Mississippi Corn for Grain and Grain Sorghum Variety Trials, 2002

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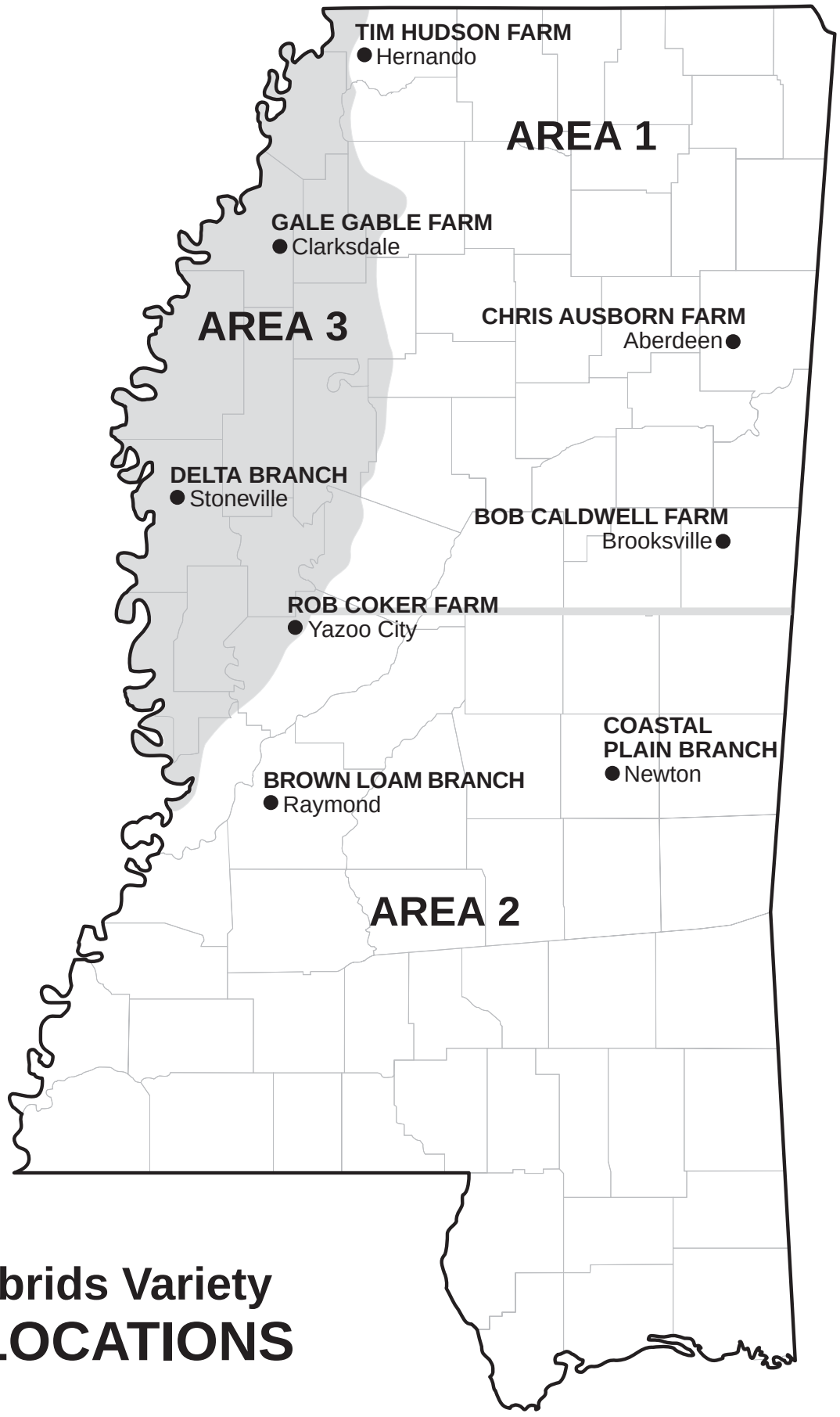
NOTICE TO USER

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 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.



Corn Hybrids Variety
TEST LOCATIONS

Mississippi Corn for Grain and Grain Sorghum Variety Trials, 2002

Procedure

Trials were conducted on Experiment Station land or on grower-cooperator fields in three geographical areas in Mississippi: Area I, located north of Interstate 20 (three dryland locations); Area II, located south of Interstate 20 (two dryland locations); and Area III, located in the Delta region of Mississippi (three irrigated locations) (see map). Commercial seed companies were given the opportunity to enter hybrids in Area I, Area II, or Area III.

Plots consisted of two 30-inch rows, 13.33 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. Lorsban 15G was donated by Dow Agrosciences and applied in-furrow at planting for insect control. Experimental design was a randomized complete block with five replications at each location.

Hybrids were separated into two maturity groups based upon relative maturity as specified by the sponsoring companies. Those hybrids with a relative maturity of 115 days or less were considered to be early maturing, while those listed as requiring 116 days or more to mature were considered late maturing.

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. Phosphorus, potassium, and lime were applied according to soil test recommendations. Nitrogen was applied in Areas I and II at 140 to 200 pounds per acre, and plots in Area III received 200 to 300 pounds of N per acre. Plots in Areas I and II were grown in dryland conditions, and plots in Area III were irrigated, if necessary.

Variables Measured in the Corn Hybrid Tests

Yield: An Almaco SPC 20 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.

Root Lodging: Root lodging is the percentage of plants, based on actual counts of all plants in each plot, that were leaning more than 30 degrees from vertical at harvest.

Stalk Lodging: Stalk lodging is the percentage of plants, based on actual counts of all plants in each plot, that were broken below the upper ear-bearing node at harvest.

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 at time of harvest.

USE OF DATA TABLES AND SUMMARY STATISTICS

The yield potential of a given variety cannot be measured with complete accuracy. Consequently, replicate plots of all varieties are evaluated for yield, and the yield of a given variety is estimated as the mean of all replicate plots of that variety. Yields vary somewhat from one replicate plot to another, which introduces a certain degree of error to the estimation of yield potential. As a result, although the mean yields of some varieties are numerically different, the two varieties 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 varieties 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:

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

The difference between variety A and variety 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 variety A and variety 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 variety A and variety 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 variety A is superior to that of variety 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. Location, number of entries, planting dates, and harvest dates for 2002 corn hybrid trials.

Location	Maturity[1]	No. of entries	Planting date	Harvest date
Area I				
Tim Hudson Farm	Early	33	April 16	September 11
(Hernando)	Late	29	April 16	September 11
Bob Caldwell Farm	Early	33	April 19	September 9
(Brooksville)	Late	29	April 19	September 9
Chris Ausborn Farm	Early	33	April 19	September 13
(Aberdeen)	Late	29	April 19	September 13
Area II				
Coastal Plain Branch	Early	16	March 28	Did not harvest
(Newton)	Late	19	March 28	Did not harvest
Brown Loam Branch	Early	16	April 17	September 10
(Raymond)	Late	19	April 17	September 10
Area III				
Rob Coker Farm	Early	40	March 29	August 30
(Yazoo City)	Late	35	March 29	August 30
Gale Gable Farm	Early	40	April 16	September 12
(Clarksdale)	Late	35	April 16	September 12
Delta Branch	Early	40	April 5	September 5
(Stoneville)	Late	35	April 5	September 5

[1]Early maturity = 115 days or less; late maturity =116 days or more.

Table 2. Characteristics provided by sponsoring companies for corn hybrids entered in the 2002 Mississippi variety trials.

Company	Hybrid	Trait [1]	Planting rate (x1000)	Days to maturity	Grain texture [2]	MDMV resistance [3]	MCDV resistance [3]
AgriGold Hybrids	A6445RR	RR	32	109	M	S	S
Rt. 1 Box 203	A6490Bt	Bt	32	114	H	-	-
St. Francisville, IL 62460	A6490RR	RR	32	112	H	-	-
618-943-5776	A6607		32	114	H	S	S
	XA3033		28	115	S	-	-
	XA2100Bt	Bt	32	118	H	-	-
FFR Seed	736Bt	Bt	32	112	M	-	-
969 Cloverleaf Drive	740		32	113	M	-	-
Southaven, MS 38671	80191		32	118	M	-	-
731-394-4679							
Garst Seed Co.	8288		28	118	H	-	-
761 Walnut Knoll Lane	8222IT	IT	28	119	H	-	-
Memphis, TN 38018	8230IT	IT	28	118	M	MR	MR
901-844-7340	8366Bt	Bt	28	113	M	-	-
	8285RR	RR	28	117	M	-	-
	8118RR	RR	28	118	M	MR	MR
Genesis Brand Seed	Genesis 3214YG	YG	32	115	-	-	-
P.O. Box 21085	Genesis 2A16YG	YG	32	116	-	-	-
Lansing, MI 48909	Genesis 2B16TR	YG/RR	32	116	-	-	-
517-887-1684	Genesis 2A16RR	RR	32	116	-	-	-
	Genesis 2C14RR	RR	32	114	-	-	-
	Genesis 2C15RR	RR	32	115	-	-	-
	Genesis 2A14RR	RR	32	114	-	-	-
	Genesis 3215RR	RR	32	115	-	-	-
Golden Acres Genetics	GA 8460		32	118	M	MR	MR
P.O. Box 579	GA 8112		32	115	H	S	S
Buchanan Dam, TX 78609	GA 2888IMI	IMI	32	116	H	S	S
512-793-5205							
Land O' Lakes/	733Bt	Bt	28/32	111	-	-	-
Croplan Genetics	702		28/32	120	-	-	-
P.O. Box 146	691Bt	Bt	28/32	111	-	-	-
Blytheville, AR 72316	721		28/32	113	-	-	-
870-762-1557	747		28/32	114	-	-	-
	DS738		28/32	114	-	-	-
	818Bt	Bt	28/32	117	-	-	-
	827		28/32	118	-	-	-
	DS822RR	RR	28/32	119	-	-	-
Monsanto	DKC64-10	RR	28/32	114	-	-	-
3100 Sycamore Rd.	DKC64-11	RR/YG	28/32	114	-	-	-
DeKalb, IL 60115	DKC68-70	YG	28/32	118	-	-	-
815-758-9323	DKC69-70	YG	28/32	119	-	-	-
	DK687RR	RR	28/32	118	-	-	-
	DK697		28/32	119	-	-	-
	EXP267		28/32	117	-	-	-
	RX897RR	RR	28/32	118	-	-	-
NC+ Hybrids	NC+6962R	RR	28	118	M	-	-
3820 N 56							
Box 4408							
Lincoln, NE 68504							
402-467-2517							
Pioneer Hi-Bred Intl.	34B23		32	108	-	MS	MS
6767 Old Madison Pike	33J57	YG	28	114	S	MR	MR
Suite 110	32R25		28	116	M	MS	MS
Huntsville, AL 35806	31G98		28	117	-	MS	MS
256-971-0760	31R88		28	120	-	MS	MS
	32D99		28	118	M	MS	MS
	32W86		28	114	M	MS	MS
	31B13	YG	28	119	-	MS	MS
	34B24	YG	32	110	M	MS	MS

[1]RR = Incorporates Roundup Ready Technology; IT, CL, IMI = Incorporates CLEARFIELD Technology; and Bt, YG = Corn Borer Protection Technology.
[2]M = Medium, H = Hard, R = Resistance to weevil is good, and S = Soft.
[3]MDMV = Maize Dwarf Mosaic Virus, MCDV = Maize Chlorotic Dwarf Virus (corn stunt), S = Susceptible, R = Resistant, MR = Moderately Resistant, and MS = Moderately Susceptible.

Table 2 (cont.). Characteristics provided by sponsoring companies for corn hybrids entered in the 2002 Mississippi variety trials.

Company	Hybrid	Trait [1]	Planting rate (x1000)	Days to maturity	Grain texture [2]	MDMV resistance [3]	MCDV resistance [3]
Southern States Coop P.O. Box 26234 6606 West Broad St. Richmond, VA 23200 804-281-1253	SS859CL SS740	CL	28 30	119 114	M -	MR -	MR -
Syngenta Seed 100 Sangria Drive Hattiesburg, MS 39402 601-264-2878	N65-M7 N83-N5 N83-Z8	 Bt	28 28 28	108 118 119	M MH MH	- - -	- - -
Terral Seed Inc. P.O. Box 826 Lake Providence, LA 71254 318-559-2840	TV2130 TV2140 TV2140RR TV2155Bt TV2160Bt TV26BR10n TVX24R002 TV23R15n TV2140Xn1RR TV2140Xn2RR	 RR Bt Bt RR/Bt RR RR RR RR	28/30 26/28 26/28 26/28 26/28 28/30 28/30 28/30 26/28 26/28	113 114 114 115 115 115 114 115 114 114	MH H H H H MH H H H H	MR - MR MS MR - - - - -	- - - - - - - - - -
Triumph Seed Co. Inc. P.O. Box 1050 Ralls, TX 79357 800-530-4789	1866Bt	Bt	32	115	H(R)	MR	MR
UAP Mid South 57 Germantown Court Suite 200 Cordova, TN 38018 901-752-4223	DG5515 DG5516 DG5516RR DG5518 DG5518RR DG57K39 DG58K56 DGX15609 DG57K66 DG58K22 DG57P35	 RR RR RR RR RR RR RR YG/RR	32 32 32 32 32 32 32 32 32 32 32	117 116 115 118 118 114 118 118 115 118 114	H H H H H H H H H H H	M MR M - - - - - - - -	- MR - - - - - - - - -
Unity Seeds 107 Fallon St. Kentland, IN 47751 800-338-4558	6615 7114		24 28	117 114		MR MR	MR MR

[1]RR = Incorporates Roundup Ready Technology; IT, CL, IMI = Incorporates CLEARFIELD Technology; and Bt, YG = Corn Borer Protection Technology.
[2]M = Medium, H = Hard, R = Resistance to weevil is good, and S = Soft.
[3]MDMV = Maize Dwarf Mosaic Virus, MCDV = Maize Chlorotic Dwarf Virus (corn stunt), S = Susceptible, R = Resistant, MR = Moderately Resistant, and MS = Moderately Susceptible.

Tim Hudson Farm, Hernando

Crop Summary

Corn was planted no-till into soybean stubble. The test received adequate rainfall throughout the growing season. Insect disease and weed pressure was light throughout the growing season. Limited corn borer damage was noted.

Soil type . . . . . Collins silt loam
Soil pH 6.2
Soil fertility . . . . . P=H; K=H
Fertilizer added . . . . . Sidedress – N @ 200 lb/A
Herbicide application . . . . . Preemergence – Atrazine @ 2 qt/A
Previous crop . . . . . Soybeans
Planting date . . . . . April 16
Harvest date . . . . . September 11

Table 3. Characteristics of 33 early-maturing corn hybrids grown without irrigation on a Collins silt loam soil in Hernando, DeSoto County, 2002.[1]

Brand name	Hybrid number	2002 yield	2-year average	3-year average	Root lodging	Stalk lodging	Ear height	Moisture content	Harvested stand (x1000)
		bu/A	*bu/A*	*bu/A*	*%*	*%*	*in*	*%*	
Pioneer	32W86	229.8	-	-	0	0	53	16.0	33
Pioneer	33J57(YG)	224.9	-	-	0	0	51	15.1	30
FFR	736Bt	224.6	-	-	0	2	52	15.8	34
Pioneer	34B24(YG)	220.0	156.3	-	0	1	49	15.8	34
Pioneer	34B23	211.9	151.3	161.7	0	2	45	15.6	34
Terral	TV26BR10n(RR)	211.0	-	-	0	0	48	16.1	33
Terral	TV2140	210.1	170.0	162.4	0	1	57	16.9	32
Dyna-Gro	DG57P35(YG/RR)	209.8	-	-	0	1	52	15.5	35
Terral	TV2140Xn1RR	209.4	-	-	0	1	56	15.7	29
AgriGold	A6490RR	205.9	-	-	0	1	46	15.0	33
AgriGold	A6607	205.8	-	-	0	1	46	16.1	34
Terral	TV2160Bt	205.4	-	-	0	0	58	17.1	31
Terral	TV2130	204.7	180.5	176.7	0	1	59	15.9	32
Terral	TV23R15n(RR)	204.3	-	-	0	1	55	15.8	32
DEKALB	DKC64-11(RR/YG)	202.4	-	-	0	0	50	14.3	32
Terral	TV2155Bt	201.3	166.9	-	0	1	55	16.5	30
Croplan Genetics	691Bt	200.8	-	-	0	1	48	15.8	33
DEKALB	DKC64-10(RR)	200.6	-	-	0	1	49	14.3	32
Terral	TV2140RR	200.5	172.1	172.3	0	1	59	16.1	31
Unity Seeds	7114	199.8	-	-	0	2	46	14.8	30
Terral	TV2140Xn2(RR)	199.5	-	-	0	0	57	16.5	32
Terral	TVX24R002(RR)	199.4	-	-	0	1	57	17.4	31
FFR	740	199.1	-	-	0	0	48	15.9	34
Croplan Genetics	DS738	198.6	-	-	0	2	47	16.5	32
Croplan Genetics	747	198.3	-	-	0	1	49	15.9	32
Dyna-Gro	5516RR	194.0	176.9	178.7	0	1	56	16.2	35
NK Brand	N65-M7	192.4	-	-	0	3	40	15.1	31
Croplan Genetics	733BT	191.5	126.7	-	0	0	42	15.1	31
Southern States	SS740	191.4	-	-	0	2	46	16.0	32
Dyna-Gro	DG57K66(RR)	189.1	-	-	0	0	55	16.4	34
Garst	8366Bt	188.0	-	-	0	1	52	15.1	33
Croplan Genetics	721	186.6	-	-	0	1	45	16.3	30
Dyna-Gro	DG57K39(RR)	174.8	-	-	0	1	45	16.6	32
Overall mean		202.6	166.6	170.4					
LSD (.10)		21.3	20.7	16.3					
Error degrees of freedom		128	53	48					
CV (%)		10.0	16.2	15.6					
R^2 (%)		45	81	76					

[1]Planted April 16; harvested September 11.

Rainfall Summary

	Inches
April	2.36
May	5.33
June	2.22
July	8.58
August	5.26
Total	23.75

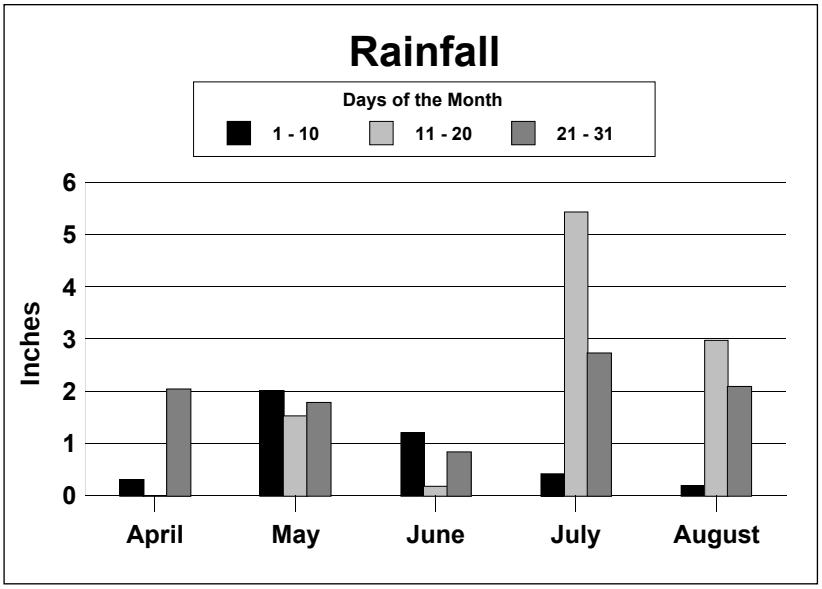


Table 4. Characteristics of 29 late-maturing corn hybrids grown without irrigation on a Collins silt loam soil in Hernando, DeSoto County, 2002.[1]

Brand name	Hybrid number	2002 yield	2-year average	3-year average	Root lodging	Stalk lodging	Ear height	Moisture content	Harvested stand (x1000)
		bu/A	*bu/A*	*bu/A*	*%*	*%*	*in*	*%*	
Pioneer	32D99	237.1	-	-	0	0	54	16.3	32
Pioneer	31B13(YG)	230.2	-	-	0	1	58	16.4	32
Pioneer	32R25	227.5	-	-	0	0	61	16.2	34
Dyna-Gro	5518RR	227.4	-	-	0	1	57	16.4	34
Croplan Genetics	818Bt	226.0	-	-	0	0	49	17.9	34
NK Brand	N83-Z8(Bt)	223.7	-	-	0	0	57	17.0	33
Pioneer	31G98	221.3	-	-	0	1	56	16.3	33
FFR	80191	219.5	-	-	0	0	46	17.4	33
Dyna-Gro	DG58K22(RR)	219.1	-	-	0	1	56	16.2	33
Croplan Genetics	DS822RR	218.3	-	-	0	6	54	17.5	32
NK Brand	N83-N5	217.6	-	-	0	1	56	13.8	32
Pioneer	31R88	217.2	-	-	0	1	55	16.5	34
Garst	8288	213.6	-	-	0	0	48	17.1	30
DEKALB	DKC69-70(YG)	213.6	-	-	0	0	53	19.7	34
DEKALB	DK697	212.4	-	-	0	0	50	17.5	33
Garst	8285RR	211.7	-	-	0	0	59	13.6	33
Monsanto	EXP267	207.6	-	-	0	1	59	14.7	32
Croplan Genetics	702	207.1	-	-	0	0	50	14.8	33
NC+	NC+6962R	203.0	-	-	0	0	55	16.1	32
Garst	8230IT	201.4	-	-	0	2	56	17.1	32
AgriGold	XA2100Bt	195.3	-	-	0	0	42	16.8	33
DEKALB	DK687RR	190.3	-	-	0	0	54	16.7	32
Dyna-Gro	5518	189.4	-	-	0	0	58	16.6	36
DEKALB	DKC68-70(YG)	184.4	-	-	0	0	54	16.5	32
Asgrow	RX897RR	182.1	-	-	0	0	56	16.2	34
Garst	8222IT	179.9	-	-	0	2	48	17.1	29
Garst	8118RR	174.0	-	-	0	2	57	17.8	32
Croplan Genetics	827	170.6	-	-	0	5	55	18.0	32
Unity Seeds	6615	166.2	-	-	0	0	47	15.3	28
Overall mean		206.5	-	-					
LSD (.10)		28.3	-	-					
Error degrees of freedom		112	-	-					
CV (%)		13.1	-	-					
R^2 (%)		46	-	-					

[1]Planted April 18; harvested September 11.

Bob Caldwell, Jr., Farms, Brooksville

Crop Summary

Corn was planted into stale seedbeds prepared the previous fall. Corn emerged to a good stand. Dry weather in May and June followed by timely rain from mid- to late season allowed for above-average yields.

Soil type . . . . . **Brooksville silty clay**
Soil pH **6.1**
Soil fertility . . . . . **P=M; K=H**
Fertilizer added . . . . . **Preplant – P_2O_5 @ 67 lb/A + K_2O @ 100 lb/A**
Sidedress – N @ 200 lb/A
Herbicide application . . . . **Preemergence – Atrazine @ 2 qt/A**
+ Dual II @ 1.5 pt/A
Previous crop . . . . . **Corn**
Planting date . . . . . **April 19**
Harvest date . . . . . **September 9**

Table 5. Characteristics of 33 early-maturing corn hybrids grown without irrigation on a Brooksville silty clay soil in Brooksville, Noxubee County, 2002.[1]

Brand name	Hybrid number	2002 yield	2-year average	3-year average	Root lodging	Stalk lodging	Ear height	Moisture content	Harvested stand (x1000)
		bu/A	*bu/A*	*bu/A*	*%*	*%*	*in*	*%*	
Dyna-Gro	DG57K66(RR)	201.4	-	-	0	0	49	14.6	34
Terral	TV2160Bt	193.8	-	-	0	0	50	15.6	34
NK Brand	N65-M7	191.4	-	-	0	0	41	13.2	33
Terral	TV26BR10n(RR)	190.8	-	-	0	0	46	13.9	32
FFR	740	190.4	-	-	0	0	40	15.1	34
Terral	TV2155Bt	189.4	205.5	-	0	0	49	16.0	31
Terral	TV2140Xn1RR	183.0	-	-	0	0	48	15.0	32
Terral	TV2140Xn2(RR)	181.9	-	-	0	0	50	14.9	30
Croplan Genetics	691Bt	178.7	-	-	0	0	40	14.6	32
Croplan Genetics	DS738	176.3	-	-	0	0	38	15.2	32
Croplan Genetics	747	176.2	-	-	0	0	43	15.0	31
Terral	TV2140	176.1	205.6	166.4	0	0	45	14.9	33
Dyna-Gro	DG57K39(RR)	176.0	-	-	0	0	41	13.8	34
Terral	TV2130	175.8	203.5	168.1	0	0	49	15.0	34
Dyna-Gro	DG57P35(YG/RR)	173.6	-	-	0	0	46	14.0	34
Pioneer	33J57(YG)	172.5	-	-	0	0	42	14.4	32
Pioneer	34B24(YG)	172.3	171.7	-	0	0	40	14.3	34
AgriGold	A6607	172.1	-	-	0	0	39	15.2	34
Pioneer	34B23	172.0	173.8	149.0	0	1	39	14.4	32
Croplan Genetics	721	170.9	-	-	0	0	43	13.5	32
Dyna-Gro	5516RR	170.0	195.5	-	0	0	43	14.4	34
AgriGold	A6490RR	169.9	-	-	0	0	40	13.9	34
Terral	TVX24R002(RR)	168.9	-	-	0	0	50	16.1	33
DEKALB	DKC64-10(RR)	166.0	-	-	0	0	42	13.4	30
Garst	8366Bt	163.1	-	-	0	0	44	14.0	33
Croplan Genetics	733BT	162.1	163.3	-	0	0	36	14.0	32
Terral	TV23R15n(RR)	160.8	-	-	0	0	45	14.3	31
Southern States	SS740	158.4	-	-	0	1	37	15.0	30
Pioneer	32W86	152.5	-	-	0	1	41	14.4	32
Unity Seeds	7114	151.7	-	-	0	0	42	13.8	28
FFR	736Bt	149.9	-	-	0	1	41	13.9	33
DEKALB	DKC64-11(RR/YG)	144.2	-	-	0	0	38	14.0	31
Terral	TV2140RR	143.9	181.2	144.2	0	0	43	15.0	29
Overall mean		172.0	187.5	156.9					
LSD (.10)		28.9	21.1	14.1					
Error degrees of freedom		128	56	36					
CV (%)		16.0	15.1	14.6					
R^2 (%)		33	64	91					

[1]Planted April 19; harvested September 9.

Rainfall Summary

	Inches
April	2.86
May	2.00
June	2.04
July	5.80
August	5.34
Total	18.04

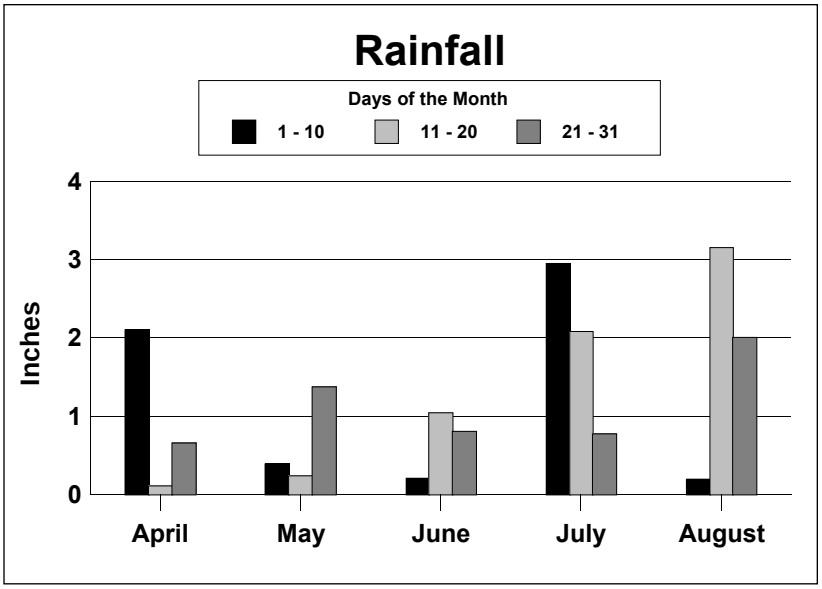


Table 6. Characteristics of 29 late-maturing corn hybrids grown without irrigation on a Brooksville silty clay soil in Brooksville, Noxubee County, 2002.[1]

Brand name	Hybrid number	2002 yield	2-year average	3-year average	Root lodging	Stalk lodging	Ear height	Moisture content	Harvested stand (x1000)
		bu/A	*bu/A*	*bu/A*	*%*	*%*	*in*	*%*	
DEKALB	DKC69-70(YG)	197.1	212.4	-	0	0	47	16.6	34
Dyna-Gro	5518	196.0	214.3	-	0	0	49	15.2	36
FFR	80191	189.5	-	-	0	0	42	15.6	34
Pioneer	32R25	186.7	-	-	0	0	52	15.2	33
Asgrow	RX897RR	185.4	-	-	0	0	44	15.1	34
Dyna-Gro	5518RR	185.4	207.4	-	0	0	48	15.1	35
Pioneer	32D99	183.4	-	-	0	0	45	16.6	34
Croplan Genetics	702	181.1	-	-	0	0	42	16.4	32
Pioneer	31R88	181.0	206.3	167.8	0	0	44	13.5	31
NK Brand	N83-Z8(Bt)	179.9	196.9	-	0	0	48	17.4	32
DEKALB	DK697	177.6	197.1	158.1	0	0	43	15.5	32
DEKALB	DKC68-70(YG)	176.3	204.2	-	0	0	43	16.1	33
Dyna-Gro	DG58K22(RR)	174.3	-	-	0	0	45	15.2	34
Pioneer	31G98	172.4	201.7	164.4	0	0	42	15.5	31
Pioneer	31B13(YG)	171.3	189.0	151.2	0	0	47	15.9	31
Croplan Genetics	DS822RR	169.1	-	-	0	0	40	18.5	32
NK Brand	N83-N5	168.0	-	-	0	0	48	16.0	32
Croplan Genetics	818Bt	167.7	-	-	0	0	41	16.0	32
Unity Seeds	6615	163.5	-	-	0	0	42	13.2	27
NC+	NC+6962R	162.7	-	-	0	0	45	14.8	32
Garst	8288	160.4	187.7	-	0	0	44	15.9	28
DEKALB	DK687RR	157.2	-	-	0	0	44	15.8	33
Garst	8230IT	156.6	-	-	0	0	41	15.6	32
Garst	8285RR	155.0	-	-	0	0	46	15.2	32
Monsanto	EXP267	149.5	-	-	0	0	43	17.1	33
Garst	8118RR	149.4	-	-	0	1	48	17.1	30
Garst	8222IT	149.1	192.0	160.8	0	0	40	15.6	30
AgriGold	XA2100Bt	145.4	-	-	0	0	40	14.7	34
Croplan Genetics	827	141.1	168.4	-	0	1	48	16.5	34
Overall mean		170.1	198.1	159.9					
LSD (.10)		20.6	16.0	12.4					
Error degrees of freedom		112	87	47					
CV (%)		11.6	10.8	12.6					
R^2 (%)		50	73	93					

[1]Planted April 22; harvested September 9.

Chris Ausborn Farm, Aberdeen

Crop Summary

Corn was planted in April with adequate soil moisture and an excellent stand was achieved. Corn grew well through cooler periods of May, and then a dry spell through most of June moderately stressed the corn. Timely rains the end of June and steady rain throughout July and August provided good moisture and above-average yields. One application of Intrepid was applied for control of southwestern corn borers.

Soil type ..... **Houston clay**
Soil pH **6.8**
Soil fertility ..... **P=M; K=H**
Fertilizer added ..... **Preplant – P_2O_5 @ 50 lb/A + K_2O @ 50 lb/A**
Sidedress – N @ 200 lb/A
Herbicide application .... **Preemergence – None**
Postemergence – Atrazine @ 2 qt/A
+ Accent @ .5 oz/A
Insecticide application ... **Intrepid @ 4 oz/A (8-19-02)**
Previous crop ..... **Soybeans**
Planting date ..... **April 19**
Harvest date ..... **September 13**

Table 7. Results from 33 early-maturing corn hybrids grown without irrigation on a Houston clay soil in Aberdeen, Monroe County, 2002.[1]

Brand name	Hybrid number	2002 yield	2-year average	3-year average[2]	Root lodging	Stalk lodging	Ear height	Moisture content	Harvested stand (x1000)
		bu/A	*bu/A*	*bu/A*	*%*	*%*	*in*	*%*	
Terral	TV2140Xn2(RR)	163.3	-	-	0	1	42	12.4	30
Terral	TV26BR10n(RR)	162.6	-	-	0	0	34	12.3	32
FFR	736Bt	162.5	-	-	0	0	35	12.0	34
NK Brand	N65-M7	159.1	-	-	0	1	30	12.3	33
Pioneer	34B24(YG)	157.4	126.2	-	0	0	33	12.7	34
DEKALB	DKC64-10(RR)	156.4	-	-	0	1	36	11.9	32
Croplan Genetics	733BT	156.1	145.8	-	0	0	34	12.3	31
Croplan Genetics	747	155.7	-	-	0	0	36	12.9	30
Croplan Genetics	691Bt	155.7	-	-	0	0	33	12.5	32
Terral	TV2130	155.4	153.0	-	0	0	44	12.2	32
DEKALB	DKC64-11(RR/YG)	152.2	-	-	0	0	36	12.0	31
Terral	TV2140RR	151.9	145.2	-	0	0	41	12.3	30
Pioneer	33J57(YG)	151.9	-	-	0	0	30	12.4	30
Dyna-Gro	DG57P35(YG/RR)	151.9	-	-	0	0	32	12.1	34
Dyna-Gro	5516RR	151.2	160.8	-	0	0	40	12.5	36
Pioneer	32W86	150.9	-	-	0	3	35	12.7	32
Dyna-Gro	DG57K66(RR)	150.6	-	-	0	1	40	12.5	34
Terral	TV2160Bt	150.5	-	-	0	0	43	13.1	31
Terral	TV2140	149.3	150.4	-	0	1	40	12.3	33
Dyna-Gro	DG57K39(RR)	148.8	-	-	0	1	34	12.4	34
AgriGold	A6607	148.5	-	-	0	3	32	13.3	34
Terral	TV2140Xn1RR	147.8	-	-	0	1	42	12.4	29
Garst	8366Bt	146.8	-	-	0	0	33	12.2	31
AgriGold	A6490RR	146.4	-	-	0	1	34	12.3	34
Terral	TV23R15n(RR)	143.2	-	-	0	1	39	12.4	31
Unity Seeds	7114	142.3	-	-	0	2	33	12.4	31
FFR	740	141.1	-	-	0	2	32	13.2	32
Terral	TV2155Bt	140.7	148.6	-	0	0	43	13.0	30
Croplan Genetics	721	137.5	-	-	0	2	29	12.6	29
Pioneer	34B23	132.3	120.4	-	0	2	32	12.6	34
Southern States	SS740	131.5	-	-	0	2	32	13.4	32
Terral	TVX24R002(RR)	131.3	-	-	0	1	42	13.5	30
Croplan Genetics	DS738	128.0	-	-	0	2	31	13.3	30
Overall mean		148.8	143.8	-					
LSD (.10)		16.4	12.5	-					
Error degrees of freedom		128	56	-					
CV (%)		10.5	11.7	-					
R^2 (%)		36	67	-					

[1]Planted April 22; harvested September 13.
[2]No 3-year average.

Rainfall Summary

	Inches
April	2.45
May	3.55
June	3.80
July	5.65
August	2.65
Total	18.10

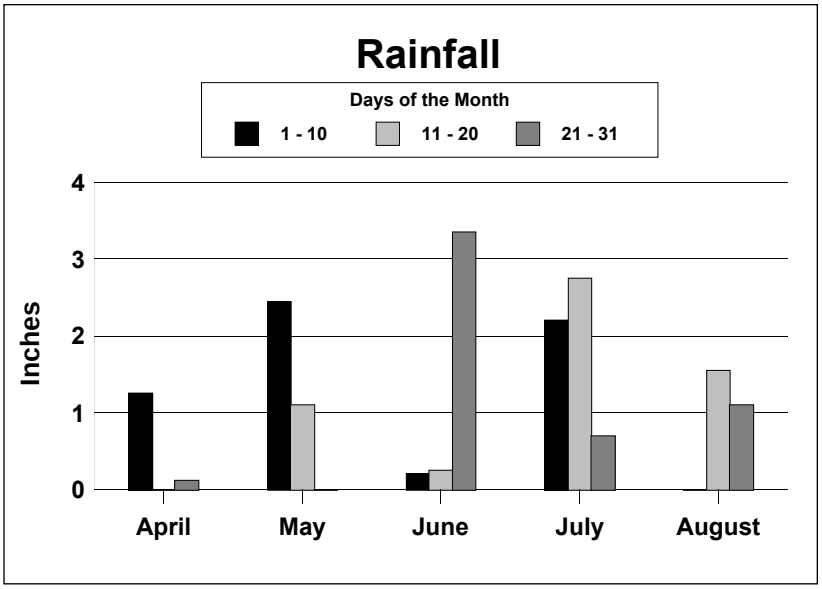


Table 8. Results from 29 late-maturing corn hybrids grown without irrigation on a Houston clay soil in Aberdeen, Monroe County, 2002.[1]

Brand name	Hybrid number	2002 yield	2-year average	3-year average[2]	Root lodging	Stalk lodging	Ear height	Moisture content	Harvested stand (x1000)
		bu/A	*bu/A*	*bu/A*	*%*	*%*	*in*	*%*	
Pioneer	31B13(YG)	188.7	172.8	-	0	0	40	13.2	31
Asgrow	RX897RR	177.2	-	-	0	1	43	12.7	32
NK Brand	N83-Z8(Bt)	175.7	156.1	-	0	0	42	13.9	31
Garst	8230IT	175.1	-	-	0	1	42	13.4	31
DEKALB	DKC69-70(YG)	172.9	156.1	-	0	0	41	14.5	32
AgriGold	XA2100Bt	171.4	-	-	0	0	38	13.3	32
Pioneer	32D99	170.7	-	-	0	1	37	15.4	32
Dyna-Gro	5518	166.9	158.6	-	0	2	41	12.6	34
DEKALB	DK697	164.3	159.3	-	0	2	38	13.2	30
DEKALB	DKC68-70(YG)	162.8	150.7	-	0	0	40	13.9	30
Croplan Genetics	818Bt	161.9	-	-	0	0	37	14.3	31
Dyna-Gro	5518RR	160.8	152.2	-	0	2	41	12.4	34
Pioneer	31G98	159.5	161.1	-	0	3	42	12.3	32
Dyna-Gro	DG58K22(RR)	159.4	-	-	0	2	41	12.6	32
FFR	80191	157.3	-	-	0	3	34	13.3	32
Croplan Genetics	DS822RR	156.4	-	-	0	2	38	13.8	30
Garst	8288	155.3	160.1	-	0	2	39	13.8	30
Pioneer	31R88	152.8	156.0	-	0	2	40	13.7	29
Pioneer	32R25	152.5	-	-	0	3	45	13.0	31
NC+	NC+6962R	151.5	-	-	0	1	40	12.5	33
Garst	8285RR	150.9	-	-	0	0	42	12.7	30
DEKALB	DK687RR	147.6	-	-	0	1	38	13.6	30
Unity Seeds	6615	142.6	-	-	0	0	35	13.0	28
Monsanto	EXP267	140.7	-	-	0	2	39	15.0	32
NK Brand	N83-N5	139.2	-	-	0	4	43	13.5	30
Croplan Genetics	827	139.2	138.9	-	0	4	42	13.9	34
Croplan Genetics	702	134.5	-	-	0	2	34	14.1	29
Garst	8118RR	132.0	-	-	0	5	40	14.1	31
Garst	8222IT	117.1	136.6	-	0	1	35	13.5	29
Overall mean		156.4	154.9	-					
LSD (.10)		22.7	14.1	-					
Error degrees of freedom		112	88	-					
CV (%)		13.9	12.2	-					
R^2 (%)		42	48	-					

[1]Planted April 22; harvested September 13.
[2]No 3-year average.

MAFES Brown Loam Branch, Raymond

Crop Summary

The corn variety trial emerged to a good stand. Rainfall was above average after corn emergence. Overall, growing conditions were above average, producing above-average yields.

Soil type . . . . . Calloway silt loam
Soil pH 6.5
Soil fertility . . . . . P=H; K=M
Fertilizer added . . . . . Preplant – N @ 100 lb/A
Sidedress – N @ 150 lb/A
Herbicide application . . . . Preemergence – Dual Magnum @ 1 qt/A
+ Atrazine @ 1 qt/A
Previous crop . . . . . Cotton
Planting date . . . . . April 17
Harvest date . . . . . September 10

Table 9. Results from 16 early-maturing corn hybrids grown without irrigation on a Calloway silt loam soil at the MAFES Brown Loam Branch, Raymond, 2002.[1]

Brand name	Hybrid number	2002 yield	2-year average	3-year average[2]	Root lodging	Stalk lodging	Ear height	Moisture content	Harvested stand (x1000)
		bu/A	*bu/A*	*bu/A*	*%*	*%*	*in*	*%*	
Pioneer	32W86	166.7	-	-	0	0	33	15.5	28
Terral	TV2140RR	161.2	153.8	-	0	0	41	15.4	27
Terral	TV2130	157.7	155.1	-	0	0	42	15.0	26
DEKALB	DKC64-11(RR/YG)	156.3	-	-	0	1	39	14.8	29
Terral	TV2140Xn2(RR)	149.9	-	-	0	0	41	15.1	28
Terral	TV2140	149.1	151.8	-	0	0	41	15.5	28
Terral	TV2140Xn1RR	147.6	-	-	0	0	43	15.3	28
Croplan Genetics	DS738	144.2	-	-	0	0	36	15.4	29
DEKALB	DKC64-10(RR)	143.3	-	-	0	0	37	14.6	29
Terral	TV26BR10n(RR)	140.5	-	-	0	0	32	15.0	30
Terral	TVX24R002(RR)	140.4	-	-	0	0	37	16.1	29
Terral	TV2155Bt	138.7	138.8	-	0	0	36	15.6	27
Terral	TV2160Bt	132.4	-	-	0	0	42	15.7	29
Terral	TV23R15n(RR)	132.1	-	-	0	0	40	15.2	27
NK Brand	N65-M7	131.8	-	-	0	0	28	15.0	30
Pioneer	34B23	108.3	-	-	0	0	26	15.4	31
Overall mean		143.8	149.9	-					
LSD (.10)		24.5	12.7	-					
Error degrees of freedom		60	24	-					
CV (%)		16.1	11.0	-					
R^2 (%)		39	54	-					

[1]Planted April 18; harvested September 10.
[2]No 3-year average.

Rainfall Summary

	Inches
April	3.57
May	4.35
June	6.49
July	2.89
August	8.72
Total	26.02

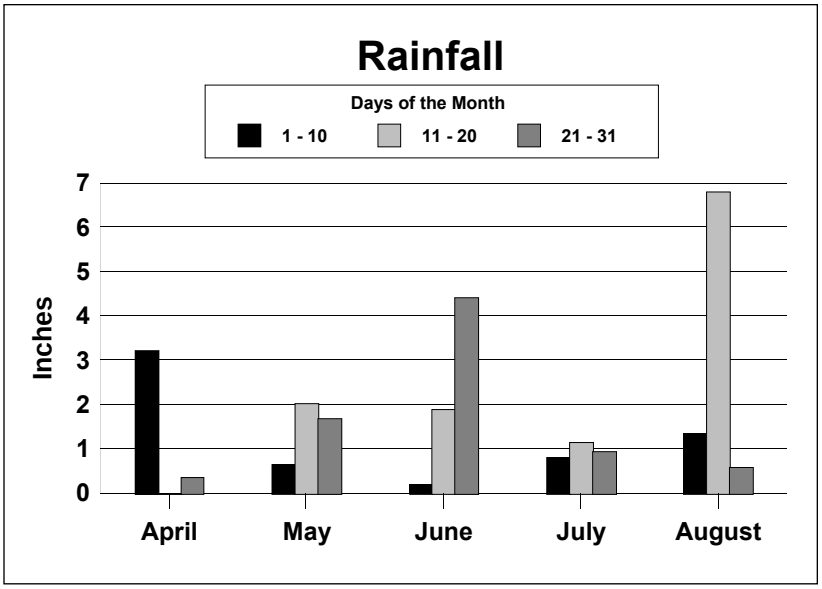


Table 10. Results from 19 late-maturing corn hybrids grown without irrigation on a Calloway silt loam soil at the MAFES Brown Loam Branch, Raymond, 2002.[1]

Brand name	Hybrid number	2002 yield	2-year average	3-year average[2]	Root lodging	Stalk lodging	Ear height	Moisture content	Harvested stand (x1000)
		bu/A	*bu/A*	*bu/A*	*%*	*%*	*in*	*%*	
Pioneer	32R25	167.0	-	-	0	1	45	15.7	30
Dyna-Gro	5518RR	155.8	-	-	0	1	42	15.4	32
Dyna-Gro	5518	152.4	148.4	-	0	0	43	15.5	32
DEKALB	DKC69-70(YG)	151.4	137.6	-	0	0	39	15.8	30
Dyna-Gro	5515	148.2	-	-	0	0	37	15.3	32
Dyna-Gro	DG58K56(RR)	144.2	-	-	0	0	40	16.2	32
Pioneer	31G98	144.1	-	-	0	0	41	14.8	28
NK Brand	N83-Z8(Bt)	140.7	133.8	-	0	0	40	15.8	29
Dyna-Gro	DGX15609(RR)	140.2	-	-	0	0	43	14.8	29
DEKALB	DK697	135.6	135.4	-	0	1	38	15.4	30
DEKALB	DKC68-70(YG)	131.7	134.7	-	0	0	39	15.6	31
DEKALB	DK687RR	129.7	-	-	0	0	39	15.9	28
Croplan Genetics	DS822RR	129.5	-	-	0	1	39	14.9	29
Pioneer	31R88	126.6	126.5	-	0	0	36	15.7	28
NK Brand	N83-N5	124.8	-	-	0	0	40	15.5	30
Asgrow	RX897RR	124.5	-	-	0	0	39	15.3	30
Dyna-Gro	DG58K22(RR)	119.8	-	-	0	1	40	15.1	33
Monsanto	EXP267	106.7	-	-	0	0	39	15.0	28
Croplan Genetics	818Bt	104.3	-	-	0	0	37	15.5	28
Overall mean		135.6	136.4	-					
LSD (.10)		25.1	17.4	-					
Error degrees of freedom		72	38	-					
CV (%)		17.6	16.6	-					
R^2 (%)		42	37	-					

[1]Planted April 18; harvested September 10.
[2]No 3-year average.

GALE GABLE FARM, CLARKSDALE

Crop Summary

Planting was delayed because of spring rains. Corn was planted on stale seedbeds that had been rowed up the previous fall. Dry weather conditions followed planting, and irrigation was initiated on June 12. Following three more irrigations, rainfall was sufficient until maturity.

Soil type	**Sharkey clay**
Soil pH	**6.5**
Soil fertility	**P=M+; K=M+**
Fertilizer added	**Preplant – N @ 18 lb/A + P_2O_5 @ 111 lb/A + K_2O @ 108 lb/A**
	Sidedress – N @ 300 lb/A
Herbicide application	**Preemergence – Atrazine @ 2 qt/A + Axiom @ 14 oz/A**
Irrigation (furrow)	**June 12, June 22, July 4, and July 17**
Previous crop	**Soybeans**
Planting date	**April 16**
Harvest date	**September 12**

Rainfall Summary

	Inches
April	**1.93**
May	**8.86**
June	**0.91**
July	**6.38**
August	**5.13**
Total	**23.21**

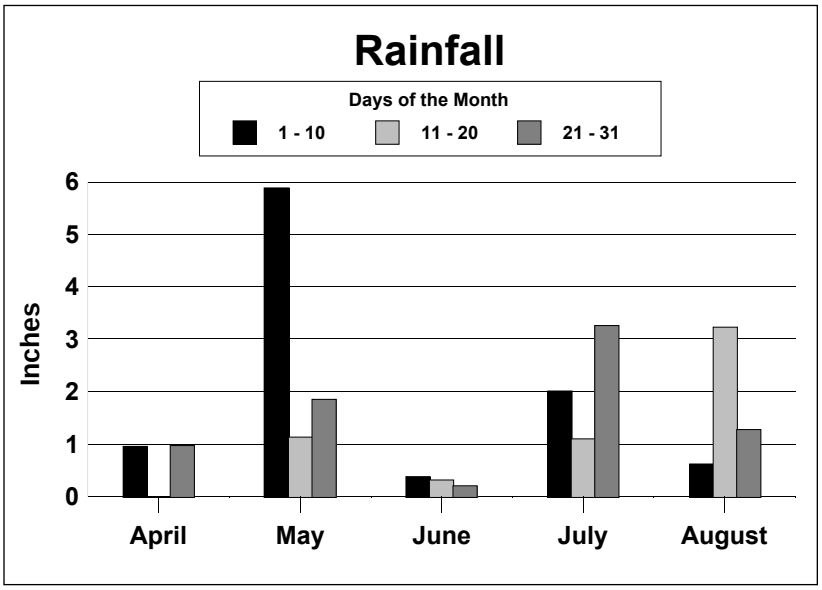


Table 11. Results from 40 early-maturing corn hybrids grown with irrigation on a Sharkey clay soil in Clarksdale, Coahoma County, 2002.[1]

Brand name	Hybrid number	2002 yield	2-year average	3-year average[2]	Root lodging	Stalk lodging	Ear height	Moisture content	Harvested stand (x1000)
		bu/A	*bu/A*	*bu/A*	*%*	*%*	*in*	*%*	
FFR	736Bt	186.1	-	-	0	0	36	13.6	35
Genesis	3214YG	184.9	218.1	-	0	1	36	13.7	38
Terral	TV2155Bt	184.3	199.7	-	0	0	40	14.6	34
DEKALB	DKC64-11(RR/YG)	184.3	-	-	0	0	35	13.3	34
Terral	TV2160Bt	179.7	-	-	0	0	41	14.5	34
Dyna-Gro	DG57P35(YG/RR)	178.6	-	-	0	0	35	13.9	36
Triumph	1866Bt	176.7	-	-	0	0	42	14.3	34
Pioneer	33J57(YG)	176.6	-	-	0	0	35	13.7	34
Garst	8366Bt	176.0	-	-	0	0	36	13.6	37
Genesis	2C15RR	175.3	-	-	0	2	39	15.1	34
Pioneer	34B24(YG)	173.6	197.1	-	0	1	32	13.9	37
Terral	TV23R15n(RR)	171.5	-	-	0	2	37	13.6	35
Terral	TV26BR10n(RR)	169.2	-	-	0	0	35	13.9	34
Terral	TV2130	165.9	195.0	-	0	5	41	13.6	35
Golden Acres	GA 8112	165.4	-	-	0	5	39	14.0	34
AgriGold	A6490Bt	165.1	-	-	0	1	34	14.0	34
Dyna-Gro	DG57K66(RR)	165.1	-	-	0	4	38	13.7	37
Terral	TVX24R002(RR)	164.5	-	-	0	2	39	14.9	34
Terral	TV2140RR	161.7	197.2	-	0	2	37	13.8	32
Terral	TV2140Xn2(RR)	161.0	-	-	0	2	36	13.7	32
DEKALB	DKC64-10(RR)	160.4	-	-	0	4	32	13.0	34
Terral	TV2140	160.4	185.8	-	0	2	37	13.7	34
Croplan Genetics	691Bt	157.1	-	-	0	0	28	13.6	35
Pioneer	32W86	156.9	-	-	0	5	35	14.1	32
Dyna-Gro	5516RR	156.3	188.0	-	0	2	39	13.9	34
Terral	TV2140Xn1RR	155.5	-	-	0	3	40	13.7	31
Genesis	2C14RR	155.0	-	-	0	4	36	14.4	32
Croplan Genetics	733BT	153.0	184.4	-	0	1	30	13.4	34
Dyna-Gro	DG57K39(RR)	152.3	-	-	0	4	32	14.0	34
Croplan Genetics	747	151.5	-	-	0	4	33	13.7	34
Genesis	2A14RR	147.1	-	-	0	5	42	13.8	34
Pioneer	34B23	145.9	184.0	-	0	4	31	13.8	32
AgriGold	A6445	141.6	174.2	-	0	5	27	13.2	31
Croplan Genetics	DS738	139.3	-	-	0	5	32	14.3	30
AgriGold	XA3033	137.5	-	-	0	4	34	13.5	26
FFR	740	136.0	-	-	0	4	32	13.9	32
Genesis	3215RR	135.0	-	-	0	6	30	13.5	31
NK Brand	N65-M7	132.7	-	-	0	6	28	13.2	32
Southern States	SS740	131.6	-	-	0	3	30	13.8	30
Croplan Genetics	721	123.7	-	-	0	6	31	13.9	30
Overall mean		159.9	192.4	-					
LSD (.10)		16.8	15.7	-					
Error degrees of freedom		156	72	-					
CV (%)		10.1	10.9	-					
R^2 (%)		66	78	-					

[1]Planted April 16; harvested September 12.
[2]No 3-year average.

Table 12. Results from 35 late-maturing corn hybrids grown with irrigation on a Sharkey clay soil in Clarksdale, Coahoma County, 2002.[1]

Brand name	Hybrid number	2002 yield	2-year average	3-year average[2]	Root lodging	Stalk lodging	Ear height	Moisture content	Harvested stand (x1000)
		bu/A	*bu/A*	*bu/A*	*%*	*%*	*in*	*%*	
NK Brand	N83-Z8(Bt)	206.5	220.2	-	0	1	43	15.5	36
Genesis	2A16YG	203.3	196.7	-	0	1	44	14.7	35
DEKALB	DKC68-70(YG)	201.5	218.9	-	0	1	41	14.8	36
DEKALB	DKC69-70(YG)	199.2	206.2	-	0	5	40	16.8	37
Pioneer	31B13(YG)	192.5	223.7	-	0	0	40	14.6	34
Croplan Genetics	DS822RR	184.2	-	-	0	5	40	15.6	34
Dyna-Gro	DG5516	178.6	189.3	-	0	2	42	14.0	34
Croplan Genetics	818Bt	177.0	-	-	0	0	32	15.3	34
Genesis	2B16TR(YG/RR)	176.9	196.5	-	0	0	34	14.0	35
Pioneer	32R25	175.1	-	-	0	7	41	14.4	32
Asgrow	RX897RR	174.3	-	-	0	4	41	13.9	35
Dyna-Gro	DG58K56(RR)	174.2	-	-	0	3	39	15.3	32
Croplan Genetics	827	173.7	189.6	-	0	9	42	14.9	32
DEKALB	DK697	173.2	203.3	-	0	5	41	15.0	32
Dyna-Gro	5515	171.2	195.9	-	0	5	38	13.9	33
DEKALB	DK687RR	170.7	-	-	0	6	40	14.2	34
Pioneer	31R88	169.5	185.9	-	0	5	38	14.5	28
Garst	8285RR	169.4	-	-	0	4	41	14.1	34
NK Brand	N83-N5	168.1	-	-	0	4	40	14.9	34
Pioneer	32D99	166.1	-	-	0	4	38	16.0	31
Golden Acres	GA 2888IMI	164.5	-	-	0	4	40	14.8	34
Golden Acres	GA 8460	163.9	-	-	0	7	42	14.9	32
Croplan Genetics	702	163.6	-	-	0	3	37	15.2	34
Dyna-Gro	5518	161.7	196.2	-	0	2	38	14.3	34
FFR	80191	159.7	-	-	0	4	34	14.7	31
Genesis	2A16RR	159.6	-	-	0	4	39	14.4	34
AgriGold	XA2100Bt	158.1	-	-	0	1	32	14.9	34
Dyna-Gro	DG58K22(RR)	157.1	-	-	0	4	38	13.8	34
Garst	8288	155.0	190.2	-	0	4	34	14.6	32
Pioneer	31G98	154.3	189.1	-	0	3	39	14.0	36
SS	859CL	153.6	186.4	-	0	3	34	13.8	25
Dyna-Gro	5518RR	151.4	191.8	-	0	4	39	14.0	36
Dyna-Gro	DGX15609(RR)	149.8	-	-	0	4	42	13.6	30
Garst	8222IT	148.6	182.1	-	0	6	34	14.6	32
Monsanto	EXP267	139.2	-	-	0	6	38	14.6	33
Overall mean		169.9	197.8	-					
LSD (.10)		19.7	17.2	-					
Error degrees of freedom		136	128	-					
CV (%)		11.1	11.7	-					
R^2 (%)		56	70	-					

[1]Planted April 16; harvested September 12.
[2]No 3-year average.

ROB COKER FARM, YAZOO CITY

Crop Summary

Corn was planted into stale seedbeds that had been rowed up the previous fall. The field received rain after planting, which provided good growing conditions and activated preemergent herbicide. Irrigation was applied in June and the first half of July. Timely rains provided adequate moisture to finish the crop. Good yields were harvested under favorable weather conditions.

Soil type	**Forestdale silty clay loam**
Soil pH	**6.0**
Soil fertility	**P=M; K=H**
Fertilizer added	**Preplant – N @ 120 lb/A + P_2O_5 @ 64 lb/A**
	Sidedress – N @ 130 lb/A
Herbicide application	**Bicep II @ 2 qt/A**
Irrigation (furrow)	**June 5, June 19, July 2, and July 11**
Previous crop	**Cotton**
Planting date	**March 29**
Harvest date	**August 30**

Rainfall Summary

	Inches
April	**2.42**
May	**5.17**
June	**2.65**
July	**5.79**
August	**2.40**
Total	**18.43**

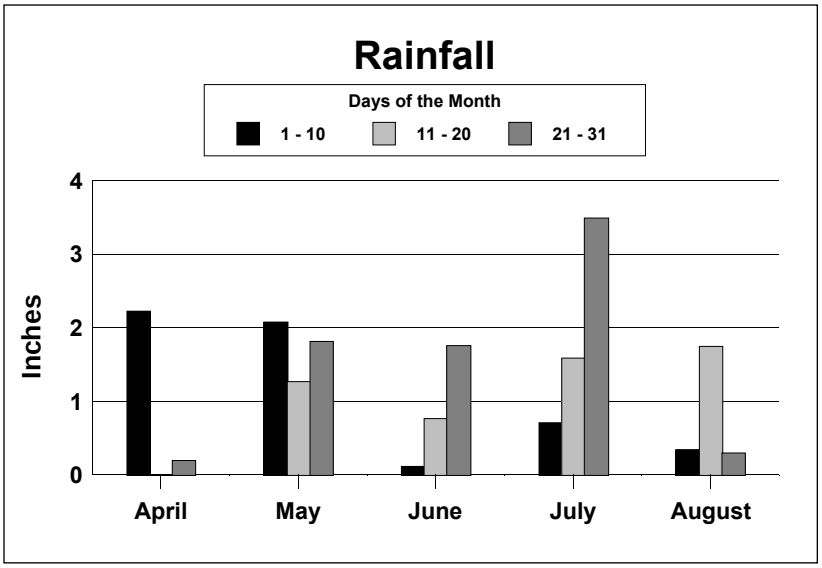


Table 13. Results from 40 early-maturing corn hybrids grown with irrigation on a Forestdale silty clay loam soil in Yazoo City, Yazoo County, 2002.[1]

Brand name	Hybrid number	2002 yield	2-year average	3-year average[2]	Root lodging	Stalk lodging	Ear height	Moisture content	Harvested stand (x1000)
		bu/A	*bu/A*	*bu/A*	*%*	*%*	*in*	*%*	
Terral	TV2140Xn1RR	234.6	-	-	-	2	55	15.1	32
Genesis	3214YG	227.0	193.2	-	-	0	48	15.1	34
Golden Acres	GA 8112	226.4	-	-	-	4	52	15.3	34
FFR	740	225.9	-	-	-	2	41	15.0	32
Genesis	2C15RR	225.1	-	-	-	0	52	15.5	34
Southern States	SS740	224.3	-	-	-	0	40	14.9	30
Terral	TV2140	224.2	194.3	-	-	1	54	15.1	31
Pioneer	34B24(YG)	223.3	189.7	-	-	0	40	15.3	34
FFR	736Bt	222.6	-	-	-	1	42	15.0	34
Pioneer	32W86	218.4	-	-	-	2	47	15.2	30
Terral	TV2160Bt	218.4	-	-	-	2	49	15.3	32
DEKALB	DKC64-11(RR/YG)	217.2	-	-	-	0	44	14.5	35
Garst	8366Bt	212.4	-	-	-	1	46	14.9	32
Croplan Genetics	747	212.2	-	-	-	1	44	15.2	36
Pioneer	34B23	210.6	181.4	-	-	2	37	15.2	32
AgriGold	XA3033	210.2	-	-	-	1	44	15.3	30
Terral	TV2155Bt	208.9	184.6	-	-	1	52	15.0	32
AgriGold	A6490Bt	207.3	-	-	-	0	40	15.1	34
Terral	TV2130	206.7	174.4	-	-	2	51	14.5	31
DEKALB	DKC64-10(RR)	206.4	-	-	-	2	42	14.6	34
Terral	TV2140Xn2(RR)	206.4	-	-	-	3	54	14.9	29
Dyna-Gro	DG57P35(YG/RR)	205.5	-	-	-	0	43	15.3	33
Terral	TV26BR10n(RR)	205.4	-	-	-	0	47	15.8	32
Croplan Genetics	721	203.1	-	-	-	2	40	15.1	32
AgriGold	A6445	199.1	169.6	-	-	5	39	14.5	32
Terral	TV2140RR	198.2	181.6	-	-	2	54	14.8	30
Pioneer	33J57(YG)	197.5	-	-	-	0	44	14.4	30
Terral	TVX24R002(RR)	196.2	-	-	-	1	51	15.2	32
Dyna-Gro	DG57K39(RR)	195.8	-	-	-	1	41	15.0	34
Dyna-Gro	DG57K66(RR)	195.5	-	-	-	1	49	14.8	34
Croplan Genetics	691Bt	194.5	-	-	-	1	41	15.2	34
Dyna-Gro	5516RR	194.3	175.3	-	-	2	49	14.6	34
Triumph	1866Bt	192.8	-	-	-	1	52	15.4	30
Genesis	2A14RR	192.8	-	-	-	3	54	15.0	30
Croplan Genetics	733BT	191.2	179.8	-	-	0	38	15.0	34
Genesis	2C14RR	190.7	-	-	-	2	43	15.2	33
Croplan Genetics	DS738	189.0	-	-	-	2	39	15.3	32
NK Brand	N65-M7	188.3	-	-	-	3	36	14.9	31
Genesis	3215RR	187.5	-	-	-	3	39	14.7	33
Terral	TV23R15n(RR)	183.7	-	-	-	0	46	14.8	27
Overall mean		206.7	182.4	-					
LSD (.10)		26.2	20.1	-					
Error degrees of freedom		156	72	-					
CV (%)		12.1	14.8	-					
R^2 (%)		34	62	-					

[1]Planted March 29; harvested August 30.
[2]No 3-year average.

Table 14. Results from 35 late-maturing corn hybrids grown with irrigation on a Forestdale silty clay loam soil in Yazoo City, Yazoo County, 2002.[1]

Brand name	Hybrid number	2002 yield	2-year average	3-year average[2]	Root lodging	Stalk lodging	Ear height	Moisture content	Harvested stand (x1000)
		bu/A	*bu/A*	*bu/A*	*%*	*%*	*in*	*%*	
Garst	8288	234.9	193.6	-	-	1	43	16.0	32
Pioneer	32D99	232.3	-	-	-	1	49	15.8	31
Genesis	2A16YG	232.2	167.0	-	-	1	53	15.0	34
DEKALB	DKC69-70(YG)	230.8	222.7	-	-	0	50	16.6	36
Pioneer	31G98	228.1	195.1	-	-	1	49	14.9	30
Asgrow	RX897RR	224.8	-	-	-	0	50	14.9	34
Dyna-Gro	5515	222.4	208.9	-	-	3	48	15.2	34
Monsanto	EXP267	221.5	-	-	-	1	49	15.6	34
NK Brand	N83-Z8(Bt)	221.1	217.6	-	-	4	43	15.6	28
DEKALB	DKC68-70(YG)	219.0	202.7	-	-	2	50	15.7	34
Dyna-Gro	DG58K56(RR)	218.7	-	-	-	1	48	15.5	34
Garst	8222IT	218.7	186.1	-	-	1	41	15.8	32
FFR	80191	217.8	-	-	-	2	44	15.6	32
Croplan Genetics	DS822RR	214.6	-	-	-	0	45	15.6	34
DEKALB	DK697	213.7	202.0	-	-	2	50	15.7	34
Pioneer	32R25	213.1	-	-	-	2	56	15.4	32
NK Brand	N83-N5	207.7	-	-	-	4	48	15.4	35
Pioneer	31R88	207.4	196.4	-	-	3	44	15.1	30
AgriGold	XA2100Bt	205.2	-	-	-	0	41	16.1	32
Garst	8285RR	204.3	-	-	-	1	48	14.9	35
DEKALB	DK687RR	202.8	-	-	-	2	44	15.3	34
Dyna-Gro	5518RR	202.7	176.0	-	-	6	52	14.6	32
Croplan Genetics	818Bt	201.4	-	-	-	0	45	16.4	34
Pioneer	31B13(YG)	200.7	190.3	-	-	0	49	15.3	31
Golden Acres	GA 2888IMI	196.9	-	-	-	2	48	14.8	32
Dyna-Gro	DG58K22(RR)	195.7	-	-	-	6	53	15.0	33
Genesis	2B16TR(YG/RR)	194.3	178.4	-	-	0	43	15.4	34
Croplan Genetics	827	192.7	166.8	-	-	2	50	15.8	34
Genesis	2A16RR	188.8	-	-	-	6	51	15.3	34
Dyna-Gro	DG5516	186.6	185.5	-	-	1	45	14.8	30
Croplan Genetics	702	186.1	-	-	-	3	43	15.9	34
Dyna-Gro	DGX15609(RR)	185.0	-	-	-	8	53	14.8	32
Golden Acres	GA 8460	183.1	-	-	-	3	48	15.9	34
Dyna-Gro	5518	180.0	168.2	-	-	10	51	14.8	35
SS	859CL	163.6	162.7	-	-	2	44	14.7	22
Overall mean		207.1	189.4	-					
LSD (.10)		28.8	24.1	-					
Error degrees of freedom		136	128	-					
CV (%)		13.3	17.2	-					
R^2 (%)		36	50	-					

[1]Planted March 29; harvested August 30.
[2]No 3-year average.

MAFES Delta Branch, Stoneville

Crop Summary

March was excessively wet, receiving 8.5 inches of rain, 3 inches above normal. April was unusually wet with rainfall 2 inches above normal. Adequate rainfall was received from May through August. This along with mild temperatures made for a good growing season.

Soil type	**Bosket, very fine sandy loam**
Soil pH	**6.8**
Soil fertility	**P=H; K=H**
Fertilizer added	**Preplant – None** **Sidedress – N @ 100 lb/A (4-16-02)** **N @ 150 lb/A (5-09-02)**
Herbicide application	**Dual II @ 1.2 pt/A + Permit @ 1 oz/A (5-02-02)**
Irrigation (furrow)	**June 3 and June 18**
Previous crop	**Soybeans**
Planting date	**April 5**
Harvest date	**September 5**

Rainfall Summary

	Inches
April	**3.26**
May	**2.82**
June	**4.15**
July	**3.29**
August	**2.77**
Total	**16.29**

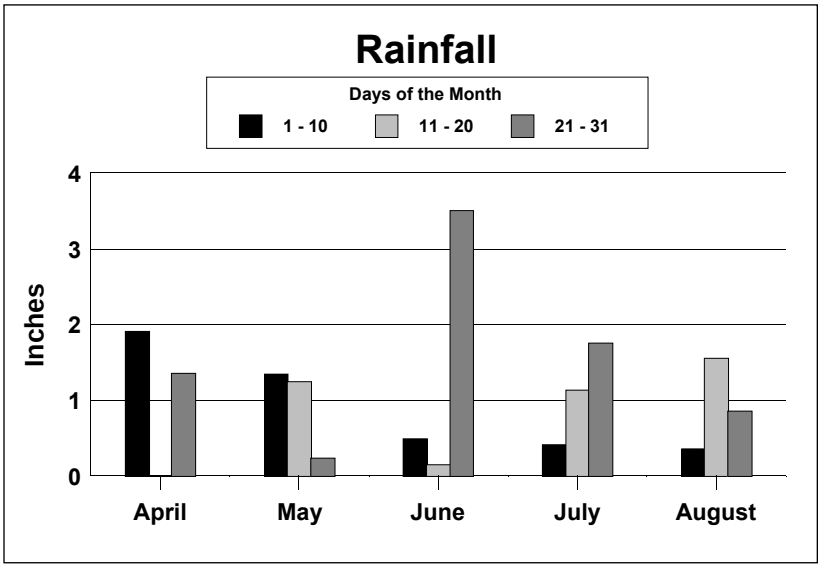


Table 15. Results from 40 early-maturing corn hybrids grown with irrigation on a Sharkey clay soil at the MAFES Delta Branch, Newton, 2002.[1]

Brand name	Hybrid number	2002 yield	2-year average[2]	3-year average[2]	Root lodging	Stalk lodging	Ear height	Moisture content	Harvested stand (x1000)
		bu/A	*bu/A*	*bu/A*	*%*	*%*	*in*	*%*	
Genesis	3214YG	266.5	-	-	-	1	46	15.3	34
FFR	736Bt	264.3	-	-	-	0	45	15.3	33
Pioneer	34B24(YG)	244.1	-	-	-	1	41	15.8	33
Garst	8366Bt	235.8	-	-	-	0	46	14.9	32
Triumph	1866Bt	233.6	-	-	-	0	50	16.0	34
Terral	TV2160Bt	232.8	-	-	-	0	48	15.9	30
Terral	TV26BR10n(RR)	231.4	-	-	-	2	42	15.5	31
Croplan Genetics	691Bt	231.3	-	-	-	0	42	15.5	32
Terral	TV2155Bt	231.0	-	-	-	1	40	15.9	30
DEKALB	DKC64-11(RR/YG)	230.0	-	-	-	0	42	14.7	34
Dyna-Gro	DG57P35(YG/RR)	227.4	-	-	-	0	44	15.5	30
AgriGold	A6445	227.0	-	-	-	4	38	15.1	34
Pioneer	33J57(YG)	226.2	-	-	-	1	46	14.7	30
Terral	TV2130	224.8	-	-	-	5	48	15.3	30
Terral	TV2140	221.6	-	-	-	3	48	15.2	32
Pioneer	32W86	221.3	-	-	-	7	44	15.3	31
Terral	TV2140Xn2(RR)	220.0	-	-	-	3	46	14.8	31
Terral	TV2140RR	218.3	-	-	-	1	47	15.1	31
Terral	TV2140Xn1RR	213.3	-	-	-	2	45	15.2	33
Terral	TVX24R002(RR)	213.3	-	-	-	2	47	16.0	30
Dyna-Gro	DG57K39(RR)	212.5	-	-	-	4	41	15.3	32
Croplan Genetics	747	211.8	-	-	-	2	42	15.1	34
Golden Acres	GA 8112	210.9	-	-	-	3	49	15.9	34
Genesis	2A14RR	209.8	-	-	-	6	47	16.2	33
Dyna-Gro	DG57K66(RR)	209.3	-	-	-	3	43	15.4	34
AgriGold	A6490Bt	208.2	-	-	-	0	39	15.2	34
Croplan Genetics	DS738	207.1	-	-	-	2	41	15.3	32
AgriGold	XA3033	205.6	-	-	-	4	43	14.7	28
DEKALB	DKC64-10(RR)	204.9	-	-	-	4	41	14.6	30
NK Brand	N65-M7	204.0	-	-	-	5	38	14.9	30
Genesis	2C15RR	202.1	-	-	-	4	52	16.1	32
Croplan Genetics	733BT	201.6	-	-	-	0	39	15.0	30
Pioneer	34B23	199.4	-	-	-	1	38	15.4	29
Croplan Genetics	721	197.3	-	-	-	3	39	14.9	27
Terral	TV23R15n(RR)	196.9	-	-	-	3	47	15.6	29
Genesis	3215RR	194.3	-	-	-	5	42	16.0	29
Southern States	SS740	193.9	-	-	-	4	40	15.1	29
FFR	740	192.8	-	-	-	3	40	15.2	31
Dyna-Gro	5516RR	187.5	-	-	-	2	44	15.0	30
Genesis	2C14RR	180.5	-	-	-	3	46	15.5	28
Overall mean		216.1	-	-					
LSD (.10)		18.7	-	-					
Error degrees of freedom		156	-	-					
CV (%)		8.3	-	-					
R^2 (%)		60	-	-					

[1]Planted April 5 ; harvested September 5.
[2]No 2- or 3-year averages.

Table 16. Results from 35 late-maturing corn hybrids grown with irrigation on a Sharkey clay soil at the MAFES Delta Branch, Newton, 2002.[1]

Brand name	Hybrid number	2002 yield	2-year average[2]	3-year average[2]	Root lodging	Stalk lodging	Ear height	Moisture content	Harvested stand (x1000)
		bu/A	*bu/A*	*bu/A*	*%*	*%*	*in*	*%*	
Genesis	2A16YG	243.3	-	-	-	2	44	15.7	35
DEKALB	DKC69-70(YG)	239.4	-	-	-	1	46	16.8	34
Pioneer	31B13(YG)	236.8	-	-	-	1	49	15.9	33
NK Brand	N83-Z8(Bt)	233.1	-	-	-	2	56	16.9	33
Genesis	2B16TR(YG/RR)	231.4	-	-	-	2	43	15.9	33
Dyna-Gro	DG58K22(RR)	230.2	-	-	-	3	46	15.4	32
Croplan Genetics	818Bt	229.5	-	-	-	2	41	15.9	33
Pioneer	31R88	226.3	-	-	-	3	48	14.9	31
Pioneer	31G98	226.2	-	-	-	4	49	15.3	32
DEKALB	DKC68-70(YG)	224.5	-	-	-	0	40	15.6	34
AgriGold	XA2100Bt	221.8	-	-	-	0	41	15.6	34
Pioneer	32R25	220.2	-	-	-	2	54	15.0	32
Dyna-Gro	5515	220.2	-	-	-	4	45	15.6	34
DEKALB	DK697	219.7	-	-	-	5	45	16.8	32
Dyna-Gro	5518	217.4	-	-	-	4	49	15.4	34
Pioneer	32D99	216.9	-	-	-	4	46	16.1	31
Croplan Genetics	DS822RR	214.9	-	-	-	5	45	16.4	34
Dyna-Gro	DGX15609(RR)	214.6	-	-	-	5	50	14.5	32
Genesis	2A16RR	211.7	-	-	-	6	51	15.3	30
FFR	80191	211.2	-	-	-	4	41	15.6	32
Dyna-Gro	5518RR	209.7	-	-	-	5	49	15.5	34
Asgrow	RX897RR	209.4	-	-	-	3	44	15.2	34
Dyna-Gro	DG5516	208.0	-	-	-	2	47	15.5	32
Golden Acres	GA 2888IMI	203.4	-	-	-	4	46	16.1	33
Garst	8288	202.2	-	-	-	4	44	15.6	29
DEKALB	DK687RR	202.0	-	-	-	3	43	15.5	34
Dyna-Gro	DG58K56(RR)	196.4	-	-	-	3	47	16.2	34
NK Brand	N83-N5	193.1	-	-	-	3	48	19.1	27
Garst	8222IT	191.4	-	-	-	4	39	16.0	32
Croplan Genetics	702	187.2	-	-	-	6	42	16.1	32
SS	859CL	185.3	-	-	-	3	44	15.2	20
Garst	8285RR	182.6	-	-	-	5	48	15.3	33
Monsanto	EXP267	180.2	-	-	-	4	46	14.7	33
Croplan Genetics	827	162.6	-	-	-	13	47	15.8	32
Golden Acres	GA 8460	159.2	-	-	-	12	50	16.2	31
Overall mean		210.3	-	-					
LSD (.10)		21.4	-	-					
Error degrees of freedom		136	-	-					
CV (%)		9.7	-	-					
R^2 (%)		59	-	-					

[1]Planted April 5; harvested September 5.
[2]No 2- or 3-year averages.

Table 17. Average grain production by area for early-maturing corn hybrids grown in Mississippi, 2002.

Hybrid number	Brand name	Area I [1]			Area III [2]	
		2002 yield	2-yr. avg.	3-yr. avg.	2002 yield	2-yr. avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriGold	A6445RR	-	-	-	189.2	171.9
AgriGold	A6490Bt	-	-	-	193.5	-
AgriGold	A6490RR	174.1	-	-	-	-
AgriGold	A6607	175.5	-	-	-	-
AgriGold	XA3033	-	-	-	184.4	-
Croplan Genetics	733Bt	170.0	145.1	-	181.9	182.1
Croplan Genetics	691Bt	178.4	-	-	194.3	-
Croplan Genetics	721	165.0	-	-	174.7	-
Croplan Genetics	747	176.7	-	-	191.8	-
Croplan Genetics	DS738	167.6	-	-	178.5	-
DEKALB	DKC64-10(RR)	174.3	168.3	-	190.6	177.5
DEKALB	DKC64-11(RR/YG)	166.3	-	-	210.5	-
Dyna-Gro	DG5516RR	171.8	177.8	-	179.4	181.6
Dyna-Gro	DG57K39(RR)	166.5	-	-	186.8	-
Dyna-Gro	DG57K66(RR)	180.4	-	-	190.0	-
Dyna-Gro	DG57P35(YG/RR)	178.4	-	-	203.8	-
FFR Seed	736Bt	179.0	-	-	224.3	-
FFR Seed	740	176.9	-	-	184.9	-
Garst Seed	8366Bt	166.0	-	-	208.1	-
Genesis	3214YG	-	-	-	226.2	205.7
Genesis	3215RR	-	-	-	172.3	-
Genesis	2C14RR	-	-	-	175.4	-
Genesis	2C15RR	-	-	-	200.8	-
Genesis	2A14RR	-	-	-	183.2	-
Golden Acres	GA 8112	-	-	-	200.9	-
NK Brand	N65-M7	181.0	-	-	175.0	-
Pioneer	34B23	172.1	148.5	155.4	185.3	182.7
Pioneer	33J57(YG)	183.1	-	-	200.1	-
Pioneer	32W86	177.8	-	-	198.9	-
Pioneer	34B24(YG)	183.2	151.4	-	213.7	193.4
Southern States	SS740	160.4	-	-	183.3	-
Terral	TV2130	178.6	179.0	172.4	199.2	184.7
Terral	TV2140	178.5	175.3	164.4	202.1	190.0
Terral	TV2140RR	165.5	166.2	158.2	192.7	189.4
Terral	TV2155Bt	177.1	173.7	-	208.1	192.1
Terral	TV2160Bt	183.3	175.5	163.0	210.3	203.5
Terral	TV26BR10n(RR)	188.1	-	-	202.0	-
Terral	TVX24R002(RR)	166.5	-	-	191.3	-
Terral	TV23R15n(RR)	169.4	-	-	184.0	-
Terral	TV2140Xn1RR	180.1	-	-	201.2	-
Terral	TV2140Xn2(RR)	181.6	-	-	195.8	-
Triumph	1866Bt	-	-	-	201.1	-
Unity Seeds	7114	164.6	-	-	-	-
Overall mean		174.5	167.2	163.1	194.2	187.9
LSD (.10)		13.1	10.6	10.5	12.1	12.9
Error degrees of freedom		384	213	95	468	176
CV (%)		12.5	14.8	14.9	10.3	13.2
R^2 (%)		66	75	86	75	69

[1]2002 yield and 2-year average is Aberdeen, Brooksville, and Hernando; 3-year average is Hernando and Brooksville.
[2]2002 yield is Clarksdale, Stoneville, and Yazoo City; 2-year average is Clarksdale and Yazoo.

Table 18. Average grain production by area for late-maturing corn hybrids grown in Mississippi, 2002.

Hybrid number	Brand name	Area I[1]		Area III[2]	
		2002 yield	2-yr. avg.	2002 yield	2-yr. avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*
AgriGold	XA2100Bt	170.7	-	195.0	-
Asgrow	RX897RR	181.6	-	202.9	-
Croplan Genetics	702	174.2	-	179.0	-
Croplan Genetics	818Bt	185.2	-	202.7	-
Croplan Genetics	827	150.3	153.7	176.3	178.2
Croplan Genetics	DS822RR	181.3	-	204.6	-
DEKALB	DKC68-70(YG)	174.5	177.5	215.0	210.8
DEKALB	DKC69-70(YG)	194.6	184.4	223.1	214.5
DEKALB	DK687RR	165.0	-	191.9	-
DEKALB	DK697	184.8	178.2	202.2	202.6
Dyna-Gro	DG5515	-	-	204.6	202.4
Dyna-Gro	DG5516	-	-	191.1	187.4
Dyna-Gro	DG5518	184.1	186.5	186.4	182.2
Dyna-Gro	DG5518RR	191.2	179.8	188.0	183.9
Dyna-Gro	DG58K56(RR)	-	-	196.5	-
Dyna-Gro	DGX15609(RR)	-	-	183.1	-
Dyna-Gro	DG58K22(RR)	184.2	-	194.3	-
FFR Seed	80191	188.8	-	196.2	-
Garst Seed	8288	176.4	173.9	197.3	191.9
Garst Seed	8222IT	148.7	164.3	186.2	184.1
Garst Seed	8230IT	177.7	-	-	-
Garst Seed	8285RR	172.5	-	185.4	-
Garst Seed	8118RR	151.8	-	-	-
Genesis	2A16YG	-	-	226.3	181.9
Genesis	2B16TR(YG/RR)	-	-	200.9	187.4
Genesis	2A16RR	-	-	186.7	-
Golden Acres	GA 8460	-	-	168.7	-
Golden Acres	GA 2888IMI	-	-	188.3	-
Monsanto	EXP267	165.9	-	180.3	-
NK Brand	N83-N5	174.9	-	189.6	-
NK Brand	N83-Z8(Bt)	193.1	176.5	220.2	218.9
NC+	NC+6962R	172.4	-	-	-
Pioneer	32R25	188.9	-	202.8	-
Pioneer	31G98	184.4	181.4	202.9	192.1
Pioneer	31R88	183.7	182.2	201.0	191.2
Pioneer	32D99	197.1	-	205.1	-
Pioneer	31B13(YG)	196.7	180.9	210.0	207.0
Southern States	SS859CL	-	-	167.5	174.5
Unity Seeds	6615	157.4	-	-	-
Overall mean		177.7	176.4	195.8	193.6
LSD (.10)		13.8	10.6	13.6	14.8
Error degrees of freedom		336	175	408	256
CV (%)		12.9	11.4	11.5	14.6
R^2 (%)		66	78	65	60

[1]Average of Aberdeen, Brooksville, and Hernando.
[2]2002 yield average is Clarksdale, Stoneville, and Yazoo City; 2-year average is Clarksdale and Yazoo City.

Table 19. Results from 27 grain sorghum varieties grown on a Sharkey clay soil in Stoneville, Washington County, 2002.[1]

Brand name	Hybrid number	2002 yield	2-year average	3-year average [2]	Head exertion [3]	Plant height [4]	Moisture content
		bu/A	*bu/A*	*bu/A*	*in*	*in*	*%*
TV96H81	Terral	65.3	102.2	-	5	55	14.0
X1753B	Dyna-Gro	63.8	-	-	3	48	13.5
751B	Dyna-Gro	57.4	98.2	-	4	54	14.0
780B	Dyna-Gro	57.1	93.1	-	5	58	14.5
FFR322	FFR	55.7	91.2	-	6	55	13.5
GA444E	Golden Acres	54.1	-	-	11	52	13.0
TV9421	Terral	53.9	89.1	-	9	52	13.3
TVX93S203	Terral	53.4	-	-	7	49	14.0
GA3694	Golden Acres	51.5	-	-	8	50	14.0
5515	Garst	50.1	90.2	-	10	48	13.0
TV93S72	Terral	48.0	88.7	-	9	50	13.0
5440	Garst	47.7	-	-	7	52	13.5
TR82-G	Triumph	45.3	-	-	4	55	14.5
SS-800	Southern States	44.2	87.9	-	10	52	12.5
84G62	Pioneer	43.6	-	-	7	51	13.8
SS-650	Southern States	43.5	81.7	-	2	53	14.0
TVX96H202	Terral	41.9	-	-	5	50	13.3
TV1050	Terral	40.0	78.7	-	6	55	13.3
X1754B	Dyna-Gro	38.1	-	-	4	51	13.0
83G66	Pioneer	38.0	87.5	-	6	57	12.0
FFR EXP4-64	FFR	37.8	-	-	5	48	13.5
FFR318	FFR	36.2	-	-	8	49	12.5
TVX95S201	Terral	36.1	-	-	10	51	12.8
FFR EXP3-64	FFR	35.9	-	-	10	51	13.5
X1763B	Dyna-Gro	26.6	-	-	6	49	10.5
5382	Garst	25.8	-	-	4	48	13.5
FFR319W	FFR	12.5	62.6	-	8	45	9.0
Overall mean		44.3	87.6	-			
LSD (.10)		14.7	9.3	-			
Error degrees of freedom		78	66	-			
CV (%)		28.3	12.7	-			
R^2 (%)		62	96	-			

[1]Planted May 30; harvested August 23.
[2]No 3-year average.
[3]Head Exertion = Distance in inches from the flag leaf to base of panicle.
[4]Plant Height = Height in inches from the soil surface to the top of the grain head.

Grain Sorghum Sources

FFR Seed **969 Cloverleaf Drive** **Southaven, MS 38671** **731-394-4679**	**FFR 318** **FFR 319W** **FFR 322** **FFR Exp. 3-64** **FFR Exp. 4-64**
Garst Seed Co. **761 Walnut Knoll Lane** **Suite 200** **Cordova, TN 38018** **901-844-7340**	**Garst 5515** **Garst 5440** **Garst 5382**
Golden Acres Genetics **P.O. Box 579** **Buchanan Dam, TX 78609** **512-793-5205**	**GA3694** **GA444E**
Pioneer **6767 Old Madison Pike** **Suite 110** **Huntsville, AL 35806** **256-971-0760**	**83G66** **84G62**
Southern States Coop **P.O. Box 26234** **Richmond, VA 23260** **804-281-1203**	**SS-650** **SS-800**
Terral Seed, Inc. **P.O. Box 826** **Lake Providence, LA 71254** **318-559-2840**	**TV1050** **TV9421** **TV93S72** **TV96H81** **TVX96H202** **TVX95S201** **TVX93S203**
Triumph Seed Co., Inc. **P.O. Box 1050** **Ralls, TX 79357** **800-530-4789**	**TR82-G**
UAP Mid South **57 Germantown Court** **Suite 200** **Cordova, TN 38018** **901-755-7566**	**751B** **780B** **X1753B** **X1754B** **X1763B**

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