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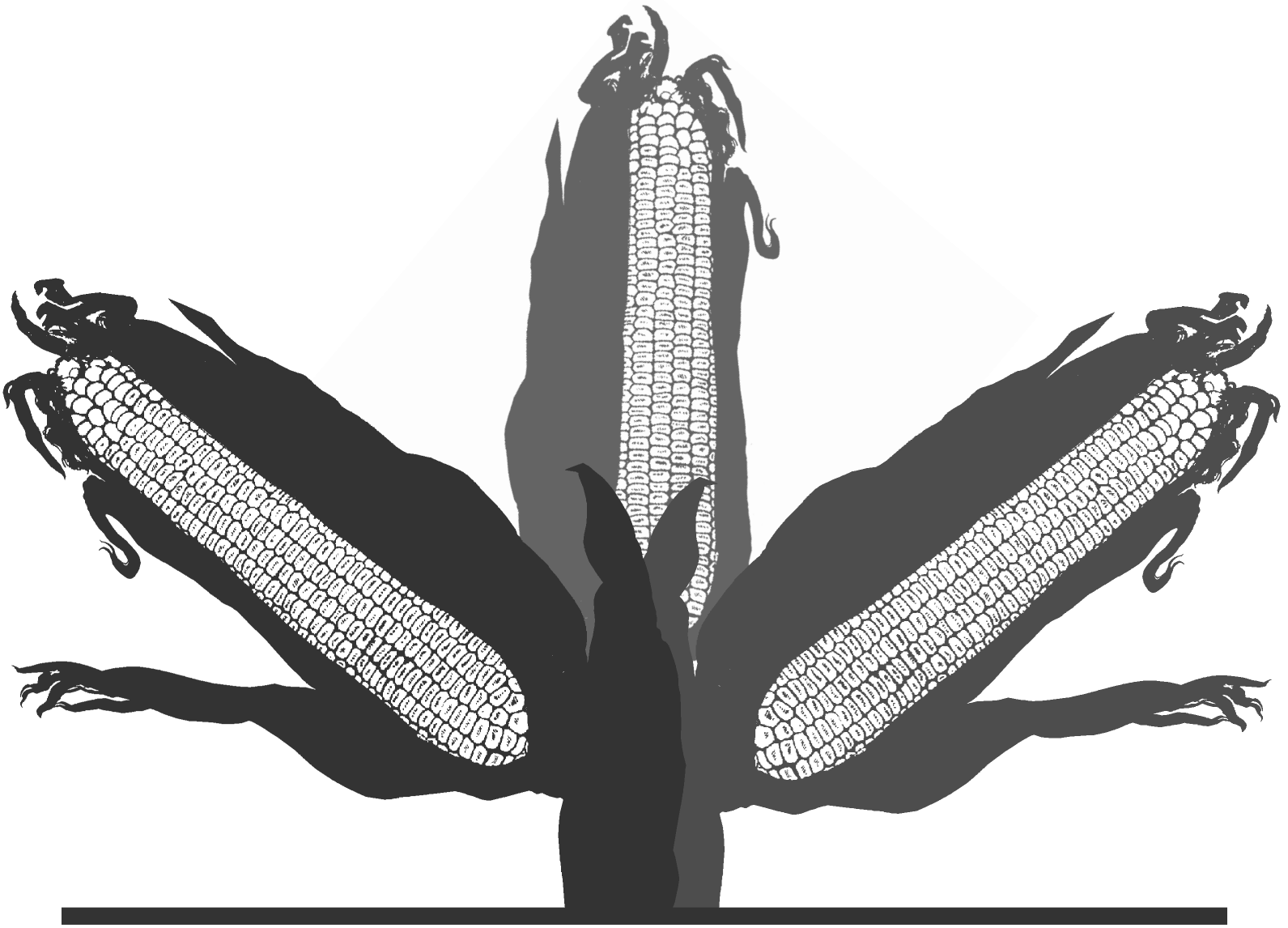
Corn for Grain



HYBRID TRIALS, 2010

MAFES

Mississippi Agricultural & Forestry Experiment Station • George M. Hopper, Interim Director

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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 2-3 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 2-3.

The Mississippi Corn Promotion Board provided funds for publishing these hybrid trial results.

Mississippi Corn for Grain Hybrid Trials, 2010

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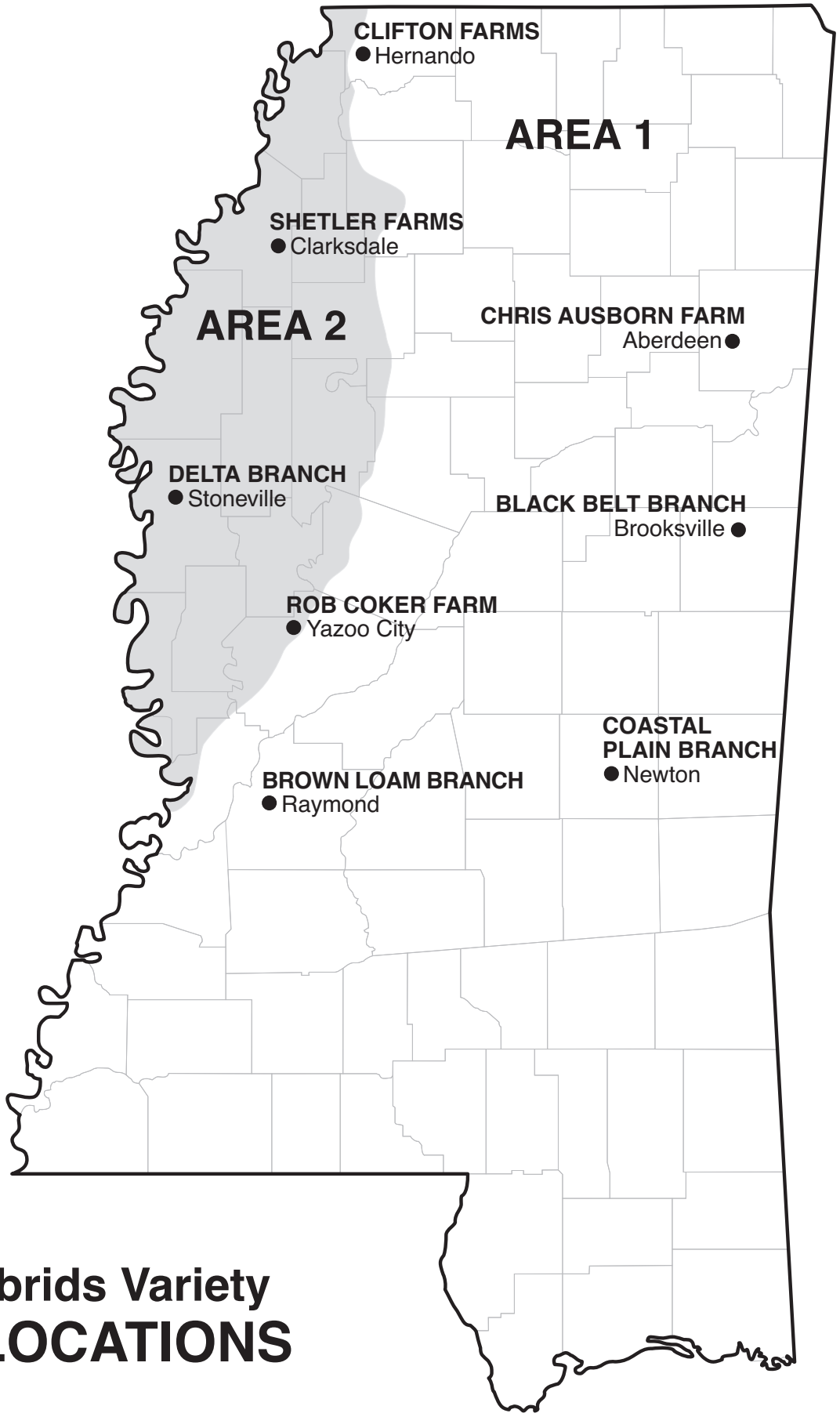

Corn Hybrids Variety
TEST LOCATIONS

Mississippi Corn for Grain Hybrid Trials, 2010

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 Area I or Area II or both.

Plots consisted of two 30-inch rows, 15 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 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% 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, 2010.

Company	Hybrid	Trait[1]	Planting rate (x1000)	Days to maturity
AgriGold Hybrids	A6479VT3	VT3	32	112
5381 Akin Rd.	A6489VT3	VT3	34	112
St. Francisville, IL 62460	A6533VT3	VT3	32	113
618-292-5844	A6553VT3	VT3	32	113
	A6632VT3Pro	VT3P	32	115
	A6633VT3	VT3	32	115
	A6839	Conv.	34	119
B-H Genetics	BH4920HX	HX/Bt	30	119
5933 FM1157	BH8895VTTP	VT3P	32	118
Ganado, TX 77962	BH8928VTTP	VT3P	34	118
832-344-6389	X9148G	RR	34	116
	X9150G	RR	32	116
Armor Southern Hybrids	Armor 1161PRO	VT3P	30	111
P.O. Box 178	Armor 1457VT3	VT3	30	114
Fisher, AR 72429	Armor 1511C		30	115
870-579-2286	Armor 1545PRO	VT3P	30	115
	Armor 1560PRO	VT3P	30	115
	Armor 1655PRO	VT3P	30	116
	Armor 1868PRO	VT3P	30	118
	Armor 1415PRO	VT3P	30	115
	Armor BXCO28VT3	VT3	30	116
	Armor 1539PRO	VT3P	30	116
	Armor BXGO80GT	RR	30	117
Bio Gene Seeds	BG 83V08	VT3	34	113
5477 Tri-County Hwy.	BG 83V10	VT3	34	113
Sardinia, OH 45171	BG 84V10	VT3	32	114
937-444-6362				
Crop Production Services	D56VP24	VT3P	30/34	116
/Dyna-Gro Seed	D56VP79	VT3P	30/34	116
P.O. Box 7	D58VP99	VT3P	30/34	118
Hollandale, MS 38748	DG57N73	Conv.	30/34	115
662-827-9969	DG57V05	VT3	30/34	115
	DG57V21	VT3	30/34	116
	DG57V40	VT3	30/34	111
	DG57V59	VT3	30/34	114
	DG58V69	VT3	30/34	119
	DG58V72	VT3	30/34	115
	DG V5373VT3	VT3	30/34	113
	DG V5683VT3	VT3	30/34	116
	D55Q80	3000GT	30/34	116
	D57GT60	GT	30/34	117

[1]RR = Incorporates Roundup Ready Technology; LL, L = Incorporates Liberty Link Technology; YGCB = Yield Guard Corn Borer Protection; HX = Herculex 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, 2010.

Company	Hybrid	Trait[1]	Planting rate (x1000)	Days to maturity
Croplan Genetics	851	VT3P	32	117
1409 Deering Street	8505	VT3P	34	117
Cleveland, MS 38732	8756	VT3P	34	118
901-233-9646	CPL 6725	VT3P	32	113
	CPL 6818	VT3	34	114
	CPL 6831	VT3	30	111
Delta Grow Seed	DG2827	Con	30	116
P.O. Box 219	DG2888	Gt	30	118
England, AR 72046	DG3788	Gt/Bt II	34	116
800-530-7933	DG3988	Gt	30	116
Golden Acres Genetics	GA 26V21	VT3P	34	115
P.O. Box 579	GA 26V31	VT3P	34	115
Buchanan Dam, TX 78609	GA 27V01	VT3P	32	117
512-793-5205	GA 28V81	VT3P	32	119
Merschman Seeds Inc.	M-816A-10	VT3	32	116
103 Ave. D	M-1015B-15	RR/Bt	32	115
West Point, IA 52656	M-1017A-14	Bt/LL	32	117
319-837-6111				
Monsanto Company	DKC61-05	GENVT3P	32/34	111
800 N. Lindbergh Blvd.	DKC61-35	GENVT3P	32/34	111
St. Louis, MO 63167	DKC61-69	VT3	32/34	111
800-768-6387	DKC62-97	GENVT3P	32/34	112
	DKC63-84	VT3	32/34	113
	DKC64-69	GENVT3P	32/34	114
	DKC66-96	GENVT3P	32/34	116
	DKC67-21	GENVT3P	32/34	117
	DKC67-88	GENVT3P	32/34	117
	DKC68-05	GENVT3P	32/34	118
Pioneer Hi-Bred Intl., Inc.	31D62	YGCB/RR2	32	120
700 Blvd South, Suite 302	31G96	HX1/LL/RR2	28/32	117
Huntsville, AL 35802	31P42	HX1/LL/RR2	28/32	119
800-331-2475	32B34	HX1/LL/RR2	32	118
	33F87	HX1/LL/RR2	28	114
	33N58	HX1/LL/RR2	28	113
	P1184HR	HX1/LL/RR2	28/32	111
	P1389HR	HX1/LL/RR2	32	113
	P1420HR	HX1/LL/RR2	32	114
	P1456HR	HX1/LL/RR2	32	114
	P1615HR	HX1/LL/RR2	28/32	116
	P1745HR	HX1/LL/RR2	28/32	117
	P2023HR	HX1/LL/RR2	32	120
Syngenta Seeds	NK N77P-3000GT	3000GT	30	114
130 Myra Shirey Lane	NK N78B-GT	GT	30	115
Bernice, LA 71222	NK N78N-3000GT	3000GT	32	115
318-372-3457	NK N78S-CB/LL	CB	32	116
	NK N82V-3000GT	3000GT	32	117
Terral Seed, Inc.	REV™ 25HR39™	HX1/LL/RR2	30	115
P.O. Box 826	REV™ 25HR49™	HX1/LL/RR2	30	115
Lake Providence, LA 71254	REV™ 25R19™	RR	30	115
318-559-2840	REV™ 25R29™	RR	30	115
	REV™ 26HR50™	HX1/LL/RR2	30	116
	REV™ 28HR20™	HX1/LL/RR2	30	118
	REV™ 28HR29™	HX1/LL/RR2	30	118
	REV™ 28HR30™	HX1/LL/RR2	30	118
	REV™ 28R30™	RR2	30	118
	REV™ 28R10™	RR	30	118

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

Table 2. 2010 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	A6479VT3	136.5	129.4	105.9	124.4	124.0
AgriGold	A6489VT3	164.2	130.9	104.1	124.1	130.8
AgriGold	A6533VT3	157.9	145.6	95.8	96.5	123.9
AgriGold	A6553VT3	135.4	124.4	84.9	115.1	114.9
AgriGold	A6632VT3	149.8	132.4	96.7	125.4	126.1
AgriGold	A6633VT3	152.3	128.4	76.5	102.3	114.9
AgriGold	A6839	158.7	133.6	106.1	100.8	124.8
Armor	Armor 1161PRO	139.4	142.0	125.5	97.0	126.0
Armor	Armor 1457VT3	139.7	115.0	62.3	129.5	111.6
Armor	Armor 1511C	159.0	104.1	120.5	58.0	110.4
Armor	Armor 1545VT3	132.8	124.0	95.6	73.1	106.4
Armor	Armor 1560PRO	124.5	112.5	67.5	80.9	96.3
Armor	Armor 1655PRO	162.5	126.0	116.6	124.0	132.3
Armor	Armor BXC028VT3	158.7	142.8	110.7	119.5	132.9
Armor	Armor BXG080GT	134.2	128.3	102.3	105.0	117.4
Croplan Genetics	8505VT3/P	163.0	142.5	107.9	116.1	132.4
Croplan Genetics	851VT3	159.6	119.1	70.3	89.2	109.5
Croplan Genetics	CPL 6725VT3/P	152.2	133.2	100.8	79.7	116.5
Croplan Genetics	CPL 6818VT3	145.6	133.3	106.7	122.1	126.9
Croplan Genetics	CPL 6831TS	148.5	139.4	114.8	118.3	130.3
Croplan Genetics	CPL 8756VT3	150.2	111.0	92.8	78.5	108.2
DEKALB	DKC61-05 (GENVT3P)	140.2	146.9	118.8	135.4	135.3
DEKALB	DKC61-35 (GENVT3P)	156.3	135.3	93.5	142.3	131.9
DEKALB	DKC61-69	151.6	123.9	85.6	116.3	119.3
DEKALB	DKC62-97 (GENVT3P)	159.5	134.0	116.4	114.9	131.2
DEKALB	DKC63-84	173.5	122.7	83.9	146.3	131.6
DEKALB	DKC64-69 (GENVT3P)	156.1	140.2	102.4	135.8	133.6
DEKALB	DKC66-96 (GENVT3P)	170.3	142.4	110.9	128.6	138.1
DEKALB	DKC67-21 (GENVT3P)	165.6	119.8	127.4	140.5	138.3
DEKALB	DKC67-88 (GENVT3P)	161.1	130.3	119.5	112.7	130.9
DEKALB	DKC68-05 (GENVT3P)	166.5	122.9	130.8	109.6	132.5
Delta Grow	DG 2827	150.8	131.0	125.4	128.0	133.8
Delta Grow	DG 2888	139.7	106.6	132.8	98.2	119.3
Delta Grow	DG 3788	146.3	99.4	125.6	83.3	113.6
Delta Grow	DG 3988	139.1	139.0	118.0	100.6	124.2
Dyna-Gro	D56VP24	166.5	130.6	94.3	106.1	124.4
Dyna-Gro	D56VP79	139.8	129.6	111.5	114.5	123.9
Dyna-Gro	D58VP99	148.2	128.6	126.6	128.0	132.9
Dyna-Gro	DG CX10015	156.3	83.5	95.9	95.9	107.9
Dyna-Gro	DG CX10617	139.5	94.5	94.5	90.7	104.8
Dyna-Gro	DG57N73	161.5	132.9	115.7	103.5	128.4
Dyna-Gro	DG57V05	151.1	133.5	98.9	86.7	117.6
Dyna-Gro	DG57V21	157.6	132.2	85.1	129.1	126.0
Dyna-Gro	DG57V40	145.6	124.3	107.3	111.3	122.1
Dyna-Gro	DG57V59	145.3	129.5	92.0	123.2	122.5
Dyna-Gro	DG58V69	147.3	93.7	87.1	74.5	100.6
Dyna-Gro	DG58V72	147.4	100.0	113.9	83.3	111.1
Dyna-Gro	V5373VT3	156.0	128.7	105.2	105.3	123.8
Dyna-Gro	V5683VT3	165.8	137.9	109.7	123.1	134.1
Golden Acres	GA 26V21	150.0	131.0	98.9	144.9	131.2
Golden Acres	GA26Y37	155.2	115.1	106.7	102.8	119.9
Golden Acres	GA27Z07	153.3	138.7	76.7	133.8	125.6
Golden Acres	GA28V87	155.4	128.1	115.9	70.8	117.5
MK Brand	N78B-GT	138.8	112.8	107.0	121.7	120.1
NK Brand	N77P-3000GT	144.1	121.5	102.0	112.7	120.1
Pioneer	31G96	137.5	114.9	112.5	137.1	125.5
Pioneer	31P42	141.1	100.3	98.4	115.7	113.9
Pioneer	33F87	150.3	146.9	107.8	118.5	130.9
Pioneer	33N58	153.4	142.3	134.3	102.4	133.1
Pioneer	P1184HR	146.9	122.1	103.4	120.9	123.3
Pioneer	P1615HR	151.6	110.5	123.0	103.0	122.0
Pioneer	P1745HR	146.8	131.5	110.7	110.8	125.0
REV	REV 25R19TM	167.1	115.7	114.3	111.6	127.2
REV	REV TM25HR39TM	131.9	129.0	111.9	88.4	115.3
REV	REV TM25HR49TM	146.2	132.3	85.5	125.8	122.5
REV	REV TM25R29TM	141.3	116.9	97.5	125.0	120.2
REV	REV TM26HR50TM	155.0	119.7	91.4	118.7	121.2
REV	REV TM28H29TM	149.6	109.7	133.3	114.4	126.8
REV	REV TM28HR20TM	157.9	119.0	112.4	143.6	133.2

Table 2 (continued). 2010 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*
REV	REV TM28HR30TM	145.4	96.2	111.5	122.1	118.8
REV	REV TM28R10TM	161.3	150.1	115.2	139.2	141.4
REV	REV TM28R30TM	143.8	102.6	115.6	70.7	108.2
Overall Mean		150.7	124.7	105.3	111.1	123.0
LSD (.10)		13.4	15.1	16.5	19.1	
Error degrees of freedom		213	213.0	213	72	
CV (%)		7.7	10.4	13.5	10.3	
R^2(%)		52.2	63.0	62.6	89	

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	A6479VT3	139.9	133.5	118.3	130.6
AgriGold	A6489VT3	163.1	134.2	119.1	138.8
AgriGold	A6533VT3	153.5	137.1	122.6	137.7
AgriGold	A6632VT3	146.8	134.5	95.1	125.5
AgriGold	A6633VT3	151.5	137.8	71.6	120.3
Armor	Armor 1161PRO	141.3	135.0	124.8	133.7
Armor	Armor 1457VT3	140.5	121.7	88.2	116.8
Armor	Armor 1511C	149.4	115.2	123.1	129.2
Armor	Armor 1545VT3	141.0	142.5	96.4	126.6
Armor	Armor 1655PRO	155.9	127.2	109.1	130.7
Croplan Genetics	CPL 6818VT3	153.7	136.8	111.4	134.0
Croplan Genetics	CPL 6831TS	149.1	141.1	104.2	131.5
Croplan Genetics	CPL 8756VT3	145.8	99.6	106.0	117.1
DEKALB	DKC63-84	174.0	117.1	107.7	132.9
Dyna-Gro	DG57N73	144.2	127.8	129.4	133.8
Dyna-Gro	DG57V05	145.6	132.6	82.2	120.1
Dyna-Gro	DG57V21	151.2	130.5	95.7	125.8
Dyna-Gro	DG57V40	144.7	124.5	121.1	130.1
Dyna-Gro	DG58V69	149.3	107.4	95.8	117.5
Dyna-Gro	DG58V72	154.0	111.6	123.7	129.8
Dyna-Gro	V5373VT3	157.8	125.8	100.7	128.1
Dyna-Gro	V5683VT3	176.9	130.1	89.8	132.3
Golden Acres	GA26Y37	139.7	113.9	111.7	121.8
Golden Acres	GA27Z07	149.4	137.5	93.6	126.8
Golden Acres	GA28V87	159.6	120.1	116.7	132.1
NK Brand	N77P-3000GT	137.2	115.8	120.8	124.6
Pioneer	31G96	156.5	132.7	121.9	137.0
Pioneer	31P42	154.6	116.3	116.2	129.0
Pioneer	33F87	150.9	127.6	108.2	128.9
Pioneer	33N58	163.3	140.6	118.0	140.6
REV	REV TM25HR39TM	141.0	113.5	129.5	128.0
REV	REV TM25HR49TM	147.4	116.6	116.0	126.7
REV	REV TM26HR50TM	152.1	111.9	102.3	122.1
REV	REV TM28HR20TM	165.2	110.5	117.2	130.9
REV	REV TM28R30TM	150.8	102.9	145.5	133.1
Overall Mean		151.3	124.7	110.1	128.7

Table 4. Three-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	A6479VT3	144.4	89.6	122.5	118.8
AgriGold	A6489VT3	161.4	115.1	133.5	136.7
Armor	Armor 1545VT3	147.2	97.1	107.3	117.2
Croplan Genetics	CPL 6818VT3	154.0	85.8	122.4	120.7
Croplan Genetics	CPL 6831TS	150.9	89.4	113.3	117.9
Dyna-Gro	DG57V05	149.0	90.3	90.4	109.9
Dyna-Gro	DG57V21	145.3	86.8	107.0	113.0
Golden Acres	GA27Z07	154.5	93.3	105.9	117.9
Pioneer	31G96	159.2	117.8	122.1	133.0
Pioneer	31P42	155.5	109.6	124.6	129.9
Pioneer	33N58	160.1	94.2	129.2	127.8
Overall Mean		152.9	97.2	116.2	122.1

Table 5. 2010 corn hybrid yield summary for irrigated locations.

Brand	Hybrid number	Clarksdale	Stoneville	Stoneville Sharkey Clay	Yazoo City	Overall average
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriGold	A6479VT3	196.6	200.6	143.2	180.8	180.3
AgriGold	A6489VT3	203.0	212.9	168.1	143.6	181.9
AgriGold	A6533VT3	144.9	229.2	158.1	172.4	176.1
AgriGold	A6553VT3	174.2	222.1	149.2	204.9	187.6
AgriGold	A6632VT3	191.2	209.7	149.4	171.0	180.3
AgriGold	A6633VT3	185.2	209.3	140.3	183.8	179.6
AgriGold	A6839	184.0	203.2	140.7	173.2	175.2
Armor	Armor 1161PRO	195.2	223.3	139.7	141.9	175.0
Armor	Armor 1457VT3	185.3	176.9	138.7	165.5	166.6
Armor	Armor 1511C	173.1	214.1	140.8	189.5	179.4
Armor	Armor 1545VT3	189.1	208.6	138.8	176.3	178.2
Armor	Armor 1655PRO	160.0	202.8	140.1	217.8	180.1
Armor	Armor 1868PRO	195.8	171.7	142.1	209.5	179.8
Armor	Armor 1415PRO	213.3	206.9	140.5	200.8	190.4
Armor	Armor BXC028VT3	179.2	201.3	150.3	155.4	171.6
Armor	Armor 1539PRO	191.6	214.5	158.2	164.0	182.1
Armor	Armor BXG080GT	174.0	178.4	143.6	147.8	161.0
B-H Genetics	BH 889VTTP	189.7	223.0	121.5	192.4	181.6
B-H Genetics	BH 8929VTTP	231.0	227.7	141.2	210.0	202.5
B-H Genetics	BH4920HX	184.7	201.6	111.6	186.5	171.1
B-H Genetics	X9148G	195.4	202.2	129.3	157.8	171.1
B-H Genetics	X9150G	180.2	195.5	131.3	197.2	176.1
Bio Gene	BG 83V08	178.1	209.9	135.6	191.8	178.9
Bio Gene	BG 83V10	193.3	194.8	138.2	169.0	173.8
Bio Gene	BG 84V10	184.2	221.1	83.5	183.6	168.1
Croplan Genetics	8505VT3/P	180.8	194.7	152.3	214.2	185.5
Croplan Genetics	851VT3	200.9	209.0	142.1	195.2	186.8
Croplan Genetics	CPL 6725VT3/P	183.4	220.5	154.9	191.8	187.7
Croplan Genetics	CPL 6818VT3	211.6	218.3	120.6	191.8	185.6
Croplan Genetics	CPL 6831TS	179.5	205.7	139.6	184.9	177.4
Croplan Genetics	CPL 8756VT3	219.8	217.3	115.2	184.6	184.2
DEKALB	DKC61-05 (GENVT3P)	211.5	211.6	161.2	158.0	185.6
DEKALB	DKC61-35 (GENVT3P)	181.2	222.3	149.6	161.7	178.7
DEKALB	DKC61-69	181.1	208.4	140.3	168.1	174.5
DEKALB	DKC62-97 (GENVT3P)	191.9	205.8	138.4	167.9	176.0
DEKALB	DKC63-84	197.2	211.0	158.0	123.9	172.5
DEKALB	DKC64-69 (GENVT3P)	216.2	231.1	160.3	203.3	202.7
DEKALB	DKC66-96 (GENVT3P)	209.3	231.1	149.8	118.4	177.1
DEKALB	DKC67-21 (GENVT3P)	212.4	224.2	173.6	185.3	198.9
DEKALB	DKC67-88 (GENVT3P)	196.5	244.7	154.6	209.8	201.4
DEKALB	DKC68-05 (GENVT3P)	216.5	219.5	157.5	197.1	197.6
Delta Grow	DG 2827	221.0	215.7	112.6	204.4	188.4
Delta Grow	DG 2888	178.1	171.9	137.6	193.6	170.3
Delta Grow	DG 3788	183.0	199.5	136.1	169.2	171.9

Table 5 (continued). 2010 corn hybrid yield summary for irrigated locations.

Brand	Hybrid number	Clarksdale	Stoneville	Stoneville Sharkey Clay	Yazoo City	Overall average
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
Delta Grow	DG 3988	179.7	201.0	140.0	174.2	173.7
Dyna-Gro	D56VP24	187.5	224.1	129.3	205.0	186.5
Dyna-Gro	D56VP79	183.2	190.9	154.8	105.6	158.6
Dyna-Gro	D58VP99	206.1	206.7	145.2	134.7	173.2
Dyna-Gro	DG CX10015	182.4	179.3	142.6	191.5	173.9
Dyna-Gro	DG CX10617	153.3	168.3	136.1	194.9	163.1
Dyna-Gro	DG57N73	197.3	216.9	122.7	215.6	188.1
Dyna-Gro	DG57V05	206.9	233.4	128.2	216.2	196.2
Dyna-Gro	DG57V21	206.4	208.9	131.3	199.5	186.6
Dyna-Gro	DG57V40	208.2	214.8	150.0	158.3	182.8
Dyna-Gro	DG57V59	162.7	192.0	150.5	141.9	161.8
Dyna-Gro	DG58V69	166.4	200.8	117.2	204.7	172.3
Dyna-Gro	DG58V72	211.3	217.4	108.4	196.2	183.3
Dyna-Gro	V5373VT3	181.4	225.1	132.8	177.1	179.1
Dyna-Gro	V5683VT3	218.4	210.4	151.8	213.0	198.4
Golden Acres	GA27Z07	183.8	223.8	129.1	199.1	184.0
Golden Acres	GA28V87	183.6	203.1	145.3	201.9	183.5
Merschman	M-1015B-15	216.2	227.5	169.0	105.3	179.5
Merschman	M-1017A-14	189.4	194.6	150.5	192.2	181.7
Merschman	M-816A	214.7	213.7	131.3	156.7	179.1
NK Brand	N78N-3000GT	208.5	221.7	169.1	172.0	192.8
NK Brand	N78S-CB/LL	188.4	232.7	143.4	164.0	182.2
NK Brand	N82V-3000GT	201.4	226.0	147.6	218.5	198.4
Pioneer	31D62	207.3	220.4	135.4	199.6	190.7
Pioneer	31G96	205.5	214.5	150.7	211.7	195.6
Pioneer	31P42	174.6	224.4	135.5	173.1	176.9
Pioneer	32B34	197.9	232.2	146.3	201.1	194.4
Pioneer	P1184HR	208.5	217.0	142.1	194.7	190.6
Pioneer	P1389HR	190.8	211.9	142.1	188.7	183.4
Pioneer	P1420HR	193.4	223.0	148.4	185.0	187.4
Pioneer	P1456HR	206.9	214.0	91.9	196.1	177.2
Pioneer	P1615HR	185.5	223.8	127.9	216.7	188.5
Pioneer	P1745HR	219.6	249.1	157.7	204.4	207.7
Pioneer	P2023HR	204.6	233.3	147.9	205.4	197.8
REV	REV 25R19TM	213.1	215.4	110.1	194.8	183.3
REV	REV TM25HR39TM	182.9	218.6	131.6	169.0	175.5
REV	REV TM25HR49TM	184.9	229.7	120.4	191.8	181.7
REV	REV TM25R29TM	203.4	211.0	118.1	154.0	171.6
REV	REV TM26HR50TM	225.2	245.7	139.4	212.9	205.8
REV	REV TM28H29TM	215.4	213.2	94.0	201.0	180.9
REV	REV TM28HR20TM	211.3	231.7	139.6	200.5	195.8
REV	REV TM28HR30TM	216.3	234.3	133.2	183.2	191.8
REV	REV TM28R10TM	203.7	241.0	136.4	226.4	201.9
REV	REV TM28R30TM	207.0	221.4	119.0	204.0	187.9
Overall Mean		194.8	213.4	138.9	183.7	182.7
LSD (.10)		17.5	16.9	14.6	19.1	
Error degrees of freedom		261	261	261	88	
CV (%)		7.7	6.8	9	6.4	
R^2(%)		67.9	62.7	71.9	91.6	

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

Brand	Hybrid Number	Clarksdale	Stoneville	Yazoo City	Overall average
		bu/A	*bu/A*	*bu/A*	*bu/A*
AgriGold	A6479VT3	176.1	214.3	186.7	192.4
AgriGold	A6489VT3	178.8	218.0	182.9	193.2
AgriGold	A6533VT3	158.6	235.1	197.5	197.1
AgriGold	A6632VT3	186.2	221.4	192.9	200.2
AgriGold	A6633VT3	181.2	226.5	187.1	198.3
Armor	Armor 1161PRO	176.9	217.6	171.4	188.6
Armor	Armor 1457VT3	167.4	200.0	185.0	184.1
Armor	Armor 1511C	168.9	222.2	208.8	200.0
Armor	Armor 1545VT3	182.0	207.0	192.1	193.7
Armor	Armor 1655PRO	158.8	214.9	217.1	196.9
Armor	Armor 1868PRO	184.8	185.0	211.6	193.8
B-H Genetics	BH 889VTTP	177.5	226.6	202.4	202.1
B-H Genetics	BH 8929VTTP	194.1	220.2	210.5	208.3
Croplan Genetics	CPL 6818VT3	189.0	218.9	205.0	204.3
Croplan Genetics	CPL 6831TS	179.0	210.0	201.9	197.0
Croplan Genetics	CPL 8756VT3	187.2	231.0	196.0	204.7
DEKALB	DKC63-84	183.9	217.8	174.4	192.0
Dyna-Gro	DG57N73	183.2	232.2	226.3	213.9
Dyna-Gro	DG57V05	185.1	237.1	213.4	211.8
Dyna-Gro	DG57V21	184.9	209.2	201.8	198.6
Dyna-Gro	DG57V40	181.1	214.6	180.3	192.0
Dyna-Gro	DG58V69	164.7	214.8	204.3	194.6
Dyna-Gro	DG58V72	196.9	223.0	201.7	207.2
Dyna-Gro	V5373VT3	176.0	222.2	191.1	196.4
Dyna-Gro	V5683VT3	202.9	224.9	213.3	213.7
Golden Acres	GA27Z07	171.6	225.7	203.2	200.2
Golden Acres	GA28V87	187.7	214.7	204.5	202.3
Merschman	M-816A	201.0	231.6	185.6	206.1
NK Brand	N78N-3000GT	182.9	233.8	180.6	199.1
Pioneer	31G96	174.1	229.4	202.0	201.8
Pioneer	31P42	171.1	235.1	183.9	196.7
Pioneer	32B34	170.5	237.9	213.4	207.3
Pioneer	P2023HR	181.4	249.9	211.3	214.2
REV	REV TM25HR39TM	168.4	236.2	202.9	202.5
REV	REV TM25HR49TM	152.0	221.5	203.3	192.3
REV	REV TM26HR50TM	186.6	259.6	213.9	220.0
REV	REV TM28HR20TM	187.3	236.5	199.1	207.6
REV	REV TM28R30TM	193.0	240.9	217.4	217.1
Overall Mean		179.8	224.1	199.4	201.1

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*
AgriGold	A6479VT3	205.2	182.9	194.0
AgriGold	A6489VT3	205.5	178.8	192.2
AgriGold	A6632VT3	208.4	173.7	191.1
AgriGold	A6633VT3	210.0	170.4	190.2
Armor	Armor 1545VT3	193.3	185.8	189.5
B-H Genetics	BH 889VTTP	209.6	186.3	198.0
Croplan Genetics	CPL 6818VT3	203.6	194.0	198.8
Croplan Genetics	CPL 6831TS	196.8	184.4	190.6
Dyna-Gro	DG57V05	214.6	195.4	205.0
Dyna-Gro	DG57V21	194.9	183.3	189.1
Pioneer	31G96	221.0	196.9	209.0
Pioneer	31P42	222.6	180.6	201.6

Clifton Farms, Hernando

Crop Summary

The corn plots were planted no-till into adequate soil moisture. Plots emerged to an adequate stand soon after planting. Growing conditions were favorable throughout most of the season. The latter part of summer was very hot and dry, resulting in an early harvest.

Soil type	**Collins silt loam**
Soil pH	**5.7**
Soil fertility	**P=H; K=H**
Fertilizer added	**Preplant — N @ 14 lb/A, P_2O_5 @ 40 lb/A, and K_2O @ 60 lb/A**
	Sidedress — N @ 160 lb/A
Herbicide application	**Burndown — Gramoxone Inteon @ 1 qt/A + Atrazine @ 1 qt/A**
	Preemergence — Dual II Magnum @ 1.5 pt/A, Atrazine @ 1 qt/A, Callisto @ 3 oz/A, and Roundup Powermax @ 22 oz/A
Previous crop	**Soybeans**
Planting date	**April 14**
Harvest date	**September 3**

Rainfall Summary

	Inches
April	**2.61**
May	**2.57**
June	**3.52**
July	**3.46**
August	**1.91**
September	**0.86**
Total	**14.93**

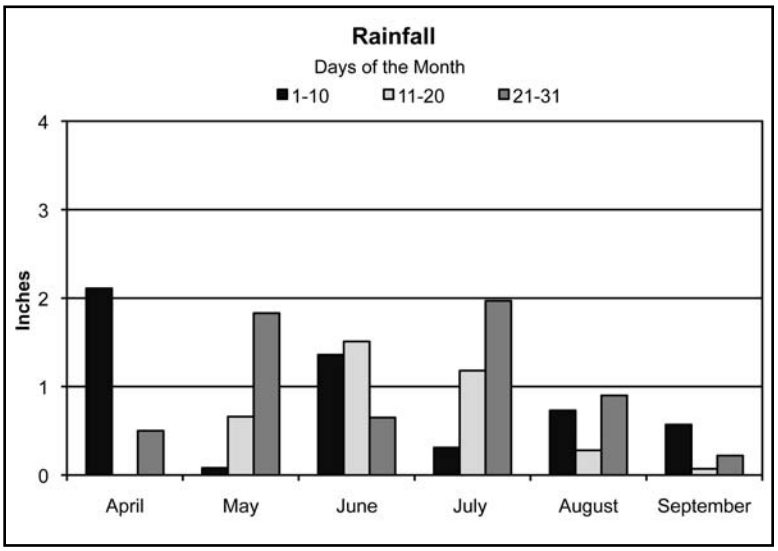

Table 8. Results from 72 corn hybrids grown without irrigation on a Collins silt loam soil near Hernando, DeSoto County, 2010.[1]

Brand name	Hybrid number	2010 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Pioneer	33N58	134.3	118.0	—	38	15.0	26
REV	REV TM28H29TM	133.3	—	—	32	16.4	27
Delta Grow	DG 2888	132.8	—	—	23	15.1	27
DEKALB	DKC68-05 (GENVT3P)	130.8	—	—	34	15.4	30
DEKALB	DKC67-21 (GENVT3P)	127.4	—	—	44	17.3	30
Dyna-Gro	D58VP99	126.6	—	—	30	15.1	27
Delta Grow	DG 3788	125.6	—	—	20	15.9	29
Armor	Armor 1161PRO	125.5	124.8	122.5	26	15.3	28
Delta Grow	DG 2827	125.4	—	—	31	15.3	29
Pioneer	P1615HR	123.0	—	—	35	15.9	27
Armor	Armor 1511C	120.5	123.1	—	26	15.2	26
DEKALB	DKC67-88 (GENVT3P)	119.5	—	—	34	17.5	29

[1]Planted April 14; Harvested September 3.

Table 8 (continued). Results from 72 corn hybrids grown without irrigation on a Collins silt loam soil near Hernando, DeSoto County, 2010.[1]

Brand name	Hybrid number	2010 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
DEKALB	DKC61-05 (GENVT3P)	118.8	—	—	35	15.1	31
Delta Grow	DG 3988	118.0	—	—	30	15.2	28
Armor	Armor 1655PRO	116.6	109.1	124.6	36	15.4	28
DEKALB	DKC62-97 (GENVT3P)	116.4	—	—	32	15.2	31
Golden Acres	GA28V87	115.9	116.7	—	30	15.2	28
Dyna-Gro	DG57N73	115.7	129.4	—	32	15.3	29
REV	REV TM28R30TM	115.6	145.5	—	34	17.6	27
REV	REV TM28R10TM	115.2	—	—	35	15.7	27
Croplan Genetics	CPL 6831TS	114.8	104.2	—	28	15.9	29
REV	REV 25R19TM	114.3	—	—	30	15.3	29
Dyna-Gro	DG58V72	113.9	123.7	—	26	15.9	28
Pioneer	31G96	112.5	121.9	—	30	15.0	24
REV	REV TM28HR20TM	112.4	117.2	—	29	15.6	27
REV	REV TM25HR39TM	111.9	129.5	—	34	15.4	27
Dyna-Gro	D56VP79	111.5	—	—	32	15.1	25
REV	REV TM28HR30TM	111.5	—	—	42	15.9	28
DEKALB	DKC66-96 (GENVT3P)	110.9	—	—	32	15.2	29
Armor	Armor BXC028VT3	110.7	—	90.4	31	15.4	27
Pioneer	P1745HR	110.7	—	—	34	15.7	27
Dyna-Gro	V5683VT3	109.7	89.8	—	28	15.2	26
Croplan Genetics	8505VT3/P	107.9	—	—	30	15.3	30
Pioneer	33F87	107.8	108.2	—	29	15.1	25
Dyna-Gro	DG57V40	107.3	121.1	—	28	15.3	28
MK Brand	N78B-GT	107.0	—	—	34	15.4	28
Croplan Genetics	CPL 6818VT3	106.7	111.4	—	34	15.6	30
Golden Acres	GA26Y37	106.7	111.7	—	36	15.5	32
AgriGold	A6839	106.1	—	129.2	23	15.4	29
AgriGold	A6479VT3	105.9	118.3	107.3	28	15.5	25
Dyna-Gro	V5373VT3	105.2	100.7	—	28	16.5	27
AgriGold	A6489VT3	104.1	119.1	—	45	15.3	32
Pioneer	P1184HR	103.4	—	—	34	15.0	27
DEKALB	DKC64-69 (GENVT3P)	102.4	—	—	19	15.8	28
Armor	Armor BXG080GT	102.3	—	107.0	34	15.1	29
NK Brand	N77P-3000GT	102.0	120.8	—	27	15.1	28
Croplan Genetics	CPL 6725VT3/P	100.8	—	—	37	15.3	27
Golden Acres	GA 26V21	98.9	—	—	38	16.7	30
Dyna-Gro	DG57V05	98.9	82.2	—	41	15.4	30
Pioneer	31P42	98.4	116.2	—	26	15.3	26
REV	REV TM25R29TM	97.5	—	—	24	15.0	25
AgriGold	A6632VT3	96.7	95.1	113.3	33	15.5	26
Dyna-Gro	DG CX10015	95.9	—	—	33	16.1	30
AgriGold	A6533VT3	95.8	122.6	122.1	30	14.9	31
Armor	Armor 1545VT3	95.6	96.4	105.9	30	15.5	22
Dyna-Gro	DG CX10617	94.5	—	—	25	15.1	29
Dyna-Gro	D56VP24	94.3	—	—	23	15.5	29
DEKALB	DKC61-35 (GENVT3P)	93.5	—	—	40	14.8	28
Croplan Genetics	CPL 8756VT3	92.8	106.0	—	34	16.2	33
Dyna-Gro	DG57V59	92.0	—	—	32	14.8	26
REV	REV TM26HR50TM	91.4	102.3	—	28	15.4	27
Dyna-Gro	DG58V69	87.1	95.8	—	28	16.1	26
DEKALB	DKC61-69	85.6	—	—	31	14.7	29
REV	REV TM25HR49TM	85.5	116.0	—	29	14.9	27
Dyna-Gro	DG57V21	85.1	95.7	—	31	15.9	29
AgriGold	A6553VT3	84.9	—	—	21	16.6	25
DEKALB	DKC63-84	83.9	107.7	—	38	14.7	28
Golden Acres	GA27Z07	76.7	93.6	—	28	15.3	31
AgriGold	A6633VT3	76.5	71.6	122.4	28	15.4	31
Croplan Genetics	851VT3	70.3	—	—	34	15.2	32
Armor	Armor 1560PRO	67.5	—	—	34	15.1	27
Armor	Armor 1457VT3	62.3	88.2	133.5	28	15.5	26
Overall Mean		105.3	110.1	116.2			
LSD (.10)		16.5					
Error degrees of freedom		213					
CV (%)		13.5					
R^2(%)		62.6					

[1]Planted April 14; Harvested September 3.

MAFES Black Belt Branch, Brooksville

Crop Summary

This location was planted into a conventionally prepared seedbed with adequate moisture. The plots quickly emerged to a good stand. Summer growing conditions were hot and dry. All plots were harvested in a timely manner without difficulty.

Soil type	**Brooksville silty clay**
Soil pH	**6.7**
Soil fertility	**P=M, K=M**
Fertilizer added	**Preplant — 13-13-13 @ 300 lb/A Sidedress — N @ 140 lb/A on April 23 and 28 lb/A on May 10**
Herbicide application	**Preemergence — Callisto @ 3 oz/A, Atrazine @ 2 qt/A, Dual II, Magnum @ 1 pt/A, and Roundup Powermax @ 22 oz/A**
Previous crop	**Soybeans**
Planting date	**April 1**
Harvest date	**August 13**

Rainfall Summary

	Inches
April	**3.91**
May	**5.3**
June	**2.88**
July	**1.11**
August	**4.73**
Total	**17.93**

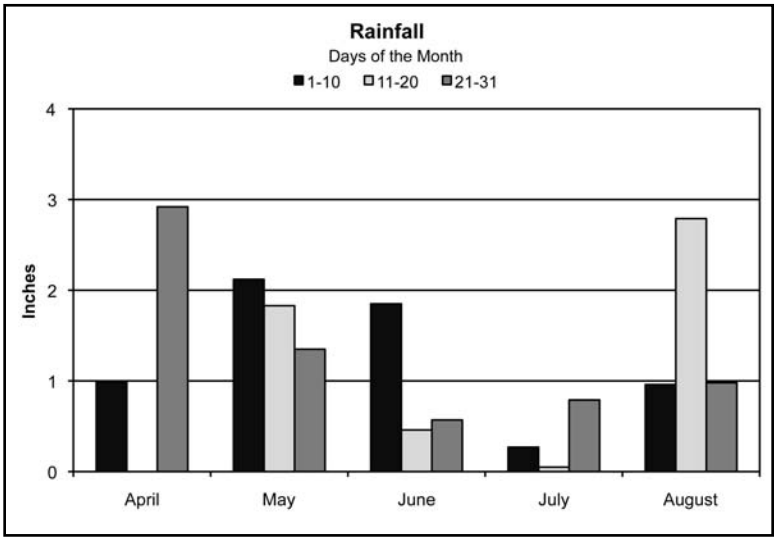

Table 9. Results from 72 corn hybrids grown without irrigation on a Brooksville silty clay soil at the MAFES Black Belt Branch, Brooksville, 2010.[1]

Brand name	Hybrid number	2010 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
REV	REV TM28R10TM	150.1	—	—	41	15.9	27
DEKALB	DKC61-05 (GENVT3P)	146.9	—	—	38	15.2	31
Pioneer	33F87	146.9	127.6	—	34	15.6	28
AgriGold	A6533VT3	145.6	137.1	—	33	16.3	31
Armor	Armor BXC028VT3	142.8	—	—	36	16.0	29
Croplan Genetics	8505VT3/P	142.5	—	—	28	15.8	31
DEKALB	DKC66-96 (GENVT3P)	142.4	—	—	32	15.6	29
Pioneer	33N58	142.3	140.6	94.2	33	15.4	27
Armor	Armor 1161PRO	142.0	135.0	—	33	15.6	29
DEKALB	DKC64-69 (GENVT3P)	140.2	—	—	41	15.5	30
Croplan Genetics	CPL 6831TS	139.4	141.1	89.4	36	15.4	26
Delta Grow	DG 3988	139.0	—	—	33	15.0	25

[1]Planted April 1; Harvested August 13.

Table 9 (continued). Results from 72 corn hybrids grown without irrigation on a Brooksville silty clay soil at the MAFES Black Belt Branch, Brooksville, 2010.[1]

Brand name	Hybrid number	2010 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Golden Acres	GA27Z07	138.7	137.5	93.3	28	15.0	31
Dyna-Gro	V5683VT3	137.9	130.1	—	24	15.8	27
DEKALB	DKC61-35 (GENVT3P)	135.3	—	—	45	15.1	29
DEKALB	DKC62-97 (GENVT3P)	134.0	—	—	36	15.4	30
AgriGold	A6839	133.6	—	—	31	15.6	29
Dyna-Gro	DG57V05	133.5	132.6	90.3	33	16.4	28
Croplan Genetics	CPL 6818VT3	133.3	136.8	85.8	38	16.0	31
Croplan Genetics	CPL 6725VT3/P	133.2	—	—	38	15.4	27
Dyna-Gro	DG57N73	132.9	127.8	—	23	15.6	28
AgriGold	A6632VT3	132.4	134.5	—	28	16.0	30
REV	REV TM25HR49TM	132.3	116.6	—	36	15.7	30
Dyna-Gro	DG57V21	132.2	130.5	86.8	26	17.8	28
Pioneer	P1745HR	131.5	—	—	35	15.3	26
Delta Grow	DG 2827	131.0	—	—	35	15.5	29
Golden Acres	GA 26V21	131.0	—	—	39	15.7	31
AgriGold	A6489VT3	130.9	134.2	115.1	34	15.3	31
Dyna-Gro	D56VP24	130.6	—	—	30	15.5	30
DEKALB	DKC67-88 (GENVT3P)	130.3	—	—	34	15.9	31
Dyna-Gro	D56VP79	129.6	—	—	32	15.8	27
Dyna-Gro	DG57V59	129.5	—	—	36	15.3	27
AgriGold	A6479VT3	129.4	133.5	89.6	37	14.9	29
REV	REV TM25HR39TM	129.0	113.5	—	36	15.9	28
Dyna-Gro	V5373VT3	128.7	125.8	—	38	16.4	26
Dyna-Gro	D58VP99	128.6	—	—	32	15.4	25
AgriGold	A6633VT3	128.4	137.8	—	30	16.1	26
Armor	Armor BXG080GT	128.3	—	—	37	15.4	28
Golden Acres	GA28V87	128.1	120.1	—	26	15.8	28
Armor	Armor 1655PRO	126.0	127.2	—	44	15.8	25
AgriGold	A6553VT3	124.4	—	—	34	17.8	29
Dyna-Gro	DG57V40	124.3	124.5	—	35	15.2	28
Armor	Armor 1545VT3	124.0	142.5	97.1	32	17.0	23
DEKALB	DKC61-69	123.9	—	—	38	14.8	26
DEKALB	DKC68-05 (GENVT3P)	122.9	—	—	35	16.0	28
DEKALB	DKC63-84	122.7	117.1	—	42	14.9	27
Pioneer	P1184HR	122.1	—	—	36	15.2	27
NK Brand	N77P-3000GT	121.5	115.8	—	35	15.5	28
DEKALB	DKC67-21 (GENVT3P)	119.8	—	—	39	15.7	31
REV	REV TM26HR50TM	119.7	111.9	—	31	16.1	29
Croplan Genetics	851VT3	119.1	—	—	36	15.9	29
REV	REV TM28HR20TM	119.0	110.5	—	32	15.7	27
REV	REV TM25R29TM	116.9	—	—	30	15.2	27
REV	REV 25R19TM	115.7	—	—	33	15.6	29
Golden Acres	GA26Y37	115.1	113.9	—	38	15.2	32
Armor	Armor 1457VT3	115.0	121.7	—	31	15.3	24
Pioneer	31G96	114.9	132.7	117.8	30	15.0	27
MK Brand	N78B-GT	112.8	—	—	32	15.5	27
Armor	Armor 1560PRO	112.5	—	—	38	15.4	27
Croplan Genetics	CPL 8756VT3	111.0	99.6	—	37	16.7	31
Pioneer	P1615HR	110.5	—	—	38	16.0	26
REV	REV TM28H29TM	109.7	—	—	41	16.0	29
Delta Grow	DG 2888	106.6	—	—	34	15.4	26
Armor	Armor 1511C	104.1	115.2	—	36	15.5	26
REV	REV TM28R30TM	102.6	102.9	—	36	17.1	27
Pioneer	31P42	100.3	116.3	109.6	30	15.5	28
Dyna-Gro	DG58V72	100.0	111.6	—	36	15.5	26
Delta Grow	DG 3788	99.4	—	—	35	17.4	28
REV	REV TM28HR30TM	96.2	—	—	41	15.7	29
Dyna-Gro	DG CX10617	94.5	—	—	32	15.2	28
Dyna-Gro	DG58V69	93.7	107.4	—	34	15.5	27
Dyna-Gro	DG CX10015	83.5	—	—	36	15.7	29
Overall Mean		124.7	124.7	97.2			
LSD (.10)		15.1					
Error degrees of freedom		213.0					
CV (%)		10.4					
R^2(%)		63.0					

[1]Planted April 1; Harvested August 13.

Chris Ausborn Farm, Aberdeen

Crop Summary

Corn plots were planted into good soil moisture following last year's soybean crop. All plots quickly emerged to a good stand. Ideal growing conditions provided for optimum plant growth and development. The latter part of the summer was hot and dry, but some timely showers allowed for good yields. Harvest was completed earlier than usual due to the hot, dry fall.

Soil type	**Houston clay**
Soil pH	**6.8**
Soil fertility	**P=M; K=H**
Fertilizer added	**Preplant — 0-20-20 @ 300 lb/A**
	Sidedress — N @ 200 lb/A
Herbicide application	**Preemergence — Callisto @ 3 oz/A, Atrazine @ 1 qt/A, Dual II Magnum @ 1.5 pt/A and Roundup Powermax @ 22 oz/A**
	Postemergence — Atrazine @ 1 qt/A and Accent @ 0.5 oz/A
Previous crop	**Soybeans**
Planting date	**April 7, 2010**
Harvest date	**August 23, 2010**

Rainfall Summary

	Inches
April	**1.34**
May	**5.15**
June	**7.65**
July	**1.63**
August	**1.36**
Total	**17.13**

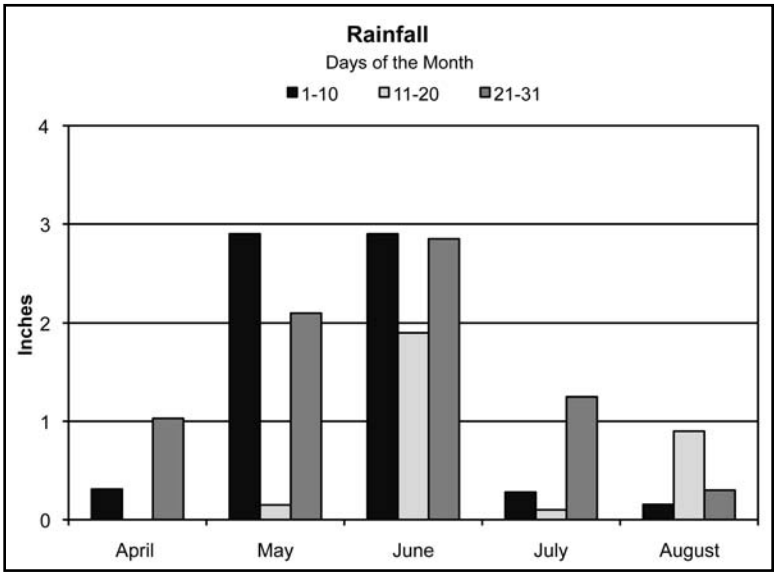

Table 10. Results from 72 corn hybrids grown without irrigation on a Houston clay soil near Aberdeen, Monroe County, 2010.[1]

Brand name	Hybrid number	2010 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
DEKALB	DKC63-84	173.5	174.0	—	40	17.1	31
DEKALB	DKC66-96 (GENVT3P)	170.3	—	—	32	16.9	31
REV	REV 25R19TM	167.1	—	—	31	18.9	29
DEKALB	DKC68-05 (GENVT3P)	166.5	—	—	33	20.8	30
Dyna-Gro	D56VP24	166.5	—	—	24	19.3	29
Dyna-Gro	V5683VT3	165.8	176.9	—	30	18.4	29
DEKALB	DKC67-21 (GENVT3P)	165.6	—	—	31	22.4	31
AgriGold	A6489VT3	164.2	163.1	161.4	38	18.2	31
Croplan Genetics	8505VT3/P	163.0	—	—	32	18.5	33
Armor	Armor 1655PRO	162.5	155.9	—	40	19.3	29
Dyna-Gro	DG57N73	161.5	144.2	—	31	19.5	29
REV	REV TM28R10TM	161.3	—	—	33	19.4	29
DEKALB	DKC67-88 (GENVT3P)	161.1	—	—	34	21.8	31
Croplan Genetics	851VT3	159.6	—	—	38	18.6	30

[1]Planted April 7; Harvested Aug 23.

Table 10 (continued). Results from 72 corn hybrids grown without irrigation on a Houston clay soil near Aberdeen, Monroe County, 2010.[1]

Brand name	Hybrid number	2010 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
DEKALB	DKC62-97 (GENVT3P)	159.5	—	—	31	19.7	31
Armor	Armor 1511C	159.0	149.4	—	34	19.3	28
Armor	Armor BXC028VT3	158.7	—	—	34	18.8	29
AgriGold	A6839	158.7	—	—	26	19.1	32
REV	REV TM28HR20TM	157.9	165.2	—	32	19.7	30
AgriGold	A6533VT3	157.9	153.5	—	31	18.3	30
Dyna-Gro	DG57V21	157.6	151.2	145.3	30	20.2	29
DEKALB	DKC61-35 (GENVT3P)	156.3	—	—	37	16.4	30
Dyna-Gro	DG CX10015	156.3	—	—	30	20.1	30
DEKALB	DKC64-69 (GENVT3P)	156.1	—	—	32	21.1	30
Dyna-Gro	V5373VT3	156.0	157.8	—	27	23.6	29
Golden Acres	GA28V87	155.4	159.6	—	28	19.1	30
Golden Acres	GA26Y37	155.2	139.7	—	36	17.0	31
REV	REV TM26HR50TM	155.0	152.1	—	33	19.8	30
Pioneer	33N58	153.4	163.3	160.1	36	16.9	28
Golden Acres	GA27Z07	153.3	149.4	154.5	24	20.9	31
AgriGold	A6633VT3	152.3	151.5	—	28	16.8	30
Croplan Genetics	CPL 6725VT3/P	152.2	—	—	32	19.4	31
DEKALB	DKC61-69	151.6	—	—	34	16.4	31
Pioneer	P1615HR	151.6	—	—	41	17.6	28
Dyna-Gro	DG57V05	151.1	145.6	149.0	28	22.1	30
Delta Grow	DG 2827	150.8	—	—	29	18.9	29
Pioneer	33F87	150.3	150.9	—	32	19.2	28
Croplan Genetics	CPL 8756VT3	150.2	145.8	—	40	21.3	31
Golden Acres	GA 26V21	150.0	—	—	38	23.4	31
AgriGold	A6632VT3	149.8	146.8	—	27	20.9	29
REV	REV TM28H29TM	149.6	—	—	36	23.3	30
Croplan Genetics	CPL 6831TS	148.5	149.1	150.9	32	24.2	29
Dyna-Gro	D58VP99	148.2	—	—	32	17.8	29
Dyna-Gro	DG58V72	147.4	154.0	—	28	18.2	28
Dyna-Gro	DG58V69	147.3	149.3	—	29	19.4	28
Pioneer	P1184HR	146.9	—	—	35	16.7	28
Pioneer	P1745HR	146.8	—	—	37	18.5	27
Delta Grow	DG 3788	146.3	—	—	27	19.8	32
REV	REV TM25HR49TM	146.2	147.4	—	31	18.0	30
Dyna-Gro	DG57V40	145.6	144.7	—	25	17.3	29
Croplan Genetics	CPL 6818VT3	145.6	153.7	154.0	32	20.0	31
REV	REV TM28HR30TM	145.4	—	—	35	22.8	29
Dyna-Gro	DG57V59	145.3	—	—	32	16.7	29
NK Brand	N77P-3000GT	144.1	137.2	—	30	19.8	28
REV	REV TM28R30TM	143.8	150.8	—	29	24.1	29
REV	REV TM25R29TM	141.3	—	—	27	17.7	29
Pioneer	31P42	141.1	154.6	155.5	39	19.6	26
DEKALB	DKC61-05 (GENVT3P)	140.2	—	—	35	18.7	31
Dyna-Gro	D56VP79	139.8	—	—	31	17.1	30
Armor	Armor 1457VT3	139.7	140.5	—	31	18.0	28
Delta Grow	DG 2888	139.7	—	—	29	17.8	29
Dyna-Gro	DG CX10617	139.5	—	—	25	17.7	30
Armor	Armor 1161PRO	139.4	141.3	—	26	17.0	29
Delta Grow	DG 3988	139.1	—	—	29	16.3	28
MK Brand	N78B-GT	138.8	—	—	30	17.9	29
Pioneer	31G96	137.5	156.5	159.2	29	17.5	27
AgriGold	A6479VT3	136.5	139.9	144.4	30	19.0	29
AgriGold	A6553VT3	135.4	—	—	35	21.1	32
Armor	Armor BXG080GT	134.2	—	—	39	17.3	30
Armor	Armor 1545VT3	132.8	141.0	147.2	32	21.4	27
REV	REV TM25HR39TM	131.9	141.0	—	33	18.7	29
Armor	Armor 1560PRO	124.5	—	—	30	17.3	29
Overall Mean		150.7	151.3	152.9			
LSD (.10)		13.4					
Error degrees of freedom		213					
CV (%)		7.7					
R^2(%)		52.2					

[1]Planted April 7; Harvested August 23.

MAFES Brown Loam Branch

Crop Summary

The corn plots were planted into a freshly prepared seedbed. Conditions at planting were optimum for germination, and the plots quickly emerged to an adequate stand. Conditions were favorable during the first half of the growing season. Inadequate rainfall occurred during the grain-filling period, reducing the crop's yield potential. Conditions were very favorable at the time of harvest.

Soil type	**Loring Silt Loam**
Soil pH	**6.5**
Soil fertility	**P=M, K=M**
Fertilizer added	**Preplant — 13-13-13 @ 300 lb/A**
	Sidedress — N @ 148 lb/A on May 4
Herbicide application	**Preemergence — Callisto @ 3oz/A, Atrazine @ 1.5 qt/A, and Dual II Magnum @ 1.5 pt/A**
	Layby — Callisto @ 3oz/A, Atrazine @ 8oz/A, and Dual II Magnum @ 8oz/A
Previous crop	**Soybeans**
Planting date	**March 30**
Harvest date	**August 24**

Rainfall Summary

	Inches
April	**1.51**
May	**6.25**
June	**1.2**
July	**3.1**
August	**5.91**

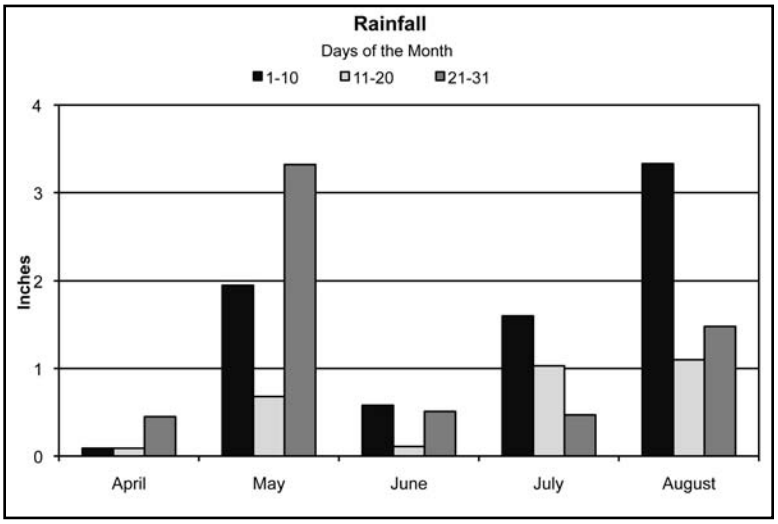

Table 11. Results from 72 corn hybrids grown without irrigation on a Loring silt loam soil at the MAFES Brown Loam Branch, Raymond, 2010.[1]

Brand name	Hybrid number	2010 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
DEKALB	DKC63-84	146.3	—	—	38	16.2	30
Golden Acres	GA 26V21	144.9	—	—	38	17.3	32
REV	REV TM28HR20TM	143.6	—	—	32	18.0	30
DEKALB	DKC61-35 (GENVT3P)	142.3	—	—	42	16.2	32
DEKALB	DKC67-21 (GENVT3P)	140.5	—	—	36	16.6	32
REV	REV TM28R10TM	139.2	—	—	29	17.1	29
Pioneer	31G96	137.1	—	—	27	17.9	27
DEKALB	DKC64-69 (GENVT3P)	135.8	—	—	37	16.5	30
DEKALB	DKC61-05 (GENVT3P)	135.4	—	—	32	16.1	31
Golden Acres	GA27Z07	133.8	—	—	28	16.1	31
Armor	Armor 1457VT3	129.5	—	—	24	17.4	28
Dyna-Gro	DG57V21	129.1	—	—	21	17.0	29
DEKALB	DKC66-96 (GENVT3P)	128.6	—	—	38	16.6	32
Delta Grow	DG 2827	128.0	—	—	30	16.5	29
Dyna-Gro	D58VP99	128.0	—	—	30	16.3	29
REV	REV TM25HR49TM	125.8	—	—	26	17.0	29
AgriGold	A6632VT3	125.4	—	—	23	16.4	30
REV	REV TM25R29TM	125.0	—	—	32	17.2	30

[1]Planted March 30; Harvested August 24.

Table 11 (continued). Results from 72 corn hybrids grown without irrigation on a Loring silt loam soil at the MAFES Brown Loam Branch, Raymond, 2010.[1]

Brand name	Hybrid number	2010 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
AgriGold	A6479VT3	124.4	—	—	33	16.2	30
AgriGold	A6489VT3	124.1	—	—	34	16.2	32
Armor	Armor 1655PRO	124.0	—	—	34	16.7	30
Dyna-Gro	DG57V59	123.2	—	—	35	16.3	29
Dyna-Gro	V5683VT3	123.1	—	—	23	16.4	29
Croplan Genetics	CPL 6818VT3	122.1	—	—	34	17.2	31
REV	REV TM28HR30TM	122.1	—	—	38	17.2	31
MK Brand	N78B-GT	121.7	—	—	41	17.0	28
Pioneer	P1184HR	120.9	—	—	27	16.3	27
Armor	Armor BXC028VT3	119.5	—	—	30	16.9	31
REV	REV TM26HR50TM	118.7	—	—	37	17.2	29
Pioneer	33F87	118.5	—	—	32	16.5	28
Croplan Genetics	CPL 6831TS	118.3	—	—	30	16.6	30
DEKALB	DKC61-69	116.3	—	—	27	16.0	30
Croplan Genetics	8505VT3/P	116.1	—	—	35	16.5	32
Pioneer	31P42	115.7	—	—	33	17.1	27
AgriGold	A6553VT3	115.1	—	—	34	16.1	31
DEKALB	DKC62-97 (GENVT3P)	114.9	—	—	35	16.1	32
Dyna-Gro	D56VP79	114.5	—	—	31	16.5	30
REV	REV TM28H29TM	114.4	—	—	38	18.1	30
DEKALB	DKC67-88 (GENVT3P)	112.7	—	—	36	16.6	31
NK Brand	N77P-3000GT	112.7	—	—	36	16.4	30
REV	REV 25R19TM	111.6	—	—	38	16.4	30
Dyna-Gro	DG57V40	111.3	—	—	30	16.2	30
Pioneer	P1745HR	110.8	—	—	35	16.9	27
DEKALB	DKC68-05 (GENVT3P)	109.6	—	—	27	16.6	31
Dyna-Gro	D56VP24	106.1	—	—	31	16.1	29
Dyna-Gro	V5373VT3	105.3	—	—	27	17.0	27
Armor	Armor BXG080GT	105.0	—	—	38	16.6	29
Dyna-Gro	DG57N73	103.5	—	—	33	16.5	30
Pioneer	P1615HR	103.0	—	—	35	18.1	29
Golden Acres	GA26Y37	102.8	—	—	34	16.4	33
Pioneer	33N58	102.4	—	—	31	16.4	28
AgriGold	A6633VT3	102.3	—	—	29	16.4	31
AgriGold	A6839	100.8	—	—	29	16.8	31
Delta Grow	DG 3988	100.6	—	—	30	16.1	27
Delta Grow	DG 2888	98.2	—	—	30	16.3	29
Armor	Armor 1161PRO	97.0	—	—	25	16.2	30
AgriGold	A6533VT3	96.5	—	—	32	16.4	31
Dyna-Gro	DG CX10015	95.9	—	—	30	17.5	31
Dyna-Gro	DG CX10617	90.7	—	—	26	16.6	29
Croplan Genetics	851VT3	89.2	—	—	36	16.5	30
REV	REV TM25HR39TM	88.4	—	—	30	16.4	30
Dyna-Gro	DG57V05	86.7	—	—	30	16.2	30
Delta Grow	DG 3788	83.3	—	—	23	16.6	33
Dyna-Gro	DG58V72	83.3	—	—	26	17.6	29
Armor	Armor 1560PRO	80.9	—	—	29	16.3	27
Croplan Genetics	CPL 6725VT3/P	79.7	—	—	37	16.0	30
Croplan Genetics	CPL 8756VT3	78.5	—	—	36	17.1	32
Dyna-Gro	DG58V69	74.5	—	—	30	18.9	28
Armor	Armor 1545VT3	73.1	—	—	26	16.0	26
Golden Acres	GA28V87	70.8	—	—	28	16.6	30
REV	REV TM28R30TM	70.7	—	—	32	17.0	28
Armor	Armor 1511C	58.0	—	—	28	16.2	28
Overall Mean		111.1					
LSD (.10)		19.1					
Error degrees of freedom		72					
CV (%)		10.3					
R^2(%)		89					

[1]Planted March 30; Harvested August 24.

Shetler Farms, Clarksdale

Crop Summary

Plots were planted into a stale seedbed following corn. Soil moisture was optimum for germination at planting, and seedlings emerged to a good stand. The weather during the mid- to late summer was hot and dry. Timely irrigations were made during the grain filling period, which allowed for good yields. Harvest was completed in a timely manner.

Soil type	**Forestdale silt loam**
Soil pH	**6.0**
Soil fertility	**P=H; K=H**
Fertilizer added	**N @ 250 lb/A (32% UAN) on May 20**
Herbicide application	**Preemergence — Dual II Magnum @ 1.5 pt/A, Callisto @ 3 oz/A, Atrazine @ 2 qt/A, and Roundup Powermax @ 22 oz/A**
Previous crop	**Corn**
Irrigation (Furrow)	**June 9, June 18, June 25, July 2, July 10, July 19, and July 26**
Planting date	**April 14**
Harvest date	**August 20**

Rainfall Summary

	Inches
April	**5.28**
May	**4.74**
June	**2.93**
July	**2.86**
August	**5.86**
Total	**21.67**

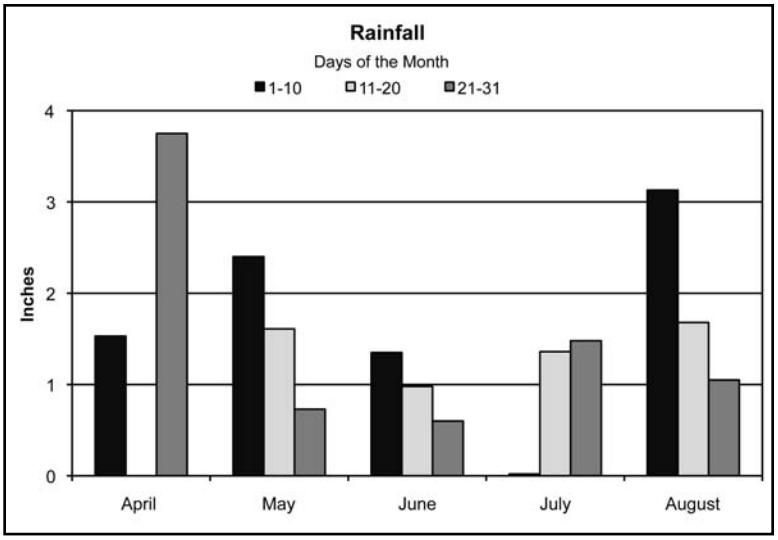

Table 12. Results from 88 corn hybrids grown with furrow irrigation on a Forestdale silt loam soil near Clarksdale, Coahoma County, 2010.[1]

Brand name	Hybrid number	2010 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
B-H Genetics	BH 8929VTTP	231.0	194.1	—	43	21.5	33
REV	REV TM26HR50TM	225.2	186.6	—	43	22.2	30
Delta Grow	DG 2827	221.0	—	—	41	19.2	30
Croplan Genetics	CPL 8756VT3	219.8	187.2	—	43	23.3	33
Pioneer	P1745HR	219.6	—	—	54	22.1	30
Dyna-Gro	V5683VT3	218.4	202.9	—	36	19.6	33
DEKALB	DKC68-05 (GENVT3P)	216.5	—	—	40	21.6	34
REV	REV TM28HR30TM	216.3	—	—	50	26.9	29
Merschman	M-1015B-15	216.2	—	—	45	22.2	32
DEKALB	DKC64-69 (GENVT3P)	216.2	—	—	46	19.7	34
REV	REV TM28H29TM	215.4	—	—	46	25.9	31
Merschman	M-816A	214.7	201.0	—	42	22.2	30
Armor	Armor 1415PRO	213.3	—	—	45	21.5	31
REV	REV 25R19TM	213.1	—	—	46	21.0	29
DEKALB	DKC67-21 (GENVT3P)	212.4	—	—	48	22.7	31
Croplan Genetics	CPL 6818VT3	211.6	189.0	—	44	20.9	33
DEKALB	DKC61-05 (GENVT3P)	211.5	—	—	49	18.4	33
Dyna-Gro	DG58V72	211.3	196.9	—	43	21.6	31
REV	REV TM28HR20TM	211.3	187.3	—	46	20.8	31
DEKALB	DKC66-96 (GENVT3P)	209.3	—	—	51	19.3	32
Pioneer	P1184HR	208.5	—	—	44	19.0	31
NK Brand	N78N-3000GT	208.5	182.9	—	39	23.5	30
Dyna-Gro	DG57V40	208.2	181.1	—	40	22.2	31
Pioneer	31D62	207.3	—	—	40	20.4	30
REV	REV TM28R30TM	207.0	193.0	—	46	20.5	30
Dyna-Gro	DG57V05	206.9	185.1	—	49	22.4	34
Pioneer	P1456HR	206.9	—	—	42	20.3	32
Dyna-Gro	DG57V21	206.4	184.9	—	44	22.6	32
Dyna-Gro	D58VP99	206.1	—	—	49	17.9	31
Pioneer	31G96	205.5	174.1	—	51	18.6	28
Pioneer	P2023HR	204.6	181.4	—	51	19.9	31
REV	REV TM28R10TM	203.7	—	—	51	24.7	31
REV	REV TM25R29TM	203.4	—	—	47	19.1	34
AgriGold	A6489VT3	203.0	178.8	—	46	19.9	32
NK Brand	N82V-3000GT	201.4	—	—	46	23.7	33
Croplan Genetics	851VT3	200.9	—	—	56	20.4	34
Pioneer	32B34	197.9	170.5	—	38	19.5	30
Dyna-Gro	DG57N73	197.3	183.2	—	40	19.5	35
DEKALB	DKC63-84	197.2	183.9	—	48	21.0	34
AgriGold	A6479VT3	196.6	176.1	—	43	19.3	30
DEKALB	DKC67-88 (GENVT3P)	196.5	—	—	50	24.2	33
Armor	Armor 1868PRO	195.8	184.8	—	49	21.2	25
B-H Genetics	X9148G	195.4	—	—	43	23.2	34
Armor	Armor 1161PRO	195.2	176.9	—	48	19.7	29
Pioneer	P1420HR	193.4	—	—	45	18.6	31
Bio Gene	BG 83V10	193.3	—	—	46	17.0	35
DEKALB	DKC62-97 (GENVT3P)	191.9	—	—	48	19.8	30
Armor	Armor 1539PRO	191.6	—	—	52	21.3	28
AgriGold	A6632VT3	191.2	186.2	—	39	20.9	30
Pioneer	P1389HR	190.8	—	—	45	19.4	33
B-H Genetics	BH 889VTTP	189.7	177.5	—	45	20.9	30
Merschman	M-1017A-14	189.4	—	—	41	22.1	31
Armor	Armor 1545VT3	189.1	182.0	—	50	22.2	28
NK Brand	N78S-CB/LL	188.4	—	—	47	21.3	31
Dyna-Gro	D56VP24	187.5	—	—	35	21.2	33
Pioneer	P1615HR	185.5	—	—	50	22.3	31
Armor	Armor 1457VT3	185.3	167.4	—	37	23.2	31
AgriGold	A6633VT3	185.2	181.2	—	38	22.3	33
REV	REV TM25HR49TM	184.9	152.0	—	44	19.6	33
B-H Genetics	BH4920HX	184.7	—	—	40	27.1	31
Bio Gene	BG 84V10	184.2	—	—	47	19.3	35
AgriGold	A6839	184.0	—	—	44	21.0	31
Golden Acres	GA27Z07	183.8	171.6	—	52	20.5	31
Golden Acres	GA28V87	183.6	187.7	—	43	20.5	31
Croplan Genetics	CPL 6725VT3/P	183.4	—	—	48	20.3	29
Dyna-Gro	D56VP79	183.2	—	—	44	17.9	34

[1]Planted April 11; Harvested August 20.

Table 12 (continued). Results from 88 corn hybrids grown with furrow irrigation on a Forestdale silt loam soil near Clarksdale, Coahoma County, 2010.[1]

Brand name	Hybrid number	2010 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Delta Grow	DG 3788	183.0	—	—	36	25.1	35
REV	REV TM25HR39TM	182.9	168.4	—	43	18.8	29
Dyna-Gro	DG CX10015	182.4	—	—	41	25.4	34
Dyna-Gro	V5373VT3	181.4	176.0	—	44	22.6	32
DEKALB	DKC61-35 (GENVT3P)	181.2	—	—	47	17.7	31
DEKALB	DKC61-69	181.1	—	—	56	18.0	30
Croplan Genetics	8505VT3/P	180.8	—	—	43	20.8	35
B-H Genetics	X9150G	180.2	—	—	57	19.9	31
Delta Grow	DG 3988	179.7	—	—	41	18.3	30
Croplan Genetics	CPL 6831TS	179.5	179.0	—	50	24.4	29
Armor	Armor BXC028VT3	179.2	—	—	50	20.2	31
Bio Gene	BG 83V08	178.1	—	—	52	22.0	34
Delta Grow	DG 2888	178.1	—	—	39	20.4	28
Pioneer	31P42	174.6	171.1	—	52	19.8	31
AgriGold	A6553VT3	174.2	—	—	42	24.5	32
Armor	Armor BXG080GT	174.0	—	—	52	20.7	30
Armor	Armor 1511C	173.1	168.9	—	50	19.9	27
Dyna-Gro	DG58V69	166.4	164.7	—	46	22.5	35
Dyna-Gro	DG57V59	162.7	—	—	42	18.8	32
Armor	Armor 1655PRO	160.0	158.8	—	48	19.9	29
Dyna-Gro	DG CX10617	153.3	—	—	36	20.3	33
AgriGold	A6533VT3	144.9	158.6	—	37	21.3	30
Overall Mean		194.8	179.8				
LSD (.10)		17.5					
Error degrees of freedom		261					
CV (%)		7.7					
R^2(%)		67.9					

[1]Planted April 11; Harvested August 20.

Rob Coker Farm, Yazoo City

Crop Summary

The corn plots were planted into a stale seedbed with adequate moisture for germination. An adequate stand was quickly established. The growing season was hot and dry, but timely irrigations allowed for good yields.

Soil type	**Dundee silt loam**
Soil pH	**6.5**
Soil fertility	**P=M/H; K=H**
Fertilizer added	**N @ 230 lb/A + P_2O_5 @ 22.5 lb/A**
Herbicide application	**Preemergence — Lexar @ 2.5 pt/A**
	Postemergence — Accent 75DF @ 0.5 oz/A
Previous crop	**Corn**
Irrigation (Furrow)	**May 28, June 4, June 11, June 18, June 26, July 2, July 10, and July 16**
Planting date	**April 2**
Harvest date	**August 25**

Rainfall Summary

	Inches
April	**2.64**
May	**4.62**
June	**1.64**
July	**2.53**
August	**2.84**
Total	**14.27**

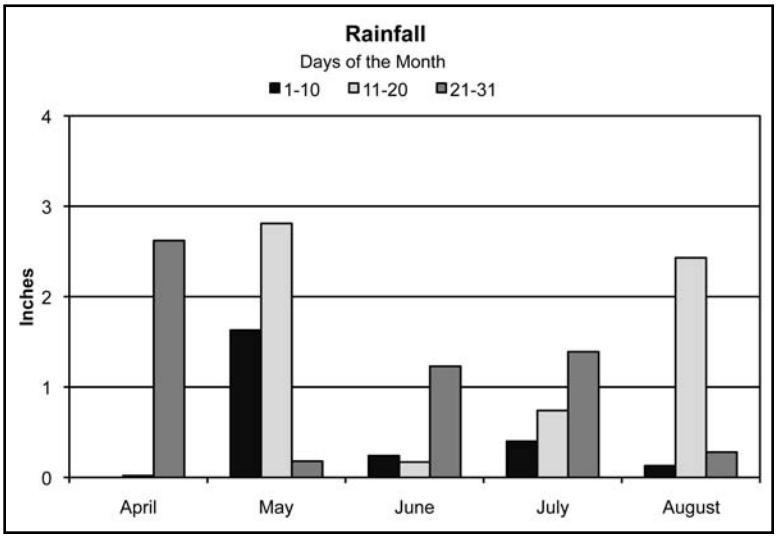

Table 13. Results from 88 corn hybrids grown with furrow irrigation on a Dundee silt loam soil near Yazoo City, Yazoo County, 2010.[1]

Brand name	Hybrid number	2010 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
REV	REV TM28R10TM	226.4	—	—	49	15.7	30
NK Brand	N82V-3000GT	218.5	—	—	44	16.0	30
Armor	Armor 1655PRO	217.8	217.1	—	46	15.5	30
Pioneer	P1615HR	216.7	—	—	48	15.6	31
Dyna-Gro	DG57V05	216.2	213.4	195.4	42	15.7	32
Dyna-Gro	DG57N73	215.6	226.3	—	44	15.5	33
Croplan Genetics	8505VT3/P	214.2	—	—	41	15.5	32
Dyna-Gro	V5683VT3	213.0	213.3	—	38	15.3	31
REV	REV TM26HR50TM	212.9	213.9	—	45	16.2	29
Pioneer	31G96	211.7	202.0	196.9	47	15.4	30
B-H Genetics	BH 8929VTTP	210.0	210.5	—	43	15.3	32
DEKALB	DKC67-88 (GENVT3P)	209.8	—	—	46	15.8	29
Armor	Armor 1868PRO	209.5	211.6	—	45	15.7	27
Pioneer	P2023HR	205.4	211.3	—	52	15.7	31
Dyna-Gro	D56VP24	205.0	—	—	38	15.4	32
AgriGold	A6553VT3	204.9	—	—	35	15.5	30
Dyna-Gro	DG58V69	204.7	204.3	—	41	15.9	31
Delta Grow	DG 2827	204.4	—	—	37	15.6	29
Pioneer	P1745HR	204.4	—	—	44	15.6	30
REV	REV TM28R30TM	204.0	217.4	—	43	15.8	30
DEKALB	DKC64-69 (GENVT3P)	203.3	—	—	37	15.8	32
Golden Acres	GA28V87	201.9	204.5	—	39	15.4	28
Pioneer	32B34	201.1	213.4	—	39	15.5	28
REV	REV TM28H29TM	201.0	—	—	43	16.0	29
Armor	Armor 1415PRO	200.8	—	—	43	16.1	27
REV	REV TM28HR20TM	200.5	199.1	—	42	15.6	30
Pioneer	31D62	199.6	—	—	40	15.8	30
Dyna-Gro	DG57V21	199.5	201.8	183.3	42	16.0	32
Golden Acres	GA27Z07	199.1	203.2	—	47	15.2	25
B-H Genetics	X9150G	197.2	—	—	54	15.7	27
DEKALB	DKC68-05 (GENVT3P)	197.1	—	—	41	15.5	32
Dyna-Gro	DG58V72	196.2	201.7	—	39	15.4	32
Pioneer	P1456HR	196.1	—	—	41	15.6	31
Croplan Genetics	851VT3	195.2	—	—	52	15.3	31
Dyna-Gro	DG CX10617	194.9	—	—	39	15.9	31
REV	REV 25R19TM	194.8	—	—	47	16.0	28
Pioneer	P1184HR	194.7	—	—	35	15.5	31
Delta Grow	DG 2888	193.6	—	—	44	15.7	29
B-H Genetics	BH 889VTTP	192.4	202.4	186.3	40	15.5	31
Merschman	M-1017A-14	192.2	—	—	40	16.0	29
Bio Gene	BG 83V08	191.8	—	—	46	15.5	33
Croplan Genetics	CPL 6818VT3	191.8	205.0	194.0	42	15.9	34
Croplan Genetics	CPL 6725VT3/P	191.8	—	—	43	15.6	29
REV	REV TM25HR49TM	191.8	203.3	—	41	15.7	29
Dyna-Gro	DG CX10015	191.5	—	—	39	16.0	30
Armor	Armor 1511C	189.5	208.8	—	42	15.5	28
Pioneer	P1389HR	188.7	—	—	41	15.7	29
B-H Genetics	BH4920HX	186.5	—	—	36	16.3	30
DEKALB	DKC67-21 (GENVT3P)	185.3	—	—	43	16.1	33
Pioneer	P1420HR	185.0	—	—	44	15.5	30
Croplan Genetics	CPL 6831TS	184.9	201.9	184.4	34	15.5	28
Croplan Genetics	CPL 8756VT3	184.6	196.0	—	50	15.7	32
AgriGold	A6633VT3	183.8	187.1	170.4	42	15.5	30
Bio Gene	BG 84V10	183.6	—	—	50	15.1	30
REV	REV TM28HR30TM	183.2	—	—	45	16.2	30
AgriGold	A6479VT3	180.8	186.7	182.9	44	15.4	30
Dyna-Gro	V5373VT3	177.1	191.1	—	40	15.5	32
Armor	Armor 1545VT3	176.3	192.1	185.8	51	15.9	28
Delta Grow	DG 3988	174.2	—	—	38	15.3	27
AgriGold	A6839	173.2	—	—	41	15.8	31
Pioneer	31P42	173.1	183.9	180.6	41	15.6	29
AgriGold	A6533VT3	172.4	197.5	—	40	15.6	28
NK Brand	N78N-3000GT	172.0	180.6	—	29	16.0	29
AgriGold	A6632VT3	171.0	192.9	173.7	41	15.7	31
Delta Grow	DG 3788	169.2	—	—	35	16.2	30
REV	REV TM25HR39TM	169.0	202.9	—	45	15.6	29

[1]Planted April 2; Harvested August 25.

Table 13 (continued). Results from 88 corn hybrids grown with furrow irrigation on a Dundee silt loam soil near Yazoo City, Yazoo County, 2010.[1]

Brand name	Hybrid number	2010 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Bio Gene	BG 83V10	169.0	—	—	45	15.3	32
DEKALB	DKC61-69	168.1	—	—	50	15.3	31
DEKALB	DKC62-97 (GENVT3P)	167.9	—	—	41	15.2	32
Armor	Armor 1457VT3	165.5	185.0	—	42	15.6	30
NK Brand	N78S-CB/LL	164.0	—	—	43	15.6	30
Armor	Armor 1539PRO	164.0	—	—	46	15.5	28
DEKALB	DKC61-35 (GENVT3P)	161.7	—	—	42	15.3	32
Dyna-Gro	DG57V40	158.3	180.3	—	45	15.4	28
DEKALB	DKC61-05 (GENVT3P)	158.0	—	—	44	15.6	31
B-H Genetics	X9148G	157.8	—	—	38	15.5	31
Merschman	M-816A	156.7	185.6	—	40	15.8	32
Armor	Armor BXC028VT3	155.4	—	—	46	15.7	29
REV	REV TM25R29TM	154.0	—	—	44	15.6	27
Armor	Armor BXG080GT	147.8	—	—	43	15.9	29
AgriGold	A6489VT3	143.6	182.9	178.8	42	15.5	32
Armor	Armor 1161PRO	141.9	171.4	—	44	15.5	29
Dyna-Gro	DG57V59	141.9	—	—	40	15.3	32
Dyna-Gro	D58VP99	134.7	—	—	45	15.4	30
DEKALB	DKC63-84	123.9	174.4	—	43	—	31
DEKALB	DKC66-96 (GENVT3P)	118.4	—	—	45	16.0	31
Dyna-Gro	D56VP79	105.6	—	—	42	15.6	31
Merschman	M-1015B-15	105.3	—	—	52	15.6	31
Overall Mean		183.7	199.4	184.4			
LSD (.10)		19.1					
Error degrees of freedom		88					
CV (%)		6.4					
R^2(%)		91.6					

[1]Planted April 2; Harvested August 25.

MAFES Delta Branch, Stoneville

Crop Summary

The crop was planted into a well-prepared seedbed with optimum moisture for germination. The seedlings quickly emerged to a good stand. Timely irrigations throughout the season resulted in excellent yields. Dry conditions towards the end of the growing season allowed for early harvest.

Soil type	**Dundee very fine sandy loam**
Soil pH	**6.4**
Soil fertility	**P=H; K=H**
Fertilizer added	**Preplant — N @100 lb/A (32% UAN) on March 3** **Sidedress — N @ 150 lb/A (32% UAN) on April 15**
Herbicide application	**Preemergence — Lexar @ 3 qt/A** **Postemergence — Permit 75 @ 1 oz/A on April 27** **Layby — Atrazine @ 8 oz/A and Lorox @ 0.5 lb/A on May 7**
Irrigation dates	**June 8, June 17, June 29, July 14, and July 25**
Previous crop	**Soybeans**
Planting date	**March 24**
Harvest date	**August 17**

Rainfall Summary

	Inches
April	**2.38**
May	**5.28**
June	**1.24**
July	**0.24**
August	**2.13**
Total	**11.27**

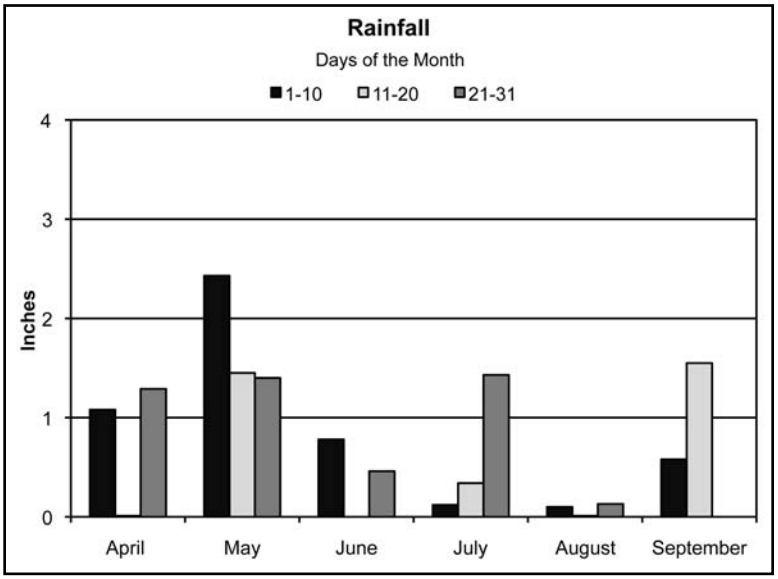

Table 14. Results from 88 corn hybrids grown with furrow irrigation on a Dundee very fine sandy loam soil at the MAFES Delta Branch Station, Stoneville, 2010.[1]

Brand name	Hybrid number	2010 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Pioneer	P1745HR	249.1	—	—	42	16.4	30
REV	REV TM26HR50TM	245.7	259.6	—	41	16.9	29
DEKALB	DKC67-88 (GENVT3P)	244.7	—	—	45	17.8	33
REV	REV TM28R10TM	241.0	—	—	46	16.1	30
REV	REV TM28HR30TM	234.3	—	—	45	18.6	29
Dyna-Gro	DG57V05	233.4	237.1	214.6	48	16.9	33
Pioneer	P2023HR	233.3	249.9	—	47	16.1	31
NK Brand	N78S-CB/LL	232.7	—	—	46	16.1	32
Pioneer	32B34	232.2	237.9	—	38	16.1	31
REV	REV TM28HR20TM	231.7	236.5	—	47	16.2	30
DEKALB	DKC64-69 (GENVT3P)	231.1	—	—	41	16.2	32
DEKALB	DKC66-96 (GENVT3P)	231.1	—	—	44	15.4	34
REV	REV TM25HR49TM	229.7	221.5	—	40	15.9	30
AgriGold	A6533VT3	229.2	235.1	—	37	15.6	31
B-H Genetics	BH 8929VTTP	227.7	220.2	—	44	16.0	32
Merschman	M-1015B-15	227.5	—	—	46	16.1	32
NK Brand	N82V-3000GT	226.0	—	—	50	16.4	31
Dyna-Gro	V5373VT3	225.1	222.2	—	44	16.4	33
Pioneer	31P42	224.4	235.1	222.6	45	15.7	30
DEKALB	DKC67-21 (GENVT3P)	224.2	—	—	44	16.6	33
Dyna-Gro	D56VP24	224.1	—	—	36	15.9	33
Golden Acres	GA27Z07	223.8	225.7	—	50	15.8	31
Pioneer	P1615HR	223.8	—	—	37	16.2	32
Armor	Armor 1161PRO	223.3	217.6	—	44	15.7	30
B-H Genetics	BH 889VTTP	223.0	226.6	209.6	52	16.2	31
Pioneer	P1420HR	223.0	—	—	40	15.5	31
DEKALB	DKC61-35 (GENVT3P)	222.3	—	—	38	15.4	33
AgriGold	A6553VT3	222.1	—	—	33	16.4	31
NK Brand	N78N-3000GT	221.7	233.8	—	35	18.2	29
REV	REV TM28R30TM	221.4	240.9	—	44	16.5	30
Bio Gene	BG 84V10	221.1	—	—	48	15.7	31
Croplan Genetics	CPL 6725VT3/P	220.5	—	—	45	15.9	30
Pioneer	31D62	220.4	—	—	37	16.0	30
DEKALB	DKC68-05 (GENVT3P)	219.5	—	—	38	15.9	33
REV	REV TM25HR39TM	218.6	236.2	—	37	15.5	29
Croplan Genetics	CPL 6818VT3	218.3	218.9	203.6	48	16.2	32
Dyna-Gro	DG58V72	217.4	223.0	—	37	16.1	32
Croplan Genetics	CPL 8756VT3	217.3	231.0	—	38	16.6	33
Pioneer	P1184HR	217.0	—	—	38	15.5	32
Dyna-Gro	DG57N73	216.9	232.2	—	43	15.6	33
Delta Grow	DG 2827	215.7	—	—	40	15.5	29
REV	REV 25R19TM	215.4	—	—	44	15.5	31
Dyna-Gro	DG57V40	214.8	214.6	—	45	15.8	33
Armor	Armor 1539PRO	214.5	—	—	47	16.3	29
Pioneer	31G96	214.5	229.4	221.0	44	15.5	30
Armor	Armor 1511C	214.1	222.2	—	48	15.6	25
Pioneer	P1456HR	214.0	—	—	40	15.8	30
Merschman	M-816A	213.7	231.6	—	47	16.5	30
REV	REV TM28H29TM	213.2	—	—	44	17.3	30
AgriGold	A6489VT3	212.9	218.0	205.5	33	15.7	32
Pioneer	P1389HR	211.9	—	—	40	15.6	29
DEKALB	DKC61-05 (GENVT3P)	211.6	—	—	44	15.6	32
REV	REV TM25R29TM	211.0	—	—	45	15.7	29
DEKALB	DKC63-84	211.0	217.8	—	40	15.7	33
Dyna-Gro	V5683VT3	210.4	224.9	—	44	15.6	33
Bio Gene	BG 83V08	209.9	—	—	48	15.8	32
AgriGold	A6632VT3	209.7	221.4	208.4	42	16.0	31
AgriGold	A6633VT3	209.3	226.5	210.0	37	16.2	31
Croplan Genetics	851VT3	209.0	—	—	48	16.2	31
Dyna-Gro	DG57V21	208.9	209.2	194.9	47	15.8	32
Armor	Armor 1545VT3	208.6	207.0	193.3	48	16.0	29
DEKALB	DKC61-69	208.4	—	—	44	15.1	33
Armor	Armor 1415PRO	206.9	—	—	48	16.1	30
Dyna-Gro	D58VP99	206.7	—	—	40	15.6	32
DEKALB	DKC62-97 (GENVT3P)	205.8	—	—	34	15.6	34
Croplan Genetics	CPL 6831TS	205.7	210.0	196.8	40	16.4	30

[1]Planted March 24; Harvested August 17.

Table 14 (continued). Results from 88 corn hybrids grown with furrow irrigation on a Dundee very fine sandy loam soil at the MAFES Delta Branch Station, Stoneville, 2010.[1]

Brand name	Hybrid number	2010 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
AgriGold	A6839	203.2	—	—	40	16.1	32
Golden Acres	GA28V87	203.1	214.7	—	46	15.7	29
Armor	Armor 1655PRO	202.8	214.9	—	43	15.9	30
B-H Genetics	X9148G	202.2	—	—	40	15.4	33
B-H Genetics	BH4920HX	201.6	—	—	46	19.1	30
Armor	Armor BXC028VT3	201.3	—	—	53	16.0	29
Delta Grow	DG 3988	201.0	—	—	43	15.5	30
Dyna-Gro	DG58V69	200.8	214.8	—	48	16.3	31
AgriGold	A6479VT3	200.6	214.3	205.2	41	15.6	31
Delta Grow	DG 3788	199.5	—	—	38	16.6	32
B-H Genetics	X9150G	195.5	—	—	53	15.8	30
Bio Gene	BG 83V10	194.8	—	—	45	15.1	33
Croplan Genetics	8505VT3/P	194.7	—	—	45	16.0	33
Merschman	M-1017A-14	194.6	—	—	40	15.9	30
Dyna-Gro	DG57V59	192.0	—	—	50	15.2	32
Dyna-Gro	D56VP79	190.9	—	—	43	15.6	32
Dyna-Gro	DG CX10015	179.3	—	—	42	16.8	33
Armor	Armor BXG080GT	178.4	—	—	44	15.8	30
Armor	Armor 1457VT3	176.9	200.0	—	42	16.4	30
Delta Grow	DG 2888	171.9	—	—	44	16.0	29
Armor	Armor 1868PRO	171.7	185.0	—	41	16.0	28
Dyna-Gro	DG CX10617	168.3	—	—	38	15.8	31
Overall Mean		213.4	224.1	207.1			
LSD (.10)		16.9					
Error degrees of freedom		261					
CV (%)		6.8					
R^2(%)		62.7					

[1]Planted March 24; Harvested August 17.

MAFES Delta Branch, Stoneville (Sharkey Clay)

Crop Summary

The corn plots were planted flat into a well-prepared field that had been tilled and cultipacked. Soil moisture was adequate at planting, and the corn emerged to a good stand. Conditions were favorable for corn growth for majority of the season. Irrigations resulted in respectable yields. The dry weather during the late summer resulted in good conditions for early harvest.

Soil type	**Sharkey Clay**
Soil pH	**7.3**
Soil fertility	**P=H, K=H**
Fertilizer added	**N @ 250 lb/A (32% UAN) on April 15**
Herbicide application	**Preemergence — Lexar @ 3 qt/A** **Layby — Atrazine @ 8 oz/A and Lorox @ 0.5 lb/A**
Irrigation dates	**June 23, July 8, July 21, and August 6**
Previous crop	**Soybeans**
Planting date	**April 5**
Harvest date	**August 17**

Rainfall Summary

	Inches
April	**2.38**
May	**5.28**
June	**1.24**
July	**0.24**
August	**2.13**
Total	**11.27**

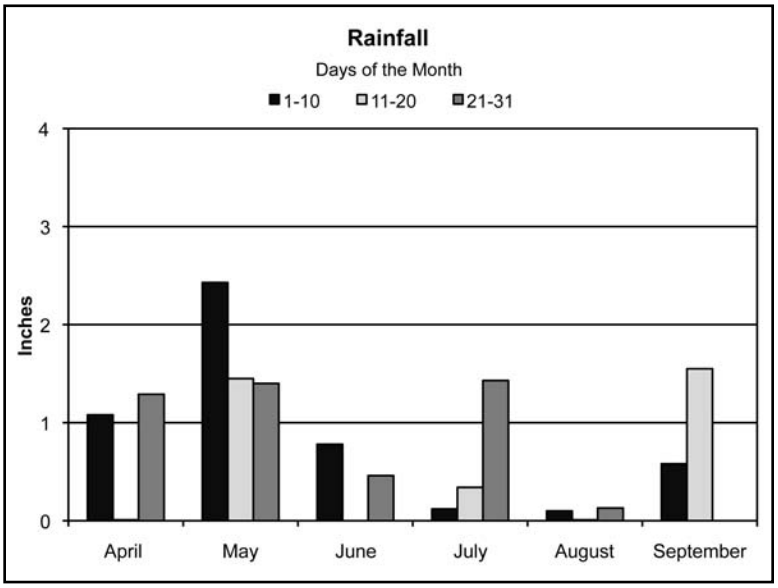

Table 15. Results from 88 corn hybrids grown with furrow irrigation on a Sharkey clay soil at the MAFES Delta Branch Station, Stoneville, 2010.[1]

Brand name	Hybrid number	2010 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
DEKALB	DKC67-21 (GENVT3P)	173.6	—	—	44	20.2	31
NK Brand	N78N-3000GT	169.1	—	—	35	20.3	24
Merschman	M-1015B-15	169.0	—	—	46	16.7	29
AgriGold	A6489VT3	168.1	—	—	33	18.5	31
DEKALB	DKC61-05 (GENVT3P)	161.2	—	—	44	16.5	30
DEKALB	DKC64-69 (GENVT3P)	160.3	—	—	41	17.5	28
Armor	Armor 1539PRO	158.2	—	—	47	18.5	27
AgriGold	A6533VT3	158.1	—	—	37	16.1	29
DEKALB	DKC63-84	158.0	—	—	40	17.7	31
Pioneer	P1745HR	157.7	—	—	42	18.1	29
DEKALB	DKC68-05 (GENVT3P)	157.5	—	—	38	17.9	27
Croplan Genetics	CPL 6725VT3/P	154.9	—	—	45	17.2	26
Dyna-Gro	D56VP79	154.8	—	—	43	16.4	30
DEKALB	DKC67-88 (GENVT3P)	154.6	—	—	45	21.3	30
Croplan Genetics	8505VT3/P	152.3	—	—	45	17.6	30
Dyna-Gro	V5683VT3	151.8	—	—	44	17.6	31
Pioneer	31G96	150.7	—	—	44	17.3	29
Dyna-Gro	DG57V59	150.5	—	—	50	16.2	29
Merschman	M-1017A-14	150.5	—	—	40	18.2	28
Armor	Armor BXC028VT3	150.3	—	—	53	16.4	28
Dyna-Gro	DG57V40	150.0	—	—	45	17.4	31
DEKALB	DKC66-96 (GENVT3P)	149.8	—	—	44	16.1	30
DEKALB	DKC61-35 (GENVT3P)	149.6	—	—	38	15.9	30
AgriGold	A6632VT3	149.4	—	—	42	18.6	27
AgriGold	A6553VT3	149.2	—	—	33	17.2	29
Pioneer	P1420HR	148.4	—	—	40	16.2	30
Pioneer	P2023HR	147.9	—	—	47	18.6	30
NK Brand	N82V-3000GT	147.6	—	—	50	19.8	29
Pioneer	32B34	146.3	—	—	38	16.5	29
Golden Acres	GA28V87	145.3	—	—	46	17.3	29
Dyna-Gro	D58VP99	145.2	—	—	40	16.1	27
Armor	Armor BXG080GT	143.6	—	—	44	17.7	29
NK Brand	N78S-CB/LL	143.4	—	—	46	19.5	28
AgriGold	A6479VT3	143.2	—	—	41	17.3	29
Dyna-Gro	DG CX10015	142.6	—	—	42	21.1	30
Pioneer	P1389HR	142.1	—	—	40	16.3	29
Armor	Armor 1868PRO	142.1	—	—	41	19.0	27
Croplan Genetics	851VT3	142.1	—	—	48	19.2	28
Pioneer	P1184HR	142.1	—	—	38	16.2	29
B-H Genetics	BH 8929VTTP	141.2	—	—	44	17.4	27
Armor	Armor 1511C	140.8	—	—	48	16.8	26
AgriGold	A6839	140.7	—	—	40	16.8	32
Armor	Armor 1415PRO	140.5	—	—	48	17.0	26
DEKALB	DKC61-69	140.3	—	—	44	16.4	30
AgriGold	A6633VT3	140.3	—	—	37	19.2	28
Armor	Armor 1655PRO	140.1	—	—	43	17.0	28
Delta Grow	DG 3988	140.0	—	—	43	16.0	26
Armor	Armor 1161PRO	139.7	—	—	44	16.4	27
Croplan Genetics	CPL 6831TS	139.6	—	—	40	19.9	29
REV	REV TM28HR20TM	139.6	—	—	47	17.3	26
REV	REV TM26HR50TM	139.4	—	—	41	18.5	26
Armor	Armor 1545VT3	138.8	—	—	48	19.4	27
Armor	Armor 1457VT3	138.7	—	—	42	20.3	27
DEKALB	DKC62-97 (GENVT3P)	138.4	—	—	34	16.3	30
Bio Gene	BG 83V10	138.2	—	—	45	15.8	31
Delta Grow	DG 2888	137.6	—	—	44	17.2	25
REV	REV TM28R10TM	136.4	—	—	46	17.9	29
Delta Grow	DG 3788	136.1	—	—	38	20.3	30
Dyna-Gro	DG CX10617	136.1	—	—	38	18.5	29
Bio Gene	BG 83V08	135.6	—	—	48	19.2	29
Pioneer	31P42	135.5	—	—	45	16.4	26
Pioneer	31D62	135.4	—	—	37	16.5	28
REV	REV TM28HR30TM	133.2	—	—	45	21.9	28
Dyna-Gro	V5373VT3	132.8	—	—	44	20.4	31
REV	REV TM25HR39TM	131.6	—	—	37	16.4	27
B-H Genetics	X9150G	131.3	—	—	53	18.1	26

[1]Planted April 5; Harvested August 17.

Table 15 (continued). Results from 88 corn hybrids grown with furrow irrigation on a Sharkey clay soil at the MAFES Delta Branch Station, Stoneville, 2010.[1]

Brand name	Hybrid number	2010 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Dyna-Gro	DG57V21	131.3	—	—	47	20.6	32
Merschman	M-816A	131.3	—	—	47	18.5	29
B-H Genetics	X9148G	129.3	—	—	40	18.6	29
Dyna-Gro	D56VP24	129.3	—	—	36	20.1	30
Golden Acres	GA27Z07	129.1	—	—	50	18.9	29
Dyna-Gro	DG57V05	128.2	—	—	48	20.1	31
Pioneer	P1615HR	127.9	—	—	37	19.0	27
Dyna-Gro	DG57N73	122.7	—	—	43	16.5	30
B-H Genetics	BH 889VTTP	121.5	—	—	52	19.1	27
Croplan Genetics	CPL 6818VT3	120.6	—	—	48	17.6	29
REV	REV TM25HR49TM	120.4	—	—	40	16.5	28
REV	REV TM28R30TM	119.0	—	—	44	20.4	27
REV	REV TM25R29TM	118.1	—	—	45	16.5	27
Dyna-Gro	DG58V69	117.2	—	—	48	21.6	30
Croplan Genetics	CPL 8756VT3	115.2	—	—	38	19.4	32
Delta Grow	DG 2827	112.6	—	—	40	16.5	27
B-H Genetics	BH4920HX	111.6	—	—	46	23.8	28
REV	REV 25R19TM	110.1	—	—	44	16.7	29
Dyna-Gro	DG58V72	108.4	—	—	37	21.2	31
REV	REV TM28H29TM	94.0	—	—	44	18.8	27
Pioneer	P1456HR	91.9	—	—	40	16.0	30
Bio Gene	BG 84V10	83.5	—	—	48	19.6	30
Overall Mean		138.9					
LSD (.10)		14.6					
Error degrees of freedom		261					
CV (%)		9					
R^2(%)		71.9					

[1]Planted April 5; Harvested August 17.

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