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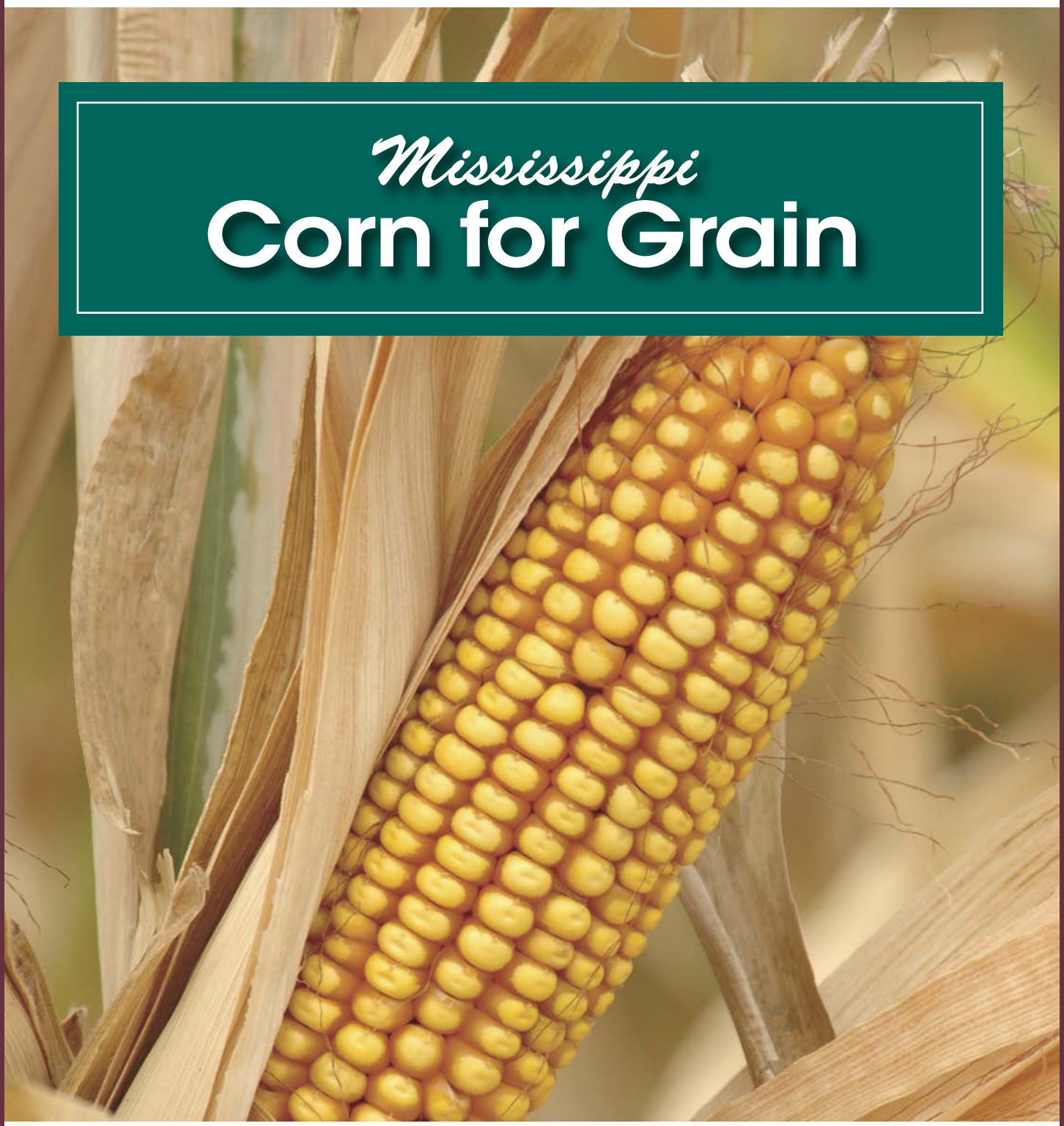

Mississippi Corn for Grain

HYBRID TRIALS, 2016

MISSISSIPPI'S OFFICIAL VARIETY TRIALS

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MS AGRICULTURAL AND
FORESTRY EXPERIMENT STATION

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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 35–36 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 35–36.

Mississippi Corn for Grain Hybrid Trials, 2016

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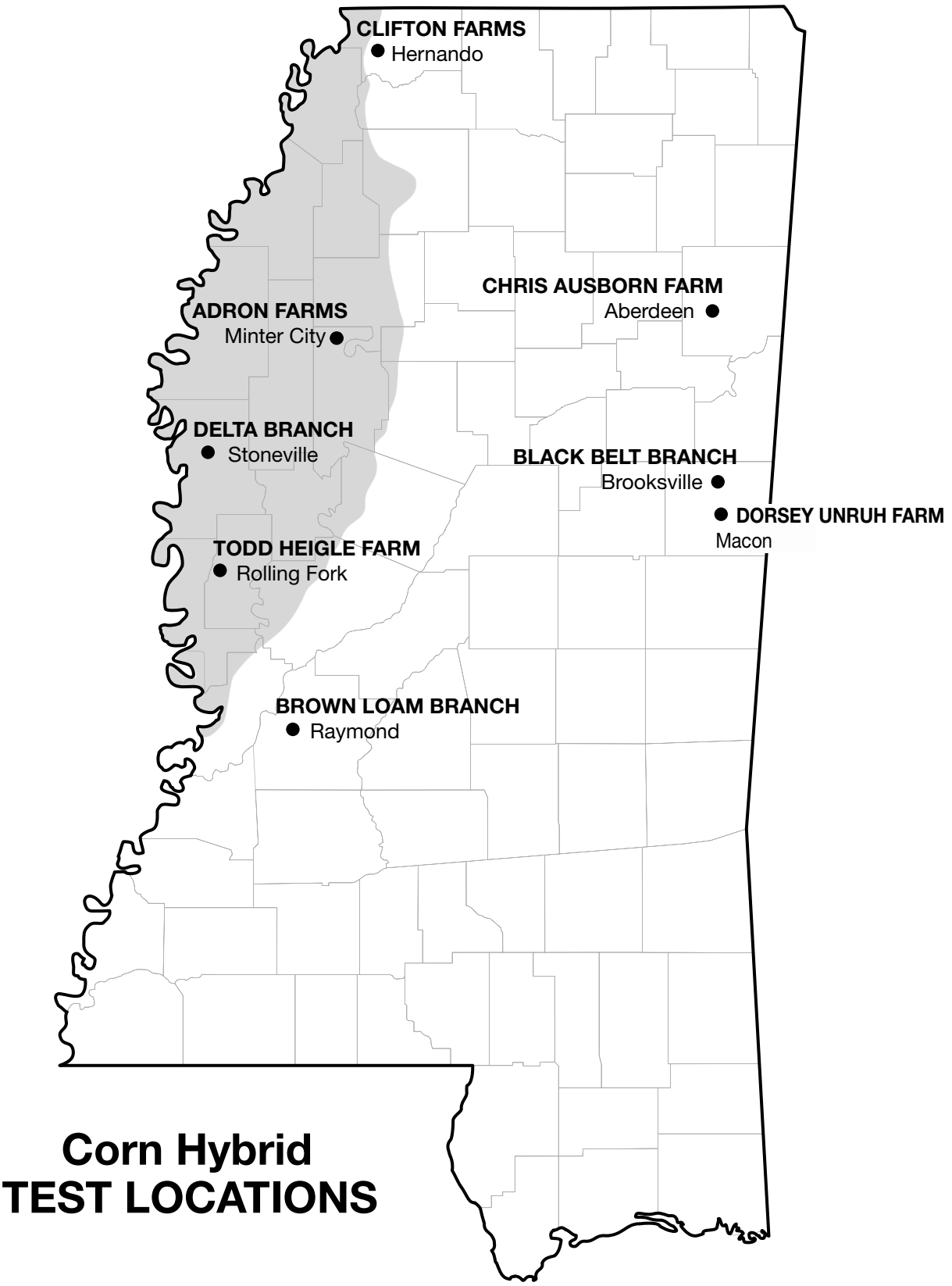
Find variety trial information online at ***mafes.msstate.edu/variety-trials***.



Corn Hybrid TEST LOCATIONS

Mississippi Corn for Grain Hybrid Trials, 2016

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 gener-

ally 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. 2016 corn hybrid trials location summary.

Location	Irrigation	Soil type	Planting date	Harvest date	Row spacing
Aberdeen, Chris Ausborn Farm	Nonirrigated	Houston clay	4/8	8/31	30”
Brooksville, Black Belt Branch	Nonirrigated	Brooksville silty clay	4/9	8/16	30”
Hernando, Clifton Farms	Nonirrigated	Collins silt loam	4/8	9/8	30”
Raymond, Brown Loam Branch	Nonirrigated	Loring silt loam	4/5, 4/29[1]	9/7	30”
Macon, Dorsey Unruh Farm	Pivot Irrigated	Brooksville & Vaiden silty clay	4/22	9/2	30”
Minter City, Ricky Belk Farm	Furrow Irrigated	Dubbs & Dundee silt loam	4/19	8/30	30”
Rolling Fork, Todd Heigle Farm	Furrow Irrigated	Commerce silty clay loam	4/6	9/1	30”
Stoneville (clay), Delta Branch	Furrow Irrigated	Sharkey clay	5/5	9/1	30”
Stoneville (loam), Delta Branch	Furrow Irrigated	Bosket & Commerce very fine sandy loam	3/28	8/29	30”

[1]Replanted on 4/29.

Table 2. 2016 corn hybrid yield summary for dryland locations.

Brand	Hybrid number[1]	Aberdeen	Brooksville	Hernando	Raymond	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriGold	A6719VT2PRO	199.1	107.6	108.5	85.5	125.2
AgriGold	A6499VT2RIB	181.0	110.7	88.7	115.7	124.0
AgriGold	A6544VT2PRO	184.9	124.1	109.9	128.0	136.7
AgriGold	A6559VT2RIB	192.0	91.8	133.2	91.1	127.0
AgriGold	A6572VT2PRO	196.5	118.0	137.4	127.0	144.7
AgriGold	A6652VT2PRO	192.8	99.6	98.3	99.3	122.5
AgriGold	A6659 VT2 RIB	184.9	127.4	80.9	147.9	135.3
AgriGold	A6711VT2PRO	180.7	94.4	103.5	128.0	126.7
AgriGold	A6687VT2PRO	175.1	120.9	99.1	134.6	132.4
AgVenture	RL8714YHB	198.8	84.1	92.3	151.8	131.8
Armor	1414	192.9	167.4	132.9	124.3	154.4
Armor	1500	180.4	104.3	119.8	126.8	132.8
Armor	1717	178.7	107.2	115.9	162.9	141.2
Armor	AXC6116 *	180.8	93.5	114.4	81.8	117.6
Armor	AXG6118 *	179.0	88.0	123.1	99.6	122.4
Augusta	1564	180.7	127.2	65.5	130.6	126.0
Augusta	5566	177.8	95.1	115.6	112.3	125.2
Augusta	5664	170.7	114.5	120.7	111.6	129.4
Augusta	7766	183.3	116.5	107.0	141.9	137.2
Croplan	5290DG/VT2P	181.4	128.3	121.5	125.9	139.3
Croplan	6640VT3	186.3	139.8	71.4	163.7	140.3
DeKalb	DKC62-08	183.9	104.2	114.0	116.5	129.7
DeKalb	DKC62-20RIB	195.0	128.7	97.5	143.8	141.2
DeKalb	DKC64-35	190.4	128.0	101.1	146.6	141.5
DeKalb	DKC66-59	188.9	135.8	108.8	140.8	143.6
DeKalb	DKC66-75	198.0	102.9	105.5	142.9	137.3
DeKalb	DKC67-14	190.1	140.6	99.0	137.6	141.8
DeKalb	DKC67-44	202.9	112.9	134.0	149.9	149.9
DeKalb	DKC67-72	183.5	112.8	123.5	131.5	137.8
DeKalb	DKC68-26	171.9	146.9	88.4	125.9	133.3
DeKalb	DKC70-27	188.7	98.7	101.9	136.2	131.4
Delta Grow	DG 2688	155.7	72.9	90.3	129.3	112.0
Delta Grow	DG 2888	170.2	84.7	111.2	104.2	117.6

[1]Hybrid followed by an asterisk indicates an experimental entry.

Table 2 (continued). 2016 corn hybrid yield summary for dryland locations.

Brand	Hybrid number[1]	Aberdeen	Brooksville	Hernando	Raymond	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
Delta Grow	DG 3660	165.9	126.6	63.2	72.6	107.1
Dyna-Gro	D54VC52	184.2	94.9	105.4	108.2	123.2
Dyna-Gro	D57VP51	169.9	118.0	88.0	153.5	132.4
Dyna-Gro	D57VP75	197.5	118.0	99.9	163.3	144.7
Great Heart Seed	HT 7261 VT3P RIB	163.1	112.4	74.5	116.3	116.6
Mycogen	2C797	190.2	126.6	102.0	126.8	136.4
Mycogen	2D848	187.8	133.2	93.2	143.9	139.5
Mycogen	2Y744	184.4	74.8	96.3	100.9	114.1
Mycogen	X13813VH *	194.7	104.5	118.5	147.1	141.2
Mycogen	X13823S3 *	182.8	90.4	115.7	131.6	130.1
Mycogen	X14677S2 *	181.3	100.3	99.3	110.1	122.8
Mycogen	X14730VH *	187.6	101.7	128.2	138.3	139.0
NK Brand	68K	168.2	100.5	44.6	150.0	115.8
NK Brand	69D	165.3	104.0	102.8	108.3	120.1
Pioneer	P1197YHR	178.1	98.7	95.5	159.9	133.1
Pioneer	P1637YHR	199.5	100.7	110.5	128.4	134.8
Pioneer	P2089YHR~S	183.7	95.3	110.0	139.7	132.2
Progeny Ag	PGY 4117 VT3P	185.2	104.7	105.0	141.6	134.1
Progeny Ag	PGY 6119VT2P	195.2	125.7	102.0	117.9	135.2
Progeny Ag	PGY EXP1615VT2P *	178.9	103.4	81.5	112.9	119.2
Progeny Ag	PGY 6116VT2P	192.8	130.6	103.9	129.2	139.1
Progeny Ag	PGY 5115VT2P	194.6	143.2	85.9	154.6	144.6
Terral Seed	REV 22BHR43	177.7	115.0	94.3	113.1	125.0
Terral Seed	REV 24BHR93	168.4	132.2	87.9	109.1	124.4
Terral Seed	REV 26BHR50	192.6	108.6	87.8	127.7	129.2
Terral Seed	REV 28HR20	185.4	116.9	86.4	101.2	122.5
Terral Seed	REV 28R10	186.6	118.4	102.9	105.4	128.3
Terral Seed	REV 23BHR55	186.2	92.0	99.1	112.0	122.3
Terral Seed	REV 25BHR26	181.6	87.3	108.2	114.5	122.9
Mean		184.0	111.4	102.0	126.4	128.9
LSD		15.0	14.3	23.2	21.6	
Error df		183	183	122	122	
CV		7.0	11	16.8	12.6	
R^2		50.0	77.8	61.9	71.8	

[1]Hybrid followed by an asterisk indicates 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	A6719VT2PRO	201.4	139.1	170.2
AgriGold	A6711VT2PRO	193.3	126.2	159.7
AgriGold	A6659 VT2 RIB	205.1	149.9	177.5
AgriGold	A6499VT2RIB	192.8	137.7	165.3
AgriGold	A6559VT2RIB	194.2	132.7	163.5
AgriGold	A6687VT2PRO	178.3	134.4	156.4
Armor	1414	197.3	166.9	182.1
Armor	1717	185.1	136.9	161.0
Croplan	6640VT3	200.0	170.9	185.4
DeKalb	DKC66-59	196.0	146.9	171.4
DeKalb	DKC67-14	209.9	155.7	182.8
DeKalb	DKC67-72	194.6	141.7	168.1
DeKalb	DKC68-26	183.5	166.0	174.7
DeKalb	DKC62-08	187.9	134.8	161.4
Delta Grow	DG 2888	181.5	124.7	153.1
Delta Grow	DG 3660	189.9	147.2	168.5
Dyna-Gro	D57VP51	192.7	139.5	166.1
Dyna-Gro	D57VP75	192.7	152.2	172.4
Mycogen	2C797	196.0	147.9	172.0
Mycogen	2Y744	188.8	111.3	150.1
Mycogen	X13813VH *	190.8	133.2	162.0

[1]Hybrid followed by an asterisk indicates an experimental entry.

Table 3 (continued). Two-year corn hybrid yield summary for dryland locations.				
Brand	**Hybrid number[1]**	**Aberdeen**	**Brooksville**	**Overall avg.**
		bu/A	*bu/A*	*bu/A*
Mycogen	2D848	189.1	154.7	171.9
Progeny Ag	PGY4117VT3P	181.4	126.0	153.7
Progeny Ag	PGY5115VT2P	199.3	154.5	176.9
Progeny Ag	PGY6116VT2P	202.1	144.8	173.4
Terral Seed	REV 23BHR55	192.8	128.3	160.6
Terral Seed	REV 25BHR26	177.0	122.9	149.9
Terral Seed	REV 26BHR50	190.4	121.4	155.9
Terral Seed	REV 28HR20	193.1	136.4	164.7
Terral Seed	REV 22BHR43	174.8	130.1	152.4
Terral Seed	REV 24BHR93	183.4	140.7	162.1
Overall Mean		191.5	140.5	166.0

[1]Hybrid followed by an asterisk indicates 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	A6719VT2PRO	190.5	151.1	170.8
AgriGold	A6499VT2RIB	182.6	151.0	166.8
AgriGold	A6559VT2RIB	180.3	155.2	167.8
AgriGold	A6659VT2RIB	197.1	157.4	177.3
AgriGold	A6687VT2PRO	173.5	153.9	163.7
Armor	1414	177.8	174.4	176.1
Croplan	6640VT3	194.1	179.7	186.9
DeKalb	DKC62-08	180.0	156.6	168.3
Delta Grow	DG 2888	178.1	146.6	162.4
Delta Grow	DG 3660	191.2	166.8	179.0
Dyna-Gro	D57VP51	191.4	158.5	175.0
Dyna-Gro	D57VP75	184.0	165.8	174.9
Mycogen	2C797	186.4	165.5	176.0
Progeny Ag	PGY4117VT3P	178.5	144.5	161.5
Progeny Ag	PGY5115VT2P	193.3	165.5	179.4
Terral Seed	REV 24BHR93	182.3	158.6	170.5
Terral Seed	REV 26BHR50	178.4	156.3	167.3
Terral Seed	REV 28HR20	190.6	146.5	168.5
Terral Seed	REV 23BHR55	183.2	153.4	168.3
Overall Mean		184.9	158.3	171.6

Table 5. 2016 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 Hybrids	A 6719 VT2PRO	240.9	240.6	226.7	190.7	215.1	222.8
AgriGold Hybrids	A6499 VT2 RIB	225.1	224.1	210.0	155.8	207.1	204.4
AgriGold Hybrids	A6544VT2PRO	242.6	273.7	222.5	192.1	215.6	229.3
AgriGold Hybrids	A6559VT2RIB	213.2	236.2	217.5	173.8	180.4	204.2
AgriGold Hybrids	A6572VT2PRO	227.7	241.0	201.3	177.7	223.1	214.2
AgriGold Hybrids	A6652VT2PRO	241.3	243.9	228.1	197.7	193.5	220.9
AgriGold Hybrids	A6659 VT2 RIB	230.2	220.7	200.0	196.5	203.1	210.1
AgriGold Hybrids	A6687VT2PRO	230.2	251.4	216.6	175.3	206.4	216.0
AgriGold Hybrids	A6711VT2PRO	247.3	252.6	219.3	191.8	217.7	225.8
AgVenture	RL9801YHB	257.2	262.9	234.8	191.0	224.5	234.1
AgVenture	RL8430YHB	227.5	249.6	237.4	185.9	226.5	225.4
AgVenture	RL8714YHB	243.2	247.5	249.0	191.9	223.7	231.1
AgVenture	RL9583YHB	262.6	247.8	240.4	190.5	217.3	231.7
Armor	1414	248.8	251.0	178.6	183.0	219.6	216.2
Armor	1500PRO2	214.1	202.7	198.1	156.2	174.1	189.1
Armor	1717PRO2	250.9	258.8	217.0	193.9	220.8	228.3
Armor	AXC6116PRO2 *	238.1	241.3	222.4	168.7	202.8	214.6
Armor	AXG6118 *	201.6	226.5	223.9	175.5	200.1	205.5
Augusta	1564	224.3	231.8	209.8	168.3	176.1	202.1
Augusta	1565 *	216.4	231.2	208.9	144.9	191.6	198.6
Augusta	5062	243.1	264.5	207.2	183.8	174.7	214.7
Augusta	5566	220.0	229.6	227.5	181.9	192.8	210.3
Augusta	5664	212.8	212.8	210.4	162.3	199.7	199.6
Augusta	7766	236.1	245.0	238.5	163.0	199.7	216.5
Augusta	7767	245.9	243.5	203.0	191.2	199.4	216.6
Augusta	7768	245.4	218.7	226.0	202.9	190.5	216.7
Augusta	8868	215.8	262.2	217.4	178.6	236.0	222.0
B-H Genetics	BH 8590VT2P	228.2	242.3	199.9	178.1	223.2	214.3
B-H Genetics	BH 9000VT2P	242.5	234.7	231.3	188.6	212.4	221.9
Croplan	5290DG/VT2P	237.7	243.8	202.5	191.0	207.0	216.4
Croplan	5570VT2P	244.7	230.3	211.7	184.5	211.9	216.6
Croplan	5678VT2P	245.3	250.5	211.5	182.6	222.1	222.4
Croplan	6640VT3	245.8	232.9	218.6	185.9	210.4	218.7
DeKalb	DKC62-08	227.4	242.4	212.9	184.5	222.8	218.0
DeKalb	DKC62-20RIB	218.3	250.7	194.3	187.4	199.1	209.9
DeKalb	DKC64-35	251.8	233.8	222.7	170.5	226.5	221.1
DeKalb	DKC66-59	250.9	232.9	221.1	187.2	235.7	225.5
DeKalb	DKC66-75	251.4	264.8	210.3	198.1	229.0	230.7
DeKalb	DKC67-14	241.8	234.3	227.4	213.1	219.8	227.3
DeKalb	DKC67-44	259.9	240.3	218.5	208.3	229.8	231.4
DeKalb	DKC67-72	242.7	229.3	219.3	194.7	206.5	218.5
DeKalb	DKC68-26	254.5	274.6	232.3	189.5	224.2	235.0
DeKalb	DKC70-27	248.0	263.8	220.8	195.6	240.7	233.8
Delta Grow	DG 2688	213.2	221.5	205.0	175.5	148.3	192.7
Delta Grow	DG 2888	220.4	215.6	219.7	172.1	162.9	198.1
Delta Grow	DG 3660	242.1	210.4	225.9	203.8	204.0	217.2
Dyna-Gro	D54VC52	212.3	207.8	204.6	165.7	191.0	196.3
Dyna-Gro	D57VP51	227.9	249.1	215.9	201.8	213.0	221.5
Dyna-Gro	D57VP75	212.8	271.5	194.9	172.0	219.7	214.2
Dyna-Gro	D58VC37	246.9	243.8	207.4	193.3	207.9	219.9
Great Heart Seed	HT-7778 VT3PRIB	222.0	243.5	243.7	170.5	204.0	216.7
Great Heart Seed	HT-7493VT2P	225.7	217.2	212.3	175.3	220.6	210.2
Great Heart Seed	HX-8033-3110VIP	259.4	219.8	237.1	219.5	218.5	230.9
Mycogen	2C797	230.2	212.7	225.0	185.1	204.4	211.5
Mycogen	2D848	222.5	216.7	239.8	190.3	221.5	218.2
Mycogen	2Y744	216.7	201.8	210.6	139.2	171.6	188.0
Mycogen	X13726VH *	238.1	230.5	212.1	168.7	213.9	212.7
Mycogen	X13813VH *	240.8	219.9	242.8	156.6	230.1	218.1
Mycogen	X13823S3 *	233.2	201.0	216.7	175.0	209.4	207.1
Mycogen	X14677S2 *	217.5	220.5	235.3	149.7	189.9	202.5
Mycogen	X14730VH *	238.2	230.9	223.7	157.9	217.8	213.7
NK	68K	210.9	201.4	184.1	174.9	189.0	192.1
NK	69D	204.0	200.3	199.3	161.1	170.5	187.0
Pioneer	P1197YHR	216.3	245.4	198.0	180.6	220.0	212.1
Pioneer	P1637YHR	239.8	257.5	243.0	185.9	231.6	231.6
Pioneer	P2089YHR~S	255.8	253.2	242.9	166.1	219.3	227.5
Progeny Ag	PGY 4117VT3P	221.3	216.8	193.6	175.1	195.0	200.4
Progeny Ag	PGY 6119VT2P	214.6	227.7	182.3	177.5	204.1	201.2

[1]Hybrid followed by an asterisk indicates an experimental entry.

Table 5 (continued). 2016 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*
Progeny Ag	PGY EXP1615VT2P *	225.6	198.1	182.3	132.1	190.9	185.8
Progeny Ag	PGY 6116VT2P	232.5	239.0	212.0	175.1	224.1	216.6
Progeny Ag	PGY5115VT2P	249.7	267.2	240.9	173.7	224.2	231.2
Terral Seed	REV 24BHR93	209.7	214.2	205.0	145.8	195.9	194.1
Terral Seed	REV 26BHR50	229.3	243.7	222.2	176.0	212.9	216.8
Terral Seed	REV 28HR20	217.2	226.8	233.5	163.8	216.2	211.5
Terral Seed	REV 28R10	224.1	220.2	245.4	178.8	224.6	218.6
Terral Seed	REV 23BHR55	210.0	242.0	224.5	172.1	219.8	213.7
Terral Seed	REV 25BHR26	226.0	222.2	213.3	180.6	213.2	211.1
Mean		232.5	235.4	217.4	179.2	208.5	214.6
LSD		22.2	21.5	26.7	12.3	19.2	
Error df		152	228	152	228	228	
CV		7.1	7.8	9.1	5.9	7.9	
R^2		56.2	59.0	51.2	77.0	65.4	

[1]Hybrid followed by an asterisk indicates 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 Hybrids	A6719VT2PRO	238.0	226.4	231.9	178.2	232.5	221.4
AgriGold Hybrids	A6499VT2 RIB	226.8	214.1	219.5	157.5	227.4	209.0
AgriGold Hybrids	A6559VT2RIB	229.0	217.7	221.3	159.3	212.3	207.9
AgriGold Hybrids	A6659VT2 RIB	241.2	224.8	224.7	184.7	233.6	221.8
AgriGold Hybrids	A6687VT2PRO	228.9	236.7	221.4	173.4	234.8	219.0
AgriGold Hybrids	A6711VT2PRO	240.0	226.6	220.6	187.2	231.1	221.1
AgVenture	RL9801YHB	257.1	240.9	246.6	184.7	252.8	236.4
AgVenture	RL8430YHB	243.4	242.3	246.2	175.0	252.1	231.8
AgVenture	RL9583YHB	265.9	246.3	248.5	182.6	240.9	236.9
Armor	1414	241.7	243.8	208.9	169.3	241.0	220.9
Armor	1717PRO2	244.6	239.2	232.8	175.8	243.5	227.2
Augusta	7767	244.4	229.6	211.6	182.5	222.4	218.1
Augusta	7768	259.2	233.8	238.6	196.0	237.1	232.9
Augusta	8868	225.9	247.9	235.2	169.1	249.2	225.5
Croplan	6640VT3	252.9	220.9	223.2	171.7	232.6	220.2
DeKalb	DKC62-08	230.2	229.8	218.9	160.0	236.3	215.0
DeKalb	DKC66-59	243.9	224.2	223.6	161.8	242.2	219.1
DeKalb	DKC67-14	245.8	226.5	233.8	181.4	240.7	225.6
DeKalb	DKC67-72	245.8	215.9	211.4	177.1	221.3	214.3
DeKalb	DKC68-26	258.3	255.3	234.6	161.1	235.1	228.9
Delta Grow	DG 2888	221.7	218.7	210.1	163.6	194.5	201.7
Delta Grow	DG 3660	230.6	203.5	218.4	181.8	221.4	211.1
Dyna-Gro	D57VP51	243.7	241.0	229.6	190.8	233.9	227.8
Dyna-Gro	D57VP75	228.1	254.9	223.5	168.5	248.9	224.8
Dyna-Gro	D58VC37	240.7	227.6	222.6	179.7	232.6	220.6
Great Heart Seed	HT-7778 VT3PRIB	216.1	233.9	233.9	165.1	220.8	213.9
Mycogen	2C797	232.3	211.1	220.1	179.6	215.7	211.8
Mycogen	2D848	233.1	222.6	239.4	176.4	240.6	222.4
Mycogen	2Y744	210.5	186.3	197.7	147.5	179.5	184.3
Mycogen	X13726VH *	237.1	219.1	226.3	166.1	236.1	217.0
Mycogen	X13813VH *	231.1	213.2	233.7	140.7	235.9	210.9
Progeny Ag	PGY 4117VT3P	218.3	208.6	204.8	161.5	215.6	201.8
Progeny Ag	PGY 6116VT2P	226.5	222.4	206.2	169.3	227.6	210.4
Progeny Ag	PGY5115VT2P	232.1	234.3	227.8	163.4	229.3	217.4
Terral Seed	REV 24BHR93	216.9	214.8	215.1	146.9	216.1	202.0
Terral Seed	REV 26BHR50	235.2	244.4	230.7	163.5	241.4	223.0
Terral Seed	REV 28HR20	226.2	225.7	247.7	157.3	242.8	219.9
Terral Seed	REV 23BHR55	226.3	238.0	234.4	159.7	246.2	220.9
Terral Seed	REV 25BHR26	232.1	228.2	229.1	162.0	245.9	219.5
Mean		235.9	228.0	225.7	170.0	231.9	218.3

[1]Hybrid followed by an asterisk indicates an experimental entry.

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

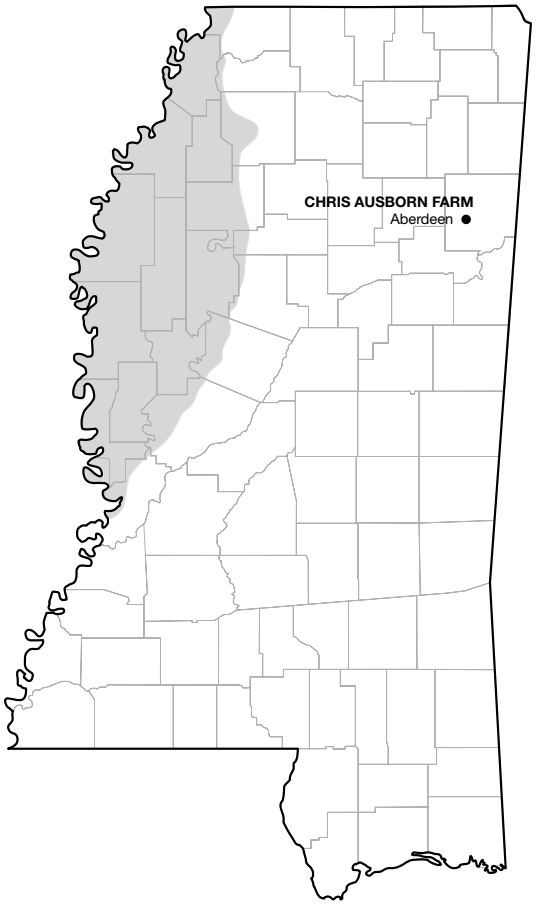
Brand	Hybrid number	Macon	Minter City	Rolling Fork	Stoneville (loam)	Stoneville (clay)	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriGold Hybrids	A6719VT2PRO	238.8	232.8	236.1	192.9	236.0	227.3
AgriGold Hybrids	A6499VT2 RIB	229.2	223.1	224.6	164.8	229.6	214.2
AgriGold Hybrids	A6659VT2 RIB	232.1	227.1	222.9	187.9	234.4	220.9
AgriGold Hybrids	A6687VT2PRO	233.9	242.8	230.7	183.8	239.0	226.0
Armor	1414	243.4	249.7	223.2	180.0	241.8	227.6
Augusta	7767	248.2	231.5	217.2	192.6	233.9	224.7
Augusta	7768	260.1	245.7	251.5	208.5	248.9	242.9
Augusta	8868	231.5	248.1	240.3	186.1	257.5	232.7
Croplan	6640VT3	251.9	230.5	235.2	189.6	245.6	230.6
DeKalb	DKC62-08	229.9	232.8	219.9	177.8	241.7	220.4
Delta Grow	DG 2888	229.4	230.0	223.0	176.8	210.0	213.8
Delta Grow	DG 3660	234.7	207.3	221.8	197.0	235.7	219.3
Dyna-Gro	D57VP51	236.6	240.7	226.0	199.4	237.1	227.9
Dyna-Gro	D57VP75	231.7	257.2	239.5	183.1	251.5	232.6
Great Heart Seed	HT-7778 VT3PRIB	226.8	243.1	245.4	187.7	236.8	227.9
Mycogen	2C797	236.8	214.2	227.3	187.0	221.9	217.5
Progeny Ag	PGY 4117VT3P	223.9	218.0	220.6	169.1	226.3	211.6
Progeny Ag	PGY5115VT2P	235.9	229.9	230.3	173.4	234.7	220.8
Terral Seed	REV 24BHR93	217.5	225.7	232.9	171.3	229.2	215.3
Terral Seed	REV 26BHR50	241.8	247.2	247.2	182.5	250.5	233.8
Terral Seed	REV 28HR20	222.6	236.0	242.8	177.3	257.2	227.2
Terral Seed	REV 23BHR55	235.0	241.4	242.0	177.4	253.2	229.8
Mean		235.1	234.3	231.8	183.9	238.7	224.8

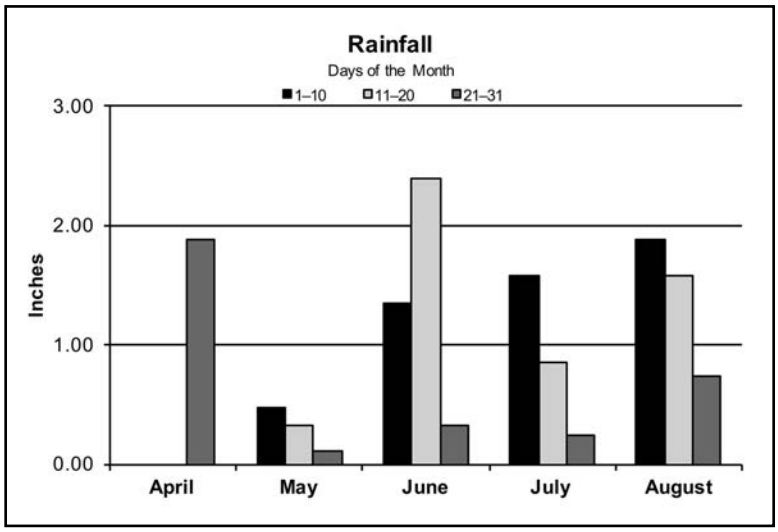
CHRIS AUSBORN FARM, ABERDEEN

Crop Summary

The corn plots were planted into a stale seedbed that had been bedded up the previous fall. Adequate moisture at planting allowed all plots to quickly emerge to a good stand. Timely rains fell at key points during the growing season, resulting in good yields. Harvest was made in a timely manner without difficulties.

Soil type . . . . . **Houston clay**
Soil pH **6.9**
Soil fertility . . . . . **P=M, K=M**
Fertilizer added . . . . . **Preplant — 0-24-24 @ 228 lb/A (fall applied)**
Starter — 10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2) on April 8
Sidedress — N @ 200 lb/A (32% UAN)
Herbicide application . . . **Preemergence — Lexar @ 2 qt/A and Roundup PowerMAX @ 1 qt/A on April 8**
Postemergence — Atrazine @ 2 qt/A and Glyphosate @ 24 oz/A
Previous crop . . . . . **Soybeans**
Planting date . . . . . **April 8**
Harvest date . . . . . **August 31**





Rainfall Summary

	Inches
April	1.88
May	0.91
June	4.07
July	2.70
August	4.20
Total	13.76

Table 8. Results from 62 corn hybrids grown without irrigation on a Houston clay soil near Aberdeen, Monroe county, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Stalk lodging	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*%*	
DeKalb	DKC67-44	202.9	—	—	40	0	15.1	33
Pioneer	P1637YHR	199.5	—	—	48	0	14.0	33
AgriGold	A6719VT2PRO	199.1	201.4	190.5	45	0	14.4	33
AgVenture	RL8714YHB	198.8	—	—	49	0	14.1	31
DeKalb	DKC66-75	198.0	—	—	42	0	14.4	34
Dyna-Gro	D57VP75	197.5	192.7	184.0	46	0	14.0	35
AgriGold	A6572VT2PRO	196.5	—	—	38	0	14.4	32
Progeny Ag	PGY 6119VT2P	195.2	—	—	46	0	15.4	30
DeKalb	DKC62-20RIB	195.0	—	—	48	0	13.7	34
Mycogen	X13813VH *	194.7	190.8	—	51	0	13.9	36
Progeny Ag	PGY 5115VT2P	194.6	199.3	193.3	34	0	13.9	33
Armor	1414	192.9	197.3	177.8	41	0	14.5	33
Progeny Ag	PGY 6116VT2P	192.8	202.1	—	38	0	14.5	34
AgriGold	A6652VT2PRO	192.8	—	—	36	0	13.7	34
Terral Seed	REV 26BHR50	192.6	190.4	178.4	40	0	15.5	29
AgriGold	A6559VT2RIB	192.0	194.2	180.3	42	0	14.3	33
DeKalb	DKC64-35	190.4	—	—	42	0	14.2	33
Mycogen	2C797	190.2	196.0	186.4	40	0	13.6	36
DeKalb	DKC67-14	190.1	209.9	—	45	0	14.2	34
DeKalb	DKC66-59	188.9	196.0	—	42	0	15.2	33
DeKalb	DKC70-27	188.7	—	—	43	0	15.3	33
Mycogen	2D848	187.8	189.1	—	45	0	16.4	35
Mycogen	X14730VH *	187.6	—	—	42	0	14.7	35
Terral Seed	REV 28R10	186.6	—	—	44	0	14.8	29
Croplan	6640VT3	186.3	200.0	194.1	42	0	14.1	32
Terral Seed	REV 23BHR55	186.2	192.8	183.2	51	0	13.4	28
Terral Seed	REV 28HR20	185.4	193.1	190.6	45	0	15.3	29
Progeny Ag	PGY 4117 VT3P	185.2	181.4	178.5	46	0	13.9	33
AgriGold	A6659 VT2 RIB	184.9	205.1	197.1	41	0	14.1	32
AgriGold	A6544VT2PRO	184.9	—	—	37	0	13.6	34
Mycogen	2Y744	184.4	188.8	—	32	9	13.2	34
Dyna-Gro	D54VC52	184.2	—	—	38	0	14.8	28
DeKalb	DKC62-08	183.9	187.9	180.0	46	0	14.2	32
Pioneer	P2089YHR~S	183.7	—	—	38	0	13.8	32
DeKalb	DKC67-72	183.5	194.6	—	36	0	14.3	35
Augusta	7766	183.3	—	—	40	0	13.9	31
Mycogen	X13823S3 *	182.8	—	—	43	0	14.1	35
Terral Seed	REV 25BHR26	181.6	177.0	—	50	0	13.9	27
Croplan	5290DG/VT2P	181.4	—	—	38	0	14.2	33
Mycogen	X14677S2 *	181.3	—	—	46	0	13.2	34
AgriGold	A6499VT2RIB	181.0	192.8	182.6	37	0	13.6	33
Armor	AXC6116 *	180.8	—	—	41	0	13.5	32
AgriGold	A6711VT2PRO	180.7	193.3	—	37	0	14.0	33
Augusta	1564	180.7	—	—	37	0	13.9	33
Armor	1500	180.4	—	—	41	0	14.2	30
Armor	AXG6118 *	179.0	—	—	43	0	14.0	32
Progeny Ag	PGY EXP1615VT2P *	178.9	—	—	34	0	14.3	32
Armor	1717	178.7	185.1	—	40	0	14.3	33
Pioneer	P1197YHR	178.1	—	—	40	0	13.7	32
Augusta	5566	177.8	—	—	42	0	14.1	32
Terral Seed	REV 22BHR43	177.7	174.8	—	45	0	14.1	28
AgriGold	A6687VT2PRO	175.1	178.3	173.5	44	0	14.5	29
DeKalb	DKC68-26	171.9	183.5	—	43	0	14.7	34
Augusta	5664	170.7	—	—	39	0	14.2	34
Delta Grow	DG 2888	170.2	181.5	178.1	48	0	14.1	35
Dyna-Gro	D57VP51	169.9	192.7	191.4	34	0	14.0	30
Terral Seed	REV 24BHR93	168.4	183.4	182.3	51	0	14.1	26
NK Brand	68K	168.2	—	—	44	0	12.9	24
Delta Grow	DG 3660	165.9	189.9	191.2	46	9	15.3	34

[1]Hybrid followed by an asterisk indicates an experimental entry.

Table 8 (cont.). Results from 62 corn hybrids grown without irrigation on a Houston clay soil near Aberdeen, Monroe county, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Stalk lodging	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*%*	
NK Brand	69D	165.3	—	—	44	0	13.9	31
Great Heart Seed	HT 7261 VT3P RIB	163.1	—	—	35	7	14.3	29
Delta Grow	DG 2688	155.7	—	—	45	3	13.1	34
Mean		184.0						
LSD		15.0						
Error df		183						
CV		7.0						
R^2		50.0						

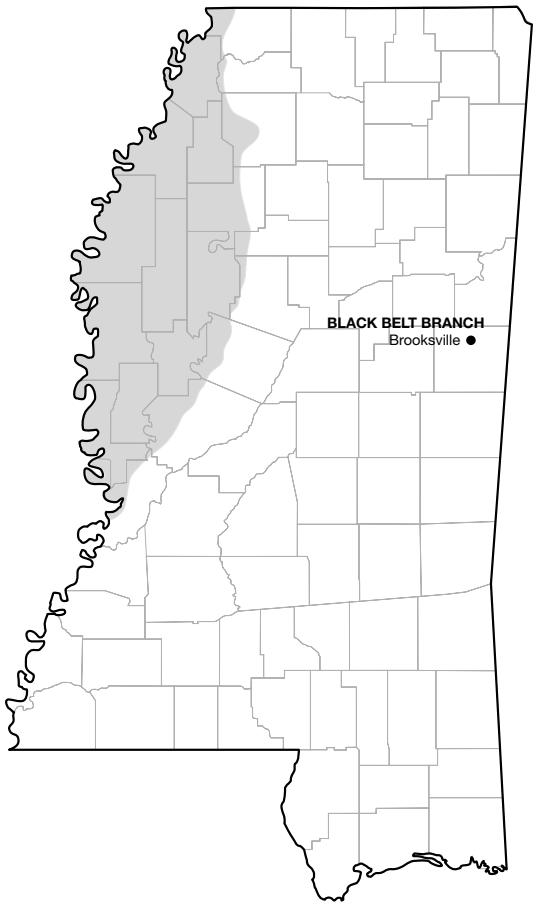
[1]Hybrid followed by an asterisk indicates an experimental entry.

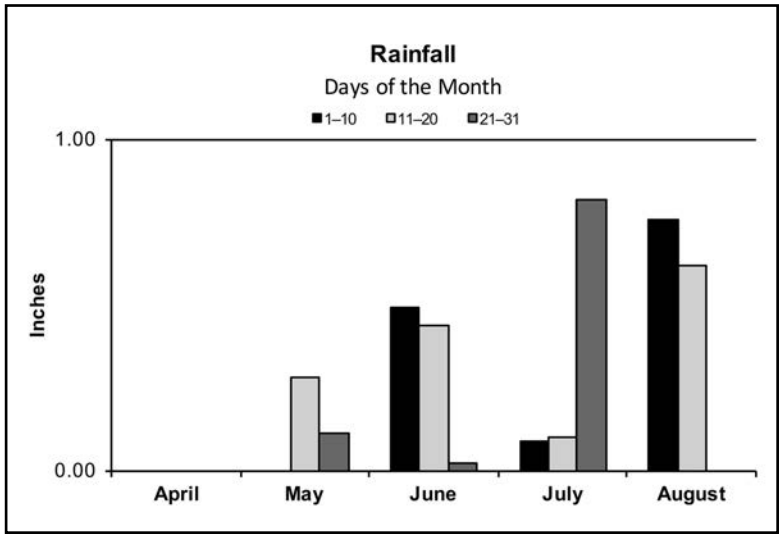
MAFES BLACK BELT BRANCH, BROOKSVILLE

Crop Summary

The corn plots were planted into a flat, stale seedbed in early April. Soil moisture was adequate at planting for germination and emergence. The plots emerged to a stand. Rainfall events seemed to occur regularly during the early season, but the crop endured a hot, dry period during June and July, resulting in lower than average yields at this location.

Soil type . . . . . **Brooksville silty clay**
Soil pH **6.3**
Soil fertility . . . . . **P=L, K=M**
Fertilizer added . . . . . **Preplant — 9-23-30 @ 200 lb/A**
Starter — 10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2) on April 9
Sidedress — N @ 88 lb/A (32% UAN) on May 9 and May 24
Herbicide application . . . **Preemergence — Lexar @ 2 qt/A and Gramoxone @ 1 qt/A on April 9**
Postemergence — Roundup Powermax @ 1 qt/A, Callisto @ 3 oz/A, and Atrazine @ 8 oz/A on May 9
Previous crop . . . . . **Soybeans**
Planting date . . . . . **April 9**
Harvest date . . . . . **August 16**





Rainfall Summary

	Inches
April	0.00
May	0.49
June	0.95
July	1.01
August	1.38
Total	3.83

Table 9. Results from 62 corn hybrids grown without irrigation on a Brooksville silty clay soil at the MAFES Black Belt Branch, Brooksville, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Stalk lodging	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*%*	
Armor	1414	167.4	166.9	174.4	43	0	19.7	29
DeKalb	DKC68-26	146.9	166.0	—	37	6	19.1	28
Progeny Ag	PGY 5115VT2P	143.2	154.5	165.5	36	2	19.1	30
DeKalb	DKC67-14	140.6	155.7	—	41	18	18.7	35
Croplan	6640VT3	139.8	170.9	179.7	43	0	18.3	32
DeKalb	DKC66-59	135.8	146.9	—	40	23	20.1	34
Mycogen	2D848	133.2	154.7	—	45	5	24.0	33
Terral Seed	REV 24BHR93	132.2	140.7	158.6	42	0	18.8	25
Progeny Ag	PGY 6116VT2P	130.6	144.8	—	43	4	18.7	28
DeKalb	DKC62-20RIB	128.7	—	—	40	4	18.5	33
Croplan	5290DG/VT2P	128.3	—	—	39	0	18.2	34
DeKalb	DKC64-35	128.0	—	—	41	4	17.8	32
AgriGold	A6659 VT2 RIB	127.4	149.9	157.4	39	0	18.8	27
Augusta	1564	127.2	—	—	41	0	17.6	30
Delta Grow	DG 3660	126.6	147.2	166.8	39	40	19.9	31
Mycogen	2C797	126.6	147.9	165.5	43	4	18.9	31
Progeny Ag	PGY 6119VT2P	125.7	—	—	42	0	20.4	34
AgriGold	A6544VT2PRO	124.1	—	—	37	0	17.4	29
AgriGold	A6687VT2PRO	120.9	134.4	153.9	44	0	19.5	29
Terral Seed	REV 28R10	118.4	—	—	41	11	18.5	28
AgriGold	A6572VT2PRO	118.0	—	—	43	0	17.9	32
Dyna-Gro	D57VP75	118.0	152.2	165.8	52	8	18.6	23
Dyna-Gro	D57VP51	118.0	139.5	158.5	37	0	18.0	29
Terral Seed	REV 28HR20	116.9	136.4	146.5	42	22	19.1	23
Augusta	7766	116.5	—	—	38	6	19.3	30
Terral Seed	REV 22BHR43	115.0	130.1	—	35	0	18.8	18
Augusta	5664	114.5	—	—	37	2	19.5	34
DeKalb	DKC67-44	112.9	—	—	44	7	19.2	34
DeKalb	DKC67-72	112.8	141.7	—	43	10	19.2	35
Great Heart Seed	HT 7261 VT3P RIB	112.4	—	—	37	7	17.8	25
AgriGold	A6499VT2RIB	110.7	137.7	151.0	42	0	17.3	32
Terral Seed	REV 26BHR50	108.6	121.4	156.3	38	6	20.0	28
AgriGold	A6719VT2PRO	107.6	139.1	151.1	49	4	18.2	29
Armor	1717	107.2	136.9	—	41	8	18.7	31
Progeny Ag	PGY 4117 VT3P	104.7	126.0	144.5	50	10	19.8	30
Mycogen	X13813VH *	104.5	133.2	—	43	0	17.1	35
Armor	1500	104.3	—	—	47	0	18.8	28
DeKalb	DKC62-08	104.2	134.8	156.6	38	0	17.1	32
NK Brand	69D	104.0	—	—	43	0	17.9	29
Progeny Ag	PGY EXP1615VT2P *	103.4	—	—	36	5	18.3	25
DeKalb	DKC66-75	102.9	—	—	37	13	17.3	34
Mycogen	X14730VH *	101.7	—	—	38	0	20.6	35
Pioneer	P1637YHR	100.7	—	—	45	26	17.1	32
NK Brand	68K	100.5	—	—	40	0	16.4	32
Mycogen	X14677S2 *	100.3	—	—	39	0	16.4	36
AgriGold	A6652VT2PRO	99.6	—	—	41	2	17.3	32
Pioneer	P1197YHR	98.7	—	—	47	0	16.8	30
DeKalb	DKC70-27	98.7	—	—	38	5	21.6	35
Pioneer	P2089YHR~S	95.3	—	—	40	24	17.2	31
Augusta	5566	95.1	—	—	32	0	16.9	28
Dyna-Gro	D54VC52	94.9	—	—	43	0	17.5	22
AgriGold	A6711VT2PRO	94.4	126.2	—	39	0	19.7	34
Armor	AXC6116 *	93.5	—	—	37	0	16.9	30
Terral Seed	REV 23BHR55	92.0	128.3	153.4	31	2	17.2	28
AgriGold	A6559VT2RIB	91.8	132.7	155.2	36	4	17.8	33
Mycogen	X13823S3 *	90.4	—	—	39	0	17.0	32
Armor	AXG6118 *	88.0	—	—	42	4	16.9	29
Terral Seed	REV 25BHR26	87.3	122.9	—	40	7	17.5	25
Delta Grow	DG 2888	84.7	124.7	146.6	46	42	18.6	29

[1]Hybrid followed by an asterisk indicates an experimental entry.

Table 9 (cont.). Results from 62 corn hybrids grown without irrigation on a Brooksville silty clay soil at the MAFES Black Belt Branch, Brooksville, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Stalk lodging	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	%	%	
AgVenture	RL8714YHB	84.1	—	—	42	2	17.5	32
Mycogen	2Y744	74.8	111.3	—	31	2	16.2	31
Delta Grow	DG 2688	72.9	—	—	38	47	15.9	26
Mean		111.4						
LSD		14.3						
Error df		183						
CV		11.0						
R^2		77.8						

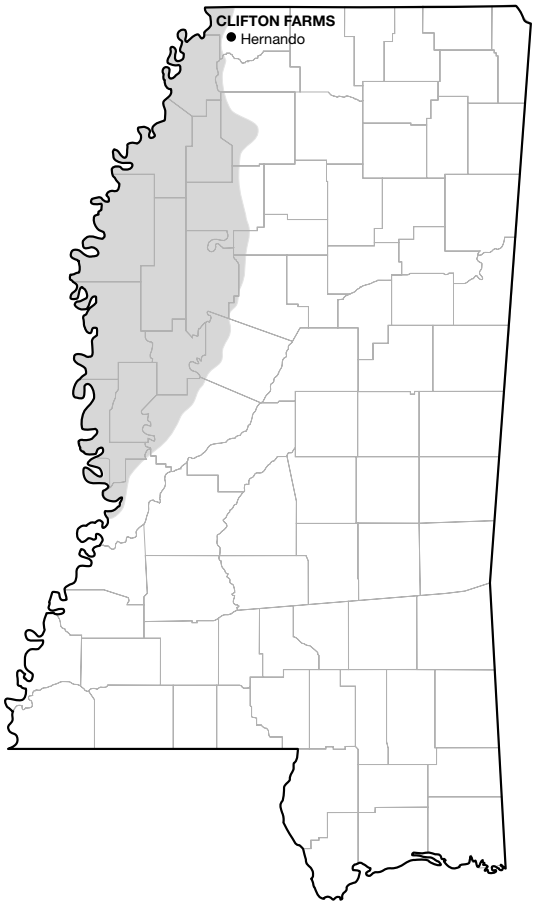
[1]Hybrid followed by an asterisk indicates an experimental entry.

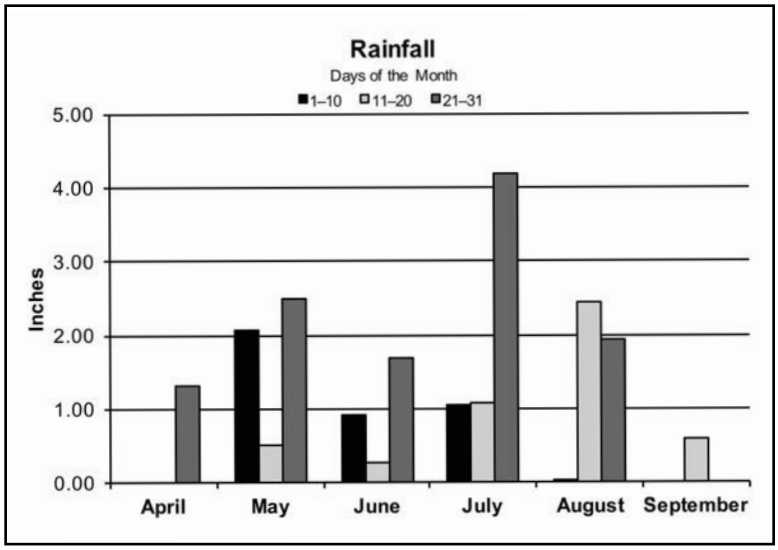
CLIFTON FARMS, HERNANDO

Crop Summary

The corn plots were planted into a flat, no-till field with adequate soil moisture for germination. All plots emerged to a stand. Very little precipitation fell in the 2 weeks following nitrogen application, thus some nitrogen volatility likely occurred. Some lodging was observed in plots at this location. Harvest was completed in a timely manner.

Soil type . . . . . **Collins silt loam**
Soil pH **5.0**
Soil fertility . . . . . **P=L, K=L**
Fertilizer added . . . . . **Starter — 10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2) on April 8**
Sidedress — N @ 52 lb/A (32% UAN) on April 14
Topdress — Urea (46-0-0) @ 300 lb/A on May 30
Herbicide application . . . **Preemergence — Lexar @ 2 qt/A and Gramoxone @ 1 qt/A on April 8**
Postemergence — Roundup PowerMAX @ 1 qt/A, Callisto @ 3 oz/A, and Atrazine @ 8 oz/A on May 16
Previous crop . . . . . **Soybeans**
Planting date . . . . . **April 8**
Harvest date . . . . . **September 8**





Rainfall Summary

	Inches
April	1.33
May	5.10
June	2.90
July	6.32
August	4.39
September	0.61
Total	20.65

Table 10. Results from 62 corn hybrids grown without irrigation on a Collins silt loam soil near Hernando, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Stalk lodging	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*%*	
AgriGold	A6572VT2PRO	137.4	—	—	27	0	14.9	31
DeKalb	DKC67-44	134.0	—	—	30	0	15.5	33
AgriGold	A6559VT2RIB	133.2	—	—	35	0	14.2	27
Armor	1414	132.9	—	—	40	6	15.2	31
Mycogen	X14730VH *	128.2	—	—	39	0	15.9	34
DeKalb	DKC67-72	123.5	—	—	26	11	14.9	31
Armor	AXG6118 *	123.1	—	—	32	0	15.5	31
Croplan	5290DG/VT2P	121.5	—	—	31	0	14.8	31
Augusta	5664	120.7	—	—	40	0	15.1	32
Armor	1500	119.8	—	—	35	4	14.8	28
Mycogen	X13813VH *	118.5	—	—	46	7	15.3	34
Armor	1717	115.9	—	—	34	6	15.6	33
Mycogen	X13823S3 *	115.7	—	—	38	7	14.8	34
Augusta	5566	115.6	—	—	44	13	15.5	33
Armor	AXC6116 *	114.4	—	—	42	8	14.7	32
DeKalb	DKC62-08	114.0	—	—	41	0	14.4	32
Delta Grow	DG 2888	111.2	—	—	41	0	15.3	31
Pioneer	P1637YHR	110.5	—	—	31	0	15.0	32
Pioneer	P2089YHR~S	110.0	—	—	28	4	15.1	33
AgriGold	A6544VT2PRO	109.9	—	—	36	4	14.7	30
DeKalb	DKC66-59	108.8	—	—	35	0	15.1	33
AgriGold	A6719VT2PRO	108.5	—	—	41	7	15.0	32
Terral Seed	REV 25BHR26	108.2	—	—	32	2	14.8	27
Augusta	7766	107.0	—	—	41	10	14.4	31
DeKalb	DKC66-75	105.5	—	—	32	0	15.1	32
Dyna-Gro	D54VC52	105.4	—	—	28	0	14.8	28
Progeny Ag	PGY 4117 VT3P	105.0	—	—	34	0	14.8	33
Progeny Ag	PGY 6116VT2P	103.9	—	—	36	6	14.5	30
AgriGold	A6711VT2PRO	103.5	—	—	38	7	15.2	27
Terral Seed	REV 28R10	102.9	—	—	27	4	15.5	28
NK Brand	69D	102.8	—	—	40	10	15.0	30
Mycogen	2C797	102.0	—	—	26	8	14.6	32
Progeny Ag	PGY 6119VT2P	102.0	—	—	31	0	15.4	30
DeKalb	DKC70-27	101.9	—	—	35	0	15.5	33
DeKalb	DKC64-35	101.1	—	—	30	4	14.7	33
Dyna-Gro	D57VP75	99.9	—	—	32	0	14.5	26
Mycogen	X14677S2 *	99.3	—	—	40	0	14.2	34
Terral Seed	REV 23BHR55	99.1	—	—	37	2	14.7	26
AgriGold	A6687VT2PRO	99.1	—	—	30	0	15.0	32
DeKalb	DKC67-14	99.0	—	—	33	6	14.8	32
AgriGold	A6652VT2PRO	98.3	—	—	30	0	14.5	30
DeKalb	DKC62-20RIB	97.5	—	—	34	0	14.5	33
Mycogen	2Y744	96.3	—	—	21	0	13.6	31
Pioneer	P1197YHR	95.5	—	—	30	0	14.7	30
Terral Seed	REV 22BHR43	94.3	—	—	33	2	15.1	27
Mycogen	2D848	93.2	—	—	30	0	16.2	33
AgVenture	RL8714YHB	92.3	—	—	37	4	14.7	31
Delta Grow	DG 2688	90.3	—	—	35	0	14.3	31
AgriGold	A6499VT2RIB	88.7	—	—	36	0	14.6	31
DeKalb	DKC68-26	88.4	—	—	30	0	15.2	33
Dyna-Gro	D57VP51	88.0	—	—	36	8	14.7	30
Terral Seed	REV 24BHR93	87.9	—	—	39	5	14.9	22
Terral Seed	REV 26BHR50	87.8	—	—	36	0	15.8	28
Terral Seed	REV 28HR20	86.4	—	—	33	0	15.5	27
Progeny Ag	PGY 5115VT2P	85.9	—	—	31	0	14.6	32
Progeny Ag	PGY EXP1615VT2P *	81.5	—	—	27	4	14.7	27
AgriGold	A6659VT2RIB	80.9	—	—	30	0	14.5	31
Great Heart Seed	HT 7261 VT3P RIB	74.5	—	—	25	15	14.6	28
Croplan	6640VT3	71.4	—	—	30	9	14.7	30
Augusta	1564	65.5	—	—	35	12	14.2	31

[1]Hybrid followed by an asterisk indicates an experimental entry.

Table 10 (cont.). Results from 62 corn hybrids grown without irrigation on a Collins silt loam soil near Hernando, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Stalk lodging	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	%	%	
Delta Grow	DG 3660	63.2	—	—	28	10	15.4	31
NK Brand	68K	44.6	—	—	42	24	13.7	33
Mean		102.0						
LSD		23.2						
Error df		122						
CV		16.8						
R^2		61.9						

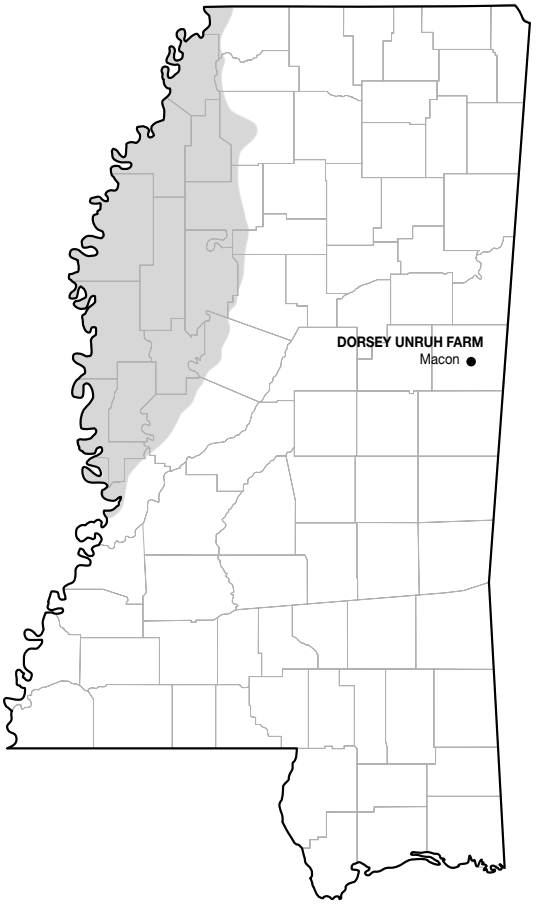
[1]Hybrid followed by an asterisk indicates an experimental entry.

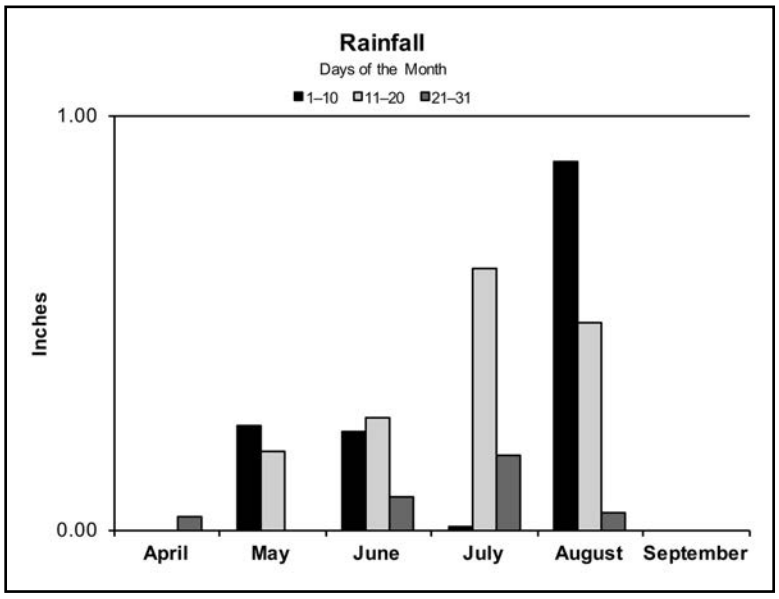
DORSEY UNRUH FARM, MACON

Crop Summary

The planting date at this location was slightly later than normal due to frequent rainfall during March and early April. The plots were planted into a stale seedbed with adequate moisture for germination. All plots emerged to a good stand. Good yields were observed at this location due to timely irrigation throughout the growing season. Harvest was completed in a timely manner.

Soil type . . . . . **Brooksville and Vaiden silty clay**
Soil pH **5.8**
Soil fertility . . . . . **P=H, K=H**
Fertilizer added . . . . . **Preplant — poultry litter @ 2 tons/A (fall applied)**
Starter — 10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2) on April 22
Sidedress — N @ 265 lb/A (32% UAN) on May 11
Herbicide application . . . **Preemergence — Lexar @ 2 qt/A and Gramoxone @ 1 qt/A on April 22**
Postemergence — Resicore @ 3 qt/A, Atrazine @ 1 qt/A, and Roundup PowerMAX @ 22 oz/A on May 16
Previous crop . . . . . **Soybeans**
Planting date . . . . . **April 22**
Harvest date . . . . . **September 2**
Irrigation dates . . . . . **Center-pivot irrigation (1") on May 26, June 2, June 23, June 28, July 6, July 16, July 27**





Rainfall Summary

	Inches
April	0.03
May	0.44
June	0.59
July	0.82
August	1.43
September	0.00
Total	3.31

Table 11. Results from 77 corn hybrids grown with center-pivot irrigation on a Brooksville and Vaiden silty clay soil near Macon, Noxubee County, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Stalk lodging	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*%*	
AgVenture	RL9583YHB	262.6	265.9	—	53	3	17.2	35
DeKalb	DKC67-44	259.9	—	—	51	—	16.3	32
Great Heart Seed	HX-8033-3110VIP	259.4	—	—	62	—	17.2	34
AgVenture	RL9801YHB	257.2	257.1	—	44	—	16.8	34
Pioneer	P2089YHR~S	255.8	—	—	47	—	15.3	36
DeKalb	DKC68-26	254.5	258.3	—	46	0	15.7	33
DeKalb	DKC64-35	251.8	—	—	49	—	15.8	32
DeKalb	DKC66-75	251.4	—	—	47	—	15.6	35
DeKalb	DKC66-59	250.9	243.9	—	53	0	16.6	33
Armor	1717PRO2	250.9	244.6	—	48	—	15.2	35
Progeny Ag	PGY5115VT2P	249.7	232.1	235.9	44	—	15.7	34
Armor	1414	248.8	241.7	243.4	57	0	15.5	35
DeKalb	DKC70-27	248.0	—	—	53	—	15.9	35
AgriGold Hybrids	A6711VT2PRO	247.3	240.0	—	51	—	15.7	35
Dyna-Gro	D58VC37	246.9	240.7	—	45	—	15.4	34
Augusta	7767	245.9	244.4	248.2	50	0	16.0	33
Croplan	6640VT3	245.8	252.9	251.9	44	—	15.7	34
Augusta	7768	245.4	259.2	260.1	57	11	17.0	33
Croplan	5678VT2P	245.3	—	—	59	—	15.7	34
Croplan	5570VT2P	244.7	—	—	49	—	15.5	33
AgVenture	RL8714YHB	243.2	—	—	53	—	15.2	36
Augusta	5062	243.1	—	—	48	—	14.6	34
DeKalb	DKC67-72	242.7	245.8	—	44	0	14.8	35
AgriGold Hybrids	A6544VT2PRO	242.6	—	—	51	—	14.6	35
B-H Genetics	BH 9000VT2P	242.5	—	—	51	—	17.0	35
Delta Grow	DG 3660	242.1	230.6	234.7	51	—	17.7	34
DeKalb	DKC67-14	241.8	245.8	—	41	0	16.3	34
AgriGold Hybrids	A6652VT2PRO	241.3	—	—	54	—	14.8	33
AgriGold Hybrids	A6719VT2PRO	240.9	238.0	238.8	52	0	16.0	34
Mycogen	X13813VH *	240.8	231.1	—	56	—	15.3	33
Pioneer	P1637YHR	239.8	—	—	48	3	15.2	35
Mycogen	X14730VH *	238.2	—	—	43	—	16.6	35
Mycogen	X13726VH *	238.1	237.1	—	56	—	16.9	35
Armor	AXC6116PRO2 *	238.1	—	—	49	—	16.1	34
Croplan	5290DG/VT2P	237.7	—	—	49	—	15.2	34
Augusta	7766	236.1	—	—	51	—	15.2	33
Mycogen	X13823S3 *	233.2	—	—	47	—	15.1	35
Progeny Ag	PGY 6116VT2P	232.5	226.5	—	44	—	15.6	33
AgriGold Hybrids	A6659VT2 RIB	230.2	241.2	232.1	53	—	15.0	35
Mycogen	2C797	230.2	232.3	236.8	45	0	14.4	33
AgriGold Hybrids	A6687VT2PRO	230.2	228.9	233.9	50	—	15.3	33
Terral Seed	REV 26BHR50	229.3	235.2	241.8	50	—	16.8	33
B-H Genetics	BH 8590VT2P	228.2	—	—	51	—	16.3	35
Dyna-Gro	D57VP51	227.9	243.7	236.6	47	—	15.5	32
AgriGold Hybrids	A6572VT2PRO	227.7	—	—	57	—	15.6	34
AgVenture	RL8430YHB	227.5	243.4	—	42	—	14.6	35
DeKalb	DKC62-08	227.4	230.2	229.9	44	—	14.9	33
Terral Seed	REV 25BHR26	226.0	232.1	—	43	0	15.7	33
Great Heart Seed	HT-7493VT2P	225.7	—	—	61	—	15.7	34
Progeny Ag	PGY EXP1615VT2P *	225.6	—	—	43	—	15.8	34
AgriGold Hybrids	A6499VT2 RIB	225.1	226.8	229.2	51	—	16.7	35
Augusta	1564	224.3	—	—	46	—	15.6	36
Terral Seed	REV 28R10	224.1	—	—	47	—	16.3	34
Mycogen	2D848	222.5	233.1	—	52	—	17.2	35
Great Heart Seed	HT-7778 VT3PRIB	222.0	216.1	226.8	63	2	15.8	36
Progeny Ag	PGY 4117VT3P	221.3	218.3	223.9	57	0	15.7	35
Delta Grow	DG 2888	220.4	221.7	229.4	61	—	16.2	34
Augusta	5566	220.0	—	—	57	—	16.7	34
DeKalb	DKC62-20RIB	218.3	—	—	53	—	14.4	36

[1]Hybrid followed by an asterisk indicates an experimental entry.

Table 11 (cont.). Results from 77 corn hybrids grown with center-pivot irrigation on a Brooksville and Vaiden silty clay soil near Macon, Noxubee County, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Stalk lodging	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	%	%	
Mycogen	X14677S2 *	217.5	—	—	45	—	14.8	34
Terral Seed	REV 28HR20	217.2	226.2	222.6	51	—	15.4	34
Mycogen	2Y744	216.7	210.5	—	43	9	14.9	35
Augusta	1565 *	216.4	—	—	51	—	15.1	34
Pioneer	P1197YHR	216.3	—	—	53	—	14.2	34
Augusta	8868	215.8	225.9	231.5	56	0	15.4	36
Progeny Ag	PGY 6119VT2P	214.6	—	—	50	—	16.3	34
Armor	1500PRO2	214.1	—	—	45	—	16.4	35
Delta Grow	DG 2688	213.2	—	—	47	12	14.6	34
AgriGold Hybrids	A6559VT2RIB	213.2	229.0	—	50	—	14.2	34
Dyna-Gro	D57VP75	212.8	228.1	231.7	51	—	15.9	34
Augusta	5664	212.8	—	—	51	—	16.3	34
Dyna-Gro	D54VC52	212.3	—	—	45	—	15.9	34
NK	68K	210.9	—	—	44	—	13.6	35
Terral Seed	REV 23BHR55	210.0	226.3	235.0	48	—	15.0	34
Terral Seed	REV 24BHR93	209.7	216.9	217.5	48	—	15.4	32
NK	69D	204.0	—	—	48	—	15.5	34
Armor	AXG6118 *	201.6	—	—	44	—	16.3	37
Mean		232.5						
LSD		22.2						
Error df		152						
CV		7.1						
R^2		56.2						

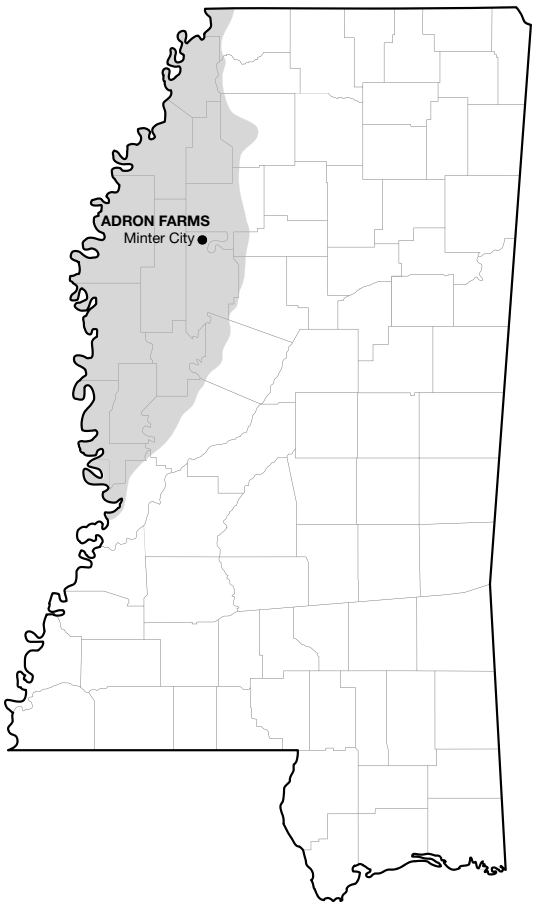
[1]Hybrid followed by an asterisk indicates an experimental entry.

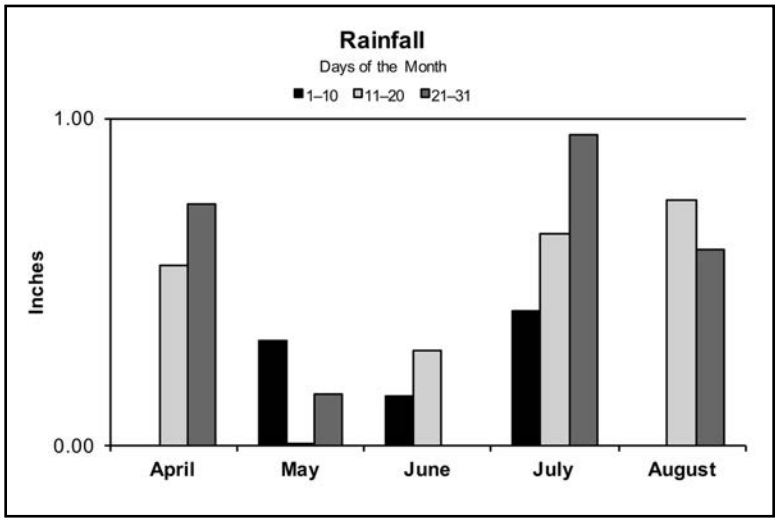
ADRON FARMS, MINTER CITY

Crop Summary

Planting at this location was delayed somewhat due to frequent spring rains. The plots were planted into a seedbed with good soil moisture that had been harrowed just before planting. All plots quickly emerged to a good stand. Furrow irrigation supplemented soil moisture when needed during the growing season. Harvest was completed in a timely manner, and excellent yields were observed at this location.

Soil type . . . . . **Dubbs and Dundee silt loam**
Soil pH **6.1**
Soil fertility . . . . . **P=H, K=M**
Fertilizer added . . . . . **Starter — 10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2) on April 19**
Topdress — Urea @ 550 lb/A (three applications of 200 lb, 250 lb, and 100 lb)
Herbicide application . . . **Preemergence — Lexar @ 2 qt/A on April 19**
Postemergence — Atrazine @ 1 qt/A and Halex GT @ 56 oz/A
Previous crop . . . . . **Corn**
Planting date . . . . . **April 19**
Harvest date . . . . . **August 30**
Irrigation . . . . . **Furrow irrigated as needed (four times)**





Rainfall Summary

	Inches
April	1.29
May	0.49
June	0.44
July	2.01
August	1.35
Total	5.58

Table 12. Results from 77 corn hybrids grown with furrow irrigation on a Dubs and Dundee silt loam soil near Minter City, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
DeKalb	DKC68-26	274.6	255.3	—	57	17.5	34
AgriGold Hybrids	A6544VT2PRO	273.7	—	—	50	16.3	30
Dyna-Gro	D57VP75	271.5	254.9	257.2	62	16.9	37
Progeny Ag	PGY5115VT2P	267.2	234.3	229.9	43	16.2	26
DeKalb	DKC66-75	264.8	—	—	51	16.7	31
Augusta	5062	264.5	—	—	49	16.8	29
DeKalb	DKC70-27	263.8	—	—	54	18.1	32
AgVenture	RL9801YHB	262.9	240.9	—	53	18.5	32
Augusta	8868	262.2	247.9	248.1	60	16.8	36
Armor	1717PRO2	258.8	239.2	—	53	17.2	32
Pioneer	P1637YHR	257.5	—	—	54	17.0	32
Pioneer	P2089YHR~S	253.2	—	—	55	18.0	33
AgriGold Hybrids	A6711VT2PRO	252.6	226.6	—	41	17.6	25
AgriGold Hybrids	A6687VT2PRO	251.4	236.7	242.8	57	16.5	34
Armor	1414	251.0	243.8	249.7	53	16.7	32
DeKalb	DKC62-20RIB	250.7	—	—	52	16.0	31
Croplan	5678VT2P	250.5	—	—	47	17.1	28
AgVenture	RL8430YHB	249.6	242.3	—	50	16.3	30
Dyna-Gro	D57VP51	249.1	241.0	240.7	50	17.3	30
AgVenture	RL9583YHB	247.8	246.3	—	45	18.3	27
AgVenture	RL8714YHB	247.5	—	—	54	16.8	32
Pioneer	P1197YHR	245.4	—	—	48	16.2	29
Augusta	7766	245.0	—	—	49	16.7	29
AgriGold Hybrids	A6652VT2PRO	243.9	—	—	52	16.3	31
Croplan	5290DG/VT2P	243.8	—	—	50	16.5	30
Dyna-Gro	D58VC37	243.8	227.6	—	49	17.2	29
Terral Seed	REV 26BHR50	243.7	244.4	247.2	55	18.1	33
Augusta	7767	243.5	229.6	231.5	50	17.6	30
Great Heart Seed	HT-7778 VT3PRIB	243.5	233.9	243.1	55	17.0	33
DeKalb	DKC62-08	242.4	229.8	232.8	56	16.0	34
B-H Genetics	BH 8590VT2P	242.3	—	—	43	16.8	26
Terral Seed	REV 23BHR55	242.0	238.0	241.4	56	16.1	34
Armor	AXC6116PRO2 *	241.3	—	—	52	16.2	31
AgriGold Hybrids	A6572VT2PRO	241.0	—	—	46	16.6	28
AgriGold Hybrids	A6719VT2PRO	240.6	226.4	232.8	58	16.9	35
DeKalb	DKC67-44	240.3	—	—	49	17.2	29
Progeny Ag	PGY 6116VT2P	239.0	222.4	—	46	16.9	28
AgriGold Hybrids	A6559VT2RIB	236.2	217.7	—	55	16.2	33
B-H Genetics	BH 9000VT2P	234.7	—	—	49	17.5	29
DeKalb	DKC67-14	234.3	226.5	—	49	17.3	29
DeKalb	DKC64-35	233.8	—	—	51	16.6	31
DeKalb	DKC66-59	232.9	224.2	—	50	17.1	30
Croplan	6640VT3	232.9	220.9	230.5	49	16.4	29
Augusta	1564	231.8	—	—	47	16.8	28
Augusta	1565 *	231.2	—	—	58	17.6	35
Mycogen	X14730VH *	230.9	—	—	54	17.3	32
Mycogen	X13726VH *	230.5	219.1	—	56	17.8	34
Croplan	5570VT2P	230.3	—	—	49	16.6	29
Augusta	5566	229.6	—	—	48	19.1	29
DeKalb	DKC67-72	229.3	215.9	—	46	16.9	28
Progeny Ag	PGY 6119VT2P	227.7	—	—	54	17.5	32
Terral Seed	REV 28HR20	226.8	225.7	236.0	57	17.7	34
Armor	AXG6118 *	226.5	—	—	48	18.7	29
AgriGold Hybrids	A6499VT2 RIB	224.1	214.1	223.1	47	16.3	28
Terral Seed	REV 25BHR26	222.2	228.2	—	49	16.5	29
Delta Grow	DG 2688	221.5	—	—	51	16.6	31
AgriGold Hybrids	A6659VT2 RIB	220.7	224.8	227.1	52	17.0	31
Mycogen	X14677S2 *	220.5	—	—	44	15.9	26
Terral Seed	REV 28R10	220.2	—	—	55	17.4	33

[1]Hybrid followed by an asterisk indicates an experimental entry.

Table 12 (cont.). Results from 77 corn hybrids grown with furrow irrigation on a Dubs and Dundee silt loam soil near Minter City, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Mycogen	X13813VH *	219.9	213.2	—	62	17.0	37
Great Heart Seed	HX-8033-3110VIP	219.8	—	—	54	18.9	32
Augusta	7768	218.7	233.8	245.7	54	19.1	32
Great Heart Seed	HT-7493VT2P	217.2	—	—	46	16.9	28
Progeny Ag	PGY 4117VT3P	216.8	208.6	218.0	61	17.1	37
Mycogen	2D848	216.7	222.6	—	56	18.4	34
Delta Grow	DG 2888	215.6	218.7	230.0	53	18.1	32
Terral Seed	REV 24BHR93	214.2	214.8	225.7	53	16.7	32
Augusta	5664	212.8	—	—	48	17.7	29
Mycogen	2C797	212.7	211.1	214.2	54	16.2	32
Delta Grow	DG 3660	210.4	203.5	207.3	47	18.2	28
Dyna-Gro	D54VC52	207.8	—	—	51	16.9	31
Armor	1500PRO2	202.7	—	—	49	17.2	29
Mycogen	2Y744	201.8	186.3	—	42	15.7	25
NK	68K	201.4	—	—	47	15.7	28
Mycogen	X13823S3 *	201.0	—	—	52	16.2	31
NK	69D	200.3	—	—	51	16.6	31
Progeny Ag	PGY EXP1615VT2P *	198.1	—	—	42	16.8	25
Mean		235.4					
LSD		21.5					
Error df		228					
CV		7.8					
R^2		59					

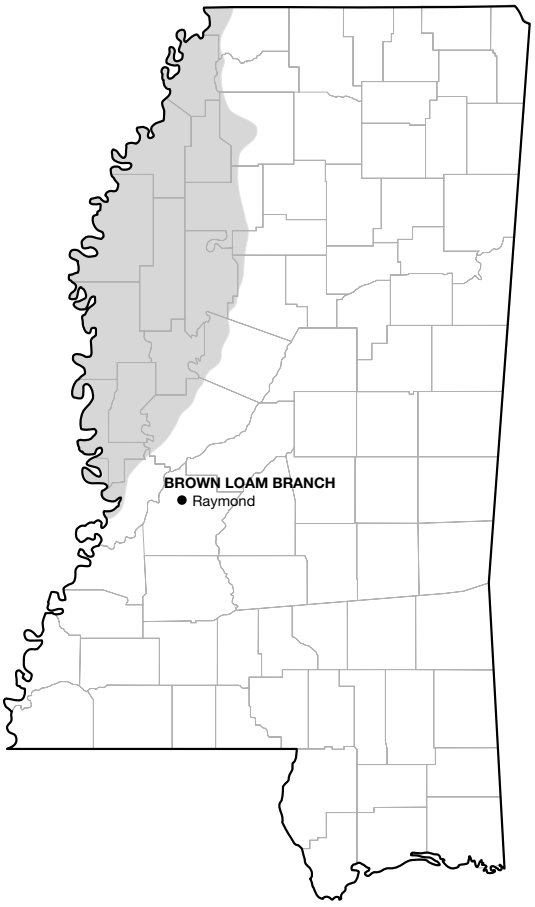
[1]Hybrid followed by an asterisk indicates an experimental entry.

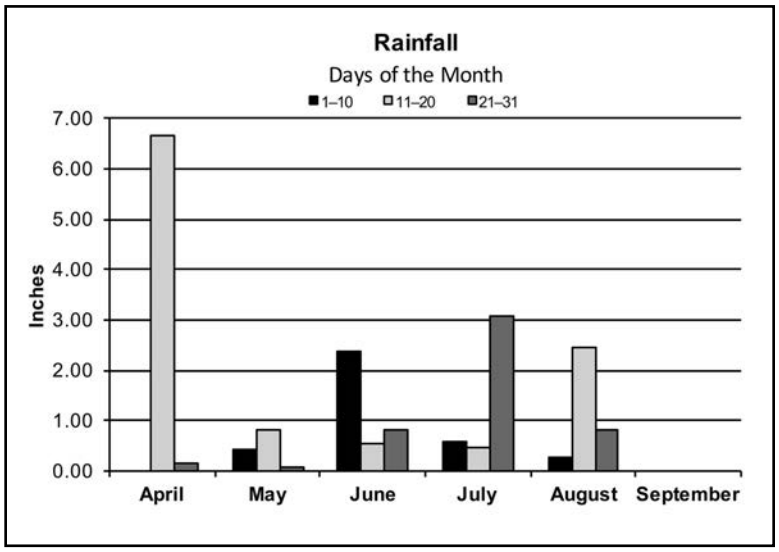
MAFES BROWN LOAM BRANCH, RAYMOND

Crop Summary

The corn plots were planted on April 5 into a conventionally tilled seedbed with adequate moisture for germination. Frequent and heavy rains following this initial planting resulted in less-than-desirable stands. This location was replanted on April 29 after the destruction of the April 5 planting. All plots emerged to a good stand. The later planting date resulted in the corn suffering from a lack of rainfall during the grain-filling period. Harvest was made in a timely manner; however, yields were slightly below expectations at this location.

Soil type . . . . . **Loring silt loam**
Soil pH **5.6**
Soil fertility . . . . . **P=L, K=L**
Fertilizer added . . . . . **Starter — 10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2) on April 5**
Preplant — 13-13-13 @ 200 lb/A
Topdress — N @ 173 lb/A (33-0-0-11S) on May 18
Herbicide application . . . **Preemergence — Lexar @ 2 qt/A and Roundup PowerMAX @ 1 qt/A on April 5; Dual @ 1 pt/A and Gramoxone @ 1 qt/A on April 29**
Postemergence — Roundup PowerMAX @ 32 oz/A, Callisto @ 3 oz/A, and Atrazine @ 8 oz/A on May 18
Previous crop . . . . . **Wheat**
Planting date . . . . . **April 5, replanted on April 29**
Harvest date . . . . . **September 7**





Rainfall Summary

	Inches
April	6.82
May	1.35
June	3.73
July	4.14
August	3.54
September	0.00
Total	19.58

Table 13. Results from 62 corn hybrids grown without irrigation on a Loring silt loam at the MAFES Brown Loam Branch, Raymond, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Croplan	6640VT3	163.7	—	—	41	15.6	31
Dyna-Gro	D57VP75	163.3	—	—	39	15.9	28
Armor	1717	162.9	—	—	35	16.3	32
Pioneer	P1197YHR	159.9	—	—	43	15.4	30
Progeny Ag	PGY 5115VT2P	154.6	—	—	34	15.3	32
Dyna-Gro	D57VP51	153.5	—	—	47	15.8	29
AgVenture	Av204y	151.8	—	—	44	16.0	31
NK Brand	68K	150.0	—	—	50	15.0	32
DeKalb	DKC67-44	149.9	—	—	42	16.8	29
AgriGold	A6659 VT2 RIB	147.9	—	—	43	16.2	29
Mycogen	X13813VH *	147.1	—	—	44	16.7	35
DeKalb	DKC64-35	146.6	—	—	49	16.9	29
Mycogen	2D848	143.9	—	—	49	17.3	33
DeKalb	DKC62-20RIB	143.8	—	—	40	15.2	33
DeKalb	DKC66-75	142.9	—	—	49	16.2	31
Augusta	7766	141.9	—	—	41	15.4	32
Progeny Ag	PGY 4117 VT3P	141.6	—	—	36	15.4	30
DeKalb	DKC66-59	140.8	—	—	37	15.8	31
Pioneer	P2089YHR~S	139.7	—	—	52	16.1	31
Mycogen	X14730VH *	138.3	—	—	46	16.5	35
DeKalb	DKC67-14	137.6	—	—	44	15.9	33
DeKalb	DKC70-27	136.2	—	—	46	17.2	34
AgriGold	A6687VT2PRO	134.6	—	—	41	16.9	31
Mycogen	X13823S3 *	131.6	—	—	37	15.5	34
DeKalb	DKC67-72	131.5	—	—	37	16.6	34
Augusta	1564	130.6	—	—	46	15.3	31
Delta Grow	DG 2688	129.3	—	—	47	15.2	34
Progeny Ag	PGY 6116VT2P	129.2	—	—	41	17.0	28
Pioneer	P1637YHR	128.4	—	—	44	15.3	31
AgriGold	A6711VT2PRO	128.0	—	—	42	15.9	31
AgriGold	A6544VT2PRO	128.0	—	—	46	14.9	32
Terral Seed	REV 26BHR50	127.7	—	—	40	16.5	25
AgriGold	A6572VT2PRO	127.0	—	—	40	15.7	31
Mycogen	2C797	126.8	—	—	49	15.3	34
Armor	1500	126.8	—	—	40	15.8	26
DeKalb	DKC68-26	125.9	—	—	32	16.3	33
Croplan	5290DG/VT2P	125.9	—	—	36	15.7	33
Armor	1414	124.3	—	—	43	15.2	32
Progeny Ag	PGY 6119VT2P	117.9	—	—	46	16.5	30
DeKalb	DKC62-08	116.5	—	—	40	15.6	32
Great Heart Seed	HT 7261 VT3P RIB	116.3	—	—	41	16.3	30
AgriGold	A6499VT2RIB	115.7	—	—	38	14.6	32
Terral Seed	REV 25BHR26	114.5	—	—	50	15.7	26
Terral Seed	REV 22BHR43	113.1	—	—	40	15.9	27
Progeny Ag	PGY EXP1615VT2P *	112.9	—	—	40	15.4	29
Augusta	5566	112.3	—	—	43	16.7	28
Terral Seed	REV 23BHR55	112.0	—	—	42	15.9	24
Augusta	5664	111.6	—	—	53	16.2	32
Mycogen	X14677S2 *	110.1	—	—	42	15.2	34
Terral Seed	REV 24BHR93	109.1	—	—	39	15.6	23
NK Brand	69D	108.3	—	—	49	15.8	29
Dyna-Gro	D54VC52	108.2	—	—	46	15.7	24
Terral Seed	REV 28R10	105.4	—	—	44	15.8	26
Delta Grow	DG 2888	104.2	—	—	38	16.1	32
Terral Seed	REV 28HR20	101.2	—	—	40	17.1	24
Mycogen	2Y744	100.9	—	—	36	14.7	33
Armor	AXG6118 *	99.6	—	—	35	15.8	27
AgriGold	A6652VT2PRO	99.3	—	—	47	15.1	31
AgriGold	A6559VT2RIB	91.1	—	—	39	15.0	33

[1]Hybrid followed by an asterisk indicates an experimental entry.

Table 13 (cont.). Results from 62 corn hybrids grown without irrigation on a Loring silt loam at the MAFES Brown Loam Branch, Raymond, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
AgriGold	A6719VT2PRO	85.5	—	—	49	16.5	28
Armor	AXC6116 *	81.8	—	—	39	15.4	32
Delta Grow	DG 3660	72.6	—	—	44	17.1	32
Mean		126.4					
LSD		21.6					
Error df		122					
CV		12.6					
R^2		71.8					

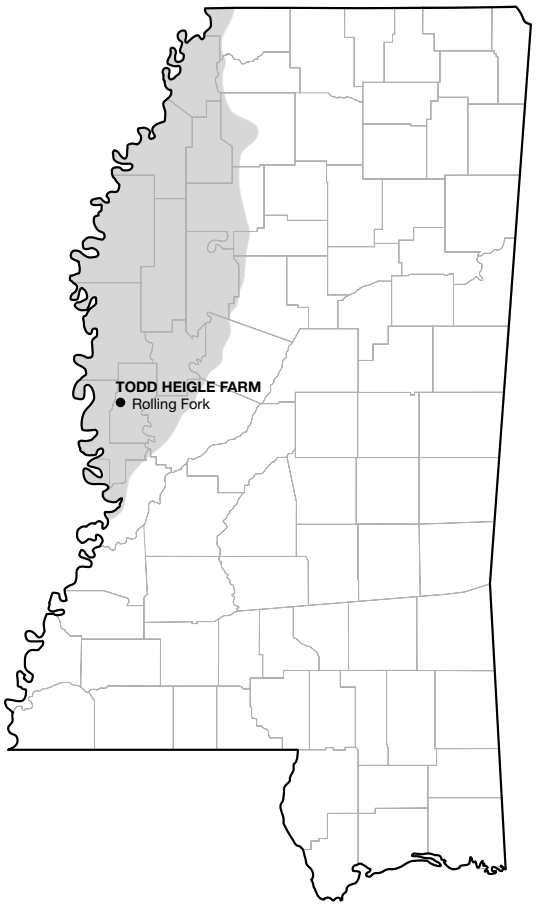
[1]Hybrid followed by an asterisk indicates an experimental entry.

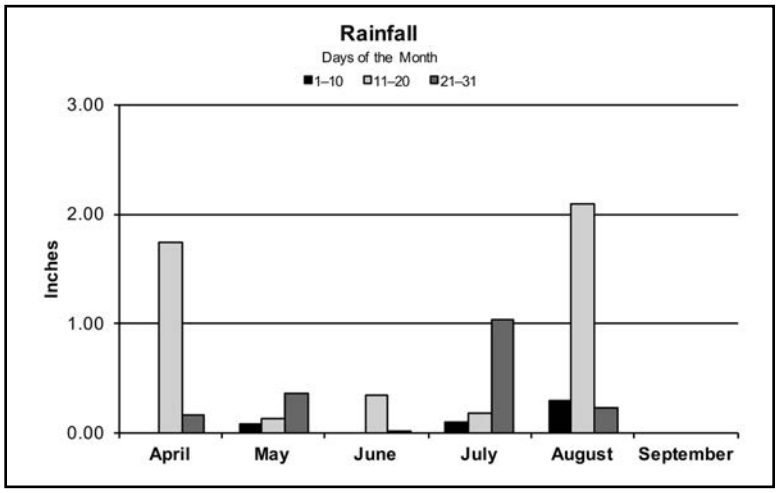
TODD HEIGLE FARM, ROLLING FORK

Crop Summary

The corn plots were planted into a stale seedbed that had been prepared the previous fall. Moisture was optimum at planting for germination. The plots quickly emerged to a stand. Timely rainfall and irrigation allowed for ample soil moisture throughout the growing season. Harvest was made in a timely manner, and good yields were observed.

Soil type . . . . . **Commerce silty clay loam**
Soil pH **6.3**
Soil fertility . . . . . **P=H, K=H**
Fertilizer added . . . . . **Starter — 10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2) on April 6**
Topdress — N @ 240 lb/A (Urea [46-0-0] applied as a split application)
Herbicide application . . . **Preemergence — Roundup PowerMAX @ 1 qt/A and Dual II Magnum @ 24 oz/A on April 6**
Postemergence — Corvus @ 4 oz/A and Atrazine @ 1.5 qt/A
Previous crop . . . . . **Soybeans**
Planting date . . . . . **April 6**
Harvest date . . . . . **September 1**
Irrigation . . . . . **Furrow irrigated as needed**





Rainfall Summary

	Inches
April	1.92
May	0.58
June	0.36
July	1.32
August	2.62
September	0.00
Total	6.80

Table 14. Results from 77 corn hybrids grown with furrow irrigation on a Commerce silty clay loam soil near Rolling Fork, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
AgVenture	RL8714YHB	249.0	—	—	38	14.4	33
Terral Seed	REV 28R10	245.4	—	—	38	15.1	30
Great Heart Seed	HT-7778 VT3PRIB	243.7	233.9	245.4	48	14.4	35
Pioneer	P1637YHR	243.0	—	—	39	14.4	33
Pioneer	P2089YHR~S	242.9	—	—	40	15.0	31
Mycogen	X13813VH *	242.8	233.7	—	44	14.5	34
Progeny Ag	PGY5115VT2P	240.9	227.8	230.3	39	14.4	36
AgVenture	RL9583YHB	240.4	248.5	—	39	16.3	34
Mycogen	2D848	239.8	239.4	—	41	16.4	37
Augusta	7766	238.5	—	—	44	14.4	35
AgVenture	RL8430YHB	237.4	246.2	—	41	13.9	33
Great Heart Seed	HX-8033-3110VIP	237.1	—	—	47	16.0	33
Mycogen	X14677S2 *	235.3	—	—	37	13.8	36
AgVenture	RL9801YHB	234.8	246.6	—	44	15.7	33
Terral Seed	REV 28HR20	233.5	247.7	242.8	36	15.4	28
DeKalb	DKC68-26	232.3	234.6	—	36	14.6	33
B-H Genetics	BH 9000VT2P	231.3	—	—	41	15.1	34
AgriGold Hybrids	A6652VT2PRO	228.1	—	—	38	14.2	34
Augusta	5566	227.5	—	—	38	15.1	35
DeKalb	DKC67-14	227.4	233.8	—	40	15.1	33
AgriGold Hybrids	A6719VT2PRO	226.7	231.9	236.1	37	14.4	31
Augusta	7768	226.0	238.6	251.5	40	16.1	34
Delta Grow	DG 3660	225.9	218.4	221.8	38	14.8	29
Mycogen	2C797	225.0	220.1	227.3	38	14.1	31
Terral Seed	REV 23BHR55	224.5	234.4	242.0	44	14.1	31
Armor	AXG6118 *	223.9	—	—	41	14.5	32
Mycogen	X14730VH *	223.7	—	—	40	15.2	32
DeKalb	DKC64-35	222.7	—	—	45	14.9	33
AgriGold Hybrids	A6544VT2PRO	222.5	—	—	40	13.7	32
Armor	AXC6116PRO2 *	222.4	—	—	38	14.3	31
Terral Seed	REV 26BHR50	222.2	230.7	247.2	32	15.5	30
DeKalb	DKC66-59	221.1	223.6	—	35	14.4	32
DeKalb	DKC70-27	220.8	—	—	40	15.1	34
Delta Grow	DG 2888	219.7	210.1	223.0	39	14.8	32
AgriGold Hybrids	A6711VT2PRO	219.3	220.6	—	35	14.5	32
DeKalb	DKC67-72	219.3	211.4	—	38	14.6	34
Croplan	6640VT3	218.6	223.2	235.2	37	14.7	28
DeKalb	DKC67-44	218.5	—	—	43	15.1	32
AgriGold Hybrids	A6559VT2RIB	217.5	221.3	—	42	14.2	32
Augusta	8868	217.4	235.2	240.3	44	14.3	30
Armor	1717PRO2	217.0	232.8	—	35	14.7	34
Mycogen	X13823S3 *	216.7	—	—	40	14.6	35
AgriGold Hybrids	A6687VT2PRO	216.6	221.4	230.7	34	14.7	32
Dyna-Gro	D57VP51	215.9	229.6	226.0	36	14.4	32
Terral Seed	REV 25BHR26	213.3	229.1	—	39	14.3	33
DeKalb	DKC62-08	212.9	218.9	219.9	43	14.1	34
Great Heart Seed	HT-7493VT2P	212.3	—	—	50	14.8	30
Mycogen	X13726VH *	212.1	226.3	—	46	15.1	30
Progeny Ag	PGY 6116VT2P	212.0	206.2	—	35	14.4	30
Croplan	5570VT2P	211.7	—	—	42	14.5	31
Croplan	5678VT2P	211.5	—	—	33	14.4	29
Mycogen	2Y744	210.6	197.7	—	33	13.7	32
Augusta	5664	210.4	—	—	41	15.3	32
DeKalb	DKC66-75	210.3	—	—	48	14.7	31
AgriGold Hybrids	A6499VT2 RIB	210.0	219.5	224.6	39	14.0	33
Augusta	1564	209.8	—	—	39	14.1	33
Augusta	1565 *	208.9	—	—	40	14.4	29
Dyna-Gro	D58VC37	207.4	222.6	—	35	14.7	29
Augusta	5062	207.2	—	—	38	14.6	33

[1]Hybrid followed by an asterisk indicates an experimental entry.

Table 14 (cont.). Results from 77 corn hybrids grown with furrow irrigation on a Commerce silty clay loam soil near Rolling Fork, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Delta Grow	DG 2688	205.0	—	—	46	14.2	31
Terral Seed	REV 24BHR93	205.0	215.1	232.9	40	14.6	30
Dyna-Gro	D54VC52	204.6	—	—	36	14.6	31
Augusta	7767	203.0	211.6	217.2	38	14.7	31
Croplan	5290DG/VT2P	202.5	—	—	45	14.5	30
AgriGold Hybrids	A6572VT2PRO	201.3	—	—	40	14.6	30
AgriGold Hybrids	A6659VT2 RIB	200.0	224.7	222.9	39	14.2	30
B-H Genetics	BH 8590VT2P	199.9	—	—	42	14.5	28
NK	69D	199.3	—	—	39	14.8	32
Armor	1500PRO2	198.1	—	—	36	14.4	28
Pioneer	P1197YHR	198.0	—	—	39	14.1	30
Dyna-Gro	D57VP75	194.9	223.5	239.5	43	14.6	28
DeKalb	DKC62-20RIB	194.3	—	—	41	13.9	32
Progeny Ag	PGY 4117VT3P	193.6	204.8	220.6	38	14.4	28
NK	68K	184.1	—	—	34	13.5	33
Progeny Ag	PGY EXP1615VT2P *	182.3	—	—	35	14.4	27
Progeny Ag	PGY 6119VT2P	182.3	—	—	37	14.8	28
Armor	1414	178.6	208.9	223.2	36	14.3	29
Mean		217.4					
LSD		26.7					
Error df		152					
CV		9.1					
R^2		51.2					

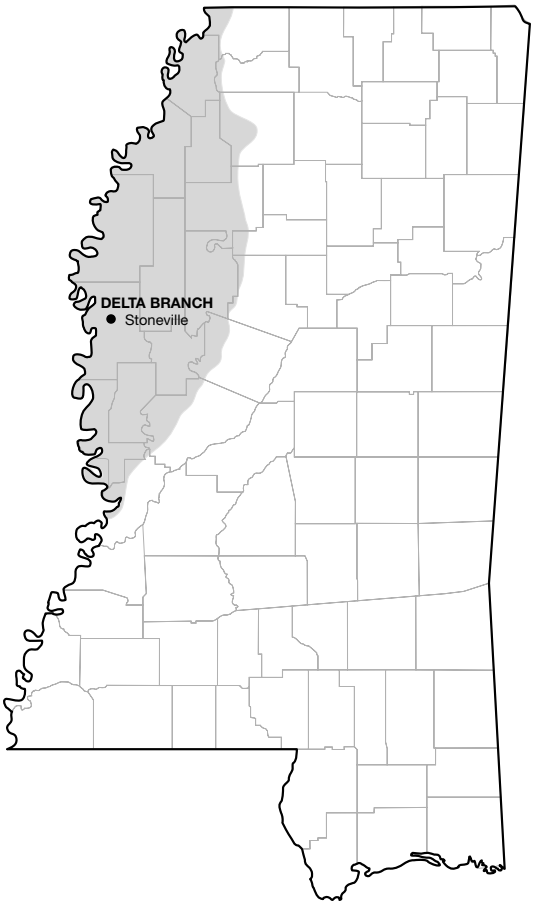
[1]Hybrid followed by an asterisk indicates an experimental entry.

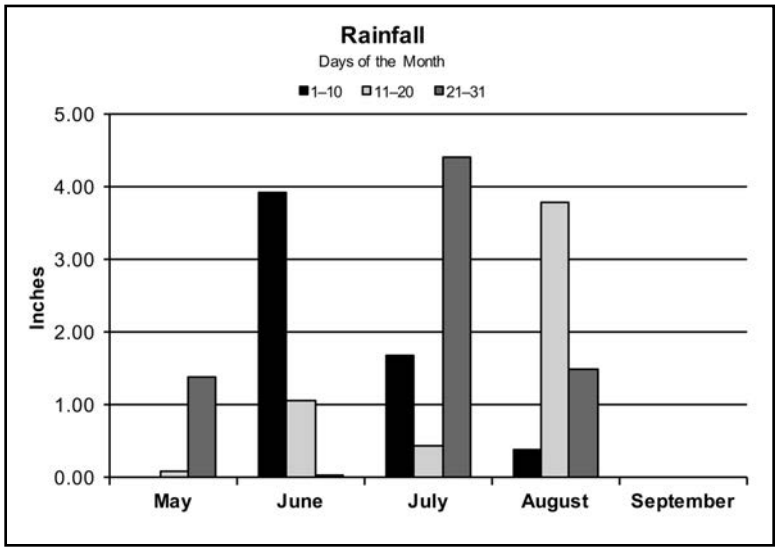
MAFES DELTA BRANCH, STONEVILLE (CLAY)

Crop Summary

Spring rains delayed planting later than the desired planting window. The plots were planted in early May into a stale seedbed with good soil moisture for germination. All plots emerged to a good stand. Frequent rains during the late summer resulted in the station having to irrigate only once. Considering the early May planting date, good yields were observed. Harvest was made in a timely manner.

Soil type . . . . . Sharkey clay
Soil pH 6.8
Soil fertility . . . . . P=H, K=H
Fertilizer added . . . . . Starter — 10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2) on May 5
Sidedress — N @ 125 lb/A (32% UAN) on May 16 and May 25
Herbicide application . . . Preemergence — Lexar @ 3 qt/A and Gramoxone @ 1 qt/A on May 5
Previous crop . . . . . Soybeans
Planting date . . . . . May 5
Harvest date . . . . . September 1
Irrigation . . . . . July 19





Rainfall Summary

	Inches
May	1.50
June	5.02
July	6.56
August	5.70
September	0.00
Total	18.78

Table 15. Results from 77 corn hybrids grown with furrow irrigation on a Sharkey clay soil at MAFES Delta Branch, Stoneville, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Great Heart Seed	HX-8033-3110VIP	219.5	—	—	38	19.9	34
DeKalb	DKC67-14	213.1	181.4	—	35	18.5	31
DeKalb	DKC67-44	208.3	—	—	38	18.3	31
Delta Grow	DG 3660	203.8	181.8	197.0	38	18.7	31
Augusta	7768	202.9	196.0	208.5	44	19.9	31
Dyna-Gro	D57VP51	201.8	190.8	199.4	33	18.0	31
DeKalb	DKC66-75	198.1	—	—	43	18.6	36
AgriGold Hybrids	A6652VT2PRO	197.7	—	—	42	16.4	35
AgriGold Hybrids	A6659VT2 RIB	196.5	184.7	187.9	40	17.9	32
DeKalb	DKC70-27	195.6	—	—	39	20.2	27
DeKalb	DKC67-72	194.7	177.1	—	38	17.9	37
Armor	1717PRO2	193.9	175.8	—	37	18.7	32
Dyna-Gro	D58VC37	193.3	179.7	—	36	18.0	34
AgriGold Hybrids	A6544VT2PRO	192.1	—	—	34	17.5	29
AgVenture	RL8714YHB	191.9	—	—	37	18.7	33
AgriGold Hybrids	A6711VT2PRO	191.8	187.2	—	38	18.3	35
Augusta	7767	191.2	182.5	192.6	38	18.5	27
Croplan	5290DG/VT2P	191.0	—	—	33	17.2	35
AgVenture	RL9801YHB	191.0	184.7	—	44	20.0	35
AgriGold Hybrids	A6719VT2PRO	190.7	178.2	192.9	52	18.7	29
AgVenture	RL9583YHB	190.5	182.6	—	38	18.9	29
Mycogen	2D848	190.3	176.4	—	36	20.0	33
DeKalb	DKC68-26	189.5	161.1	—	40	18.3	32
B-H Genetics	BH 9000VT2P	188.6	—	—	34	18.1	32
DeKalb	DKC62-20RIB	187.4	—	—	37	16.1	39
DeKalb	DKC66-59	187.2	161.8	—	33	16.4	36
AgVenture	RL8430YHB	185.9	175.0	—	37	18.4	32
Pioneer	P1637YHR	185.9	—	—	38	18.4	34
Croplan	6640VT3	185.9	171.7	189.6	35	16.7	35
Mycogen	2C797	185.1	179.6	187.0	38	17.3	29
Croplan	5570VT2P	184.5	—	—	44	16.7	30
DeKalb	DKC62-08	184.5	160.0	177.8	43	17.4	40
Augusta	5062	183.8	—	—	31	17.1	35
Armor	1414	183.0	169.3	180.0	41	16.8	33
Croplan	5678VT2P	182.6	—	—	31	18.1	34
Augusta	5566	181.9	—	—	39	20.9	32
Terral Seed	REV 25BHR26	180.6	162.0	—	34	18.6	29
Pioneer	P1197YHR	180.6	—	—	33	17.1	34
Terral Seed	REV 28R10	178.8	—	—	42	19.6	29
Augusta	8868	178.6	169.1	186.1	44	17.3	34
B-H Genetics	BH 8590VT2P	178.1	—	—	34	18.4	31
AgriGold Hybrids	A6572VT2PRO	177.7	—	—	38	17.2	33
Progeny Ag	PGY 6119VT2P	177.5	—	—	37	18.6	26
Terral Seed	REV 26BHR50	176.0	163.5	182.5	37	18.9	29
Delta Grow	DG 2688	175.5	—	—	39	17.4	38
Armor	AXG6118 *	175.5	—	—	38	21.4	29
AgriGold Hybrids	A6687VT2PRO	175.3	173.4	183.8	36	17.2	31
Great Heart Seed	HT-7493VT2P	175.3	—	—	43	18.1	31
Progeny Ag	PGY 6116VT2P	175.1	169.3	—	37	18.5	26
Progeny Ag	PGY 4117VT3P	175.1	161.5	169.1	40	18.1	29
Mycogen	X13823S3 *	175.0	—	—	38	17.8	32
NK	68K	174.9	—	—	35	15.4	33
AgriGold Hybrids	A6559VT2RIB	173.8	159.3	—	45	16.7	29
Progeny Ag	PGY5115VT2P	173.7	163.4	173.4	38	16.5	35
Terral Seed	REV 23BHR55	172.1	159.7	177.4	42	19.5	35
Delta Grow	DG 2888	172.1	163.6	176.8	39	18.8	35
Dyna-Gro	D57VP75	172.0	168.5	183.1	38	17.3	35
DeKalb	DKC64-35	170.5	—	—	42	19.5	35
Great Heart Seed	HT-7778 VT3PRIB	170.5	165.1	187.7	44	17.1	34

[1]Hybrid followed by an asterisk indicates an experimental entry.

Table 15 (cont.). Results from 77 corn hybrids grown with furrow irrigation on a Sharkey clay soil at MAFES Delta Branch, Stoneville, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	
Mycogen	X13726VH *	168.7	166.1	—	43	19.1	36
Armor	AXC6116PRO2 *	168.7	—	—	39	17.0	27
Augusta	1564	168.3	—	—	41	16.9	34
Pioneer	P2089YHR~S	166.1	—	—	39	19.2	32
Dyna-Gro	D54VC52	165.7	—	—	35	18.0	34
Terral Seed	REV 28HR20	163.8	157.3	177.3	43	20.0	27
Augusta	7766	163.0	—	—	39	16.6	32
Augusta	5664	162.3	—	—	38	18.1	37
NK	69D	161.1	—	—	32	17.2	27
Mycogen	X14730VH *	157.9	—	—	37	17.7	33
Mycogen	X13813VH *	156.6	140.7	—	40	18.2	35
Armor	1500PRO2	156.2	—	—	35	17.3	28
AgriGold Hybrids	A6499VT2 RIB	155.8	157.5	164.8	34	16.6	30
Mycogen	X14677S2 *	149.7	—	—	30	16.8	27
Terral Seed	REV 24BHR93	145.8	146.9	171.3	36	18.2	28
Augusta	1565 *	144.9	—	—	35	17.2	29
Mycogen	2Y744	139.2	147.5	—	25	16.7	26
Progeny Ag	PGY EXP1615VT2P *	132.1	—	—	31	16.6	21
Mean		179.2					
LSD		12.3					
Error df		228					
CV		5.9					
R^2		77					

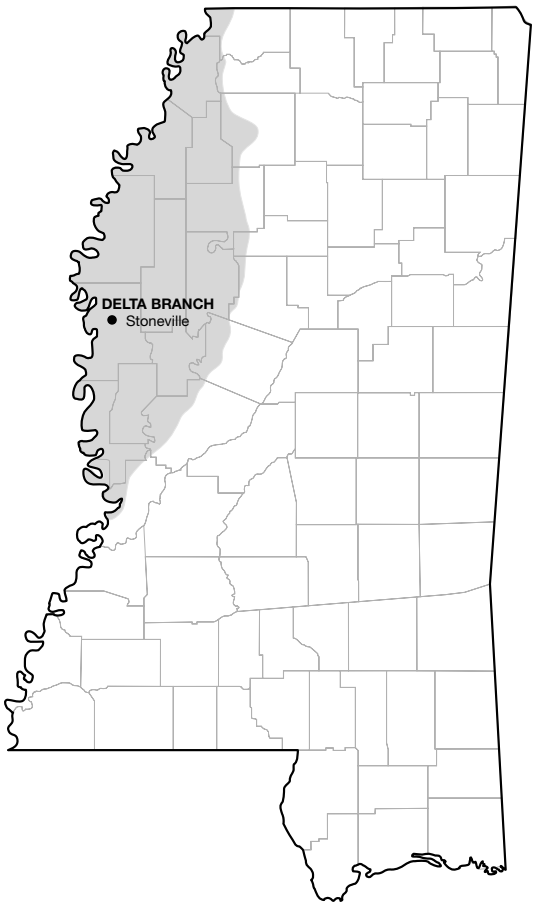
[1]Hybrid followed by an asterisk indicates an experimental entry.

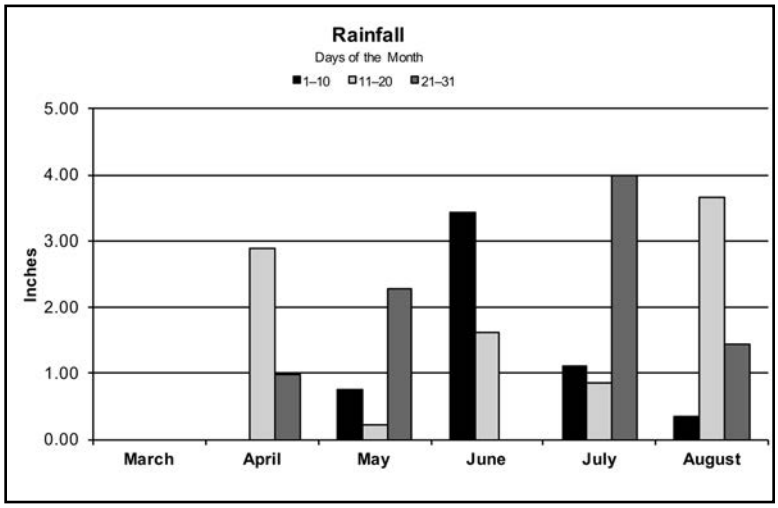
MAFES DELTA BRANCH, STONEVILLE (LOAM)

Crop Summary

The plots were planted into a conventionally tilled seedbed that had been hipped and do-alled just before planting. Soil moisture was perfect at the time of planting for quick germination and uniform emergence. All plots emerged to a stand. Spring rains after planting delayed nitrogen sidedress applications, resulting in all nitrogen being applied at once in early May. The remainder of the growing season was favorable, with frequent rainfall during late summer. Harvest was completed in a timely manner in late August.

Soil type . . . . . **Bosket and Commerce very fine sandy loam**
Soil pH **6.8**
Soil fertility . . . . . **P=H, K=H**
Fertilizer added . . . . . **Starter — 10-20-5-1S-0.43ZN @ 20 gal/A (applied 2x2) on March 28**
Sidedress — N @ 250 lb/A (32% UAN) on May 5
Herbicide application . . . **Preemergence — Lexar @ 2 qt/A on March 28**
Postemergence — Roundup PowerMAX @ 32 oz/A, Callisto @ 3 oz/A, and Atrazine @ 8 oz/A on May 5
Previous crop . . . . . **Cotton**
Planting date . . . . . **March 28**
Harvest date . . . . . **August 29**
Irrigation . . . . . **June 30, July 18**





Rainfall Summary

	Inches
March	0.00
April	3.89
May	3.26
June	5.06
July	5.96
August	5.44
Total	23.61

Table 16. Results from 77 corn hybrids grown with furrow irrigation on a Bosket and Commerce very fine sandy loam soil at the MAFES Delta Branch, Stoneville, 2016.

Brand name	Hybrid number[1]	2016 yield	2-year average	3-year average	Ear height	Stalk lodging	Moisture content	Harvested population (x1000)
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*%*	
DeKalb	DKC70-27	240.7	—	—	49	0	17.5	35
Augusta	8868	236.0	249.2	257.5	44	0	16.3	34
DeKalb	DKC66-59	235.7	242.2	—	41	0	16.5	35
Pioneer	P1637YHR	231.6	—	—	41	0	16.0	33
Mycogen	X13813VH *	230.1	235.9	—	45	0	16.0	34
DeKalb	DKC67-44	229.8	—	—	38	0	16.7	34
DeKalb	DKC66-75	229.0	—	—	45	0	16.0	34
AgVenture	RL8430YHB	226.5	252.1	—	45	6	15.6	31
DeKalb	DKC64-35	226.5	—	—	35	0	16.4	34
Terral Seed	REV 28R10	224.6	—	—	46	0	16.7	31
AgVenture	RL9801YHB	224.5	252.8	—	44	5	17.5	34
Progeny Ag	PGY5115VT2P	224.2	229.3	234.7	39	0	16.6	35
DeKalb	DKC68-26	224.2	235.1	—	42	0	16.4	34
Progeny Ag	PGY 6116VT2P	224.1	227.6	—	48	0	16.2	29
AgVenture	RL8714YHB	223.7	—	—	49	0	15.6	33
B-H Genetics	BH 8590VT2P	223.2	—	—	45	0	16.2	31
AgriGold Hybrids	A6572VT2PRO	223.1	—	—	40	0	16.3	33
DeKalb	DKC62-08	222.8	236.3	241.7	40	0	15.5	35
Croplan	5678VT2P	222.1	—	—	40	2	16.1	29
Mycogen	2D848	221.5	240.6	—	38	0	17.9	34
Armor	1717PRO2	220.8	243.5	—	41	0	16.2	32
Great Heart Seed	HT-7493VT2P	220.6	—	—	43	0	16.2	31
Pioneer	P1197YHR	220.0	—	—	36	0	15.4	32
DeKalb	DKC67-14	219.8	240.7	—	45	0	16.0	35
Terral Seed	REV 23BHR55	219.8	246.2	253.2	50	0	15.6	28
Dyna-Gro	D57VP75	219.7	248.9	251.5	45	0	16.2	32
Armor	1414	219.6	241.0	241.8	46	0	16.2	32
Pioneer	P2089YHR~S	219.3	—	—	37	14	16.8	30
Great Heart Seed	HX-8033-3110VIP	218.5	—	—	43	2	18.1	33
Mycogen	X14730VH *	217.8	—	—	40	0	17.0	34
AgriGold Hybrids	A6711VT2PRO	217.7	231.1	—	36	0	16.0	35
AgVenture	RL9583YHB	217.3	240.9	—	39	4	17.9	33
Terral Seed	REV 28HR20	216.2	242.8	257.2	46	0	16.8	29
AgriGold Hybrids	A6544VT2PRO	215.6	—	—	37	0	15.0	31
AgriGold Hybrids	A6719VT2PRO	215.1	232.5	236.0	33	0	16.0	30
Mycogen	X13726VH *	213.9	236.1	—	44	0	16.8	34
Terral Seed	REV 25BHR26	213.2	245.9	—	51	0	15.9	27
Dyna-Gro	D57VP51	213.0	233.9	237.1	36	0	16.2	35
Terral Seed	REV 26BHR50	212.9	241.4	250.5	48	0	17.6	32
B-H Genetics	BH 9000VT2P	212.4	—	—	42	0	17.1	33
Croplan	5570VT2P	211.9	—	—	41	0	15.9	33
Croplan	6640VT3	210.4	232.6	245.6	34	0	16.7	31
Mycogen	X13823S3 *	209.4	—	—	31	0	16.1	34
Dyna-Gro	D58VC37	207.9	232.6	—	39	0	16.0	27
AgriGold Hybrids	A6499VT2 RIB	207.1	227.4	229.6	34	0	16.2	34
Croplan	5290DG/VT2P	207.0	—	—	38	0	16.2	30
DeKalb	DKC67-72	206.5	221.3	—	44	0	16.4	33
AgriGold Hybrids	A6687VT2PRO	206.4	234.8	239.0	32	0	15.9	28
Mycogen	2C797	204.4	215.7	221.9	37	0	15.6	32
Progeny Ag	PGY 6119VT2P	204.1	—	—	43	0	16.8	29
Delta Grow	DG 3660	204.0	221.4	235.7	35	0	17.2	28
Great Heart Seed	HT-7778 VT3PRIB	204.0	220.8	236.8	41	0	16.1	32
AgriGold Hybrids	A6659VT2 RIB	203.1	233.6	234.4	38	0	15.6	32
Armor	AXC6116PRO2 *	202.8	—	—	42	0	15.4	29
Armor	AXG6118 *	200.1	—	—	36	0	17.5	28
Augusta	7766	199.7	—	—	38	0	16.0	32
Augusta	5664	199.7	—	—	36	0	17.3	30
Augusta	7767	199.4	222.4	233.9	41	0	16.4	34
DeKalb	DKC62-20RIB	199.1	—	—	42	0	15.5	33

[1]Hybrid followed by an asterisk indicates an experimental entry.

Table 16 (cont.). Results from 77 corn hybrids grown with furrow irrigation on a Bosket and Commerce very fine sandy loam soil at the MAFES Delta Branch, Stoneville, 2016.

Brand name	Hybrid number[1]	2016 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 24BHR93	195.9	216.1	229.2	42	0	16.2	25
Progeny Ag	PGY 4117VT3P	195.0	215.6	226.3	47	0	16.0	31
AgriGold Hybrids	A6652VT2PRO	193.5	—	—	37	0	15.5	31
Augusta	5566	192.8	—	—	38	0	16.9	34
Augusta	1565 *	191.6	—	—	40	4	15.9	27
Dyna-Gro	D54VC52	191.0	—	—	44	0	16.1	29
Progeny Ag	PGY EXP1615VT2P *	190.9	—	—	31	0	16.3	23
Augusta	7768	190.5	237.1	248.9	43	19	17.7	35
Mycogen	X14677S2 *	189.9	—	—	43	0	15.4	32
NK	68K	189.0	—	—	48	0	15.5	30
AgriGold Hybrids	A6559VT2RIB	180.4	212.3	—	38	0	15.9	27
Augusta	1564	176.1	—	—	38	7	15.9	34
Augusta	5062	174.7	—	—	38	0	16.4	34
Armor	1500PRO2	174.1	—	—	50	0	16.4	25
Mycogen	2Y744	171.6	179.5	—	31	0	15.5	34
NK	69D	170.5	—	—	39	5	16.5	26
Delta Grow	DG 2888	162.9	194.5	210.0	46	0	16.3	24
Delta Grow	DG 2688	148.3	—	—	43	0	15.2	27
Mean		208.5						
LSD		19.2						
Error df		228						
CV		7.9						
R^2		65.4						

[1]Hybrid followed by an asterisk indicates an experimental entry.

Table 17. Characteristics provided by sponsoring companies for corn hybrids entered in the Mississippi Corn for Grain Hybrid Trials, 2016.

Company	Hybrid	Trait	Planting rate (x1000)	Seed treatment	Days to maturity
AgriGold Hybrids	A6499VT2RIB	RR,VT2P	32	P500+Votivo	112
5388 Akin Rd.	A6559VT2RIB	RR,VT2P	32	P500+Votivo	113
St. Francisville, IL 62460	A6687VT2PRO	RR,VT2P	32	P500+Votivo	117
618-292-5844	A6711VT2PRO	RR,VT2P	32	P500+Votivo	118
	A6659VT2RIB	RR,VT2P	32	P500+Votivo	116
	A6544VT2PRO	RR,VT2P	32	P500+Votivo	113
	A6572VT2PRO	RR,VT2P	32	P500+Votivo	114
	A6652VT2PRO	RR,VT2P	32	P500+Votivo	116
	A6719VT2PRO	RR,VT2P	32	P500+Votivo	118
Armor Seed	1500PRO2	RR,VT2P	34	A500	115
183 Pennsylvania Ave.	AXC6116	RR,VT2P	34	A500	116
Waldenburg, AR 72475	1717	RR,VT2P	34	A500	117
662-719-3157	A1414	RR,VT2P	34	A500	114
	AXG6118	RR,LL,VIP	34	A500	118
Augusta Seed	7768	VIP	36	C1250	118
P.O. Box 899	7766	RR,VT2P	36	C250	116
Verona, VA 24482	1564	RR,LL	36	A500	114
540-255-5901	5566	RR,LL	36	C1250	116
	7767	RR,VT2P	36	C1250	117
	8868	RR,VT3P	36	P250	118
	5664	RR,LL	36	C1250	114
	1565	RR,LL	36	C500	115
	5062	RR,LL	36	A500	112
B-H Genetics	BH 8590VT2P	VT2P	34	P/V 500	115
5933 FM 1157	BH 9000VT2P	VT2P	34	P/V 500	118
Ganado, TX 77962					
361-771-8722					
Delta Grow Seed	2888	RR,LL,VIP	36	Poncho 250	117
220 NW 2nd	2688	RR,LL	36	Poncho 250	116
England, AR 72046	3660	RR,LL,VIP	36	Poncho 250	118
501-842-2572					
Croplan by Winfield	5290DG/VT2P	RR,VT2P	32	Acceleron	112
P.O. Box 64131	5570VT2P	RR,VT2P	33	Acceleron	115
St. Paul, MN 55164-0131	5678VT2P	RR,VT2P	33	Acceleron	116
662-617-5124	6640VT3P	RR,VT3P	34	Acceleron	113
Great Heart Seed	HT 7778VT3PRIB	VT3P	34	P500+Votivo	117
220 West Washington St.	HT 7493VT2P	SS	34	P500+Votivo	115
St. Paris, IL 61944	HX 8033 3110VIP	VIP	34	P500+Votivo	118
217-465-4132	HT 7261VT2PRIB	VT3P	34	P500+Votivo	115
Syngenta Seeds	68K	RR,LL,VIP	32	Avicta Complete 500 + Vibrance	111
3760 Business Dr.	69D	RR,LL,HX	32	Avicta Complete 500 + Vibrance	112
Memphis, TN 38125					
662-822-7250					
Terral Seed Inc.	REV 22BHR43	RR,LL	32/28	MQ+P1250+V	112
111 Ellington Dr.	REV 23BHR55	RR,LL	32/28	MQ+P1250+V	113
Rayville, LA 71269	REV 24BHR93	RR,LL	32/28	MQ+P1250+V	114
318-341-8814	REV 25BHR26	RR,LL	32/28	MQ+P1250+V	115
	REV 26BHR50	RR,LL	32/28	MQ+P1250+V	116
	REV 28HR20	RR,LL,HX	32/28	MQ+P1250+V	118
	REV 28R10	RR,LL	32/28	MQ+P1250+V	118

Table 17 (cont.). Characteristics provided by sponsoring companies for corn hybrids entered in the Mississippi Corn for Grain Hybrid Trials, 2016.

Company	Hybrid	Trait	Planting rate (x1000)	Seed treatment	Days to maturity
Mycogen	2Y744	RR	34	CruiserMaxx 1250	113
253 Avondale Rd.	2C797	RR,LL,SS	36	CruiserMaxx 1250	113
Greenville, MS 38703	2D848	RR,LL,SS	36	CruiserMaxx 1250	118
662-822-1964	X14677S2	RR,SS	36	CruiserMaxx 1250	110
	X14730VH	RR,SS	36	CruiserMaxx 1250	112
	X13823S3	RR,SS	36	CruiserMaxx 1250	113
	X13813VH	RR,SS	36	CruiserMaxx 1250	114
	X13726VH	RR,SS	36	CruiserMaxx 1250	115
DuPont Pioneer	P1197HR	RR,LL,HX	36	P1250 + Votivo	111
59 Greif Parkway, Suite 200	P1637HR	RR,LL,HX	36	P1250 + Votivo	116
Delaware, OH 43015	P2089HR	RR,LL,HX	36	P1250 + Votivo	120
803-308-1003					
Progeny AG Products	5115VT2P	RR,VT2P	34	A500 + Votivo	115
1529 Hwy. 193	6116VT2P	RR,VT2P	34	A500 + Votivo	116
Wynne, AR 72396	4117VT3P	RR,VT3P	32	A500 + Votivo	117
979-587-9968	6119VT2P	RR,VT2P	34	A500 + Votivo	119
	EXP1615VT2P	RR,VT2P	34	A500 + Votivo	115
Monsanto	DKC70-27	VT2P	34	Poncho 1250/Votivo	120
108 Bayberry Lane	DKC68-26	VT2P	34	Poncho 1250/Votivo	118
Madison, MS 39110	DKC67-72	VT2P	34	Poncho 1250/Votivo	117
601-317-2661	DKC67-14	VT2P	32	Poncho 1250/Votivo	117
	DKC66-75	VT2P	34	Poncho 1250/Votivo	116
	DKC66-59	VT2P	34	Poncho 1250/Votivo	116
	DKC67-44	VT2P	34	Poncho 1250/Votivo	117
	DKC64-35	VT2P	34	Poncho 1250/Votivo	114
	DKC62-08	SS	34	Poncho 1250/Votivo	112
	DKC62-20RIB	VT2P	34	Acceleron 500	112
Dyna-Gro Seed	D54VC52	VT2P	28	P500	114
254 U.S. Hwy. 72	D57VP75	VT3P	30	P500	117
Collierville, TN 38017	D57VP51	VT3P	30	P500	117
662-401-6311	D58VC37	VT2P	28	P500	118
Dulaney Seed Inc.	RL8714YHB	RR,LL,HX	34	Poncho 500 V	114
6933 Sunflower School Rd.	RL9583YHB	RR,LL,HX	34	Poncho 500 V	118
Clarksdale, MS 38614	RL9801YHB	RR,LL,HX	36	Poncho 500 V	120
662-627-7060	RL8430YHB	RR,LL,HX	34	Poncho 500 V	113

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MS AGRICULTURAL AND FORESTRY EXPERIMENT STATION

The mission of the Mississippi Agricultural and Forestry Experiment Station and the College of Agriculture and Life Sciences is to advance agriculture and natural resources through teaching and learning, research and discovery, service and engagement which will enhance economic prosperity and environmental stewardship, to build stronger communities and improve the health and well-being of families, and to serve people of the state, the region and the world.

George M. Hopper, Director

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