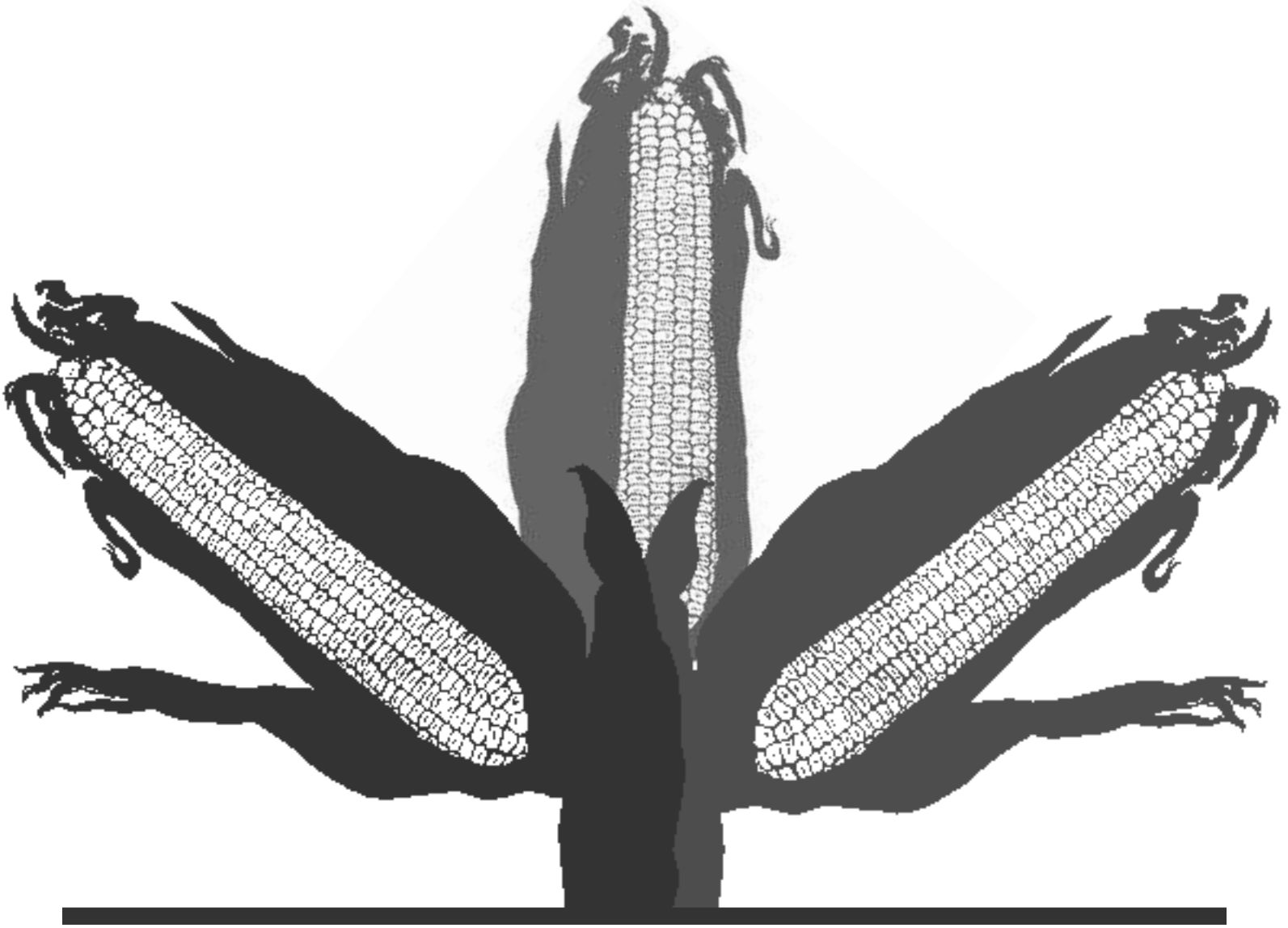
Information Bulletin 445 November 2008

MISSISSIPPI

Corn for Grain



HYBRID TRIALS, 2008

MAFES

MISSISSIPPI AGRICULTURAL & FORESTRY EXPERIMENT STATION • MELISSA J. MIXON, INTERIM DIRECTOR

MISSISSIPPI STATE UNIVERSITY • ROY H. RUBY, INTERIM PRESIDENT • MELISSA J. MIXON, INTERIM VICE PRESIDENT

NOTICE TO USER

This Mississippi Agricultural and Forestry Experiment Station information bulletin is a summary of research conducted under project number MIS 1414 at locations shown on the map on the second page. It is intended for colleagues, cooperators, and sponsors. The interpretation of data presented in this report may change after additional experimentation. Information included is not to be construed as a recommendation for use or as an endorsement of a specific product by Mississippi State University or the Mississippi Agricultural and Forestry Experiment Station.

This report contains data generated as part of the Mississippi Agricultural and Forestry Experiment Station research program. Joint sponsorship by the organizations listed on pages 3-4 is gratefully acknowledged.

Trade names of commercial products used in this report are included only for clarity and understanding. All available names (i.e., trade names, chemical names, etc.) of products used in this research project are listed on pages 3-4.

Mississippi Corn for Grain Hybrid Trials, 2008

Brad Burgess
Research Associate II
Mississippi State University

Frank Boykin
Operations Manager
Black Belt Branch Experiment Station

Sean Horton
Farm Manager
Delta Research and Extension Center

Billy Johnson
Senior Research Assistant
Coastal Plain Branch Experiment Station

Erick Larson
Associate Professor
MSU Plant and Soil Sciences

Dennis Reginelli
Area Extension Agent
Noxubee County Extension Service

Dennis Rowe
Statistician
Mississippi State University

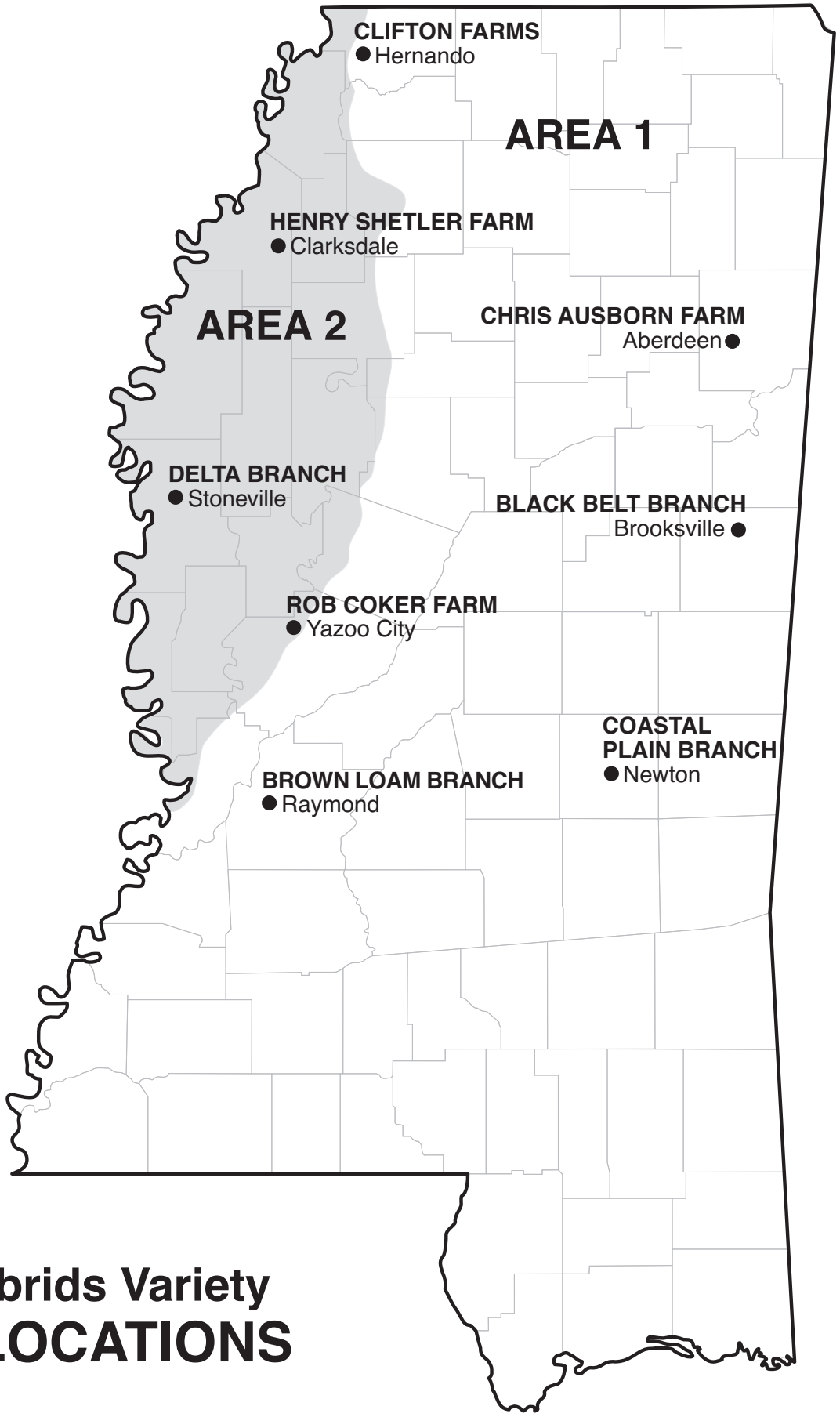
Art Smith
Area Extension Agronomic Crops Agent
Tunica County Extension Service

Sammy Soignier
Facilities Coordinator
Brown Loam Branch Experiment Station

Charlie Stokes
Area Agronomy Agent
MSU Extension Service

Bernie White
Manager, Variety Evaluations
Mississippi State University

For more information, contact Brad Burgess by phone at (662) 325-7784 or by email at Bburgess@pss.msstate.edu or contact Bernie White by phone at (662) 325-7786 or by email at bwhite@mafes.msstate.edu. Recognition is given to Jessie L. Selvie, Jerry W. Nail, and Loyd B. Cooper, research technicians for the Variety Testing Program, for their assistance in packaging, planting, harvesting, and recording plot data. Statistical analyses and computing assistance were provided by Bernie White. This publication was prepared by Jimmie Cooper, administrative secretary for MAFES Research Support Units. It was published by the Office of Agricultural Communications, a unit of the Mississippi State University Division of Agriculture, Forestry, and Veterinary Medicine. Our website address is http://msucares.com/crops/variety/index.html



Corn Hybrids Variety
TEST LOCATIONS

Mississippi Corn for Grain Hybrid Trials, 2008

Procedure

Trials were conducted on Experiment Station land or on grower-cooperator fields in two geographical areas in Mississippi: Area I, located in the hill region of Mississippi (five dryland locations); and Area II, located in the Delta region of Mississippi (three irrigated locations) (see map). Commercial seed companies were given the opportunity to enter hybrids in either or both Area I and Area II.

Plots consisted of two 30-inch rows, 14 feet long. Weeds were controlled by cultivation and/or herbicides. Only herbicides currently registered for use on corn were used in these studies, with strict adherence to all label instructions.

All hybrids were treated with Poncho 250 or Cruiser for seedling insect control. Experimental design was a randomized complete block with four replications at each location.

Seed of all entries were supplied by participating companies. All seed were packaged for planting at seeding rates suggested by the participating company and planted with a cone planter. Fertilizer was applied according to soil test recommendations. Plots in Area I were grown in dryland conditions, and plots in Area II were furrow irrigated, as necessary.

Variables Measured in the Corn Hybrid Tests

Yield: An Almaco SPC 40 plot combine was used to harvest the total area of each plot. Harvested grain was weighed, moisture was determined, and yields were converted to bushels per acre at 15.5 percent moisture.

Ear Height: Ear height is the distance from the soil to the highest ear-bearing node.

Harvest Population: Harvest population is a measure of the number of plants per acre, based on actual stand counts.

USE OF DATA TABLES AND SUMMARY STATISTICS

The yield potential of a given hybrid cannot be measured with complete accuracy. Consequently, replicate plots of all hybrids are evaluated for yield, and the yield of a given hybrid is estimated as the mean of all replicate plots of that hybrid. Yields vary somewhat from one replicate plot to another, which introduces a certain degree of error to the value. As a result, although the mean yields of some hybrids are numerically different, the two hybrids may not be significantly different from each other within the range of natural variation. That is, the ability to measure yield is not precise enough to determine what the small differences are, other than what might be observed purely by chance.

The least significant difference (LSD) is an estimate of the smallest difference between two hybrids that can be declared to be the result of something other than random variation in a particular trial. Consider the following example for a given trial:

Hybrid	Yield
A	90 bu/A
B	85 bu/A
C	81 bu/A
LSD	7 bu/A

The difference between hybrid A and hybrid B is 5 bu/A (i.e., 90 - 85 = 5). This difference is smaller than the LSD (7 bu/A). Consequently, we would conclude that hybrid A and hybrid B have the same yield potential, since we are unable to say that the observed difference did not occur purely due to chance. However, the difference between hybrid A and hybrid C is 9 bu/A (i.e., 90 - 81 = 9), which is larger than the LSD (7 bu/A). We would therefore conclude that the yield potential of hybrid A is superior to that of hybrid C.

The coefficient of variation (CV) is a measure of the relative precision of a given trial and is used to compare the relative precision of different trials. The CV is generally considered an estimate of the amount of unexplained variation in a given trial. This unexplained variation can be the result of variation between plots with respect to soil type, fertility, insects, diseases, moisture stress, etc. Overall, as the CV increases, the precision of a given trial decreases.

The coefficient of determination (R^2) is another measure of the level of precision in a trial and is also used to compare the relative precision of different trials. The R^2 is a measure of the amount of variation that is explained, or accounted for, in a given trial. For example, an R^2 value of 90 percent indicates that 90 percent of the observed variation in the trial has been accounted for in the trial, with the remaining 10 percent being unaccounted for. The higher the R^2 value, the more precise the trial. The R^2 is generally considered a better measure of precision than the CV for comparison of different trials.

Table 1. Characteristics provided by sponsoring companies for corn hybrids entered in the Mississippi Corn for Grain Hybrid Trials, 2008.

Company	Hybrid	Trait[1]	Planting rate (x1000)	Days to maturity
AgriGold Hybrids	A6633VT3	RR/Bt	32	115
RR 1, Box 203	A6455VT3	RR/Bt	30	110
St. Francisville, IL 62460	A6639VT3	RR/Bt	32	115
812-787-0281	A6479VT3	RR/Bt	32	112
	A6489VT3	RR/Bt	32	112
	A6522BtRR	RR/Bt	30	113
	A6632VT3	RR/Bt	32	115
B-H Genetics	BH 9078RR/PL	RR/Bt	30	119
5933 FM1157	BH 8895VT3	RR/Bt	28	117
Ganado, TX 77962	BH 8914VT3	RR/Bt	30	117
281-762-8915	BH 9015RR/YGCB	RR/Bt	32	119
	XP 7005RR/HX (E)	RR/Bt/LL	28	119
	XP 7066RB (E)	RR/Bt	30	118
Belle Southern Hybrids	Belle 1533Y	YG	30	115
P.O. Box 178	Belle 1545RY	RR/YG	30	115
Fisher, AR 72429	Belle 1646RY	RR/Bt	30	116
870-579-2286	Belle 1722R	RR	30	117
	Belle 1844RY	RR/Bt	30	118
	Belle 1147RY	RR/Bt	30	111
	Belle 1626R	RR	30	117
Bio Gene Seeds	BG 83V08	RR/Bt	32	113
5477 Tri-County Hwy.	BG 84V09	RR/Bt	32	114
Sardinia, OH 45171				
937-444-6422				
Crow's Hybrid Corn Co.	4846T	RR/Bt	28/32	110
P.O. Box 157	5291B	RR/Bt	28	115
Kentland, IN 47951	5304VT3	RR/Bt	28	114
270-519-9286				
Golden Acres Genetics	GA 26Z17	RR/Bt	32	115
P.O. Box 579	GA 27Z07	RR/Bt	32	117
Buchanan Dam, TX 78609	GA 2821RLH	RR/Bt/LL	32	115
512-793-5205	GA 2831RRB	RR/Bt	32	115
	GA 2841RRB	RR/Bt	32	117
	GA 28Z89	RR	30	118
Merschman Seeds Inc.	M-314A-10	RR/Bt	24/32	114
103 Ave. D	M-816A	RR/Bt	28/32	116
West Point, IA 52656	Stine 9806VT3	RR/Bt	28/32	114
319-837-6111				
Monsanto Company	DKC61-19	RR/Bt	28/32	111
800 N. Lindbergh Blvd.	DKC61-69	RR/Bt	28/32	111
St. Louis, MO 63167	DKC62-99	RR2/YGCB	28/32	112
314-694-1000	DKC63-42	RR/Bt	28/32	113
	DKC64-24	RR/Bt	28/32	114
	DKC64-79	RR/Bt	28/32	114
	DKC65-44	RR/Bt	28/32	115
	DKC66-23	RR2/YGCB	28/32	116
	DKC67-23	RR2/YGCB	28/32	117
	DKC67-87	RR2/YGCB	28/32	117
	DKC69-40	RR/Bt	28/32	119
	DK RX715VT3	RR/Bt	28/32	111

[1]RR = Incorporates Roundup Ready Technology; LL, L, = Incorporates Liberty Link Technology; Bt, CB, HX = Corn Borer Protection Technology; Conv. = Conventional. (E) = Experimental.

Table 1 (continued). Characteristics provided by sponsoring companies for corn hybrids entered in the Mississippi Corn for Grain Hybrid Trials, 2008.

Company	Hybrid	Trait [1]	Planting rate (x1000)	Days to maturity
Pioneer Hi-Bred Intl. Inc.	31G71	HX1/LL/RR2	28	119
700 Blvd. South, Suite 302	31G96	HX1/LL/RR2	28/32	117
Huntsville, AL 35802	31N26	RR2	32	119
800-331-2475	31P42	HX1/LL/RR2	28/32	119
	32B29	YGCB/RR2	32	118
	33M57	HX1/LL/RR2	28/32	115
	33N58	HX1/LL/RR2	28/32	113
	34F96	HX1/LL/RR2	28/32	111
Syngenta Seed/NK Brand	NK N68-B8	Bt11/LL	30	110
7500 Olsen Memorial Hwy.	NK N77P-GT	RR	30	112
Golden Valley, MN 55427	NK N78N-GT/CB/LL	RR/Bt/LL	30	115
318-372-3457	Garst 82R45GT	RR	30	116
	NK NX7976 (E)	BT/LL	28	115
Terral Seed Inc.	TV24R83	RR	30	114
P.O. Box 826	TV25BR23	RR/Bt	32	115
Lake Providence, LA 71254	TV25BR71	RR/Bt	30	115
318-559-2840	TV25R31	RR	30	115
	TV26BR41	RR/Bt	30	115
	TV26BR61	RR/Bt	30	116
	TV26R73	RR/Bt	30	117
	TV26TR41	VT3	32	116
	TVX22TR86 (E)	VT3	32	114
	TVX27BR84 (E)	RR/Bt	32	117
	TVX28R92 (E)	RR/Bt	32	118
UAP, Inc./Dyna-Gro Seed	DG57K33	RR	30/32	114
7251 West 4th St.	DG57K58	RR	30/32	115
Greeley, CO 80634	DG57N96	Conv.	30/32	114
662-827-9969	DG57P12	RR/Bt	30/32	115
	DG57V05	RR/Bt	30/32	113
	DG57V21	RR/Bt	30/32	115
	DG57V85	RR/Bt	30/32	115
	DG58K02	RR	30/32	119
	DG58K40	RR	30/32	117
	DG58K81	RR	30/32	117
	DG58P27	RR/Bt	30/32	119
	DG58P45	RR/Bt	30/32	120
	DG58P59	RR/Bt	30/32	116
	DG58P60	RR/Bt	30/32	120
	DG58V24	RR/Bt	30/32	116
UniSouth Genetics Inc.	80B00	Conv.	28/30	116
2640-C Nolensville Rd.	82C00	Conv.	28/30	115
Nashville, TN 37211				
615-242-3397				
Winfield Solutions/				
Croplan Genetics	851VT3	RR/Bt	30/32	118
1409 Deering Street	691RR	RR	30/32	113
Cleveland, MS 38732	6150VT3	RR/Bt	30/32	113
901-233-9646	6818TS	RR/Bt	30/32	114
	6831TS	RR/Bt	30/32	112
	7505VT3	RR/Bt	30/32	115

[1]RR = Incorporates Roundup Ready Technology; LL, L, = Incorporates Liberty Link Technology; Bt, CB, HX = Corn Borer Protection Technology; Conv. = Conventional. (E) = Experimental.

Table 2. 2008 corn hybrid yield summary for dryland locations.

Brand	Hybrid number	Aberdeen	Brooksville	Hernando	Raymond	Overall average
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriGold	A6455VT3	153.6	99.3	143.1	121.6	129.4
AgriGold	A6479VT3	153.4	89.6	130.8	118.9	123.2
AgriGold	A6489VT3	157.9	115.1	162.4	128.9	141.1
AgriGold	A6522BtRR	143.3	100.4	121.5	107.3	118.1
AgriGold	A6639VT3	127.9	82.9	120.1	92.4	105.8
Belle	Belle 1147RY	134.3	92.0	122.2	110.9	114.9
Belle	Belle 1533Y	161.3	90.7	141.2	109.1	125.6
Belle	Belle 1545RY	159.8	97.1	129.1	99.6	121.4
Belle	Belle 1626R	155.1	110.2	118.5	117.6	125.4
Belle	Belle 1646RY	158.5	96.3	125.5	104.8	121.3
Belle	Belle 1722R	160.0	90.9	118.9	116.5	121.6
Belle	Belle 1844RY	152.9	72.9	120.8	96.0	110.7
Croplan Genetics	6150VT3	151.1	97.6	135.1	109.3	123.3
Croplan Genetics	6818TS	154.5	85.8	144.4	101.1	121.5
Croplan Genetics	6831TS	154.6	89.4	131.3	98.3	118.4
Croplan Genetics	691RR	149.1	104.7	110.9	96.8	115.4
Croplan Genetics	7505VT3	122.1	104.2	129.8	82.4	109.6
Croplan Genetics	851VT3	149.9	94.6	143.4	116.0	126.0
Crow's	4846T	143.5	93.6	149.0	114.2	125.1
Crow's	5291B	138.2	82.1	147.6	103.0	117.7
Crow's	5304VT3	141.2	102.5	120.9	88.1	113.2
DEKALB	DEKALB RX715VT3	151.9	89.7	144.0	107.4	123.3
DEKALB	DKC61-19	130.1	101.8	144.3	99.0	118.8
DEKALB	DKC61-69	119.8	95.3	144.9	103.0	115.8
DEKALB	DKC62-99	94.7	94.4	140.7	96.8	106.7
DEKALB	DKC63-42	131.7	77.8	138.9	82.2	107.7
DEKALB	DKC64-24	145.3	94.4	134.4	111.9	121.5
DEKALB	DKC64-79	154.5	95.8	141.9	111.7	126.0
DEKALB	DKC65-44	147.3	85.5	118.3	109.9	115.3
DEKALB	DKC66-23	131.9	84.1	143.9	112.1	118.0
DEKALB	DKC67-23	147.4	89.3	137.8	115.8	122.6
DEKALB	DKC67-87	151.5	83.1	134.7	115.3	121.2
DEKALB	DKC69-40	142.4	110.0	117.0	113.0	120.6
Dyna-Gro	58P59	161.3	96.7	134.8	109.0	125.5
Dyna-Gro	DG57K33	165.2	105.8	136.7	113.2	130.2
Dyna-Gro	DG57K58	169.4	93.3	137.7	112.7	128.3
Dyna-Gro	DG57N96	149.7	96.6	117.4	120.6	121.1
Dyna-Gro	DG57P12	146.0	96.6	134.2	127.4	126.1
Dyna-Gro	DG57V05	155.7	90.3	106.8	108.0	115.2
Dyna-Gro	DG57V21	133.5	86.8	129.8	119.3	117.4
Dyna-Gro	DG57V85	155.5	82.4	124.0	110.1	118.0
Dyna-Gro	DG58K02	160.1	98.1	118.8	113.8	122.7
Dyna-Gro	DG58K40	146.4	88.4	114.0	107.4	114.1
Dyna-Gro	DG58K81	158.4	90.7	118.2	116.0	120.8
Dyna-Gro	DG58P27	155.1	88.5	117.9	106.2	116.9
Dyna-Gro	DG58P45	151.5	83.6	140.6	126.0	125.4
Dyna-Gro	DG58P60	159.9	84.2	151.5	116.3	128.0
Dyna-Gro	DG58V24	153.8	90.4	150.0	129.8	131.0
Golden Acres	GA 2841RRB	156.9	93.4	128.7	107.3	121.6
Golden Acres	GA27Z07	164.7	93.3	130.5	118.3	126.7
Golden Acres	GA2821RLH	155.5	98.5	129.0	125.6	127.2
Golden Acres	GA2831RRB	157.5	107.4	144.4	113.4	130.7
Merschman	M-314A-10	147.0	84.6	134.6	100.1	116.6
Merschman	M-816A	164.6	93.7	126.4	103.5	122.1
NK Brand	N68-B8	142.9	90.5	145.0	113.6	123.0
NK Brand	NK N77P-GT/CB/LL	146.7	113.3	152.6	124.8	134.4
NK Brand	NK NX7976	147.7	90.8	96.0	109.4	111.0
Pioneer	31G71	151.9	107.4	133.3	130.8	130.9
Pioneer	31G96	164.7	117.8	122.4	137.2	135.5
Pioneer	31P42	157.5	109.6	141.5	120.0	132.2
Pioneer	33M57	152.8	103.6	133.9	135.7	131.5
Pioneer	33N58	153.7	94.2	151.6	122.5	130.5
Pioneer	34F96	137.3	75.9	126.5	110.4	112.5
Stine	Stine 9806VT3	135.5	89.6	127.7	110.4	115.8
Terral	TV24R83	163.2	125.1	127.5	127.3	135.8
Terral	TV25BR23	155.1	87.3	141.2	120.8	126.1
Terral	TV25BR71	162.0	106.0	129.0	126.6	130.9
Terral	TV25R31	164.8	86.5	145.2	112.1	127.2
Terral	TV26BR41	160.1	87.1	141.8	115.9	126.2
Terral	TV26BR61	152.3	100.8	132.2	106.2	122.9

Table 2 (continued). 2008 corn hybrid yield summary for dryland locations.

Brand	Hybrid number	Aberdeen	Brooksville	Hernando	Raymond	Overall average
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
Terral	TV26R73	159.4	94.9	124.9	108.7	122.0
Terral	TV26TR41	166.8	80.3	133.9	108.1	122.3
Terral	TVX22TR86	148.6	89.6	142.6	111.9	123.2
Terral	TVX27BR84	160.2	81.5	121.7	103.4	116.7
Terral	TVX28R92	154.7	72.0	117.6	112.2	114.1
USG	80B00	158.3	116.5	139.1	128.1	135.5
USG	82C00	156.2	116.2	150.2	109.3	133.0
Overall mean		150.5	94.5	132.6	112.0	122.4
LSD (.10)		14.6	20.2	23.5	15.3	
Error degrees of freedom		228	228	228	228	
CV (%)		8.3	18.4	15.2	11.7	
R^2 (%)		60	39	33	66	

Table 3. Two-year corn hybrid yield summary for dryland locations.

Brand	Hybrid number	Aberdeen	Brooksville	Hernando	Overall average
		bu/A	*bu/A*	*bu/A*	*bu/A*
AgriGold	A6455VT3	157.1	113.1	155.8	142.0
AgriGold	A6639VT3	142.3	113.7	142.3	132.7
Belle	Belle 1147RY	146.5	117.7	135.4	133.2
Belle	Belle 1533Y	166.5	115.3	154.4	145.4
Belle	Belle 1545RY	165.8	122.0	141.0	142.9
Belle	Belle 1646RY	160.0	110.9	143.4	138.1
Belle	Belle 1722R	160.4	113.1	132.7	135.4
Belle	Belle 1844RY	154.6	99.7	137.2	130.5
Croplan Genetics	6818TS	156.1	112.5	154.1	140.9
Croplan Genetics	6831TS	161.1	116.0	145.9	141.0
Croplan Genetics	851VT3	159.4	115.5	141.4	138.7
Crow's	4846T	155.7	117.3	161.4	144.8
DEKALB	DEKALB RX715VT3	158.5	113.1	149.2	140.2
DEKALB	DKC66-23	145.6	111.6	150.7	136.0
DEKALB	DKC67-23	160.8	117.6	150.5	143.0
DEKALB	DKC67-87	162.4	118.3	157.6	146.1
Dyna-Gro	58P59	158.7	120.6	139.7	139.6
Dyna-Gro	DG57K33	163.8	122.8	150.3	145.6
Dyna-Gro	DG57K58	173.9	118.5	148.6	147.0
Dyna-Gro	DG57N96	158.4	121.3	138.8	139.5
Dyna-Gro	DG57P12	154.3	118.7	147.4	140.1
Dyna-Gro	DG58K02	158.4	121.1	143.6	141.0
Dyna-Gro	DG58K40	149.0	109.0	136.9	131.6
Dyna-Gro	DG58P60	164.2	111.5	156.8	144.2
Golden Acres	GA 2841RRB	158.7	118.9	143.2	140.2
Golden Acres	GA2831RRB	162.9	125.0	159.5	149.1
NK Brand	N68-B8	156.4	106.5	141.2	134.7
Pioneer	31G71	160.3	126.6	150.5	145.8
Pioneer	31G96	171.1	124.8	142.3	146.1
Pioneer	33M57	153.5	117.9	149.0	140.1
Pioneer	33N58	164.8	117.6	162.7	148.4
Terral	TV25BR23	164.1	121.2	148.6	144.6
Terral	TV25BR71	169.8	123.1	142.5	145.1
Terral	TV25R31	170.2	118.2	150.3	146.2
Terral	TV26BR41	169.9	117.9	155.8	147.9
Terral	TV26BR61	160.8	122.2	156.4	146.4
Overall Mean		159.9	116.9	147.7	141.5

Table 4. Three-year corn hybrid yield summary for dryland locations.

Brand	Hybrid number	Aberdeen	Brooksville	Overall average
		bu/A	*bu/A*	*bu/A*
Belle	Belle 1533Y	163.2	96.9	130.1
Belle	Belle 1545RY	160.2	104.0	132.1
Croplan Genetics	851VT3	152.9	107.2	130.1
DEKALB	DKC66-23	148.7	100.9	124.8
DEKALB	DKC67-23	156.7	105.7	131.2
Dyna-Gro	DG58P59	160.6	102.0	131.3
Dyna-Gro	DG57K58	166.7	103.1	134.9
Dyna-Gro	DG57N96	153.5	118.2	135.9
Dyna-Gro	DG57P12	154.4	101.2	127.8
Dyna-Gro	DG58K02	152.3	113.7	133.0
Dyna-Gro	DG58P60	153.0	103.7	128.4
Pioneer	31G96	162.5	122.1	142.3
Terral	TV25BR23	157.2	113.6	135.4
Terral	TV25R31	162.4	112.0	137.2
Terral	TV26BR41	162.1	107.4	134.8
Terral	TV26BR61	159.3	113.4	136.4
Overall Mean		157.9	107.8	132.8

Table 5. 2008 corn hybrid yield summary for irrigated locations.

Brand	Hybrid number	Stoneville	Yazoo City	Overall average
		bu/A	*bu/A*	*bu/A*
AgriGold	A6633VT3	177.0	137.0	157.0
AgriGold	A6479VT3	186.9	175.3	181.1
AgriGold	A6489VT3	180.6	170.7	175.7
AgriGold	A6632VT3	182.4	135.3	158.9
Belle	Belle 1533Y	170.9	—	—
Belle	Belle 1545RY	165.9	173.1	169.5
Belle	Belle 1646RY	169.9	160.0	165.0
Belle	Belle 1844RY	155.9	156.3	156.1
Belle	Belle 1147RY	166.6	152.3	159.5
Belle	Belle 1722R	158.1	155.2	156.7
Belle	Belle 1626R	166.2	161.4	163.8
B-H Genetics	BH 9078RR/PL	160.7	146.4	153.6
B-H Genetics	BH 8895VT3	175.8	154.3	165.1
B-H Genetics	BH 8914VT3	172.4	155.8	164.1
B-H Genetics	BH 9015RR/YGCB	171.4	160.4	165.9
B-H Genetics	XP 7005RR/HX	167.1	150.0	158.6
B-H Genetics	XP 7066RB	171.5	154.7	163.1
Bio Gene	BG83V08	162.1	136.0	149.1
BioGene	BG 84V09	186.0	170.7	178.4
Croplan Genetics	851VT3	172.3	173.0	172.7
Croplan Genetics	6831TS	170.5	165.6	168.1
Croplan Genetics	6818TS	172.8	149.4	161.1
Croplan Genetics	6150VT3	172.9	158.2	165.6
Croplan Genetics	691RR	177.1	165.0	171.1
Croplan Genetics	7505VT3	164.4	157.9	161.2
Crow's	4846T	180.7	165.3	173.0
DEKALB	DKC67-23	197.2	173.9	185.6
DEKALB	DKC66-23	192.3	156.5	174.4
DEKALB	DKC67-87	184.8	172.0	178.4
DEKALB	DEKALB RX715VT3	183.6	164.5	174.1
DEKALB	DKC61-19	176.8	158.3	167.6
DEKALB	DKC61-69	180.6	148.3	164.5
DEKALB	DKC62-99	179.9	121.6	150.8
DEKALB	DKC63-42	147.5	147.9	147.7
DEKALB	DKC64-79	169.5	161.2	165.4
DEKALB	DKC69-40	169.6	153.8	161.7
Dyna-Gro	58P59	181.4	151.6	166.5
Dyna-Gro	DG57N96	164.9	—	—
Dyna-Gro	DG57K58	173.6	155.6	164.6
Dyna-Gro	DG57P12	176.1	167.4	171.8
Dyna-Gro	DG58P60	174.0	173.8	173.9
Dyna-Gro	DG58K02	170.2	176.2	173.2
Dyna-Gro	DG57K33	171.4	169.3	170.4
Dyna-Gro	DG58K40	167.8	150.1	159.0

Table 5 (continued). 2008 corn hybrid yield summary for irrigated locations.

Brand	Hybrid number	Stoneville	Yazoo City	Overall average
		bu/A	*bu/A*	*bu/A*
Dyna-Gro	DG58P45	172.9	151.0	162.0
Dyna-Gro	DG57V05	169.8	159.4	164.6
Dyna-Gro	DG57V85	170.1	158.5	164.3
Dyna-Gro	DG58K81	167.1	155.9	161.5
Dyna-Gro	DG58P27	174.8	172.2	173.5
Dyna-Gro	DG58V24	174.1	164.4	169.3
Dyna-Gro	DG57V21	166.2	146.2	156.2
Garst	82R45GT	183.7	164.9	174.3
Golden Acres	GA2831RRB	185.1	157.7	171.4
Golden Acres	GA26Z17	177.4	152.8	165.1
Golden Acres	GA28Z89	170.0	157.2	163.6
NK Brand	N68-B8	170.3	—	—
NK Brand	NK N77P-GT/CB/LL	182.4	157.1	169.8
NK Brand	NK N78N-GT/CB/LL	179.6	171.1	175.4
NK Brand	NK NX7976	183.3	—	—
Pioneer	31G96	204.2	186.7	195.5
Pioneer	32B29	178.8	167.5	173.2
Pioneer	33N58	185.9	174.9	180.4
Pioneer	33M57	191.3	168.4	179.9
Pioneer	31N26	184.4	160.5	172.5
Pioneer	34F96	160.2	152.5	156.4
Pioneer	31P42	197.5	174.0	185.8
Terral	TV25BR23	183.1	164.1	173.6
Terral	TV25R31	174.0	175.5	174.8
Terral	TV26BR41	168.2	158.7	163.5
Terral	TV26BR61	174.1	167.3	170.7
Terral	TV25BR71	160.9	166.4	163.7
Terral	TVX27BR84	173.3	157.9	165.6
Terral	TV26TR41	177.0	167.4	172.2
Terral	TVX28R92	174.0	162.9	168.5
Terral	TV24R83	185.5	157.9	171.7
Terral	TV26R73	170.7	160.0	165.4
Terral	TVX22TR86	167.6	167.7	167.7
USG	82C00	193.1	—	—
USG	80B00	191.8	—	—
Overall Mean		175.2	160.4	168.5
LSD (.10)		12.0	14.8	
Error degrees of freedom		234	219	
CV (%)		5.9	7.9	
R^2 (%)		58	52	

Table 6. Two-year corn hybrid yield summary for irrigated locations.

Brand	Hybrid number	Stoneville	Yazoo City	Overall average
		bu/A	*bu/A*	*bu/A*
AgriGold	A6633VT3	204.4	182.0	193.2
Belle	Belle 1533Y	202.8	—	—
Belle	Belle 1545RY	198.7	204.6	201.6
Belle	Belle 1646RY	202.0	202.4	202.2
Belle	Belle 1844RY	199.2	188.5	193.9
Belle	Belle 1147RY	198.2	185.9	192.0
Belle	Belle 1722R	205.3	186.7	196.0
Bio Gene	BG83V08	201.8	191.2	196.5
Croplan Genetics	851VT3	209.4	189.5	199.4
Croplan Genetics	6831TS	204.5	206.9	205.7
Croplan Genetics	6818TS	203.8	187.6	195.7
Crow's	4846T	210.7	202.0	206.3
DEKALB	DKC67-23	204.9	198.3	201.6
DEKALB	DKC66-23	222.3	197.4	209.8
DEKALB	DKC67-87	219.9	195.0	207.4
DEKALB	DEKALB RX715VT3	212.8	201.1	206.9
Dyna-Gro	58P59	216.4	188.1	202.2
Dyna-Gro	DG57N96	199.6	—	—
Dyna-Gro	DG57K58	208.0	201.5	204.8
Dyna-Gro	DG57P12	206.2	202.2	204.2
Dyna-Gro	DG58P60	210.8	196.1	203.5
Dyna-Gro	DG58K02	192.7	199.9	196.3
Dyna-Gro	DG57K33	203.1	198.0	200.5
Dyna-Gro	DG58K40	214.2	190.1	202.1
Dyna-Gro	DG58P45	210.5	190.9	200.7
Golden Acres	GA2831RRB	212.7	195.6	204.2
NK Brand	N68-B8	199.6	—	—
Pioneer	31G96	228.3	205.0	216.6
Pioneer	32B29	205.0	205.4	205.2
Pioneer	33N58	214.2	213.6	213.9
Pioneer	33M57	211.3	205.6	208.5
Pioneer	31N26	225.2	196.5	210.8
Terral	TV25BR23	209.4	193.9	201.7
Terral	TV25R31	198.8	202.7	200.8
Terral	TV26BR41	206.5	199.9	203.2
Terral	TV26BR61	194.5	195.2	194.9
Terral	TV25BR71	190.9	194.5	192.7
Overall Mean		201.5	193.6	197.5

Table 7. Three-year corn hybrid yield summary for irrigated locations.

Brand	Hybrid number	Stoneville	Yazoo City	Overall average
		bu/A	*bu/A*	*bu/A*
Belle	Belle 1533Y	221.7	240.3	231.0
Belle	Belle 1545RY	213.1	224.0	218.6
Croplan Genetics	851VT3	234.7	213.5	224.1
DEKALB	DKC67-23	227.9	205.2	216.5
DEKALB	DKC66-23	238.7	216.6	227.7
Dyna-Gro	58P59	238.1	219.2	228.7
Dyna-Gro	DG57N96	217.0	243.6	230.3
Dyna-Gro	DG57K58	229.0	221.4	225.2
Dyna-Gro	DG57P12	217.8	222.2	220.0
Dyna-Gro	DG58P60	233.6	213.0	223.3
Dyna-Gro	DG58K02	218.2	219.5	218.9
Golden Acres	GA2831RRB	230.1	208.6	219.3
Pioneer	31G96	249.4	222.8	236.1
Pioneer	32B29	231.6	234.7	233.2
Terral	TV25BR23	228.1	212.0	220.1
Terral	TV25R31	209.3	224.6	216.9
Terral	TV26BR41	221.8	220.7	221.2
Terral	TV26BR61	213.7	222.7	218.2
Overall Mean		226.3	221.4	223.8

CLIFTON FARMS, HERNANDO

Crop Summary

Heavy rains during early April caused stand failure to the initial planting. Plots were replanted and achieved a suitable plant stand. Dry conditions generally persisted during the season, but timely late-season rains enhanced corn productivity. All plots were harvested with no problems or weather delays.

Soil type	**Memphis silt loam**
Soil pH	**5.9**
Soil fertility	**P=M; K=M**
Fertilizer added	**N @ 150 lb/A + P_2O_5 @ 40 lb/A + K_2O @ 60 lb/A**
Herbicide application	**Preemergence — Atrazine @ 1 qt/A; Dual II Magnum @ 1.5 pt/A + Roundup Weathermax @ 22 oz/A**
	Postemergence — Steadfast @ .75 oz/A + Atrazine @ 1 qt/A + 1% Crop Oil
Previous crop	**Soybeans**
Planting date	**May 1**
Harvest date	**September 22**

Rainfall Summary

	Inches
April	**4.50**
May	**2.16**
June	**1.66**
July	**3.48**
August	**8.86**
September	**3.08**
Total	**23.75**

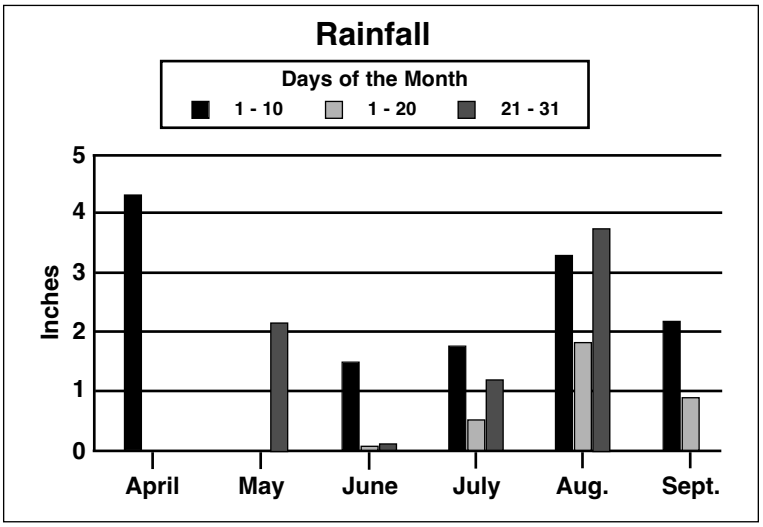


Table 8. Results from 77 corn hybrids grown without irrigation on a Collins silt loam soil near Hernando, DeSoto County, 2008.[1]

Brand name	Hybrid number	2008 yield	2-year average	3-year average[2]	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
AgriGold	A6489VT3	162.4	—	—	38	20.3	30
NK Brand	NK N77P-GT/CB/LL	152.6	—	—	42	20.3	28
Pioneer	33N58	151.6	162.7	—	46	19.8	25
Dyna-Gro	DG58P60	151.5	156.8	—	49	24.7	31
USG	82C00	150.2	—	—	44	20.6	29
Dyna-Gro	DG58V24	150.0	—	—	45	19.6	31
Crow's	4846T	149.0	161.4	—	34	19.7	26
Crow's	5291B	147.6	—	—	35	22.0	27
Terral	TV25R31	145.2	150.3	—	45	23.2	29
NK Brand	N68-B8	145.0	141.2	—	32	16.8	28
DEKALB	DKC61-69	144.9	—	—	37	18.1	26
Golden Acres	GA2831RRB	144.4	159.5	—	35	19.4	30
Croplan Genetics	6818TS	144.4	154.1	—	42	21.6	31
DEKALB	DKC61-19	144.3	—	—	40	19.5	26
DEKALB	DEKALB RX715VT3	144.0	149.2	—	34	19.7	26
DEKALB	DKC66-23	143.9	150.7	—	43	21.9	26
Croplan Genetics	851VT3	143.4	141.4	—	40	19.0	27
AgriGold	A6455VT3	143.1	155.8	—	40	17.9	26

[1]Planted May 1; harvested September 22.
[2]No 3-year yields.

Table 8 (continued). Results from 77 corn hybrids grown without irrigation on a Collins silt loam soil near Hernando, DeSoto County, 2008.[1]

Brand name	Hybrid number	2008 yield	2-year average	3-year average[2]	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Terral	TVX22TR86	142.6	—	—	45	18.2	29
DEKALB	DKC64-79	141.9	—	—	43	19.7	27
Terral	TV26BR41	141.8	155.8	—	42	22.9	27
Pioneer	31P42	141.5	—	—	39	21.0	25
Terral	TV25BR23	141.2	148.6	—	37	18.9	30
Belle	Belle 1533Y	141.2	154.4	—	42	21.2	27
DEKALB	DKC62-99	140.7	—	—	37	19.2	26
Dyna-Gro	DG58P45	140.6	151.5	—	57	23.7	27
USG	80B00	139.1	—	—	42	20.2	27
DEKALB	DKC63-42	138.9	—	—	47	19.2	26
DEKALB	DKC67-23	137.8	150.5	—	44	21.0	26
Dyna-Gro	DG57K58	137.7	148.6	—	43	18.7	30
Dyna-Gro	DG57K33	136.7	150.3	—	38	20.4	26
Croplan Genetics	6150VT3	135.1	—	—	36	19.1	28
Dyna-Gro	58P59	134.8	139.7	—	40	20.5	26
DEKALB	DKC67-87	134.7	157.6	—	42	22.7	26
Merschman	M-314A-10	134.6	—	—	41	21.6	29
DEKALB	DKC64-24	134.4	—	—	34	19.5	26
Dyna-Gro	DG57P12	134.2	147.4	—	46	21.8	25
Pioneer	33M57	133.9	149.0	—	37	20.1	25
Terral	TV26TR41	133.9	—	—	44	22.1	24
Pioneer	31G71	133.3	150.5	—	38	22.6	26
Terral	TV26BR61	132.2	156.4	—	36	26.5	28
Croplan Genetics	6831TS	131.3	145.9	—	43	21.3	32
AgriGold	A6479VT3	130.8	—	—	41	20.6	26
Golden Acres	GA27Z07	130.5	—	—	40	20.8	29
Croplan Genetics	7505VT3	129.8	—	—	37	19.9	26
Dyna-Gro	DG57V21	129.8	—	—	38	19.9	30
Belle	Belle 1545RY	129.1	141.0	—	46	21.5	26
Terral	TV25BR71	129.0	142.5	—	39	23.8	25
Golden Acres	GA2821RLH	129.0	—	—	44	20.9	27
Golden Acres	GA 2841RRB	128.7	143.2	—	39	19.3	29
Stine	Stine 9806VT3	127.7	—	—	37	20.1	29
Terral	TV24R83	127.5	—	—	38	19.1	26
Pioneer	34F96	126.5	—	—	27	19.5	25
Merschman	M-816A	126.4	—	—	46	22.1	25
Belle	Belle 1646RY	125.5	143.4	—	41	20.5	25
Terral	TV26R73	124.9	—	—	42	19.9	26
Dyna-Gro	DG57V85	124.0	—	—	44	19.9	25
Pioneer	31G96	122.4	142.3	—	44	20.0	26
Belle	Belle 1147RY	122.2	135.4	—	48	17.1	27
Terral	TVX27BR84	121.7	—	—	43	21.5	29
AgriGold	A6522BtRR	121.5	—	—	39	20.1	26
Crow's	5304VT3	120.9	—	—	36	20.8	24
Belle	Belle 1844RY	120.8	137.2	—	45	21.8	26
AgriGold	A6639VT3	120.1	142.3	—	40	21.1	25
Belle	Belle 1722R	118.9	132.7	—	46	20.7	24
Dyna-Gro	DG58K02	118.8	143.6	—	50	23.1	28
Belle	Belle 1626R	118.5	—	—	40	18.3	27
DEKALB	DKC65-44	118.3	—	—	38	19.7	22
Dyna-Gro	DG58K81	118.2	—	—	47	19.7	30
Dyna-Gro	DG58P27	117.9	—	—	44	24.9	26
Terral	TVX28R92	117.6	—	—	35	24.0	30
Dyna-Gro	DG57N96	117.4	—	—	41	20.3	27
DEKALB	DKC69-40	117.0	—	—	34	22.1	25
Dyna-Gro	DG58K40	114.0	136.9	—	46	21.3	26
Croplan Genetics	691RR	110.9	—	—	37	18.9	26
Dyna-Gro	DG57V05	106.8	—	—	40	20.9	23
NK Brand	NK NX7976	96.0	—	—	35	21.8	24
Overall mean		132.6	148.0	—			
LSD (.10)		23.5					
Error degrees of freedom		228					
CV (%)		15.2					
R^2 (%)		33					

[1]Planted May 1; harvested September 22.
[2]No 3-year yields.

MAFES Black Belt Branch, Brooksville

Crop Summary

This location was planted relatively early and established a good stand despite substantial rainfall during the early season. Below-average rainfall during June and July caused substantial drought stress during the critical grain filling stages.

Soil type	**Brooksville silty clay**
Soil pH	**6.7**
Soil fertility	**P=M, K=M**
Fertilizer added	**Preplant — 13-13-13 @ 500 lb/A; Sidedress — N @ 200 lb/A**
Herbicide application	**Preemergence — Atrazine @ 2 qt/A; Dual II Magnum @ 1 qt/A + Roundup Weathermax @ 22 oz/A**
Previous crop	**Soybeans**
Planting date	**March 26**
Harvest date	**August 18**

Rainfall Summary

	Inches
April	**4.85**
May	**5.26**
June	**0.74**
July	**3.46**
August	**8.07**
Total	**22.38**

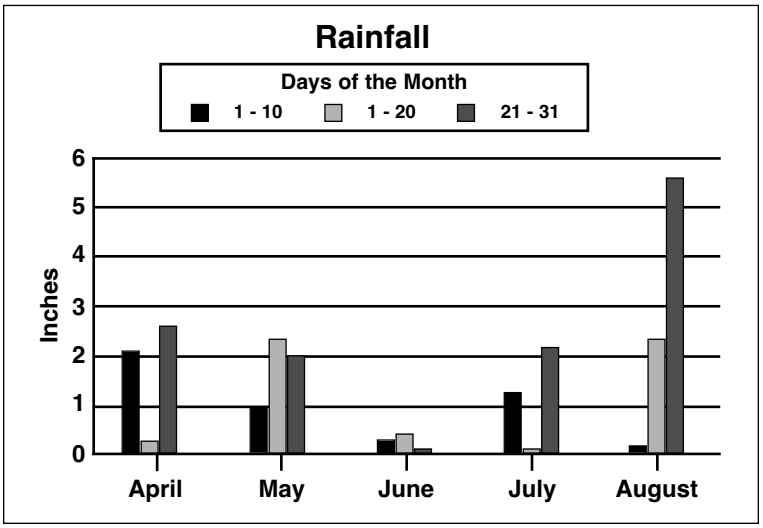


Table 9. Results from 77 corn hybrids grown without irrigation on a Brooksville silty clay soil at the MAFES Black Belt Branch, Brooksville, 2008.[1]

Brand name	Hybrid number	2008 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Terral	TV24R83	125.1	—	—	37	14.8	29
Pioneer	31G96	117.8	124.8	122.1	41	15.6	28
USG	80B00	116.5	—	—	34	15.7	28
USG	82C00	116.2	—	—	39	15.8	29
AgriGold	A6489VT3	115.1	—	—	33	15.7	32
NK Brand	NK N77P-GT/CB/LL	113.3	—	—	33	15.7	31
Belle	Belle 1626R	110.2	—	—	38	15.2	29
DEKALB	DKC69-40	110.0	—	—	32	17.8	29
Pioneer	31P42	109.6	—	—	34	15.9	28
Golden Acres	GA2831RRB	107.4	125.0	—	30	16.0	31
Pioneer	31G71	107.4	126.6	—	34	15.6	28
Terral	TV25BR71	106.0	123.1	—	39	15.8	30
Dyna-Gro	DG57K33	105.8	122.8	—	45	15.3	31
Croplan Genetics	691RR	104.7	—	—	33	15.8	28
Croplan Genetics	7505VT3	104.2	—	—	41	16.1	32
Pioneer	33M57	103.6	117.9	—	41	15.7	29
Crow's	5304VT3	102.5	—	—	35	15.8	29

[1]Planted March 26; harvested August 18.

Table 9 (continued). Results from 77 corn hybrids grown without irrigation on a Brooksville silty clay soil at the MAFES Black Belt Branch, Brooksville, 2008.[1]

Brand name	Hybrid number	2008 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
DEKALB	DKC61-19	101.8	—	—	24	15.4	28
Terral	TV26BR61	100.8	122.2	113.4	36	15.8	31
AgriGold	A6522BtRR	100.4	—	—	36	15.4	30
AgriGold	A6455VT3	99.3	113.1	—	33	15.1	31
Golden Acres	GA2821RLH	98.5	—	—	29	15.2	31
Dyna-Gro	DG58K02	98.1	121.1	113.7	33	16.3	27
Croplan Genetics	6150VT3	97.6	—	—	37	15.5	30
Belle	Belle 1545RY	97.1	122.0	104.0	25	15.4	30
Dyna-Gro	58P59	96.7	120.6	102.0	30	15.3	29
Dyna-Gro	DG57N96	96.6	121.3	118.2	38	15.1	31
Dyna-Gro	DG57P12	96.6	118.7	101.2	37	15.1	32
Belle	Belle 1646RY	96.3	110.9	—	28	15.4	29
DEKALB	DKC64-79	95.8	—	—	35	15.5	29
DEKALB	DKC61-69	95.3	—	—	27	18.0	28
Terral	TV26R73	94.9	—	—	28	15.6	31
Croplan Genetics	851VT3	94.6	115.5	107.2	35	15.3	31
DEKALB	DKC62-99	94.4	—	—	27	15.5	29
DEKALB	DKC64-24	94.4	—	—	28	15.3	28
Pioneer	33N58	94.2	117.6	—	34	15.5	30
Merschman	M-816A	93.7	—	—	30	15.8	31
Crow's	4846T	93.6	117.3	—	44	15.2	29
Golden Acres	GA 2841RRB	93.4	118.9	—	28	15.4	32
Dyna-Gro	DG57K58	93.3	118.5	103.1	38	15.2	29
Golden Acres	GA27Z07	93.3	—	—	35	15.2	31
Belle	Belle 1147RY	92.0	117.7	—	39	15.1	29
Belle	Belle 1722R	90.9	113.1	—	40	15.8	28
NK Brand	NK NX7976	90.8	—	—	35	15.6	28
Belle	Belle 1533Y	90.7	115.3	96.9	25	15.4	30
Dyna-Gro	DG58K81	90.7	—	—	24	15.6	30
NK Brand	N68-B8	90.5	106.5	—	30	15.1	31
Dyna-Gro	DG58V24	90.4	—	—	29	15.2	31
Dyna-Gro	DG57V05	90.3	—	—	36	15.3	30
DEKALB	DEKALB RX715VT3	89.7	113.1	—	35	15.8	29
AgriGold	A6479VT3	89.6	—	—	40	15.3	33
Stine	Stine 9806VT3	89.6	—	—	32	15.2	32
Terral	TVX22TR86	89.6	—	—	39	15.1	32
Croplan Genetics	6831TS	89.4	116.0	—	36	14.3	32
DEKALB	DKC67-23	89.3	117.6	105.7	38	15.4	29
Dyna-Gro	DG58P27	88.5	—	—	41	15.6	29
Dyna-Gro	DG58K40	88.4	109.0	—	36	15.7	29
Terral	TV25BR23	87.3	121.2	113.6	32	15.3	32
Terral	TV26BR41	87.1	122.9	110.7	34	14.9	30
Dyna-Gro	DG57V21	86.8	—	—	29	15.2	31
Terral	TV25R31	86.5	118.2	112.0	36	16.3	31
Croplan Genetics	6818TS	85.8	112.5	—	31	15.7	32
DEKALB	DKC65-44	85.5	—	—	35	16.0	29
Merschman	M-314A-10	84.6	—	—	37	15.3	31
Dyna-Gro	DG58P60	84.2	111.5	103.7	35	17.7	27
DEKALB	DKC66-23	84.1	111.6	100.9	34	15.1	29
Dyna-Gro	DG58P45	83.6	112.2	—	36	15.9	30
DEKALB	DKC67-87	83.1	118.3	—	33	15.4	28
AgriGold	A6639VT3	82.9	113.7	—	33	15.7	32
Dyna-Gro	DG57V85	82.4	—	—	37	15.2	31
Crow's	5291B	82.1	—	—	35	15.7	29
Terral	TVX27BR84	81.5	—	—	38	16.0	30
Terral	TV26TR41	80.3	—	—	35	15.3	31
DEKALB	DKC63-42	77.8	—	—	21	15.0	29
Pioneer	34F96	75.9	—	—	39	15.3	28
Belle	Belle 1844RY	72.9	99.7	—	24	17.4	27
Terral	TVX28R92	72.0	—	—	48	15.5	31
Overall mean		94.4	117.0	108.0			
LSD (.10)		20.2					
Error degrees of freedom		228					
CV (%)		18.4					
R^2 (%)		39					

[1]Planted March 26; harvested August 18.

Chris Ausborn Farm, Aberdeen

Crop Summary

Corn was planted at an optimum time and emerged to an acceptable stand. Although rainfall during the summer months was not plentiful, timely rains enhanced crop productivity at this location.

Soil type	**Houston clay**
Soil pH	**7.8**
Soil fertility	**P=L; K=M**
Fertilizer added	**Preplant — 0-30-30 @ 250 lb/A + Zinc @ 1 lb/A** **Sidedress — N @ 200 lb/A**
Herbicide application	**Preemergence — Dual II Magnum @ 1 qt/A + Roundup Weathermax @ 22 oz/A** **Postemergence — Atrazine @ 2 qt/A + Accent @ .5 oz/A**
Previous crop	**Soybeans**
Planting date	**March 26**
Harvest date	**September 9**

Rainfall Summary

	Inches
April	**6.20**
May	**4.15**
June	**3.25**
July	**3.60**
August	**4.15**
Total	**21.35**

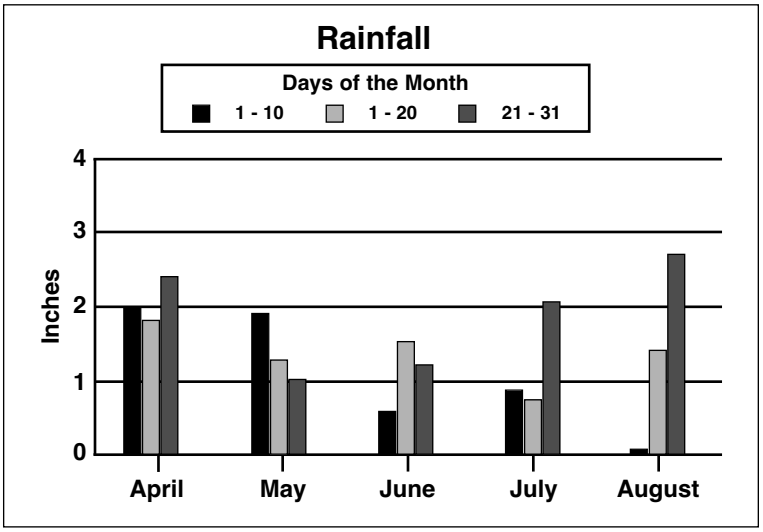


Table 10. Results from 77 corn hybrids grown without irrigation on a Houston clay soil near Aberdeen, Monroe County, 2008.[1]

Brand name	Hybrid number	2008 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Dyna-Gro	DG57K58	169.4	173.9	166.7	43	16.2	31
Terral	TV26TR41	166.8	—	—	35	16.5	32
Dyna-Gro	DG57K33	165.2	163.8	—	33	16.4	31
Terral	TV25R31	164.8	170.2	162.4	40	16.9	31
Pioneer	31G96	164.7	171.1	162.5	33	16.2	29
Golden Acres	GA27Z07	164.7	—	—	42	16.4	30
Merschman	M-816A	164.6	—	—	38	17.1	29
Terral	TV24R83	163.2	—	—	38	16.1	30
Terral	TV25BR71	162.0	169.8	—	34	16.7	29
Dyna-Gro	58P59	161.3	158.7	160.6	40	16.3	30
Belle	Belle 1533Y	161.3	166.5	163.2	38	16.5	31
Terral	TVX27BR84	160.2	160.2	—	37	16.9	31
Terral	TV26BR41	160.1	169.9	162.1	38	16.4	30
Dyna-Gro	DG58K02	160.1	158.4	—	43	16.8	28
Belle	Belle 1722R	160.0	160.4	—	33	17.0	28
Dyna-Gro	DG58P60	159.9	164.2	153.0	45	17.0	31
Belle	Belle 1545RY	159.8	165.8	160.2	48	16.4	29
Terral	TV26R73	159.4	—	—	34	17.1	30

[1]Planted March 26; harvested September 9.

Table 10 (continued). Results from 77 corn hybrids grown without irrigation on a Houston clay soil near Aberdeen, Monroe County, 2008.[1]

Brand name	Hybrid number	2008 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Belle	Belle 1646RY	158.5	160.0	—	42	16.3	30
Dyna-Gro	DG58K81	158.4	—	—	46	17.5	29
USG	80B00	158.3	—	—	35	16.5	31
AgriGold	A6489VT3	157.9	—	—	35	16.4	32
Golden Acres	GA2831RRB	157.5	162.9	—	46	16.2	26
Pioneer	31P42	157.5	—	—	35	16.6	33
Golden Acres	GA 2841RRB	156.9	158.7	—	48	16.1	29
USG	82C00	156.2	—	—	19	16.8	32
Dyna-Gro	DG57V05	155.7	—	—	29	16.4	32
Golden Acres	GA2821RLH	155.5	—	—	43	16.3	30
Dyna-Gro	DG57V85	155.5	—	—	28	16.1	32
Terral	TV25BR23	155.1	164.1	157.2	35	16.1	29
Belle	Belle 1626R	155.1	—	—	38	16.2	29
Dyna-Gro	DG58P27	155.1	—	—	44	17.2	32
Terral	TVX28R92	154.7	—	—	34	16.4	33
Croplan Genetics	6831TS	154.6	161.1	—	39	16.7	32
Croplan Genetics	6818TS	154.5	156.1	—	33	16.5	29
DEKALB	DKC64-79	154.5	—	—	47	16.3	31
Dyna-Gro	DG58V24	153.8	—	—	40	16.0	28
Pioneer	33N58	153.7	164.8	—	34	16.4	30
AgriGold	A6455VT3	153.6	157.1	—	32	15.8	32
AgriGold	A6479VT3	153.4	—	—	36	16.3	29
Belle	Belle 1844RY	152.9	154.6	—	43	16.9	29
Pioneer	33M57	152.8	153.5	—	34	17.0	30
Terral	TV26BR61	152.3	160.8	159.3	46	17.3	28
DEKALB	DEKALB RX715VT3	151.9	158.5	—	37	16.0	28
Pioneer	31G71	151.9	160.3	—	47	16.6	28
DEKALB	DKC67-87	151.5	162.4	—	40	17.1	31
Dyna-Gro	DG58P45	151.5	152.1	—	45	18.0	31
Croplan Genetics	6150VT3	151.1	—	—	38	16.0	31
Croplan Genetics	851VT3	149.9	159.4	152.9	37	16.3	30
Dyna-Gro	DG57N96	149.7	158.4	153.5	32	16.4	28
Croplan Genetics	691RR	149.1	—	—	37	16.1	31
Terral	TVX22TR86	148.6	—	—	33	16.0	28
NK Brand	NK NX7976	147.7	—	—	34	16.4	29
DEKALB	DKC67-23	147.4	160.8	156.7	38	17.6	29
DEKALB	DKC65-44	147.3	—	—	39	16.5	30
Merschman	M-314A-10	147.0	—	—	32	16.5	30
NK Brand	NK N77P-GT/CB/LL	146.7	—	—	38	16.4	30
Dyna-Gro	DG58K40	146.4	149.0	—	31	17.6	30
Dyna-Gro	DG57P12	146.0	154.3	154.4	40	16.4	29
DEKALB	DKC64-24	145.3	—	—	40	15.9	28
Crow's	4846T	143.5	155.7	—	41	15.9	31
AgriGold	A6522BtRR	143.3	—	—	39	16.2	30
NK Brand	N68-B8	142.9	156.4	—	40	15.9	28
DEKALB	DKC69-40	142.4	—	—	44	16.9	28
Crow's	5304VT3	141.2	—	—	37	16.3	29
Crow's	5291B	138.2	—	—	40	16.5	29
Pioneer	34F96	137.3	—	—	34	16.0	32
Stine	Stine 9806VT3	135.5	—	—	46	16.0	29
Belle	Belle 1147RY	134.3	146.5	—	43	15.8	31
Dyna-Gro	DG57V21	133.5	—	—	33	16.4	29
DEKALB	DKC66-23	131.9	145.6	148.7	35	17.0	28
DEKALB	DKC63-42	131.7	—	—	42	15.7	27
DEKALB	DKC61-19	130.1	—	—	38	15.8	33
AgriGold	A6639VT3	127.9	142.3	—	37	16.4	32
Croplan Genetics	7505VT3	122.1	—	—	38	16.3	29
DEKALB	DKC61-69	119.8	—	—	47	15.8	28
DEKALB	DKC62-99	94.7	—	—	45	16.2	28
Overall mean		150.5	159.7	158.2			
LSD (.10)		14.6					
Error degrees of freedom		228					
CV (%)		8.3					
R^2 (%)		60					

[1]Planted March 26; harvested September 9.

MAFES Brown Loam Branch, Raymond

Crop Summary

Corn was planted no-till into good soil moisture and established a good stand. Midsummer drought stressed the crops substantially and reduced grain yield potential. Plots were harvested with no weather delays.

Soil type	**Loring silt loam**
Soil pH	**6.2**
Soil fertility	**P=H; K=H**
Fertilizer added	**Preplant — N @ 170 lb/A**
Herbicide application	**Preemergence — Atrazine @ 1.5 qt/A; Dual II Magnum @ 1 qt/A + Roundup Weathermax @ 22 oz/A**
	Postemergence — Callisto @ 3 oz/A + Atrazine @ 8 oz/A
Previous crop	**Soybeans**
Planting date	**March 25**
Harvest date	**August 30**

Rainfall Summary

	Inches
April	**3.89**
May	**4.07**
June	**1.95**
July	**1.85**
August	**10.44**
Total	**22.20**

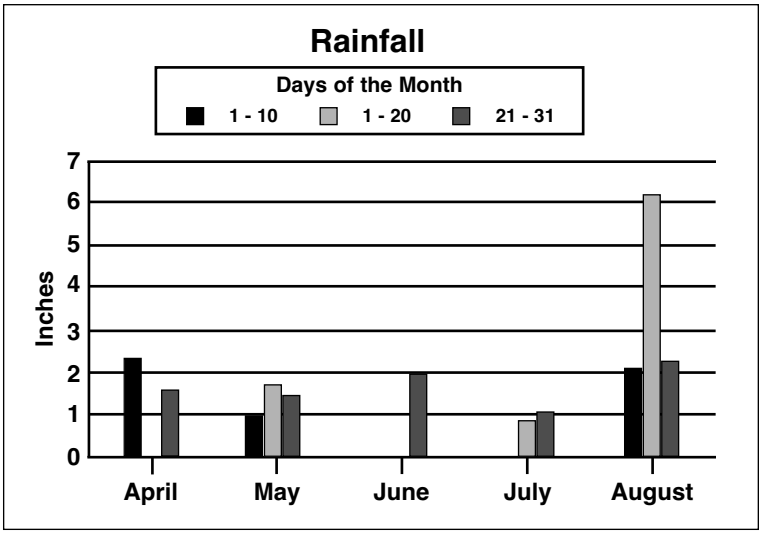


Table 11. Results from 77 corn hybrids grown without irrigation on a Loring silt loam soil at the MAFES Brown Loam Branch, Raymond, 2008.[1]

Brand name	Hybrid number	2008 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Pioneer	31G96	137.2	161.3	—	45	19.0	27
Pioneer	33M57	135.7	147.1	—	39	20.1	30
Pioneer	31G71	130.8	151.7	—	41	20.2	28
Dyna-Gro	DG58V24	129.8	—	—	35	19.6	26
AgriGold	A6489VT3	128.9	—	—	31	19.1	27
USG	80B00	128.1	—	—	49	18.8	26
Dyna-Gro	DG57P12	127.4	—	—	39	19.6	30
Terral	TV24R83	127.3	—	—	39	21.7	24
Terral	TV25BR71	126.6	—	—	33	20.4	28
Dyna-Gro	DG58P45	126.0	—	—	37	19.3	27
Golden Acres	GA2821RLH	125.6	—	—	36	19.7	31
NK Brand	NK N77P-GT/CB/LL	124.8	—	—	36	20.3	26
Pioneer	33N58	122.5	—	—	40	18.9	28
AgriGold	A6455VT3	121.6	—	—	33	18.8	29
Terral	TV25BR23	120.8	—	—	31	19.7	28
Dyna-Gro	DG57N96	120.6	—	—	36	19.1	30
Pioneer	31P42	120.0	—	—	42	20.5	27
Dyna-Gro	DG57V21	119.3	—	—	29	20.3	31

[1]Planted March 25; harvested August 30.

Table 11 (continued). Results from 77 corn hybrids grown without irrigation on a Loring silt loam soil at the MAFES Brown Loam Branch, Raymond, 2008.[1]

Brand name	Hybrid number	2008 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
AgriGold	A6479VT3	118.9	—	—	39	19.5	31
Golden Acres	GA27Z07	118.3	—	—	41	20.0	26
Belle	Belle 1626R	117.6	—	—	30	19.6	26
Belle	Belle 1722R	116.5	—	—	30	20.7	26
Dyna-Gro	DG58P60	116.3	142.9	151.6	48	20.3	31
Croplan Genetics	851VT3	116.0	146.7	156.6	34	20.1	24
Dyna-Gro	DG58K81	116.0	—	—	35	21.1	28
Terral	TV26BR41	115.9	—	—	33	20.9	30
DEKALB	DKC67-23	115.8	149.9	159.7	39	20.1	27
DEKALB	DKC67-87	115.3	144.7	—	45	20.1	27
Crow's	4846T	114.2	—	—	32	19.5	23
Dyna-Gro	DG58K02	113.8	129.6	142.1	38	19.3	22
NK Brand	N68-B8	113.6	—	—	33	19.2	26
Golden Acres	GA2831RRB	113.4	—	—	40	17.7	28
Dyna-Gro	DG57K33	113.2	—	—	33	19.2	27
DEKALB	DKC69-40	113.0	—	—	40	20.6	29
Dyna-Gro	DG57K58	112.7	—	—	36	18.3	28
Terral	TVX28R92	112.2	—	—	34	20.0	27
Terral	TV25R31	112.1	—	—	35	21.9	27
DEKALB	DKC66-23	112.1	—	—	35	19.1	24
DEKALB	DKC64-24	111.9	—	—	29	19.2	27
Terral	TVX22TR86	111.9	—	—	38	21.1	28
DEKALB	DKC64-79	111.7	—	—	36	18.9	26
Belle	Belle 1147RY	110.9	—	—	39	18.9	33
Stine	Stine 9806VT3	110.4	—	—	35	19.0	26
Pioneer	34F96	110.4	—	—	28	19.0	26
Dyna-Gro	DG57V85	110.1	—	—	35	19.2	30
DEKALB	DKC65-44	109.9	—	—	30	20.6	28
NK Brand	NK NX7976	109.4	—	—	37	20.5	27
USG	82C00	109.3	—	—	35	21.8	24
Croplan Genetics	6150VT3	109.3	—	—	32	19.4	28
Belle	Belle 1533Y	109.1	—	—	30	21.3	28
Dyna-Gro	58P59	109.0	148.2	160.6	42	17.9	25
Terral	TV26R73	108.7	—	—	40	20.1	27
Terral	TV26TR41	108.1	—	—	39	19.6	30
Dyna-Gro	DG57V05	108.0	—	—	33	18.8	30
DEKALB	DEKALB RX715VT3	107.4	—	—	37	18.9	27
Dyna-Gro	DG58K40	107.4	125.9	—	38	19.8	26
Golden Acres	GA 2841RRB	107.3	144.8	—	41	19.6	28
AgriGold	A6522BtRR	107.3	—	—	29	19.4	24
Terral	TV26BR61	106.2	—	—	36	19.1	28
Dyna-Gro	DG58P27	106.2	—	—	35	19.5	26
Belle	Belle 1646RY	104.8	—	—	40	18.2	26
Merschman	M-816A	103.5	—	—	43	18.9	27
Terral	TVX27BR84	103.4	—	—	42	18.5	31
Crow's	5291B	103.0	—	—	34	19.8	28
DEKALB	DKC61-69	103.0	—	—	38	18.0	27
Croplan Genetics	6818TS	101.1	—	—	32	21.2	27
Merschman	M-314A-10	100.1	—	—	32	19.6	27
Belle	Belle 1545RY	99.6	—	—	41	20.6	25
DEKALB	DKC61-19	99.0	—	—	36	18.5	27
Croplan Genetics	6831TS	98.3	—	—	35	19.9	30
DEKALB	DKC62-99	96.8	—	—	36	20.1	27
Croplan Genetics	691RR	96.8	—	—	34	18.5	28
Belle	Belle 1844RY	96.0	—	—	41	21.6	25
AgriGold	A6639VT3	92.4	—	—	35	19.7	31
Crow's	5304VT3	88.1	—	—	29	19.2	30
Croplan Genetics	7505VT3	82.4	—	—	31	21.8	28
DEKALB	DKC63-42	82.2	—	—	32	18.7	27
Overall mean		112.0	144.8	154.1			
LSD (.10)		15.3					
Error degrees of freedom		228					
CV (%)		11.7					
R^2 (%)		66					

[1]Planted March 25; harvested August 30.

Rob Coker Farm, Yazoo City

Crop Summary

Corn was planted into a stale seedbed following cotton. Conditions were optimum for germination, and plants emerged to a good stand. Due to wet conditions, an aerial application of glyphosate was inadvertently applied over the hybrid trials, which killed the conventional hybrids. Thus, no yields are reported for hybrids not possessing glyphosate-tolerance at this location. Timely irrigations resulted in excellent yields. Harvest was completed on time without weather delays.

Soil type . . . . . **Dundee silt loam**
Soil pH **6.4**
Soil fertility . . . . . **P=M; K=H**
Fertilizer added . . . . . **N @ 230 lb/A + P_2O_5 @ 23 lb/A**
Herbicide application . . . . **Roundup Weathermax @ 22 oz/A + Atrazine @ 1 qt/A + Resolve @ 1 oz/A on April 23**
Previous Crop . . . . . **Cotton**
Irrigation (Furrow) . . . . . **June 9, June 16, June 26, July 3, and July 16**
Planting date . . . . . **March 28**
Harvest date . . . . . **August 29**

Rainfall Summary

	Inches
April	8.42
May	10.63
June	2.37
July	3.09
August	10.69
Total	35.20

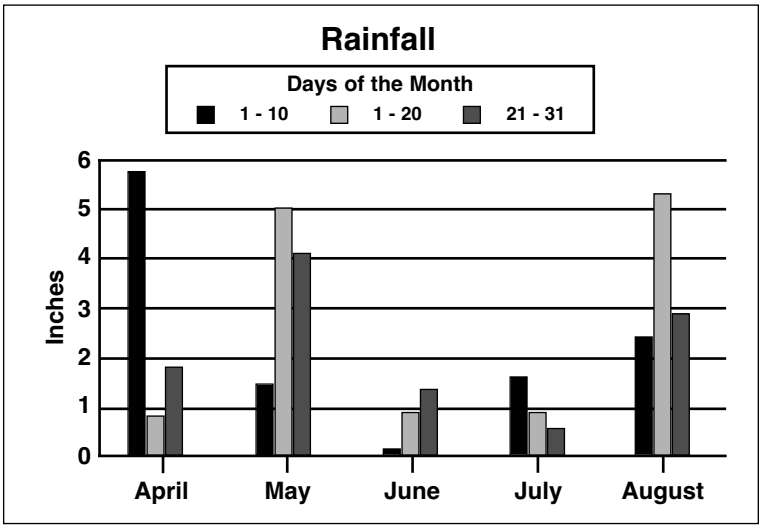


Table 12. Results from 73 corn hybrids grown with furrow irrigation on a Dundee silt loam soil near Yazoo City, Yazoo County, 2008.[1]

Brand name	Hybrid number	2008 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Pioneer	31G96	186.7	205.0	222.8	51	20.1	32
Dyna-Gro	DG58K02	176.2	199.9	219.5	42	21.7	27
Terral	TV25R31	175.5	202.7	224.6	46	21.8	32
AgriGold	A6479VT3	175.3	—	—	48	20.3	31
Pioneer	33N58	174.9	213.6	—	46	19.8	31
Pioneer	31P42	174.0	—	—	44	19.5	30
DEKALB	DKC67-23	173.9	198.3	205.2	49	20.5	32
Dyna-Gro	DG58P60	173.8	196.1	213.0	49	21.0	32
Belle	Belle 1545RY	173.1	204.6	224.0	43	20.3	29
Croplan Genetics	851VT3	173.0	189.5	213.5	45	20.1	30
Dyna-Gro	DG58P27	172.2	—	—	45	20.2	30
DEKALB	DKC67-87	172.0	195.0	—	50	21.1	31
NK Brand	NK N78N-GT/CB/LL	171.1	—	—	44	22.0	29
AgriGold	A6489VT3	170.7	—	—	47	19.2	32
BioGene	BG 84V09	170.7	—	—	47	19.5	31
Dyna-Gro	DG57K33	169.3	198.0	—	30	19.2	31
Pioneer	33M57	168.4	205.6	—	42	21.8	31
Terral	TVX22TR86	167.7	—	—	44	18.6	31
Pioneer	32B29	167.5	205.4	234.7	52	19.7	31

[1]Planted March 28; harvested August 29.

Table 12 (continued). Results from 73 corn hybrids grown with furrow irrigation on a Dundee silt loam soil near Yazoo City, Yazoo County, 2008.[1]

Brand name	Hybrid number	2008 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Dyna-Gro	DG57P12	167.4	202.2	222.2	42	19.9	32
Terral	TV26TR41	167.4	—	—	46	20.2	30
Terral	TV26BR61	167.3	195.2	222.7	45	21.1	29
Terral	TV25BR71	166.4	194.5	—	44	20.5	30
Croplan Genetics	6831TS	165.6	206.9	—	45	19.5	31
Crow's	4846T	165.3	202.0	—	43	19.2	31
Croplan Genetics	691RR	165.0	—	—	43	20.4	30
Garst	82R45GT	164.9	—	—	42	19.5	28
DEKALB	DEKALB RX715VT3	164.5	201.1	—	42	19.9	32
Dyna-Gro	DG58V24	164.4	—	—	45	19.2	31
Terral	TV25BR23	164.1	193.9	212.0	42	19.3	30
Terral	TVX28R92	162.9	—	—	35	21.5	30
Belle	Belle 1626R	161.4	—	—	38	19.4	28
DEKALB	DKC64-79	161.2	—	—	41	18.7	31
Pioneer	31N26	160.5	196.5	—	41	21.8	30
B-H Genetics	BH 9015RR/YGCB	160.4	—	—	50	20.5	30
Belle	Belle 1646RY	160.0	202.4	—	44	19.9	29
Terral	TV26R73	160.0	—	—	42	23.3	29
Dyna-Gro	DG57V05	159.4	—	—	38	20.3	32
Terral	TV26BR41	158.7	199.9	220.7	44	21.3	30
Dyna-Gro	DG57V85	158.5	—	—	44	18.8	30
DEKALB	DKC61-19	158.3	—	—	45	18.6	30
Croplan Genetics	6150VT3	158.2	—	—	38	19.7	32
Terral	TVX27BR84	157.9	—	—	44	21.9	30
Terral	TV24R83	157.9	—	—	45	20.0	30
Croplan Genetics	7505VT3	157.9	—	—	35	20.1	30
Golden Acres	GA2831RRB	157.7	195.6	208.6	36	20.0	31
Golden Acres	GA28Z89	157.2	—	—	50	22.5	30
NK Brand	NK N77P-GT/CB/LL	157.1	—	—	48	19.2	30
DEKALB	DKC66-23	156.5	197.4	216.6	39	21.5	31
Belle	Belle 1844RY	156.3	188.5	—	41	23.2	29
Dyna-Gro	DG58K81	155.9	—	—	42	22.9	31
B-H Genetics	BH 8914VT3	155.8	—	—	39	18.6	30
Dyna-Gro	DG57K58	155.6	201.5	221.4	45	20.4	31
Belle	Belle 1722R	155.2	186.7	—	44	22.5	29
B-H Genetics	XP 7066RB	154.7	—	—	46	22.1	31
B-H Genetics	BH 8895VT3	154.3	—	—	41	19.9	27
DEKALB	DKC69-40	153.8	—	—	43	20.7	31
Golden Acres	GA26Z17	152.8	—	—	42	19.9	31
Pioneer	34F96	152.5	—	—	40	19.0	32
Belle	Belle 1147RY	152.3	185.9	—	44	18.7	29
Dyna-Gro	58P59	151.6	188.1	219.2	46	19.1	30
Dyna-Gro	DG58P45	151.0	190.9	—	51	21.0	29
Dyna-Gro	DG58K40	150.1	190-.1	—	46	20.9	29
B-H Genetics	XP 7005RR/HX	150.0	—	—	50	24.9	29
Croplan Genetics	6818TS	149.4	187.6	—	41	21.6	30
DEKALB	DKC61-69	148.3	—	—	45	17.6	30
DEKALB	DKC63-42	147.9	—	—	38	19.8	31
B-H Genetics	BH 9078RR/PL	146.4	—	—	46	25.3	30
Dyna-Gro	DG57V21	146.2	—	—	39	19.4	31
AgriGold	A6633VT3	137.0	182.0	—	38	20.0	31
Bio Gene	BG83V08	136.0	191.2	—	38	20.2	31
AgriGold	A6632VT3	135.3	—	—	36	20.3	31
DEKALB	DKC62-99	121.6	—	—	34	19.3	32
Overall mean		160.4	196.9	218.8			
LSD (.10)		14.8					
Error degrees of freedom		219					
CV (%)		7.9					
R^2 (%)		52					

[1]Planted March 28; harvested August 29.

MAFES Delta Branch, Stoneville

Crop Summary

The crop was planted into a freshly prepared seedbed with adequate moisture for germination. April and May rainfall was above normal, with June and July lower than normal. Irrigation was initiated on June 14, and five furrow irrigations were applied by July 30.

Soil type	**Bosket very fine sandy loam**
Soil pH	**6.5**
Soil fertility	**P=H; K=H**
Fertilizer added	**N @ 100 lb/A on March 17 + N @ 150 lb/A on April 30**
Herbicide application	**Preemergence — Bicep II Magnum @ 2.4 qt/A Postemergence — Callisto @ 3 oz/A + Atrazine @ 8 oz/A**
Previous crop	**Soybeans**
Irrigation	**Five times from June 14 to July 30, 2008**
Planting date	**March 24**
Harvest date	**August 28**

Rainfall Summary

	Inches
April	**7.98**
May	**6.89**
June	**0.42**
July	**1.64**
August	**6.03**
Total	**22.96**

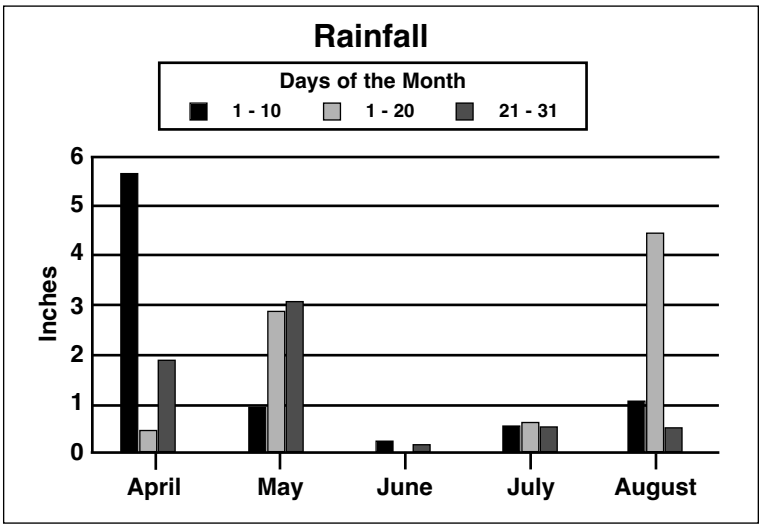


Table 13. Results from 79 corn hybrids grown with furrow irrigation on a Bosket very fine sandy loam soil at the MAFES Delta Branch Station, Stoneville, 2008.[1]

Brand name	Hybrid number	2008 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Pioneer	31G96	204.2	228.3	249.4	47	22.3	30
Pioneer	31P42	197.5	—	—	43	21.1	30
DEKALB	DKC67-23	197.2	204.9	227.9	46	22.0	29
USG	82C00	193.1	—	—	43	24.4	30
DEKALB	DKC66-23	192.3	222.3	238.7	42	22.5	31
USG	80B00	191.8	—	—	43	21.9	28
Pioneer	33M57	191.3	211.3	—	42	22.9	31
AgriGold	A6479VT3	186.9	—	—	40	21.5	32
BioGene	BG 84V09	186.0	—	—	46	22.7	31
Pioneer	33N58	185.9	214.2	—	42	19.4	30
Terral	TV24R83	185.5	—	—	49	21.2	28
Golden Acres	GA2831RRB	185.1	212.7	230.1	44	20.6	30
DEKALB	DKC67-87	184.8	219.9	—	47	24.0	31
Pioneer	31N26	184.4	225.2	—	40	23.4	30
Garst	82R45GT	183.7	—	—	46	21.2	27
DEKALB	DEKALB RX715VT3	183.6	212.8	—	39	21.3	29
NK Brand	NK NX7976	183.3	—	—	40	21.4	26
Terral	TV25BR23	183.1	209.4	228.1	42	22.3	31
AgriGold	A6632VT3	182.4	—	—	39	23.5	32

[1]Planted March 24; harvested August 28.

Table 13 (continued). Results from 79 corn hybrids grown with furrow irrigation on a Bosket very fine sandy loam soil at the MAFES Delta Branch Station, Stoneville, 2008.[1]

Brand name	Hybrid number	2008 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
NK Brand	NK N77P-GT/CB/LL	182.4	—	—	40	22.7	30
Dyna-Gro	58P59	181.4	216.4	238.1	41	22.2	30
Crow's	4846T	180.7	210.7	—	39	20.0	30
AgriGold	A6489VT3	180.6	—	—	38	21.8	32
DEKALB	DKC61-69	180.6	—	—	41	18.3	31
DEKALB	DKC62-99	179.9	—	—	40	21.2	31
NK Brand	NK N78N-GT/CB/LL	179.6	—	—	40	27.6	28
Pioneer	32B29	178.8	205.0	231.6	47	20.9	30
Golden Acres	GA26Z17	177.4	—	—	46	21.5	31
Croplan Genetics	691RR	177.1	—	—	38	21.6	31
AgriGold	A6633VT3	177.0	204.4	—	36	23.3	31
Terral	TV26TR41	177.0	—	—	40	22.5	29
DEKALB	DKC61-19	176.8	—	—	42	20.0	30
Dyna-Gro	DG57P12	176.1	206.2	217.8	43	23.7	31
B-H Genetics	BH 8895VT3	175.8	—	—	38	23.9	27
Dyna-Gro	DG58P27	174.8	—	—	41	25.0	28
Terral	TV26BR61	174.1	194.5	213.7	40	25.4	29
Dyna-Gro	DG58V24	174.1	—	—	44	23.0	31
Terral	TV25R31	174.0	198.8	209.3	40	25.4	30
Dyna-Gro	DG58P60	174.0	210.8	233.6	40	26.9	31
Terral	TVX28R92	174.0	—	—	34	23.0	31
Dyna-Gro	DG57K58	173.6	207.9	228.9	44	23.2	27
Terral	TVX27BR84	173.3	—	—	34	23.2	29
Dyna-Gro	DG58P45	172.9	210.5	—	47	23.4	29
Croplan Genetics	6150VT3	172.9	—	—	39	19.0	30
Croplan Genetics	6818TS	172.8	203.8	—	36	23.5	29
B-H Genetics	BH 8914VT3	172.4	—	—	41	20.2	29
Croplan Genetics	851VT3	172.3	209.4	234.7	44	25.3	29
B-H Genetics	XP 7066RB	171.5	—	—	46	24.9	30
Dyna-Gro	DG57K33	171.4	203.1	—	40	23.3	30
B-H Genetics	BH 9015RR/YGCB	171.4	—	—	44	24.1	29
Belle	Belle 1533Y	170.9	202.8	221.7	45	22.7	30
Terral	TV26R73	170.7	—	—	44	23.6	29
Croplan Genetics	6831TS	170.5	204.5	—	44	23.7	30
NK Brand	N68-B8	170.3	199.6	199.6	40	20.3	29
Dyna-Gro	DG58K02	170.2	192.7	218.2	43	24.6	27
Dyna-Gro	DG57V85	170.1	—	—	43	21.3	30
Golden Acres	GA28Z89	170.0	—	—	49	25.6	29
Belle	Belle 1646RY	169.9	202.0	—	42	24.8	29
Dyna-Gro	DG57V05	169.8	—	—	37	25.0	30
DEKALB	DKC69-40	169.6	—	—	39	24.1	30
DEKALB	DKC64-79	169.5	—	—	41	21.5	30
Terral	TV26BR41	168.2	206.5	221.8	45	23.9	30
Dyna-Gro	DG58K40	167.8	214.2	—	44	24.1	29
Terral	TVX22TR86	167.6	—	—	40	21.5	31
B-H Genetics	XP 7005RR/HX	167.1	—	—	45	29.2	28
Dyna-Gro	DG58K81	167.1	—	—	45	22.7	31
Belle	Belle 1147RY	166.6	198.2	—	42	20.2	27
Belle	Belle 1626R	166.2	—	—	44	23.1	28
Dyna-Gro	DG57V21	166.2	—	—	44	23.0	31
Belle	Belle 1545RY	165.9	198.7	213.1	43	24.2	28
Dyna-Gro	DG57N96	164.9	199.6	217.0	37	24.5	29
Croplan Genetics	7505VT3	164.4	—	—	36	22.1	31
Bio Gene	BG83V08	162.1	201.8	—	41	23.2	30
Terral	TV25BR71	160.9	190.9	—	41	28.0	30
B-H Genetics	BH 9078RR/PL	160.7	—	—	43	23.9	29
Pioneer	34F96	160.2	—	—	39	21.4	29
Belle	Belle 1722R	158.1	205.3	—	46	22.4	27
Belle	Belle 1844RY	155.9	199.2	—	42	23.6	26
DEKALB	DKC63-42	147.5	—	—	40	19.9	30
Overall mean		175.2	207.0	224.9			
LSD (.10)		12.0					
Error degrees of freedom		234					
CV (%)		5.9					
R^2 (%)		58					

[1]Planted March 24; harvested August 28.

TECHNICAL ADVISORY COMMITTEE

Joe Camp
Agriliance

Charlie Pilkington
Mississippi Corn Grower's Association

Billy Johnson
Senior Research Assistant
Coastal Plain Branch Experiment Station

Erick Larson
Associate Professor
MSU Plant and Soil Sciences

Charlie Stokes
Area Agronomy Agent
MSU Extension Service

Glover Triplett
Agronomist
MSU Plant and Soil Sciences

Dennis Rowe
Statistician
Experimental Statistics Unit
Mississippi State University

Paul Williams (Chair)
Research Geneticist
USDA Agricultural Research Service
Crop Science Research Laboratory

Mississippi State University

Printed on Recycled Paper