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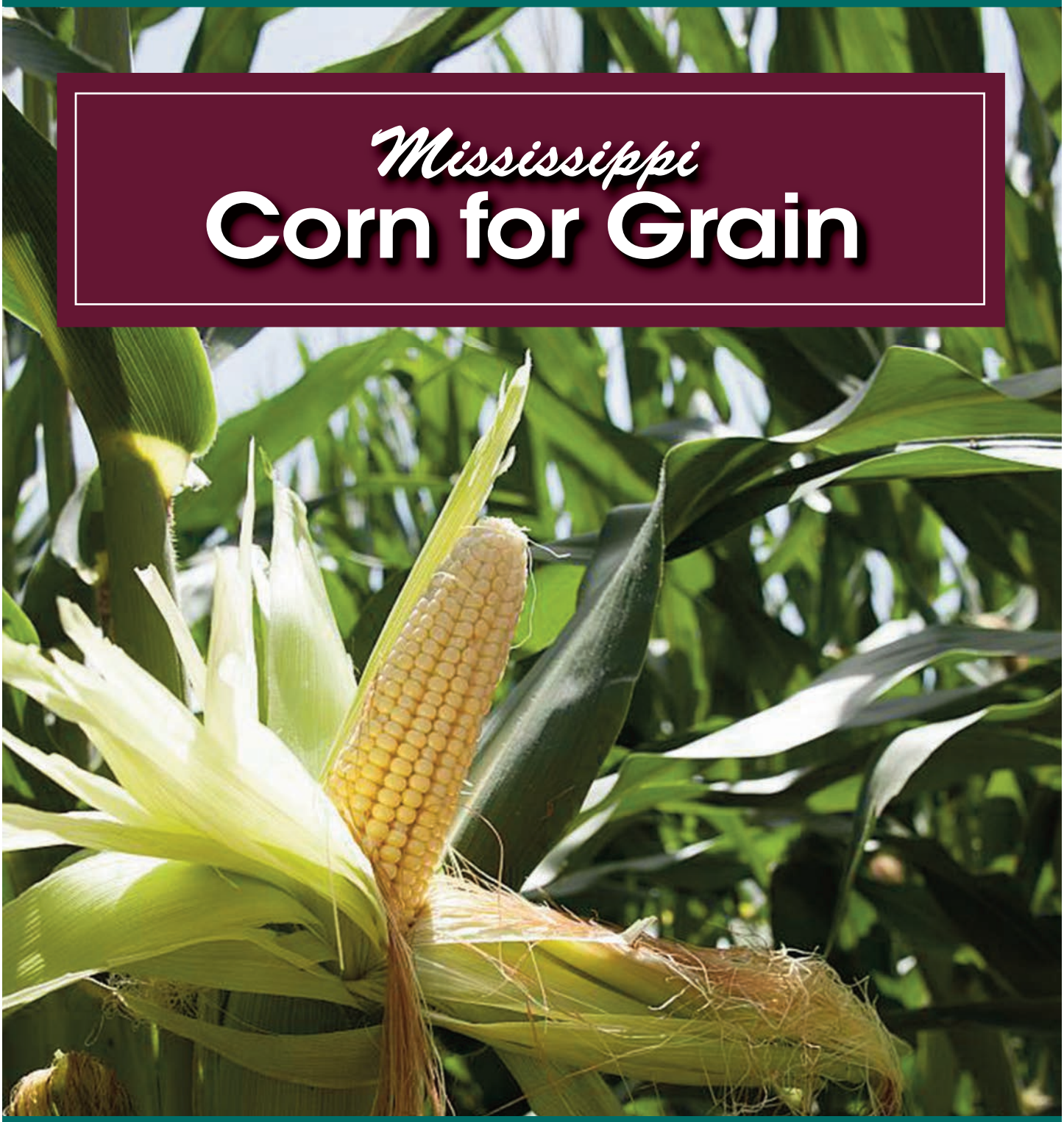
Mississippi Corn for Grain



HYBRID TRIALS, 2015

Mississippi's Official Variety Trials

MAFES

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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.

Mississippi Corn for Grain Hybrid Trials, 2015

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Find variety trial information online at ***mafes.msstate.edu/variety-trials***.

Corn Hybrid TEST LOCATIONS

Mississippi Corn for Grain Hybrid Trials, 2015

PROCEDURES

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 (one irrigated and four 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 under both dryland and irrigated conditions, and plots in Area II were grown under irrigated conditions. All irrigated trials were either furrow or center-pivot 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 14% 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 gen-

erally 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, 2015.

Company	Hybrid	Trait	Planting rate (x1000)	Seed treatment	Days to maturity
AgriGold Hybrids 5381 Akin Road St. Francisville, IL 62460 618-943-5776	A6499VT2RIB A6501VT2RIB A6559VT2RIB A6573VT2RIB A6574VT2PRO A6579STX A6687VT2PRO A6711VT2PRO A6659VT2RIB A6719VT2PRO	VT2PRO VT2PRO VT2PRO VT2PRO VT2PRO VT2PRO VT2PRO VT2PRO VT2PRO VT2PRO	32 30 32 32 32 32 32 30 32 32	P500+VOTiVO P500+VOTiVO P500+VOTiVO P500+VOTiVO P500+VOTiVO P500+VOTiVO P500+VOTiVO P500+VOTiVO P500+VOTiVO P500+VOTiVO	112 112 113 114 114 114 117 118 116 118
Armor Seed 183 Pennsylvania Avenue Waldenburg, AR 72475 662-719-3157	A0808 A1033 *AXC5112SS* A1414 A1616 A1621 *AXC5117* *AXC4119*	VTPRO2 VTPRO2 VTPRO2 VTPRO2 VTPRO2 VTPRO2 VTPRO2 VTPRO2	34 34 34 34 34 34 34 34	Acceleron, Poncho/VOTiVO Acceleron, Poncho/VOTiVO Acceleron, Poncho/VOTiVO Acceleron, Poncho/VOTiVO Acceleron, Poncho/VOTiVO Acceleron, Poncho/VOTiVO Acceleron, Poncho/VOTiVO Acceleron, Poncho/VOTiVO	108 110 112 114 116 116 117 119
Augusta Seed P.O. Box 899 Verona, VA 24482 540-255-5901	7768 7767 8868 7068	GT3110 VT3PRO VT3PRO VT2PRO	36 36 36 36	Cruiser 250 Cruiser 1250 Poncho 250 Poncho 500	117 117 118 118
B-H Genetics 5933 FM 1157 Ganado, TX 77962 361-771-2755	BH 8735VTTP BH 8688DG2P	Genuity VT3P Genuity DGVT2P	34 34	Acceleron 500 Acceleron 500	117 114
Delta Grow Seed P.O. Box 219 England, AR 72046 501-842-2572	2888 3660	GTCBLLBL GTCBLLBL	34 34	Poncho 1250 Poncho 1250	117 118
Croplan by Winfield P.O. Box 64131 St. Paul, MN 55164-0131 662-617-5124	6640 8512 7927	VT3P RIB VT3P RIB VT3P RIB	36/34 34 34	Poncho 250 Poncho 250 Poncho 250	113 117 117
Golden Acres Genetics P.O. Box 579 Buchanan Dam, TX 78609 512-793-5205	G6611 26V21	VT3P VT3P	34 34	1250 Poncho/VOTiVO 1250 Poncho/VOTiVO	116 115
Great Heart Seed 220 West Washington Street St. Paris, IL 61944 217-465-4132	HT 7778 HT 7741 HT 7381	VT3P RIB VT2P RIB VT2P RIB	34 32 34	P500+VOTiVO P500+VOTiVO P500+VOTiVO	117 117 113
Syngenta Seeds 112 Meadowlark Lane Indianola, MS 38751 662-207-1604	N76A N78S N78S N83D	3000 GT 3111 3111 3000 GT	30 30 34 34	Avicta Complete Corn Avicta Complete Corn Avicta Complete Corn Avicta Complete Corn	114 116 116 118

Table 1 (continued). Characteristics provided by sponsoring companies for corn hybrids entered in the Mississippi Corn for Grain Hybrid Trials, 2015.

Company	Hybrid	Trait	Planting rate (x1000)	Seed treatment	Days to maturity
Terral Seed Inc.	REV22BHR43	Optimum Intrasect/LL/RR	32/28	P1250+VOTiVO	112
111 Ellington Drive	REV23BHR55	Optimum Intrasect/LL/RR	32/28	P1250+VOTiVO	113
Rayville, LA 71269	REV24BHR93	Optimum Intrasect/LL/RR	32/28	P1250+VOTiVO	114
318-341-8814	REV25BHR26	Optimum Intrasect/LL/RR	32/28	P1250+VOTiVO	115
	REV26BHR50	Optimum Intrasect/LL/RR	32/28	P1250+VOTiVO	116
	REV28HR20	HX1/LL/RR	32/28	P1250+VOTiVO	118
Mycogen Seeds	2C786	SSX	30	CruiserMaxx 1250	114
253 Avondale Road	2Y744	SSX	28/34	CruiserMaxx 1250	113
Greenville, MS 38703	2C797	SSX	30/36	CruiserMaxx 1250	113
662-822-1964	2D848	SSX	30/36	CruiserMaxx 1250	118
	X13813VH	SSX	28/34	CruiserMaxx 1250	114
	X13726VH	SSX	28/34	CruiserMaxx 1250	115
Steyer Seeds	11604	SSX RIB Complete	34	Surestand-Maxim Quattro, Cruiser 250	116
P.O. Box 209	11407	SSX RIB Complete	34	Surestand-Maxim Quattro, Cruiser 250	114
Old Fort, OH 44861	11504	SSX RIB Complete	34	Surestand-Maxim Quattro, Cruiser 250	115
419-355-6708	11702	3000GT	32	Surestand-Maxim Quattro, Cruiser 250	117
Progeny AG Products	PGY 4115VT2P	VT2P	34/36	Poncho 1250 + VOTiVO	115
1529 Highway 193	PGY 5115VT2P	VT2P	32/34	Poncho 1250 + VOTiVO	115
Wynne, AR 72396	PGY 4117VT3P	VT3P	32/36	Poncho 1250 + VOTiVO	117
979-587-9968	PGY EXP16VT2P	VT2P	34/34	Poncho 1250 + VOTiVO	116
Monsanto	DKC62-08	SS	36	Acceleron with Poncho 1250 /VOTiVO	112
108 Bayberry Lane	DKC64-69	VT3P	34	Acceleron with Poncho 1250 /VOTiVO	114
Madison, MS 39110	DKC65-71	VT2P, DG	36	Acceleron with Poncho 1250 /VOTiVO	115
601-317-2661	DKC66-40	SS	36	Acceleron with Poncho 1250 /VOTiVO	116
	DKC66-59	VT2P	36	Acceleron with Poncho 1250 /VOTiVO	116
	DKC66-87	VT2P	36	Acceleron with Poncho 1250 /VOTiVO	116
	DKC66-97	VT2P	36	Acceleron with Poncho 1250 /VOTiVO	116
	DKC67-14	VT2P	36	Acceleron with Poncho 1250 /VOTiVO	117
	DKC67-72	VT2P	36	Acceleron with Poncho 1250 /VOTiVO	117
	DKC68-26	VT2P	34	Acceleron with Poncho 1250 /VOTiVO	118
Dyna-Gro Seed	D55QC73	VT3P	36	Poncho 500 VOTiVO	115
254 U.S. Highway 72	D54DC94	VT2P	30/36	Poncho 500 VOTiVO	114
Collierville, TN 38017	D55VP77	VT3P	30/36	Poncho 500 VOTiVO	115
662-401-6311	D57VP51	VT3P	32/36	Poncho 500 VOTiVO	117
	D57VP75	VT3P	30/36	Poncho 500 VOTiVO	117
	D57DC58	VT2P	30/36	Poncho 500 VOTiVO	117
	CX15118	VT2P	30/36	Poncho 500 VOTiVO	118
Dulaney Seed Inc.	Av376y	Optimum Intrasect, RR, LL	32/28	Poncho 500 VOTiVO	119
6933 Sunflower School Road	Av336y	Optimum Intrasect, RR, LL	34	Poncho 500 VOTiVO	118
Clarksdale, MS 38614	Av032y	Optimum Intrasect, RR, LL	34/28	Poncho 500 VOTiVO	120
662-627-7060	Av016y	Optimum Intrasect, RR, LL	36/28	Poncho 500 VOTiVO	120
	Av120y	Optimum Intrasect, RR, LL	34	Poncho 500 VOTiVO	113

Table 2. 2015 corn hybrid yield summary for dryland locations.

Brand	Hybrid number[1]	Aberdeen	Brooksville	Overall average
		bu/A	*bu/A*	*bu/A*
AgriGold	A6501VT2RIB	193.3	157.7	175.5
AgriGold	A6719VT2PRO	203.7	170.6	187.1
AgriGold	A6499VT2RIB	204.7	164.7	184.7
AgriGold	A6559VT2RIB	196.5	173.7	185.1
AgriGold	A6573VT2RIB	192.3	154.8	173.5
AgriGold	A6574VT2PRO	189.5	163.4	176.4
AgriGold	A6579STX	195.7	178.6	187.2
AgriGold	A6659VT2RIB	225.3	172.4	198.9
AgriGold	A6687VT2PRO	181.5	147.9	164.7
AgriGold	A6711VT2PRO	205.8	158.0	181.9
AgVenture	Av016y	195.5	168.9	182.2
AgVenture	Av032y	202.2	141.2	171.7
AgVenture	Av376y	203.1	155.8	179.4
Armor	A1414PRO2DG	201.7	166.4	184.1
Armor	A0808PRO2RIB	185.0	140.6	162.8
Armor	A1033PRO2	200.4	157.4	178.9
Armor	A1616PRO2	192.1	147.9	170.0
Armor	A1621PRO2	209.0	167.2	188.1
Armor	*AXC4119PRO2*	201.2	186.2	193.7
Armor	*AXC5117PRO2*	191.4	166.5	179.0
Armor	*AXC5112SS*	189.8	148.8	169.3
Croplan	6640	213.6	202.0	207.8
Croplan	8512	193.6	158.2	175.9
Dekalb	DKC66-97	211.4	195.4	203.4
Dekalb	DKC62-08	191.9	165.4	178.7
Dekalb	DKC64-69	194.0	163.0	178.5
Dekalb	DKC65-71	209.8	169.4	189.6
Dekalb	DKC66-40	206.0	192.0	199.0
Dekalb	DKC66-59	203.0	158.1	180.5
Dekalb	DKC66-87	215.6	189.2	202.4
Dekalb	DKC67-14	229.7	170.9	200.3
Dekalb	DKC67-72	205.6	170.6	188.1
Dekalb	DKC68-26	195.1	185.0	190.0
Delta Grow	2888	192.8	164.7	178.8
Delta Grow	3660	213.9	167.7	190.8
Dyna-Gro	*CX15118*	200.5	163.7	182.1
Dyna-Gro	D54DC94	200.9	164.8	182.8
Dyna-Gro	D55VP77	192.4	170.0	181.2
Dyna-Gro	D57DC58	185.6	136.8	161.2
Dyna-Gro	D57VP51	215.4	161.0	188.2
Dyna-Gro	D57VP75	187.9	186.4	187.1
Mycogen	2C786	188.5	177.3	182.9
Mycogen	2C797	201.8	169.2	185.5
Mycogen	2D848	190.4	176.3	183.3
Mycogen	2Y744	193.2	147.8	170.5
Mycogen	*X13726VH*	198.0	161.7	179.9
Mycogen	*X13813VH*	187.0	161.8	174.4
NK	N76A	198.6	170.7	184.6
NK	N78S	192.7	152.6	172.6
Progeny Ag	*EXP16VT2P*	211.4	159.0	185.2
Progeny Ag	PGY4117 VT2P	177.6	147.2	162.4
Progeny Ag	PGY4115 VT2P	194.3	157.7	176.0
Progeny Ag	PGY5115 VT2P	204.0	165.8	184.9
Steyer	11407VT2PRO RIBC	191.1	160.0	175.5
Steyer	11504GENSS RIBC	191.7	175.1	183.4
Steyer	11604VT2PRO RIBC	210.1	167.8	189.0
Steyer	11702 3000GT	199.0	140.4	169.7
Terral Seed	REV 25BHR26	172.5	158.4	165.4
Terral Seed	REV 22BHR43	171.9	145.1	158.5
Terral Seed	REV 23BHR55	199.4	164.6	182.0
Terral Seed	REV 24BHR93	198.4	149.3	173.8
Terral Seed	REV 26BHR50	188.1	134.3	161.2
Terral Seed	REV 28HR20	200.8	155.9	178.3
Mean		198.1	163.8	181.0
LSD		15.6	16.1	
Error df		186	186	
CV		6.8	8.4	
R^2		48.7	60.5	

[1]Hybrid in italics denotes an experimental entry.

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

Brand	Hybrid number[1]	Aberdeen	Brooksville	Overall avg.
		bu/A	*bu/A*	*bu/A*
AgriGold	A6499VT2RIB	183.5	171.1	177.3
AgriGold	A6501VT2RIB	186.0	171.6	178.8
AgriGold	A6559VT2RIB	174.5	186.9	180.7
AgriGold	A6573VT2RIB	167.8	166.7	167.3
AgriGold	A6659VT2RIB	203.2	172.4	187.8
AgriGold	A6687VT2PRO	172.6	170.5	171.5
AgriGold	A6719VT2PRO	186.3	172.9	179.6
AgriGold	A6574VT2PRO	180.0	168.1	174.1
Armor	A1414PRO2DG	170.2	178.0	174.1
Armor	A1621PRO2	202.2	182.4	192.3
Armor	*AXC4119PRO2*	203.2	184.8	194.0
Armor	1616PRO2	193.8	172.7	183.3
Croplan	6640	198.0	199.7	198.9
Dekalb	DKC66-97	193.9	192.9	193.4
Dekalb	DKC62-08	178.1	182.8	180.4
Dekalb	DKC64-69	174.5	181.6	178.0
Dekalb	DKC66-40	193.8	192.8	193.3
Dekalb	DKC66-87	190.1	192.7	191.4
Delta Grow	2888	182.1	177.5	179.8
Delta Grow	3660	203.9	186.9	195.4
Dyna-Gro	D55VP77	181.2	149.7	165.4
Dyna-Gro	D57VP51	202.2	178.8	190.5
Dyna-Gro	D57VP75	177.2	189.8	183.5
Mycogen	2C786	184.8	186.9	185.9
Mycogen	2C797	184.6	184.9	184.8
Mycogen	2Y744	182.6	168.9	175.8
Mycogen	2D848	167.0	182.5	174.8
NK	N78S	183.2	177.1	180.1
Progeny Ag	PGY4117VT2P	175.2	164.4	169.8
Progeny Ag	PGY5115VT2P	192.7	176.7	184.7
Steyer	11407VT2PRORIBC	180.7	147.6	164.2
Steyer	11604VT2PRORIBC	180.2	181.0	180.6
Terral Seed	REV 23BHR55	181.6	184.0	182.8
Terral Seed	REV 24BHR93	189.3	171.8	180.5
Terral Seed	REV 26BHR50	171.2	180.1	175.7
Terral Seed	REV 28HR20	193.1	161.3	177.2
Overall Mean		185.1	177.5	181.3

[1]Hybrid in italics denotes an experimental entry.

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

Brand	Hybrid number	Aberdeen	Brooksville	Overall avg.
		bu/A	*bu/A*	*bu/A*
AgriGold	A6499VT2RIB	170.2	156.4	163.3
AgriGold	A6501VT2RIB	170.4	156.1	163.2
AgriGold	A6559VT2RIB	163.3	168.5	165.9
AgriGold	A6687VT2PRO	173.6	155.7	164.6
AgriGold	A6573VT2RIB	158.9	151.5	155.2
AgriGold	A6659VT2RIB	188.4	160.1	174.3
Croplan	6640	189.0	180.9	184.9
Dekalb	DKC62-08	170.7	164.8	167.7
Dekalb	DKC64-69	162.8	159.9	161.3
Dekalb	DKC66-40	177.0	176.9	176.9
Dekalb	DKC66-87	177.8	173.8	175.8
Dekalb	DKC66-97	182.8	177.5	180.2
Delta Grow	2888	165.6	149.3	157.4
Delta Grow	3660	184.4	165.4	174.9
Dyna-Gro	D55VP77	169.8	144.1	157.0
Dyna-Gro	D57VP51	180.6	156.8	168.7
Dyna-Gro	D57VP75	170.2	170.6	170.4
Mycogen	2C786	181.4	170.5	175.9
NK	N78S	169.2	153.9	161.6
Steyer	11407VT2PRORIBC	168.7	140.8	154.7
Steyer	11604VT2PRORIBC	174.4	163.4	168.9
Terral Seed	REV 24BHR93	177.3	159.1	168.2
Terral Seed	REV 26BHR50	160.3	163.5	161.9
Terral Seed	REV 28HR20	184.2	155.0	169.6
Overall Mean		173.8	161.4	167.6

Table 5. 2015 corn hybrid yield summary for irrigated locations.

Brand	Hybrid number[1]	Macon	Minter City	Rolling Fork	Stoneville (clay)	Stoneville (loam)	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriGold	A6499 VT2RIB	228.5	204.1	228.9	159.2	247.7	213.7
AgriGold	A6501VT2RIB	244.5	212.9	230.5	160.5	254.6	220.6
AgriGold	A6559VT2RIB	244.8	199.3	225.0	144.8	244.2	211.6
AgriGold	A6573VT2RIB	217.8	190.8	201.2	177.5	235.4	204.6
AgriGold	A6574VT2PRO	243.6	217.0	244.8	149.7	264.2	223.8
AgriGold	A6579STX	232.0	211.5	220.6	175.0	256.6	219.2
AgriGold	A6659VT2RIB	252.3	228.8	249.4	172.8	264.2	233.5
AgriGold	A6687VT2PRO	227.6	222.0	226.3	171.5	263.1	222.1
AgriGold	A6711VT2PRO	232.7	200.5	221.8	182.6	244.5	216.4
AgriGold	A6719 VT2PRO	235.2	212.2	237.1	165.6	249.8	220.0
AgVenture	Av016y	256.9	219.0	258.3	178.4	281.1	238.7
AgVenture	Av032y	246.8	202.2	245.6	147.4	270.1	222.4
AgVenture	Av120y	259.4	235.1	255.0	164.2	277.8	238.3
AgVenture	Av336y	269.2	244.8	256.6	174.7	264.6	242.0
AgVenture	Av376y	252.2	222.3	233.5	160.9	272.0	228.2
Armor	A1414PRO2DG	234.7	236.5	239.1	155.6	262.4	225.7
Armor	A0808PRO2RIB	203.5	197.8	210.3	163.1	228.9	200.7
Armor	A1033PRO2	224.9	184.4	192.9	149.4	224.1	195.1
Armor	A1616PRO2	227.7	195.5	210.6	145.9	232.2	202.4
Armor	A1621PRO2	221.2	207.6	230.0	163.0	242.7	212.9
Armor	*AXC4119 PRO2*	220.2	211.9	220.9	180.7	241.7	215.1
Armor	*AXC5112 SS*	204.9	199.5	195.6	172.6	229.4	200.4
Armor	*AXC5117PRO2*	238.3	219.5	248.6	157.8	266.2	226.1
Augusta	7767	242.9	215.7	220.2	173.8	245.4	219.6
Augusta	7768	273.0	248.9	251.3	189.1	283.6	249.2
Augusta	8868	236.0	233.7	252.9	159.5	262.3	228.9
Augusta	7068	237.3	221.4	243.2	179.2	243.6	224.9
B-H Genetics	BH 8688DG2P	229.9	233.3	239.2	156.0	272.7	226.2
B-H Genetics	BH 8735VTTP	232.5	220.1	244.2	169.0	266.5	226.5
Croplan	6640VT3PRO/RIB	259.9	208.9	227.7	157.5	254.8	221.8
Croplan	7927 VT3PRO/RIB	238.8	231.0	236.4	150.0	265.8	224.4
Dekalb	DKC66-97	233.4	219.1	208.9	151.5	251.6	212.9
Dekalb	DKC62-08	233.1	217.2	224.8	135.5	249.8	212.1
Dekalb	DKC64-69	233.6	211.8	225.7	155.5	249.4	215.2
Dekalb	DKC65-71	223.7	206.8	202.6	125.8	247.0	201.2
Dekalb	DKC66-40	246.0	219.7	234.4	139.8	258.7	219.7
Dekalb	DKC66-59	237.0	215.6	226.1	136.4	248.7	212.7
Dekalb	DKC66-87	250.0	228.0	234.0	158.2	272.8	228.6
Dekalb	DKC67-14	249.7	218.6	240.1	149.8	261.6	224.0
Dekalb	DKC67-72	248.8	202.4	203.5	159.6	236.2	210.1
Dekalb	DKC68-26	262.0	236.0	236.8	132.7	246.0	222.7
Delta Grow	2888	223.0	221.7	200.5	155.2	226.1	205.3
Delta Grow	3660	219.1	196.5	210.8	159.7	238.9	205.0
Dyna-Gro	*CX15118*	234.4	211.4	237.7	166.0	257.2	221.3
Dyna-Gro	D54DC94	219.7	233.7	255.4	141.7	275.3	225.1
Dyna-Gro	D55QC73	233.2	217.4	231.3	140.9	254.5	215.4
Dyna-Gro	D55VP77	218.1	192.3	229.8	161.9	254.0	211.2
Dyna-Gro	D57DC58	225.6	204.4	206.0	159.7	229.7	205.1
Dyna-Gro	D57VP51	259.6	232.9	243.2	179.8	254.7	234.0
Dyna-Gro	D57VP75	243.3	238.3	252.1	165.0	278.0	235.4
Golden Acres	26V21	214.1	219.4	227.4	150.6	243.9	211.1
Golden Acres	G6611	242.6	206.3	210.8	152.0	249.4	212.2
Great Heart Seed	HT-7381VT2PRIB	224.3	219.0	232.4	155.4	258.2	217.9
Great Heart Seed	HT-7741VT2PRIB	240.1	206.3	234.5	170.2	256.8	221.6
Great Heart Seed	HT-7778VT3PRIB	210.2	224.3	224.1	159.8	237.5	211.2
Mycogen	2C797	234.5	209.5	215.2	174.0	227.0	212.1
Mycogen	2D848	243.7	228.5	239.1	162.4	259.7	226.7
Mycogen	2Y744	204.2	170.8	184.8	155.9	187.4	180.6
Mycogen	*X13726VH*	236.1	207.7	240.5	163.6	258.3	221.3
Mycogen	*X13813VH*	221.5	206.5	224.5	124.8	241.7	203.8
NK	N83D	232.6	201.7	216.6	146.0	237.5	206.9
NK	N78S	236.2	207.9	223.8	159.6	259.1	217.3
Progeny Ag	*EXP16VT2P*	220.5	205.7	200.4	163.4	231.1	204.2
Progeny Ag	PGY4117 VT2P	215.3	200.4	216.1	147.9	236.1	203.2
Progeny Ag	PGY4115VT2P	241.4	230.5	226.0	173.5	247.0	223.7
Progeny Ag	PGY5115VT2P	214.5	201.3	214.8	153.1	234.3	203.6
Steyer	11407VT2PRORIBC	211.9	206.2	228.0	145.0	242.7	206.8
Steyer	11504GENSSRIBC	223.1	199.9	214.1	144.9	234.9	203.4

[1]Hybrid in italics denotes an experimental entry.

Table 5 (continued). 2015 corn hybrid yield summary for irrigated locations.

Brand	Hybrid number[1]	Macon	Minter City	Rolling Fork	Stoneville (clay)	Stoneville (loam)	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
Steyer	11604VT2PRORIBC	229.7	220.1	223.9	145.6	243.3	212.5
Steyer	11702 3000GT	225.4	203.7	224.7	146.9	233.6	206.8
Terral Seed	REV 22BHR43	221.7	201.0	205.1	146.8	223.4	199.6
Terral Seed	REV 23BHR55	242.5	234.0	244.3	147.3	272.7	228.2
Terral Seed	REV 24BHR93	224.1	215.3	225.1	148.1	236.4	209.8
Terral Seed	REV 25BHR26	238.2	234.2	245.0	143.4	278.5	227.9
Terral Seed	REV 26BHR50	241.0	245.0	239.1	150.9	269.8	229.2
Terral Seed	REV 28HR20	235.1	224.7	262.0	150.8	269.4	228.4
Mean		234.0	215.0	228.2	157.4	251.0	217.1
LSD		20.7	15.7	16.3	19	14.9	
Error df		225	225	225	225	225	
CV		7.6	6.3	6.1	10.3	5.0	
R^2		49.3	62.6	66.7	68.5	71.3	

[1]Hybrid in italics denotes an experimental entry.

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

Brand	Hybrid number[1]	Macon	Minter City	Rolling Fork	Stoneville (loam)	Stoneville (clay)	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriGold	A6499VT2RIB	231.2	222.7	231.9	240.8	169.2	219.2
AgriGold	A6501VT2RIB	241.2	222.2	232.5	238.3	173.9	221.6
AgriGold	A6559VT2RIB	245.3	214.8	225.5	243.5	165.7	219.0
AgriGold	A6573VT2RIB	230.4	199.3	213.7	229.5	187.1	212.0
AgriGold	A6659VT2RIB	233.1	230.2	234.4	250.1	183.6	226.3
AgriGold	A6687VT2PRO	235.8	238.5	237.7	255.3	188.0	231.1
AgriGold	A6719VT2PRO	237.8	228.8	240.8	246.4	194.0	229.6
AgriGold	A6574VT2PRO	231.9	231.7	229.9	252.7	178.6	225.0
Armor	A1414PRO2DG	240.7	249.1	245.5	253.0	178.5	233.4
Armor	A1621PRO2	229.1	219.2	239.7	235.9	175.5	219.9
Armor	*AXC4119PRO2*	226.2	224.6	231.8	233.0	200.0	223.1
Augusta	7767	249.4	225.5	224.3	251.1	193.2	228.7
Augusta	7768	267.4	259.1	264.2	278.1	211.3	256.0
Augusta	8868	239.4	241.1	251.7	268.2	189.9	238.1
B-H Genetics	BH 8735VTTP	232.8	239.1	245.0	271.3	199.6	237.6
Croplan	6640VT3PRO/RIB	254.9	229.4	243.6	263.2	191.5	236.5
Croplan	7927VT3PRO/RIB	249.4	254.9	251.1	267.0	188.1	242.1
Dekalb	DKC66-97	244.2	236.2	224.7	241.7	181.4	225.6
Dekalb	DKC62-08	231.1	228.0	223.4	251.1	174.4	221.6
Dekalb	DKC64-69	234.1	223.9	233.1	250.7	187.2	225.8
Dekalb	DKC66-40	256.8	241.8	231.7	265.5	178.2	234.8
Dekalb	DKC66-87	251.5	243.7	246.3	265.2	187.8	238.9
Delta Grow	2888	233.8	237.3	224.7	233.5	179.1	221.7
Delta Grow	3660	231.0	205.8	219.7	251.6	193.6	220.3
Dyna-Gro	D55VP77	206.1	212.3	234.9	251.2	174.6	215.8
Dyna-Gro	D57VP51	241.0	236.5	231.0	249.1	198.2	231.1
Dyna-Gro	D57VP75	241.1	250.1	261.8	267.3	188.7	241.8
Golden Acres	26V21	211.0	202.7	224.0	235.0	174.2	209.4
Golden Acres	G6611	241.9	227.2	232.9	252.0	177.5	226.3
Great Heart Seed	HT-7778VT3PRIB	229.2	242.9	246.3	253.1	196.4	233.6
Mycogen	2C797	240.1	214.9	228.5	230.7	188.0	220.5
Mycogen	2Y744	212.2	192.3	207.7	227.9	181.1	204.2
Mycogen	2D848	247.1	231.9	232.5	256.8	184.5	230.6
NK	N83D	235.3	215.3	225.9	235.3	175.2	217.4
NK	N78S	242.0	215.9	235.4	260.1	178.0	226.3
Progeny Ag	PGY4117 VT2P	225.1	218.7	234.2	242.0	166.1	217.2
Progeny Ag	PGY5115VT2P	228.9	211.2	225.0	239.9	173.3	215.7
Steyer	11407VT2PRORIBC	226.2	236.1	224.7	260.9	175.6	224.7
Steyer	11604VT2PRORIBC	236.3	233.0	225.0	244.0	166.6	221.0
Terral Seed	REV 22BHR43	228.5	206.8	221.4	233.9	164.9	211.1
Terral Seed	REV 23BHR55	247.4	241.1	250.7	269.9	180.0	237.8
Terral Seed	REV 24BHR93	221.4	231.5	246.9	245.9	184.0	226.0
Terral Seed	REV 26BHR50	248.1	249.0	259.7	269.3	185.8	242.4
Terral Seed	REV 28HR20	225.3	240.7	247.5	277.7	184.0	235.0
Overall Mean		236.2	228.6	235.1	250.9	182.9	226.7

[1]Hybrid in italics denotes an experimental entry.

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

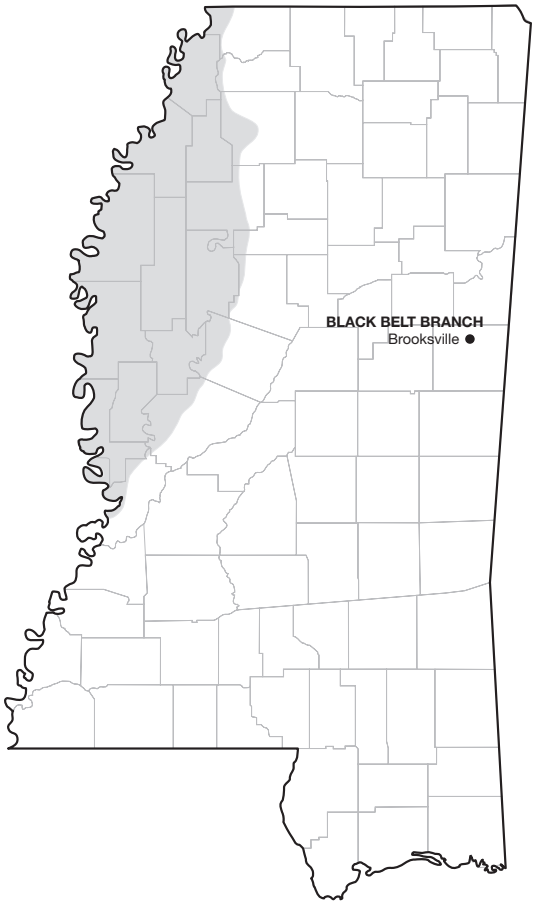
Brand	Hybrid number	Macon	Minter City	Rolling Fork	Stoneville (loam)	Stoneville (clay)	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriGold	A6499VT2RIB	234.7	213.0	220.9	234.7	172.4	215.1
AgriGold	A6501VT2RIB	239.6	224.4	220.0	230.7	170.5	217.0
AgriGold	A6559VT2RIB	239.6	221.4	220.3	233.4	169.1	216.8
AgriGold	A6687VT2PRO	239.0	229.8	224.7	251.9	189.4	226.9
AgriGold	A6573VT2RIB	227.5	199.9	204.7	227.9	182.8	208.6
AgriGold	A6659VT2RIB	248.3	225.5	229.2	182.3	249.5	227.0
Augusta	7768	262.7	246.8	242.1	259.9	205.1	243.3
Augusta	7767	250.4	221.6	217.8	185.8	252.0	225.5
B-H Genetics	BH 8735VTTP	238.7	221.8	234.6	259.5	198.1	230.5
Croplan	6640VT3PRO/RIB	257.1	226.3	232.9	261.1	190.6	233.6
Dekalb	DKC66-97	242.5	230.7	224.6	243.8	184.2	225.2
Dekalb	DKC62-08	232.5	223.1	218.0	242.6	172.5	217.8
Dekalb	DKC64-69	238.2	215.6	220.4	236.5	174.8	217.1
Dekalb	DKC66-40	258.3	237.7	220.9	256.7	179.9	230.7
Dekalb	DKC66-87	251.1	232.9	230.5	256.2	189.1	231.9
Delta Grow	2888	233.2	216.6	205.8	234.2	181.7	214.3
Delta Grow	3660	234.5	214.2	212.8	248.4	186.5	219.3
Dyna-Gro	D55VP77	216.7	204.1	219.0	248.6	173.5	212.4
Dyna-Gro	D57VP51	243.3	218.7	228.0	244.2	197.9	226.4
Dyna-Gro	D57VP75	245.0	234.6	245.2	259.1	188.2	234.4
Golden Acres	26V21	219.4	210.9	211.8	236.5	177.3	211.2
Golden Acres	G6611	244.4	222.6	222.1	241.3	178.5	221.8
NK	N78S	245.1	214.3	225.4	183.0	252.0	224.0
Steyer	11407VT2PRORIBC	227.3	229.6	216.5	177.3	249.9	220.1
Steyer	11604VT2PRORIBC	243.0	219.7	213.9	170.4	243.9	218.2
Terral Seed	REV 22BHR43	233.3	212.0	219.2	240.7	168.0	214.6
Terral Seed	REV 24BHR93	230.0	219.1	229.8	248.7	189.5	223.4
Terral Seed	REV 26BHR50	250.5	234.0	238.1	254.9	178.5	231.2
Terral Seed	REV 28HR20	233.8	217.3	232.9	264.7	180.1	225.7
Overall Mean		232.0	214.6	216.1	227.2	187.5	215.5

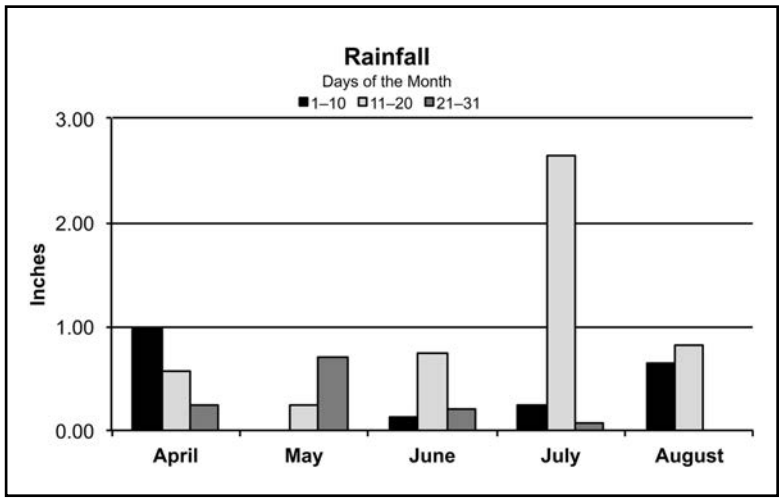
MAFES BLACK BELT BRANCH, BROOKSVILLE

Crop Summary

Plots were planted on April 3 into a stale seedbed that had been hipped and rolled the previous fall. Soil moisture at planting was optimum for germination, and all plots quickly emerged to a stand. Very wet conditions were observed in the next few weeks after planting. Following this initial rainy period, the crop experienced a considerable dry period during May and June. Plots were harvested in a timely manner.

Soil type . . . . . .**Brooksville silty clay**
Soil pH **6.8**
Soil fertility . . . . . .**P=M, K=L**
Fertilizer added . . . . . .**Preplant — 9-23-30 @ 300 lb/A**
Starter — 10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2)
Sidedress — N @ 50 lb/A (32% UAN) on April 22, N @ 74 lb/A (32% UAN) on May 5, and N @ 74 lb/A (32% UAN) on May 12
Herbicide applied . . . . . .**Preemergence — Lexar @ 2 qt/A and Gramoxone @ 1 qt/A on April 3**
Postemergence — Roundup PowerMAX @ 1 qt/A, Calisto @ 3 oz/A, and Atrazine @ 8 oz/A on May 12
Previous crop . . . . . .**Soybeans**
Planting date . . . . . .**April 3**
Harvest date . . . . . .**August 14**





Rainfall Summary

	Inches
April	1.80
May	0.95
June	1.09
July	2.96
August	1.46
Total	8.26

Table 8. Results from 63 corn hybrids grown without irrigation on a Brooksville silty clay soil at the MAFES Black Belt Branch, Brooksville, 2015.

Brand name	Hybrid number[1]	2015 yield	2-year average	3-year average	Ear height	Stalk lodging	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*%*	
Croplan	6640	202.0	199.7	180.9	41	10	15.1	34
Dekalb	DKC66-97	195.4	—	—	43	12	14.4	32
Dekalb	DKC66-40	192.0	192.8	176.9	38	0	14.7	32
Dekalb	DKC66-87	189.2	192.7	173.8	35	2	14.5	35
Dyna-Gro	D57VP75	186.4	189.8	170.6	48	0	15.6	32
Armor	*AXC4119PRO2*	186.2	—	—	44	0	15.9	33
Dekalb	DKC68-26	185.0	—	—	39	0	15.6	34
AgriGold	A6579STX	178.6	—	—	36	14	15.5	33
Mycogen	2C786	177.3	186.9	170.5	43	15	14.3	31
Mycogen	2D848	176.3	—	—	44	6	18.4	31
Steyer	11504GENSSRIBC	175.1	—	—	37	0	14.7	33
AgriGold	A6559VT2RIB	173.7	186.9	168.5	43	0	14.0	30
AgriGold	A6659VT2RIB	172.4	172.4	154.8	41	5	14.0	31
Dekalb	DKC67-14	170.9	—	—	45	16	15.5	31
NK	N76A	170.7	—	—	38	7	14.5	29
AgriGold	A6719VT2PRO	170.6	—	—	41	16	15.6	28
Dekalb	DKC67-72	170.6	—	—	42	4	14.5	29
Dyna-Gro	D55VP77	170.0	149.7	144.1	38	0	15.2	31
Dekalb	DKC65-71	169.4	—	—	34	2	15.2	38
Mycogen	2C797	169.2	—	—	46	4	15.3	26
AgVenture	Av016y	168.9	—	—	42	0	15.3	31
Steyer	11604VT2PRORIBC	167.8	—	—	36	0	15.2	29
Delta Grow	3660	167.7	186.9	165.4	40	0	18.6	30
Armor	A1621PRO2	167.2	—	—	43	16	14.9	33
Armor	*AXC5117PRO2*	166.5	—	—	40	0	14.6	34
Armor	A1414PRO2DG	166.4	—	—	38	4	15.2	31
Progeny Ag	PGY5115VT2P	165.8	176.7	—	40	0	14.2	31
Dekalb	DKC62-08	165.4	182.8	164.8	39	0	14.4	33
Dyna-Gro	D54DC94	164.8	—	—	40	0	15.3	30
AgriGold	A6499VT2RIB	164.7	171.1	156.4	41	5	14.9	29
Delta Grow	2888	164.7	177.5	149.3	47	0	14.6	32
Terral Seed	REV 23BHR55	164.6	—	—	36	0	14.6	28
Dyna-Gro	*CX15118*	163.7	—	—	36	7	14.9	29
AgriGold	A6574VT2PRO	163.4	—	—	32	0	15.7	33
Dekalb	DKC64-69	163.0	181.6	159.9	38	6	14.0	35
Mycogen	*X13813VH*	161.8	—	—	51	4	14.1	28
Mycogen	*X13726VH*	161.7	—	—	56	7	16.0	29
Dyna-Gro	D57VP51	161.0	178.8	156.8	37	0	14.6	29
Steyer	11407VT2PRORIBC	160.0	147.6	140.8	35	6	15.6	31
Progeny Ag	*EXP16VT2P*	159.0	—	—	38	0	15.8	28
Terral Seed	REV 25BHR26	158.4	—	—	44	0	16.3	29
Croplan	8512	158.2	—	—	40	7	14.5	35
Dekalb	DKC66-59	158.1	—	—	33	0	16.7	29
AgriGold	A6711VT2PRO	158.0	—	—	30	9	15.3	27
AgriGold	A6501VT2RIB	157.7	171.6	156.1	39	5	16.1	27
Progeny Ag	PGY4115VT2P	157.7	—	—	44	0	16.0	30
Armor	A1033PRO2	157.4	—	—	41	11	13.5	33
Terral Seed	REV 28HR20	155.9	161.3	155.0	41	0	16.0	28
AgVenture	Av376y	155.8	—	—	39	4	14.6	32
AgriGold	A6573VT2RIB	154.8	—	—	33	0	13.6	29
NK	N78S	152.6	177.1	153.9	44	0	15.8	27
Terral Seed	REV 24BHR93	149.3	171.8	159.1	38	0	16.2	27
Armor	AXC5112SS	148.8	—	—	48	17	13.8	33
Armor	A1616PRO2	147.9	—	—	42	14	14.9	30
AgriGold	A6687VT2PRO	147.9	170.5	155.7	35	0	13.9	29
Mycogen	2Y744	147.8	—	—	33	2	13.3	26
Progeny Ag	PGY4117VT2P	147.2	—	—	46	7	15.9	28
Terral Seed	REV 22BHR43	145.1	—	—	41	0	15.5	26
AgVenture	Av032y	141.2	—	—	39	0	18.8	31

[1]Hybrid in italics denotes an experimental entry.

Table 8 (continued). Results from 63 corn hybrids grown without irrigation on a Brooksville silty clay soil at the MAFES Black Belt Branch, Brooksville, 2015.

Brand name	Hybrid number[1]	2015 yield	2-year average	3-year average	Ear height	Stalk lodging	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*%*	
Armor	A0808PRO2RIB	140.6	—	—	39	16	13.2	29
Steyer	11702 3000GT	140.4	—	—	38	11	15.2	30
Dyna-Gro	D57DC58	136.8	—	—	41	9	14.6	31
Terral Seed	REV 26BHR50	134.3	180.1	163.5	35	0	16.9	28
Mean		163.8						
LSD		16.1						
Error df		186						
CV		8.4						
R^2		60.5						

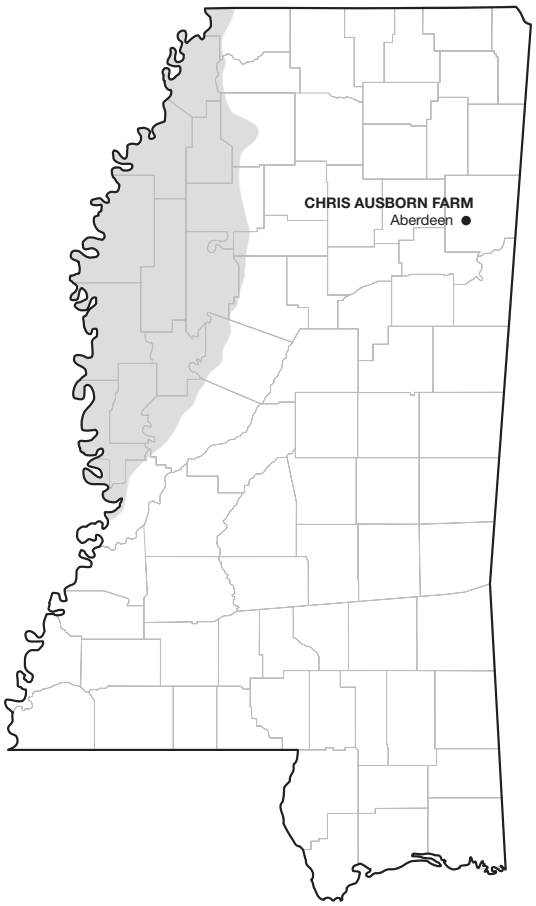
[1]Hybrid in italics denotes an experimental entry.

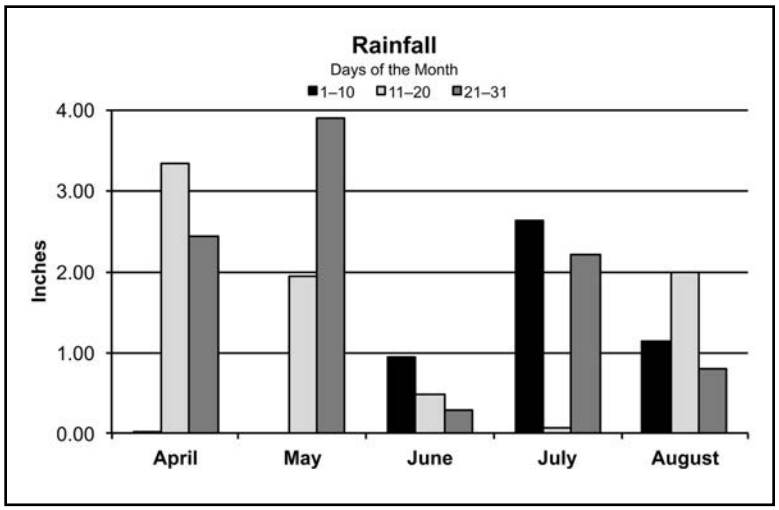
CHRIS AUSBORN FARM, ABERDEEN

Crop Summary

The corn plots were planted into a stale seedbed on April 2. The soil conditions at planting were ideal for germination. All plots quickly emerged to a good stand. Harvest was completed in a timely manner, and good yields were observed.

Soil type . . . . . .Houston clay
Soil pH 6.2
Soil fertility . . . . . .P=M, K=M
Fertilizer added . . . . . .Starter — 10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2)
Sidedress — N @ 200 lb/A (32% UAN) on May 15
Herbicide applied . . . . . .Preemergence — Lexar @ 2 qt/A and Gramoxone @ 1 qt/A on April 2
Postemergence — Atrazine @ 2 qt/A and Glyphosate @ 22 oz/A on May 15
Previous crop . . . . . .Soybean
Planting date . . . . . .April 2
Harvest date . . . . . .August 28





Rainfall Summary

	Inches
April	5.80
May	5.85
June	1.70
July	4.88
August	3.93
Total	22.16

Table 9. Results from 63 corn hybrids grown without irrigation on a Houston clay soil near Aberdeen, Monroe County, 2015.

Brand name	Hybrid number[1]	2015 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Armor	A1616PRO3	206.8	—	—	35	16.3	31
Dekalb	DKC67-14	229.7	—	—	47	16.2	35
AgriGold	A6659VT2RIB	225.3	203.2	—	42	16.4	32
Dekalb	DKC66-87	215.6	190.1	177.8	42	15.7	34
Dyna-Gro	D57VP51	215.4	202.2	180.6	39	15.8	32
Delta Grow	3660	213.9	203.9	184.4	43	17.6	33
Croplan	6640	213.6	198.0	189.0	43	16.2	31
Dekalb	DKC66-97	211.4	193.9	—	40	15.7	35
Progeny Ag	*EXP16VT2P*	211.4	—	—	42	16.0	32
Steyer	11604 VT2PRORIBC	210.1	—	—	42	16.4	32
Dekalb	DKC65-71	209.8	—	—	38	16.1	35
Armor	A1621PRO2	209.0	202.2	—	44	15.8	33
Dekalb	DKC66-40	206.0	193.8	177.0	50	16.3	32
AgriGold	A6711VT2PRO	205.8	—	—	37	15.9	29
Dekalb	DKC67-72	205.6	—	—	41	15.5	34
AgriGold	A6499VT2RIB	204.7	183.5	170.2	36	16.0	31
Progeny Ag	PGY5115VT2P	204.0	192.7	—	35	16.3	30
AgriGold	A6719VT2PRO	203.7	186.3	—	55	16.4	32
AgVenture	Av376y	203.1	—	—	53	17.1	25
Dekalb	DKC66-59	203.0	—	—	48	17.1	32
AgVenture	Av032y	202.2	—	—	54	18.8	27
Mycogen	2C797	201.8	184.6	—	46	15.4	30
Armor	A1414PRO2DG	201.7	170.2	—	51	16.0	32
Armor	*AXC4119PRO2*	201.2	203.2	—	49	16.7	31
Dyna-Gro	D54DC94	200.9	—	—	50	16.0	29
Terral Seed	REV 28HR20	200.8	193.1	184.2	45	16.7	25
Dyna-Gro	*CX15118*	200.5	—	—	42	15.8	28
Armor	A1033PRO2	200.4	—	—	40	14.7	33
Terral Seed	REV 23BHR55	199.4	181.6	—	41	15.4	26
Steyer	11702 3000GT	199.0	—	—	40	17.7	31
NK	N76A	198.6	—	—	38	15.6	30
Terral Seed	REV 24BHR93	198.4	189.3	177.3	39	15.9	27
Mycogen	*X13726VH*	198.0	—	—	53	16.2	27
AgriGold	A6559VT2RIB	196.5	174.5	163.3	42	15.1	33
AgriGold	A6579STX	195.7	—	—	52	15.8	32
AgVenture	Av016y	195.5	—	—	48	17.6	27
Dekalb	DKC68-26	195.1	—	—	43	15.9	33
Progeny Ag	PGY4115VT2P	194.3	—	—	37	17.1	32
Dekalb	DKC64-69	194.0	174.5	162.8	40	16.0	34
Croplan	8512	193.6	—	—	48	15.9	33
AgriGold	A6501VT2RIB	193.3	186.0	170.4	39	17.3	29
Mycogen	2Y744	193.2	—	—	35	15.0	26
Delta Grow	2888	192.8	182.1	165.6	49	16.7	33
NK	N78S	192.7	183.2	169.2	42	17.1	30
Dyna-Gro	D55VP77	192.4	181.2	169.8	41	16.2	29
AgriGold	A6573VT2RIB	192.3	167.8	—	34	15.1	32
Armor	A1616PRO2	192.1	—	—	43	16.1	31
Dekalb	DKC62-08	191.9	178.1	170.7	39	15.4	34
Steyer	11504GENSSRIBC	191.7	—	—	43	15.5	35
Armor	*AXC5117PRO2*	191.4	—	—	43	16.1	32
Steyer	11407VT2PRORIBC	191.1	180.7	168.7	35	16.5	32
Mycogen	2D848	190.4	—	—	57	18.4	29
Armor	*AXC5112SS*	189.8	—	—	46	15.4	32
AgriGold	A6574VT2PRO	189.5	—	—	40	16.3	31
Mycogen	2C786	188.5	184.8	181.4	45	15.3	31
Terral Seed	REV 26BHR50	188.1	171.2	160.3	41	17.4	25
Dyna-Gro	D57VP75	187.9	177.2	170.2	42	16.1	28
Mycogen	*X13813VH*	187.0	—	—	46	16.0	25
Dyna-Gro	D57DC58	185.6	—	—	40	16.1	30

[1]Hybrid in italics denotes an experimental entry.

Table 9 (continued). Results from 63 corn hybrids grown without irrigation on a Houston clay soil near Aberdeen, Monroe County, 2015.

Brand name	Hybrid number[1]	2015 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Armor	A0808PRO2RIB	185.0	—	—	43	14.4	33
AgriGold	A6687VT2PRO	181.5	172.6	173.6	41	16.4	32
Progeny Ag	PGY4117VT2P	177.6	175.2	—	52	16.3	29
Terral Seed	REV 25BHR26	172.5	—	—	41	15.8	27
Terral Seed	REV 22BHR43	171.9	—	—	42	15.8	26
Mean		198.1					
LSD		15.6					
Error df		186					
CV		6.8					
R^2		48.7					

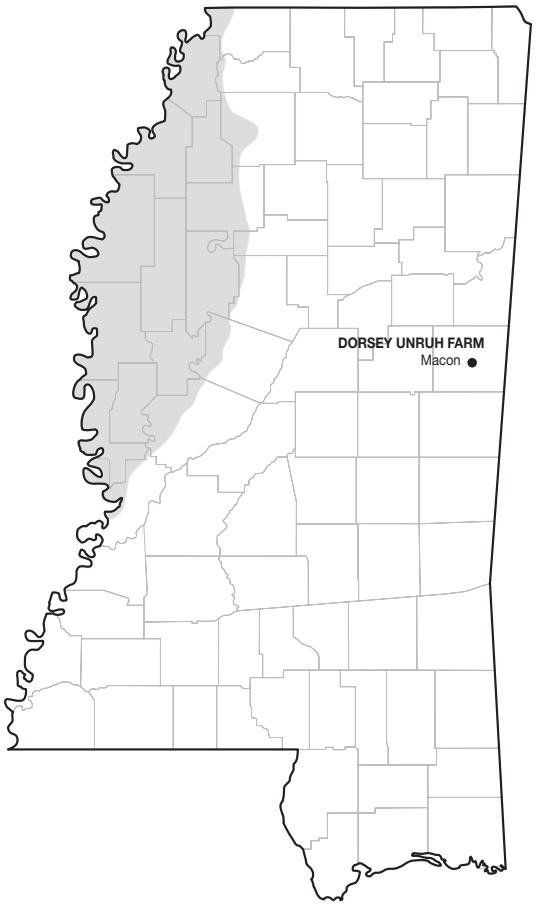
[1]Hybrid in italics denotes an experimental entry.

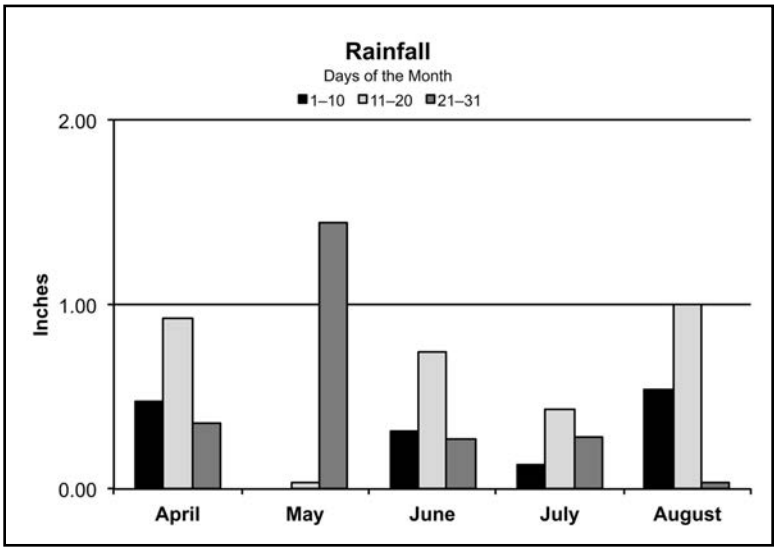
DORSEY UNRUH FARM, MACON

Crop Summary

The corn plots were planted on April 3 into a stale seedbed that had been prepared the previous fall. Soil conditions at planting were optimum for germination, and all plots quickly emerged to a good stand. The combination of timely irrigation and rainfall allowed for adequate soil moisture throughout the entire growing season. Harvest was completed in a timely manner, and good yields were observed at this location.

Soil type . . . . . .Vaiden silty clay
Soil pH 6.2
Soil fertility . . . . . .P=H, K=H
Fertilizer added . . . . . .Preplant — Poultry litter @ 2 tons/A and 0-0-60 @ 170 lb/A (fall applied)
Starter —10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2)
Sidedress — N @ 227 lb/A (32% UAN) on May 2
Herbicide applied . . . . . .Preemergence — Lexar @ 2 qt/A and Gramoxone @ 1 qt/A on April 3
Postemergence — HalexGT @ 3.6 pt/A and Atrazine @ 1 qt/A on May 5
Previous crop . . . . . .Wheat followed by double-crop soybean
Planting date . . . . . .April 3
Harvest date . . . . . .August 24
Irrigation dates . . . . . .Center-pivot irrigation on May 8, May 17, June 13, June 29, July 10, July 25, August 1





Rainfall Summary

	Inches
April	1.77
May	1.47
June	1.32
July	0.84
August	1.58
Total	6.98

Table 10. Results from 76 corn hybrids grown with center-pivot irrigation on a Vaiden silty clay soil near Macon, Noxubee County, 2015.

Brand name	Hybrid number[1]	2015 yield	2-year average	3-year average	Ear height	Stalk lodging	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	%	%	
Augusta	7768	273.0	267.4	262.7	46	5	18.7	32
AgVenture	Av336y	269.2	—	—	58	0	18.4	33
Dekalb	DKC68-26	262.0	—	—	48	2	16.6	32
Croplan	6640VT3PRO/RIB	259.9	254.9	257.1	52	13	16.0	35
Dyna-Gro	D57VP51	259.6	241.0	243.3	52	2	17.3	35
AgVenture	Av120y	259.4	—	—	56	0	16.3	34
AgVenture	Av016y	256.9	—	—	51	7	16.8	36
AgriGold	A6659VT2RIB	252.3	233.1	—	53	0	15.6	33
AgVenture	Av376y	252.2	—	—	53	4	17.5	33
Dekalb	DKC66-87	250.0	251.5	251.1	46	4	16.3	35
Dekalb	DKC67-14	249.7	—	—	46	2	17.4	32
Dekalb	DKC67-72	248.8	—	—	50	2	17.3	35
AgVenture	Av032y	246.8	—	—	61	0	18.6	31
Dekalb	DKC66-40	246.0	256.8	258.3	52	7	16.6	25
AgriGold	A6559VT2RIB	244.8	245.3	239.6	57	9	16.2	35
AgriGold	A6501VT2RIB	244.5	241.2	239.6	55	10	17.8	31
Mycogen	2D848	243.7	—	—	63	0	18.3	34
AgriGold	A6574VT2PRO	243.6	—	—	50	0	16.4	35
Dyna-Gro	D57VP75	243.3	241.1	245.0	62	12	17.2	34
Augusta	7767	242.9	249.4	—	52	0	17.3	35
Golden Acres	G6611	242.6	241.9	244.4	48	0	15.7	32
Terral Seed	REV 23BHR55	242.5	247.4	—	54	4	16.2	32
Progeny Ag	PGY4115VT2P	241.4	—	—	42	5	16.3	30
Terral Seed	REV 26BHR50	241.0	248.1	250.5	47	0	16.3	29
Great Heart Seed	HT-7741VT2PRIB	240.1	—	—	50	0	17.2	30
Croplan	7927VT3PRO/RIB	238.8	249.4	—	56	15	16.7	33
Armor	*AXC5117PRO2*	238.3	—	—	51	16	16.7	33
Terral Seed	REV 25BHR26	238.2	—	—	55	8	16.4	30
Augusta	7068	237.3	—	—	47	9	17.6	33
Dekalb	DKC66-59	237.0	—	—	54	9	15.6	30
NK	N78S	236.2	242.0	—	52	2	16.9	32
Mycogen	*X13726VH*	236.1	—	—	65	2	17.1	33
Augusta	8868	236.0	239.4	—	63	7	16.7	32
AgriGold	A6719 VT2PRO	235.2	237.8	—	59	6	16.9	33
Terral Seed	REV 28HR20	235.1	225.3	233.8	56	2	17.7	31
Armor	1414PRO2DG	234.7	240.7	—	56	18	16.7	31
Mycogen	2C797	234.5	240.1	—	66	0	16.8	36
Dyna-Gro	*CX15118*	234.4	—	—	49	14	16.5	34
Dekalb	DKC64-69	233.6	234.1	238.2	50	2	17.2	32
Dekalb	DKC66-97	233.4	244.2	242.5	38	0	16.8	34
Dyna-Gro	D55QC73	233.2	—	—	50	0	17.7	34
Dekalb	DKC62-08	233.1	231.1	232.5	52	0	16.3	33
AgriGold	A6711VT2PRO	232.7	—	—	51	6	17.1	33
NK	N83D	232.6	235.3	—	43	6	18.8	33
B-H Genetics	BH 8735VTTP	232.5	232.8	238.7	59	14	17.4	32
AgriGold	A6579STX	232.0	—	—	53	4	16.5	34
B-H Genetics	BH 8688DG2P	229.9	—	—	55	12	15.5	33
Steyer	11604 VT2PRORIBC	229.7	—	—	51	0	16.9	32
AgriGold	A6499VT2RIB	228.5	231.2	234.7	54	8	16.7	33
Armor	A1616PRO2	227.7	—	—	58	17	17.2	29
AgriGold	A6687VT2PRO	227.6	235.8	239.0	59	0	16.7	32
Dyna-Gro	D57DC58	225.6	—	—	52	19	13.8	34
Steyer	11702 3000GT	225.4	—	—	47	0	18.9	31
Armor	A1033PRO2	224.9	—	—	47	4	16.4	33
Great Heart Seed	HT-7381VT2PRIB	224.3	—	—	56	0	17.0	25
Terral Seed	REV 24BHR93	224.1	221.4	230.0	50	0	17.0	31
Dekalb	DKC65-71	223.7	—	—	39	15	16.5	37
Steyer	11504GENSSRIBC	223.1	—	—	49	10	16.4	32
Delta Grow	2888	223.0	233.8	233.2	54	2	18.0	33

[1]Hybrid in italics denotes an experimental entry.

Table 10 (continued). Results from 76 corn hybrids grown with center-pivot irrigation on a Vaiden silty clay soil near Macon, Noxubee County, 2015.

Brand name	Hybrid number[1]	2015 yield	2-year average	3-year average	Ear height	Stalk lodging	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	%	%	
Terral Seed	REV 22BHR43	221.7	228.5	233.3	44	0	16.4	31
Mycogen	*X13813VH*	221.5	—	—	56	0	16.8	32
Armor	A1621PRO2	221.2	229.1	—	49	0	16.3	31
Progeny Ag	*EXP16VT2P*	220.5	—	—	44	0	17.1	29
Armor	*AXC4119PRO2*	220.2	226.2	—	44	17	17.3	31
Dyna-Gro	D54DC94	219.7	—	—	48	18	16.7	36
Delta Grow	3660	219.1	231.0	234.5	40	0	18.8	32
Dyna-Gro	D55VP77	218.1	206.1	216.7	41	6	16.7	35
AgriGold	A6573VT2RIB	217.8	230.4	—	43	9	16.2	33
Progeny Ag	PGY4117VT2P	215.3	225.1	—	50	0	17.6	31
Progeny Ag	PGY5115VT2P	214.5	228.9	—	44	6	16.9	32
Golden Acres	26V21	214.1	211.0	219.4	46	2	15.5	33
Steyer	11407VT2PRORIBC	211.9	226.2	—	51	4	16.6	33
Great Heart Seed	HT-7778VT3PRIB	210.2	229.2	—	52	0	16.6	27
Armor	*AXC5112 SS*	204.9	—	—	52	8	16.3	32
Mycogen	2Y744	204.2	—	—	43	0	16.5	32
Armor	A0808PRO2RIB	203.5	—	—	48	0	15.5	32
Mean		234.0						
LSD		20.7						
Error df		225						
CV		7.6						
R^2		49.3						

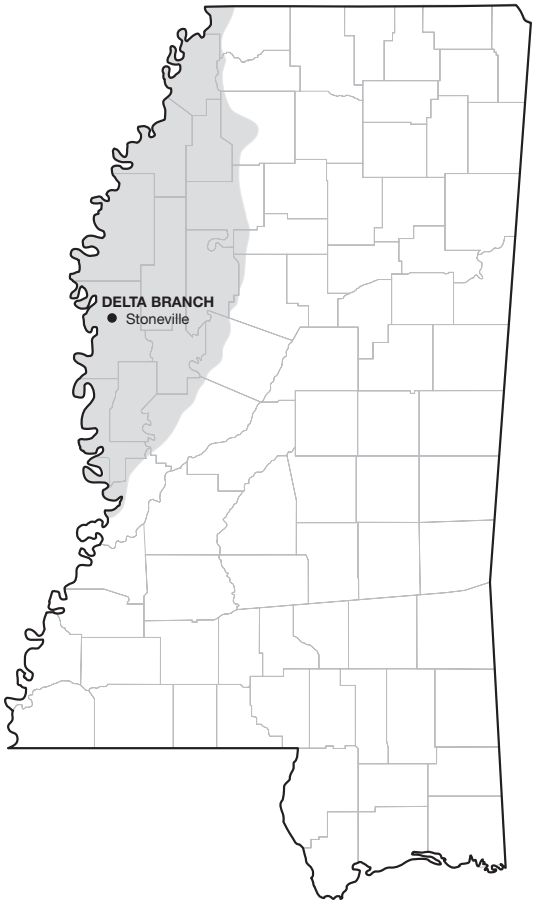
[1]Hybrid in italics denotes an experimental entry.

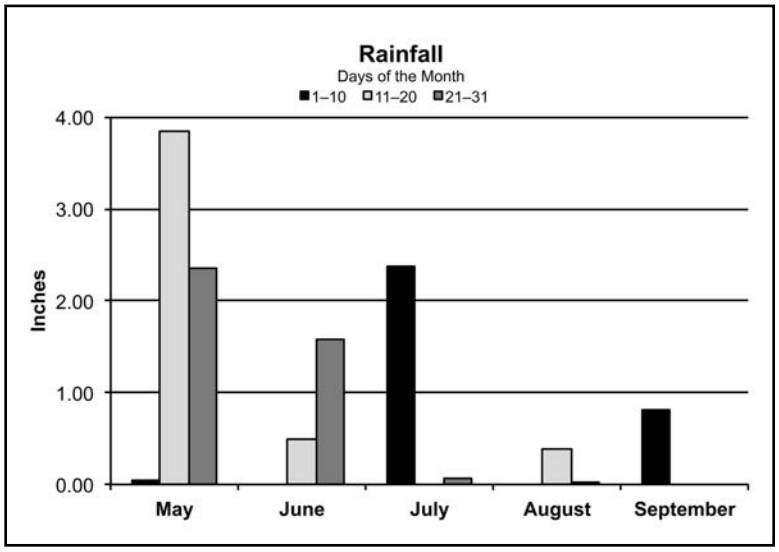
MAFES DELTA BRANCH, STONEVILLE (CLAY)

Crop Summary

Corn plots were planted into a stale seedbed with conditions favorable for germination during the first week of May. Frequent rainfall during the spring resulted in saturated soil conditions that delayed planting. After planting, all plots emerged to a good stand. The clay soil and May rains, along with the high temperatures, were the primary factors limiting yield. Harvest was completed in a timely manner without difficulties.

Soil type . . . . . .Sharkey clay
Soil pH 6.8
Soil fertility . . . . . .P=H, K=H
Fertilizer added . . . . . .Preplant — 12-22-22-3.7S @ 500 lb/A
Starter — 10-20-5-1S-0.43Zn @ 20 gal/A
Sidedress — N @ 250 lb/A (32% UAN) on May 5
Herbicide applied . . . . . .Preemergence — Lexar @ 3 qt/A and Gramoxone @ 1 qt/A on May 5
Previous crop . . . . . .Soybean
Planting date . . . . . .May 5
Harvest date . . . . . .September 14
Irrigation . . . . . .June 24, July 15, July 28





Rainfall Summary

	Inches
May	6.25
June	2.08
July	2.43
August	0.41
September	0.82
Total	11.99

Table 11. Results from 76 corn hybrids grown with furrow irrigation on a Sharkey clay soil at MAFES Delta Branch, Stoneville, 2015.

Brand name	Hybrid number[1]	2015 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Augusta	7768	189.1	211.3	205.1	32	15.7	32
AgriGold	A6711VT2PRO	182.6	—	—	37	14.3	30
Armor	*AXC4119PRO2*	180.7	200.0	—	43	14.4	32
Dyna-Gro	D57VP51	179.8	198.2	197.9	30	14.1	33
Augusta Seed	7068	179.2	—	—	47	14.4	34
AgVenture	Av016y	178.4	—	—	45	15.2	33
AgriGold	A6573VT2RIB	177.5	187.1	—	41	13.7	31
AgriGold	A6579STX	175.0	—	—	—	14.6	34
AgVenture	Av336y	174.7	—	—	42	14.8	33
Mycogen	2C797	174.0	188.0	—	40	13.7	33
Augusta	7767	173.8	193.2	—	53	14.0	32
Progeny Ag	PGY4115VT2P	173.5	—	—	38	14.4	33
AgriGold	A6659VT2RIB	172.8	183.6	—	41	13.7	33
Armor	*AXC5112 SS*	172.6	—	—	49	13.8	33
AgriGold	A6687VT2PRO	171.5	188.0	189.4	40	14.1	33
Great Heart Seed	HT-7741VT2PRIB	170.2	—	—	46	14.6	32
B-H Genetics	BH 8735VTTP	169.0	199.6	198.1	50	14.8	33
Dyna-Gro	*CX15118*	166.0	—	—	40	14.5	33
AgriGold	A6719VT2PRO	165.6	194.0	—	52	14.9	33
Dyna-Gro	D57VP75	165.0	188.7	188.2	38	14.7	34
AgVenture	Av120y	164.2	—	—	48	14.0	33
Mycogen	*X13726VH*	163.6	—	—	42	16.0	32
Progeny Ag	*EXP16VT2P*	163.4	—	—	41	14.0	31
Armor	A0808PRO2RIB	163.1	—	—	42	13.1	32
Armor	A1621PRO2	163.0	175.5	—	43	13.9	32
Mycogen	2D848	162.4	—	—	40	16.2	32
Dyna-Gro	D55VP77	161.9	174.6	173.5	31	14.0	34
AgVenture	Av376y	160.9	—	—	35	14.4	32
AgriGold	A6501VT2RIB	160.5	173.9	170.5	32	14.7	31
Great Heart Seed	HT-7778VT3PRIB	159.8	196.4	—	38	14.4	33
Delta Grow	3660	159.7	193.6	186.5	42	14.9	32
Dyna-Gro	D57DC58	159.7	—	—	43	14.4	29
NK	N78S	159.6	178.0	—	36	14.8	32
Dekalb	DKC67-72	159.6	—	—	41	14.0	31
Augusta	8868	159.5	189.9	—	50	14.2	33
AgriGold	A6499VT2RIB	159.2	169.2	172.4	38	14.2	31
Dekalb	DKC66-87	158.2	187.8	189.1	44	13.9	31
Armor	*AXC5117PRO2*	157.8	—	—	39	14.2	31
Croplan	6640VT3PRO/RIB	157.5	191.5	190.6	40	14.2	33
B-H Genetics	BH 8688DG2P	156.0	—	—	44	14.7	29
Mycogen	2Y744	155.9	—	—	34	13.6	32
Armor	1414PRO2DG	155.6	178.5	—	40	14.7	34
Dekalb	DKC64-69	155.5	187.2	174.8	38	14.2	32
Great Heart Seed	HT-7381VT2PRIB	155.4	—	—	36	14.8	32
Delta Grow	2888	155.2	179.1	181.7	44	14.6	32
Progeny Ag	PGY5115VT2P	153.1	173.3	—	34	13.8	32
Golden Acres	G6611	152.0	177.5	178.5	37	14.0	32
Dekalb	DKC66-97	151.5	181.4	184.2	38	14.2	32
Terral Seed	REV 26BHR50	150.9	185.8	178.5	44	14.6	32
Terral Seed	REV 28HR20	150.8	184.0	180.1	51	14.2	33
Golden Acres	26V21	150.6	174.2	177.3	48	14.4	31
Croplan	7927VT3PRO/RIB	150.0	188.1	—	45	14.6	33
Dekalb	DKC67-14	149.8	—	—	38	14.2	35
AgriGold	A6574VT2PRO	149.7	—	—	49	14.3	33
Armor	A1033PRO2	149.4	—	—	39	13.5	32
Terral Seed	REV 24BHR93	148.1	184.0	189.5	42	14.3	31
Progeny Ag	PGY4117VT2P	147.9	166.1	—	44	14.1	33
AgVenture	Av032y	147.4	—	—	51	15.5	33
Terral Seed	REV 23BHR55	147.3	180.0	—	44	13.6	32

[1]Hybrid in italics denotes an experimental entry.

Table 11 (continued). Results from 76 corn hybrids grown with furrow irrigation on a Sharkey clay soil at MAFES Delta Branch, Stoneville, 2015.

Brand name	Hybrid number[1]	2015 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Steyer	117023000GT	146.9	—	—	39	15.3	32
Terral Seed	REV 22BHR43	146.8	164.9	168.0	43	13.7	31
NK	N83D	146.0	175.2	—	54	14.5	33
Armor	A1616PRO2	145.9	—	—	40	14.0	33
Steyer	11604VT2PRORIBC	145.6	—	—	36	14.0	32
Steyer	11407VT2PRORIBC	145.0	175.6	—	31	14.0	32
Steyer	11504GENSSRIBC	144.9	—	—	42	13.9	32
AgriGold	A6559VT2RIB	144.8	165.7	169.1	37	14.6	33
Terral Seed	REV 25BHR26	143.4	—	—	43	13.6	31
Dyna-Gro	D54DC94	141.7	—	—	42	14.6	31
Dyna-Gro	D55QC73	140.9	—	—	43	14.2	30
Dekalb	DKC66-40	139.8	178.2	179.9	42	14.6	31
Dekalb	DKC66-59	136.4	—	—	37	15.2	32
Dekalb	DKC62-08	135.5	174.4	172.5	40	13.8	32
Dekalb	DKC68-26	132.7	—	—	40	14.1	31
Dekalb	DKC65-71	125.8	—	—	48	13.8	32
Mycogen	*X13813VH*	124.8	—	—	45	14.2	32
Mean		157.4					
LSD		19					
Error df		225					
CV		10.3					
R^2		68.5					

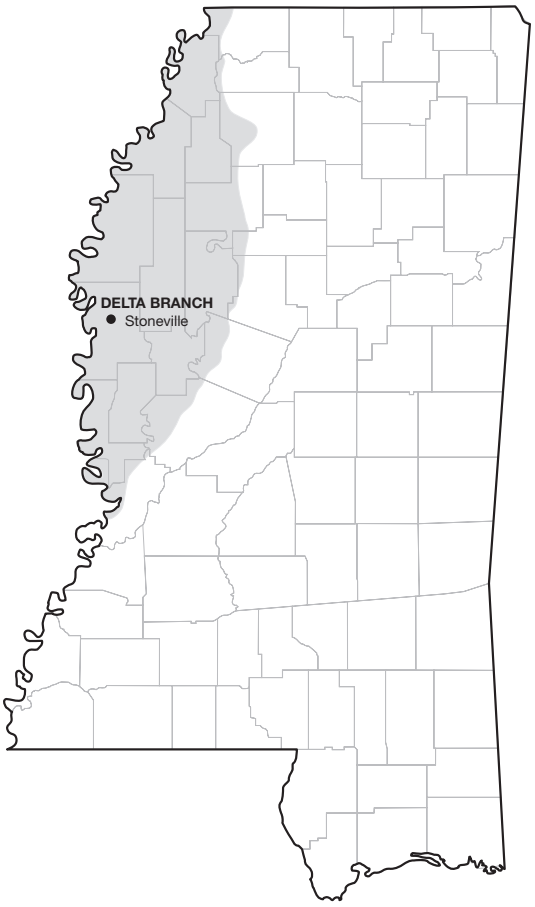
[1]Hybrid in italics denotes an experimental entry.

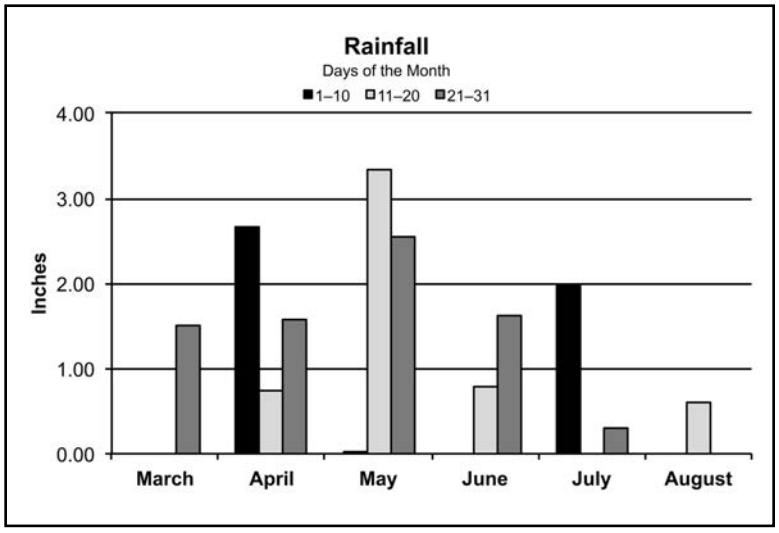
MAFES DELTA BRANCH, STONEVILLE (LOAM)

Crop Summary

Corn plots were planted into a field that had been freshly disked, hipped, and do-alled. Soil conditions at planting were perfect for germination. All plots quickly emerged to a good stand. The combination of rainfall and timely irrigation allowed for ample soil moisture throughout the growing season. Plots were harvested in a timely manner, and excellent yields were observed.

Soil type . . . . . .**Bosket very fine sandy loam**
Soil pH **6.2**
Soil fertility . . . . . .**P=H, K=H**
Fertilizer added . . . . . .**Preplant — 12-22-22-3.7S @ 500 lb/A**
Starter — 10-20-5-1S-0.43ZN @ 20 gal/A (applied 2x2)
Sidedress — N @ 150 lb/A (32% UAN) on April 16 and N @ 100 lb/A (32% UAN) on May 5
Herbicide applied . . . . . .**Preemergence — Lexar @ 2 qt/A on March 27**
Postemergence — Roundup PowerMAX @ 1 qt/A, Callisto @ 3 oz/A, and Atrazine @ 8 oz/A on May 13
Previous crop . . . . . .**Soybean**
Planting date . . . . . .**March 27**
Harvest date . . . . . .**August 19**
Irrigation . . . . . .**June 1, June 12, July 16, July 23**





Rainfall Summary

	Inches
March	1.51
April	4.97
May	5.90
June	2.41
July	2.26
August	0.60
Total	17.65

Table 12. Results from 76 corn hybrids grown with furrow irrigation on a Bosket very fine sandy loam soil at the MAFES Delta Branch Station, Stoneville, 2015.

Brand name	Hybrid number[1]	2015 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Augusta	7768	283.6	278.1	259.9	41	18.5	33
AgVenture	Av016y	281.1	—	—	49	17.3	34
Terral Seed	REV 25BHR26	278.5	—	—	45	15.7	30
Dyna-Gro	D57VP75	278.0	267.3	259.1	44	16.4	33
AgVenture	Av120y	277.8	—	—	59	15.9	32
Dyna-Gro	D54DC94	275.3	—	—	45	16.4	32
Dekalb	DKC66-87	272.8	265.2	256.2	44	16.0	33
B-H Genetics	BH 8688DG2P	272.7	—	—	52	16.3	32
Terral Seed	REV 23BHR55	272.7	269.9	—	40	15.4	31
AgVenture	Av376y	272.0	—	—	41	18.6	31
AgVenture	Av032y	270.1	—	—	45	19.7	31
Terral Seed	REV 26BHR50	269.8	269.3	254.9	45	15.9	29
Terral Seed	REV 28HR20	269.4	277.7	264.7	43	17.0	31
B-H Genetics	BH 8735VTTP	266.5	271.3	259.5	52	17.4	32
Armor	*AXC5117PRO2*	266.2	—	—	42	16.3	33
Croplan	7927VT3PRO/RIB	265.8	267.0	—	43	16.6	32
AgVenture	Av336y	264.6	—	—	37	18.6	31
AgriGold	A6574VT2PRO	264.2	—	—	49	16.2	34
AgriGold	A6659VT2RIB	264.2	250.1	—	48	15.7	32
AgriGold	A6687VT2PRO	263.1	255.3	251.9	42	16.0	33
Armor	1414PRO2DG	262.4	253.0	—	45	16.5	31
Augusta	8868	262.3	268.2	—	47	16.1	30
Dekalb	DKC67-14	261.6	—	—	41	16.2	33
Mycogen	2D848	259.7	—	—	42	18.7	34
NK	N78S	259.1	260.1	—	51	17.0	32
Dekalb	DKC66-40	258.7	265.5	256.7	43	16.0	34
Mycogen	*X13726VH*	258.3	—	—	44	17.0	33
Great Heart Seed	HT-7381VT2PRIB	258.2	—	—	49	17.1	33
Dyna-Gro	*CX15118*	257.2	—	—	38	16.1	34
Great Heart Seed	HT-7741VT2PRIB	256.8	—	—	47	16.3	31
AgriGold	A6579STX	256.6	—	—	51	16.1	34
Croplan	6640VT3PRO/RIB	254.8	263.2	261.1	47	16.5	35
Dyna-Gro	D57VP51	254.7	249.1	244.2	46	15.7	34
AgriGold	A6501VT2RIB	254.6	238.3	230.7	40	17.6	30
Dyna-Gro	D55QC73	254.5	—	—	46	16.7	32
Dyna-Gro	D55VP77	254.0	251.2	248.6	36	16.3	35
Dekalb	DKC66-97	251.6	241.7	243.8	38	15.4	33
AgriGold	A6719VT2PRO	249.8	246.4	—	46	17.0	33
Dekalb	DKC62-08	249.8	251.1	242.6	44	16.0	34
Golden Acres	G6611	249.4	252.0	241.3	41	16.0	34
Dekalb	DKC64-69	249.4	250.7	236.5	42	16.0	32
Dekalb	DKC66-59	248.7	—	—	44	18.4	31
AgriGold	A6499VT2RIB	247.7	240.8	234.7	40	16.2	34
Progeny Ag	PGY4115VT2P	247.0	—	—	41	17.8	32
Dekalb	DKC65-71	247.0	—	—	39	15.9	35
Dekalb	DKC68-26	246.0	—	—	39	16.6	32
Augusta	7767	245.4	251.1	—	40	16.6	35
AgriGold	A6711VT2PRO	244.5	—	—	42	16.1	32
AgriGold	A6559VT2RIB	244.2	243.5	233.4	45	15.6	32
Golden Acres	26V21	243.9	235.0	236.5	45	17.5	34
Augusta	7068	243.6	—	—	42	17.0	33
Steyer	11604VT2PRORIBC	243.3	—	—	38	16.3	33
Armor	A1621PRO2	242.7	235.9	—	39	16.6	29
Steyer	11407VT2PRORIBC	242.7	260.9	—	37	16.3	32
Armor	*AXC4119PRO2*	241.7	233.0	—	41	17.6	33
Mycogen	*X13813VH*	241.7	—	—	40	15.9	31
Delta Grow	3660	238.9	251.6	248.4	41	18.2	30
Great Heart Seed	HT-7778VT3PRIB	237.5	253.1	—	40	16.2	27
NK	N83D	237.5	235.3	—	41	18.7	33

[1]Hybrid in italics denotes an experimental entry.

Table 12 (continued). Results from 76 corn hybrids grown with furrow irrigation on a Bosket very fine sandy loam soil at the MAFES Delta Branch Station, Stoneville, 2015.

Brand name	Hybrid number[1]	2015 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Terral Seed	REV 24BHR93	236.4	245.9	248.7	39	16.3	28
Dekalb	DKC67-72	236.2	—	—	44	16.2	35
Progeny Ag	PGY4117VT2P	236.1	242.0	—	40	16.0	28
AgriGold	A6573VT2RIB	235.4	229.5	—	35	15.3	33
Steyer	11504GENSSRIBC	234.9	—	—	41	15.7	33
Progeny Ag	PGY5115VT2P	234.3	239.9	—	32	16.4	32
Steyer	117023000GT	233.6	—	—	35	18.1	29
Armor	A1616PRO2	232.2	—	—	39	16.1	30
Progeny Ag	*EXP16VT2P*	231.1	—	—	33	15.8	32
Dyna-Gro	D57DC58	229.7	—	—	42	16.8	33
Armor	*AXC5112 SS*	229.4	—	—	39	15.3	30
Armor	A0808PRO2RIB	228.9	—	—	34	14.3	32
Mycogen	2C797	227.0	230.7	—	38	16.1	32
Delta Grow	2888	226.1	233.5	234.2	41	16.6	33
Armor	A1033PRO2	224.1	—	—	40	15.6	35
Terral Seed	REV 22BHR43	223.4	233.9	240.7	46	15.5	29
Mycogen	2Y744	187.4	—	—	37	14.7	31
Mean		251					
LSD		14.87					
Error df		225					
CV		5					
R^2		71.3					

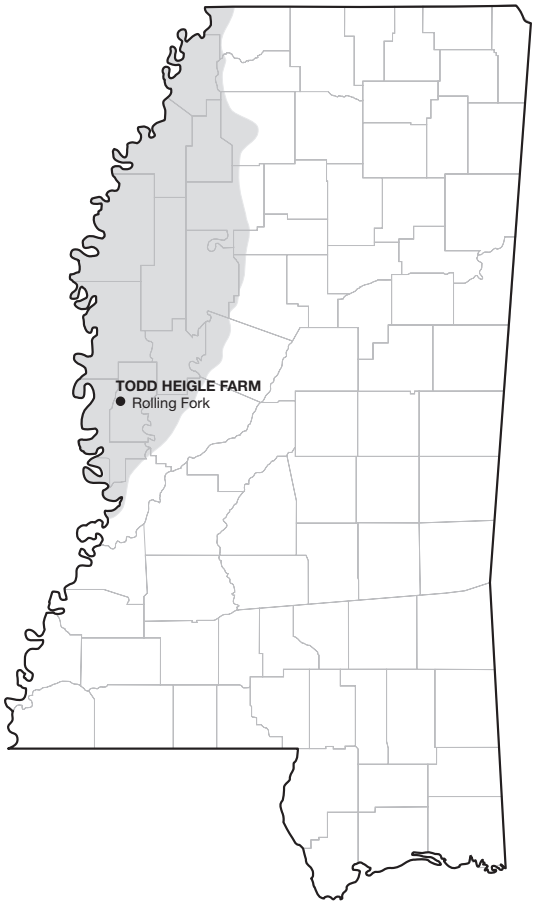
[1]Hybrid in italics denotes an experimental entry.

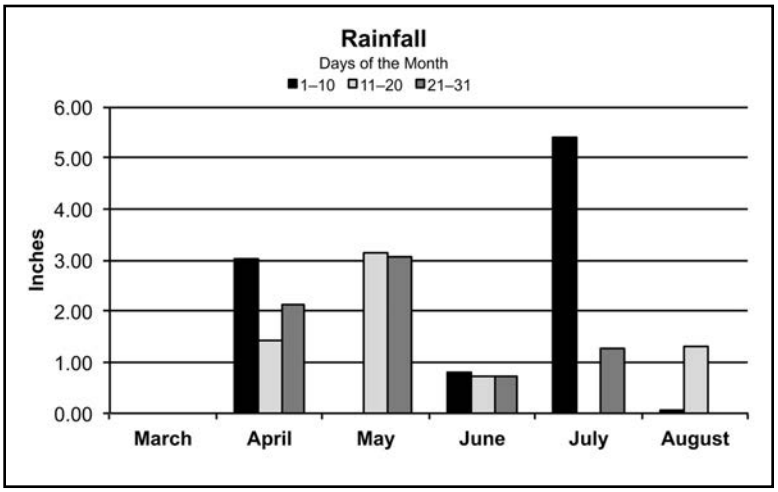
TODD HEIGLE FARM, ROLLING FORK

Crop Summary

Corn plots were planted into a stale seedbed with soil moisture optimum for germination. All plots quickly emerged to a good stand. Ample rainfall and timely irrigation supplied sufficient soil moisture throughout the growing season. Harvest was completed in a timely manner without difficulties.

Soil type . . . . . .Commerce very fine sandy loam
Soil pH 6.2
Soil fertility . . . . . .P=H, K=H
Fertilizer added . . . . . .Starter — 10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2)
Topdress — 41-0-0-4S @ 610 lb/A (applied as a split application)
Herbicide applied . . . . . .Postemergence — Corvus @ 4 oz/A and Atrazine @ 1.5 qt/A
Previous crop . . . . . .Soybean
Planting date . . . . . .March 31
Harvest date . . . . . .August 18
Irrigation . . . . . .Furrow irrigated as needed





Rainfall Summary

	Inches
March	0.00
April	6.59
May	6.18
June	2.27
July	6.68
August	1.38
Total	23.10

Table 13. Results from 76 corn hybrids grown with furrow irrigation on a Commerce silty clay loam soil near Rolling Fork, 2015.

Brand name	Hybrid number[1]	2015 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Terral Seed	REV 28HR20	262.0	247.5	232.9	41	15.6	32
AgVenture	Av016y	258.3	—	—	43	16.4	36
AgVenture	Av336y	256.6	—	—	34	16.4	33
Dyna-Gro	D54DC94	255.4	—	—	41	15.0	34
AgVenture	Av120y	255.0	—	—	43	14.5	33
Augusta	8868	252.9	251.7	—	46	15.0	33
Dyna-Gro	D57VP75	252.1	261.8	245.2	41	14.8	34
Augusta	7768	251.3	264.2	242.1	42	16.8	34
AgriGold	A6659VT2RIB	249.4	234.4	—	39	15.1	34
Armor	*AXC5117PRO2*	248.6	—	—	37	15.2	33
AgVenture	Av032y	245.6	—	—	41	17.6	34
Terral Seed	REV 25BHR26	245.0	—	—	40	14.8	31
AgriGold	A6574VT2PRO	244.8	—	—	36	14.9	35
Terral Seed	REV 23BHR55	244.3	250.7	—	32	14.4	30
B-H Genetics	BH 8735VTTP	244.2	245.0	234.6	50	15.4	33
Dyna-Gro	D57VP51	243.2	231.0	228.0	40	14.9	34
Augusta	7068	243.2	—	—	40	16.0	34
Mycogen	*X13726VH*	240.5	—	—	47	15.6	35
Dekalb	DKC67-14	240.1	—	—	33	14.9	35
B-H Genetics	BH 8688DG2P	239.2	—	—	43	14.9	33
Mycogen	2D848	239.1	—	—	45	17.3	34
Terral Seed	REV 26BHR50	239.1	259.7	238.1	40	16.3	31
Armor	1414PRO2DG	239.1	245.5	—	37	15.1	33
Dyna-Gro	*CX15118*	237.7	—	—	34	14.9	33
AgriGold	A6719VT2PRO	237.1	240.8	—	48	15.1	34
Dekalb	DKC68-26	236.8	—	—	33	14.8	32
Croplan	7927VT3PRO/RIB	236.4	251.1	—	46	15.0	33
Great Heart Seed	HT-7741VT2PRIB	234.5	—	—	43	15.0	32
Dekalb	DKC66-40	234.4	231.7	220.9	36	15.2	32
Dekalb	DKC66-87	234.0	246.3	230.5	36	14.9	34
AgVenture	Av376y	233.5	—	—	40	15.8	32
Great Heart Seed	HT-7381VT2PRIB	232.4	—	—	39	15.4	32
Dyna-Gro	D55QC73	231.3	—	—	35	15.1	32
AgriGold	A6501VT2RIB	230.5	232.5	220.0	36	16.1	32
Armor	A1621PRO2	230.0	239.7	—	40	14.9	32
Dyna-Gro	D55VP77	229.8	234.9	219.0	37	15.1	35
AgriGold	A6499 VT2RIB	228.9	231.9	220.9	36	15.2	35
Steyer	11407VT2PRORIBC	228.0	224.7	—	36	15.1	33
Croplan	6640VT3PRO/RIB	227.7	243.6	232.9	35	15.3	35
Golden Acres	26V21	227.4	224.0	211.8	33	15.8	31
AgriGold	A6687VT2PRO	226.3	237.7	224.7	46	15.0	31
Dekalb	DKC66-59	226.1	—	—	42	16.5	32
Progeny Ag	PGY4115VT2P	226.0	—	—	31	16.4	35
Dekalb	DKC64-69	225.7	233.1	220.4	35	15.4	32
Terral Seed	REV 24BHR93	225.1	246.9	229.8	31	15.3	31
AgriGold	A6559VT2RIB	225.0	225.5	220.3	37	14.5	33
Dekalb	DKC62-08	224.8	223.4	218.0	41	14.5	35
Steyer	117023000GT	224.7	—	—	32	16.7	31
Mycogen	*X13813VH*	224.5	—	—	39	14.7	34
Great Heart Seed	HT-7778VT3PRIB	224.1	246.3	—	36	15.0	32
Steyer	11604VT2PRORIBC	223.9	—	—	36	14.8	32
NK	N78S	223.8	235.4	—	40	15.9	33
AgriGold	A6711VT2PRO	221.8	—	—	34	15.2	33
Armor	*AXC4119PRO2*	220.9	231.8	—	41	15.6	32
AgriGold	A6579STX	220.6	—	—	39	14.9	34
Augusta	7767	220.2	224.3	—	32	14.7	35
NK	N83D	216.6	225.9	—	37	16.7	33
Progeny Ag	PGY4117 VT2P	216.1	234.2	—	38	15.1	35
Mycogen	2C797	215.2	228.5	—	44	14.7	35

[1]Hybrid in italics denotes an experimental entry.

Table 13 (continued). Results from 76 corn hybrids grown with furrow irrigation on a Commerce silty clay loam soil near Rolling Fork, 2015.

Brand name	Hybrid number[1]	2015 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Progeny Ag	PGY5115VT2P	214.8	225.0	—	33	15.2	32
Steyer	11504GENSSRIBC	214.1	—	—	38	14.9	33
Delta Grow	3660	210.8	219.7	212.8	39	16.1	30
Golden Acres	G6611	210.8	232.9	222.1	30	14.9	33
Armor	A1616PRO2	210.6	—	—	41	14.8	30
Armor	A0808PRO2RIB	210.3	—	—	40	14.2	35
Dekalb	DKC66-97	208.9	224.7	224.6	30	14.8	34
Dyna-Gro	D57DC58	206.0	—	—	37	15.9	34
Terral Seed	REV 22BHR43	205.1	221.4	219.2	39	14.9	31
Dekalb	DKC67-72	203.5	—	—	32	15.1	34
Dekalb	DKC65-71	202.6	—	—	35	14.8	34
AgriGold	A6573VT2RIB	201.2	213.7	—	28	14.4	32
Delta Grow	2888	200.5	224.7	205.8	37	15.4	33
Progeny Ag	*EXP16VT2P*	200.4	—	—	37	14.8	32
Armor	*AXC5112 SS*	195.6	—	—	36	14.9	33
Armor	A1033PRO2	192.9	—	—	33	14.8	34
Mycogen	2Y744	184.8	—	—	32	14.1	31
Mean		228.2					
LSD		16.3					
Error df		225					
CV		6.1					
R^2		66.7					

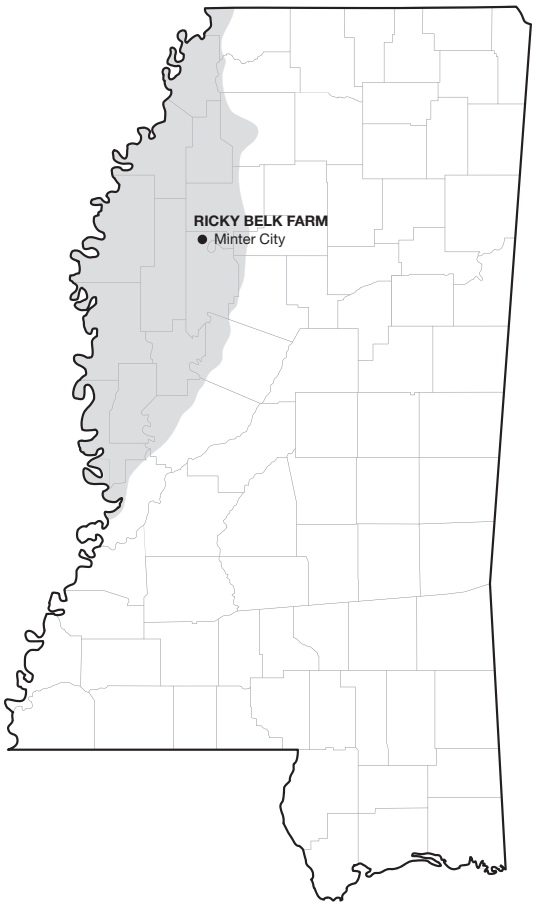
[1]Hybrid in italics denotes an experimental entry.

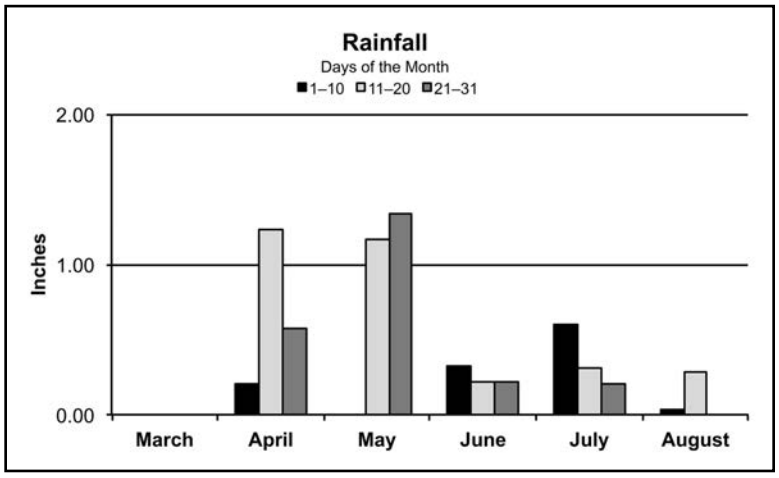
RICKY BELK FARM, MINTER CITY

Crop Summary

Corn plots were planted on March 20 into a stale seedbed with favorable conditions for planting and germination. Heavy rains and cool weather in the weeks after planting slowed emergence considerably. These weather conditions resulted in stands that were less than desirable, but they were suitable. The remainder of the growing season after emergence was very favorable for corn production. As a result, good yields were achieved, and harvest was completed without any difficulties.

Soil type . . . . . .**Dubbs and Dundee silt loam**
Soil pH **6.4**
Soil fertility . . . . . .**P=H, K=H**
Fertilizer added . . . . . .**Preplant — Urea @ 100 lb/A**
Starter — 10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2)
Topdress — Urea @ 500 lb/A (five applications at 10-day intervals beginning at emergence)
Herbicide applied . . . . . .**Preemergence — Lexar @ 2 qt/A on March 31**
Postemergence — Capreno @ 3 oz/A, Atrazine @ 1 qt/A, and Roundup PowerMAX @ 1.5 pt/A
Previous crop . . . . . .**Corn**
Planting date . . . . . .**March 31**
Harvest date . . . . . .**August 17**
Irrigation . . . . . .**Furrow irrigated as needed**





Rainfall Summary

	Inches
March	0.00
April	2.01
May	2.51
June	0.76
July	1.12
August	0.32
Total	6.72

Table 14. Results from 76 corn hybrids grown with furrow irrigation on a Dubs and Dundee silt loam soil near Minter City, 2015.

Brand name	Hybrid number[1]	2015 yield	2-year average	3-year average	Ear height	Stalk lodging	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*%*	
Augusta	7768	248.9	259.1	246.8	42	4	18.6	33
Terral Seed	REV 26BHR50	245.0	249.0	234.0	36	0	17.4	29
AgVenture	Av336y	244.8	—	—	45	2	17.6	32
Dyna-Gro	D57VP75	238.3	250.1	234.6	44	0	15.6	33
Armor	1414PRO2DG	236.5	249.1	—	46	0	15.1	32
Dekalb	DKC68-26	236.0	—	—	35	0	14.5	32
AgVenture	Av120y	235.1	—	—	38	0	14.6	32
Terral Seed	REV 25BHR26	234.2	—	—	43	0	14.7	29
Terral Seed	REV 23BHR55	234.0	241.1	—	36	0	14.2	31
Augusta	8868	233.7	241.1	—	45	0	15.4	31
Dyna-Gro	D54DC94	233.7	—	—	45	0	15.1	35
B-H Genetics	BH 8688DG2P	233.3	—	—	42	6	15.5	31
Dyna-Gro	D57VP51	232.9	236.5	218.7	39	0	14.9	35
Croplan	7927VT3PRO/RIB	231.0	254.9	—	40	2	15.4	33
Progeny Ag	PGY4115VT2P	230.5	—	—	39	0	16.3	33
AgriGold	A6659VT2RIB	228.8	230.2	—	39	0	15.1	33
Mycogen	2D848	228.5	—	—	43	0	18.5	33
Dekalb	DKC66-87	228.0	243.7	232.9	38	0	14.5	34
Terral Seed	REV 28HR20	224.7	240.7	217.3	37	0	17.0	32
Great Heart Seed	HT-7778VT3PRIB	224.3	242.9	—	41	2	15.5	28
AgVenture	Av376y	222.3	—	—	45	0	17.6	33
AgriGold	A6687VT2PRO	222.0	238.5	229.8	44	0	14.6	32
Delta Grow	2888	221.7	237.3	216.6	39	0	16.6	34
Augusta	7068	221.4	—	—	45	7	15.4	32
B-H Genetics	BH 8735VTTP	220.1	239.1	221.8	46	5	15.5	32
Steyer	11604VT2PRORIBC	220.1	—	—	42	0	15.0	32
Dekalb	DKC66-40	219.7	241.8	237.7	38	0	14.9	31
Armor	*AXC5117PRO2*	219.5	—	—	40	0	15.4	32
Golden Acres	26V21	219.4	202.7	210.9	35	0	17.2	33
Dekalb	DKC66-97	219.1	236.2	230.7	32	0	14.3	34
Great Heart Seed	HT-7381VT2PRIB	219.0	—	—	50	0	15.4	33
AgVenture	Av016y	219.0	—	—	44	0	17.2	35
Dekalb	DKC67-14	218.6	—	—	41	0	15.2	33
Dyna-Gro	D55QC73	217.4	—	—	44	0	16.8	33
Dekalb	DKC62-08	217.2	228.0	223.1	43	0	14.6	35
AgriGold	A6574VT2PRO	217.0	—	—	36	0	14.3	34
Augusta	7767	215.7	225.5	—	39	0	15.5	34
Dekalb	DKC66-59	215.6	—	—	39	0	17.5	31
Terral Seed	REV 24BHR93	215.3	231.5	219.1	37	0	16.0	29
AgriGold	A6501VT2RIB	212.9	222.2	224.4	34	0	16.1	31
AgriGold	A6719 VT2PRO	212.2	228.8	—	43	0	15.3	32
Armor	*AXC4119PRO2*	211.9	224.6	—	40	0	15.8	33
Dekalb	DKC64-69	211.8	223.9	215.6	44	0	14.5	32
AgriGold	A6579STX	211.5	—	—	40	2	15.4	35
Dyna-Gro	*CX15118*	211.4	—	—	38	0	14.5	35
Mycogen	2C797	209.5	214.9	—	41	0	14.2	33
Croplan	6640VT3PRO/RIB	208.9	229.4	226.3	40	2	14.5	36
NK	N78S	207.9	215.9	—	39	0	16.0	30
Mycogen	*X13726VH*	207.7	—	—	53	0	15.5	34
Armor	A1621PRO2	207.6	219.2	—	40	0	15.0	31
Dekalb	DKC65-71	206.8	—	—	38	0	14.4	36
Mycogen	*X13813VH*	206.5	—	—	43	0	15.6	33
Golden Acres	G6611	206.3	227.2	222.6	41	0	14.5	34
Great Heart Seed	HT-7741VT2PRIB	206.3	—	—	41	0	14.9	30
Steyer	11407VT2PRORIBC	206.2	236.1	—	42	0	14.7	32
Progeny Ag	*EXP16VT2P*	205.7	—	—	36	0	14.3	30
Dyna-Gro	D57DC58	204.4	—	—	37	0	15.5	35
AgriGold	A6499 VT2RIB	204.1	222.7	213.0	37	0	14.3	35
Steyer	117023000GT	203.7	—	—	36	0	17.1	30

[1]Hybrid in italics denotes an experimental entry.

Table 14 (continued). Results from 76 corn hybrids grown with furrow irrigation on a Dubs and Dundee silt loam soil near Minter City, 2015.

Brand name	Hybrid number[1]	2015 yield	2-year average	3-year average	Ear height	Stalk lodging	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*%*	
Dekalb	DKC67-72	202.4	—	—	37	0	14.6	35
AgVenture	Av032y	202.2	—	—	50	0	17.9	33
NK	N83D	201.7	215.3	—	39	0	18.1	31
Progeny Ag	PGY5115VT2P	201.3	211.2	—	33	0	14.6	31
Terral Seed	REV 22BHR43	201.0	206.8	212.0	35	0	14.6	29
AgriGold	A6711VT2PRO	200.5	—	—	37	5	14.7	33
Progeny Ag	PGY4117 VT2P	200.4	218.7	—	42	0	15.3	33
Steyer	11504GENSSRIBC	199.9	—	—	35	6	14.0	32
Armor	*AXC5112 SS*	199.5	—	—	36	0	14.6	33
AgriGold	A6559VT2RIB	199.3	214.8	221.4	35	0	13.8	33
Armor	A0808PRO2RIB	197.8	—	—	39	0	13.3	31
Delta Grow	3660	196.5	205.8	214.2	35	0	15.3	29
Armor	A1616PRO2	195.5	—	—	43	0	15.2	32
Dyna-Gro	D55VP77	192.3	212.3	204.1	32	0	14.4	33
AgriGold	A6573VT2RIB	190.8	199.3	—	35	0	13.6	33
Armor	A1033PRO2	184.4	—	—	31	0	13.5	34
Mycogen	2Y744	170.8	—	—	30	0	13.5	31
Mean		215						
LSD		15.7						
Error df		225						
CV		6.3						
R^2		62.6						

[1]Hybrid in italics denotes an experimental entry.

RAYMOND

Data Not Reported Due to Poor Stand

Corn harvest data and hybrid yield performance are not published from the trial planted at the Brown Loam Branch Experiment Station near Raymond due to substantial stand issues. Poor stands and substantial variability were created by temporary flooding and soil saturation resulting from abundant rainfall that occurred in the weeks after planting but before emergence.

HERNANDO

Data Not Reported Due to Wildlife Predation

Corn harvest data and hybrid yield performance are not published from the trial planted at Clifton Farms, near Hernando, due to the devastation of some plots caused by wildlife predation. The result of these animals' feeding reduced the yield potential of multiple varieties by actually consuming the grain, as well as breaking off plants or causing them to lodge so much that they could not be harvested. Harvest was completed, and the statistics indicated a high number of abnormally low yield data. This information did not allow for a fair comparison among hybrids because some hybrids' yield potential was greatly diminished due to the wildlife feeding preference.

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