MISSISSIPPI CORN FOR GRAIN

HYBRID TRIALS, 2020

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MISSISSIPPI'S OFFICIAL VARIETY TRIALS

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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 37–39 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 37–39.

Mississippi Corn for Grain Hybrid Trials, 2020

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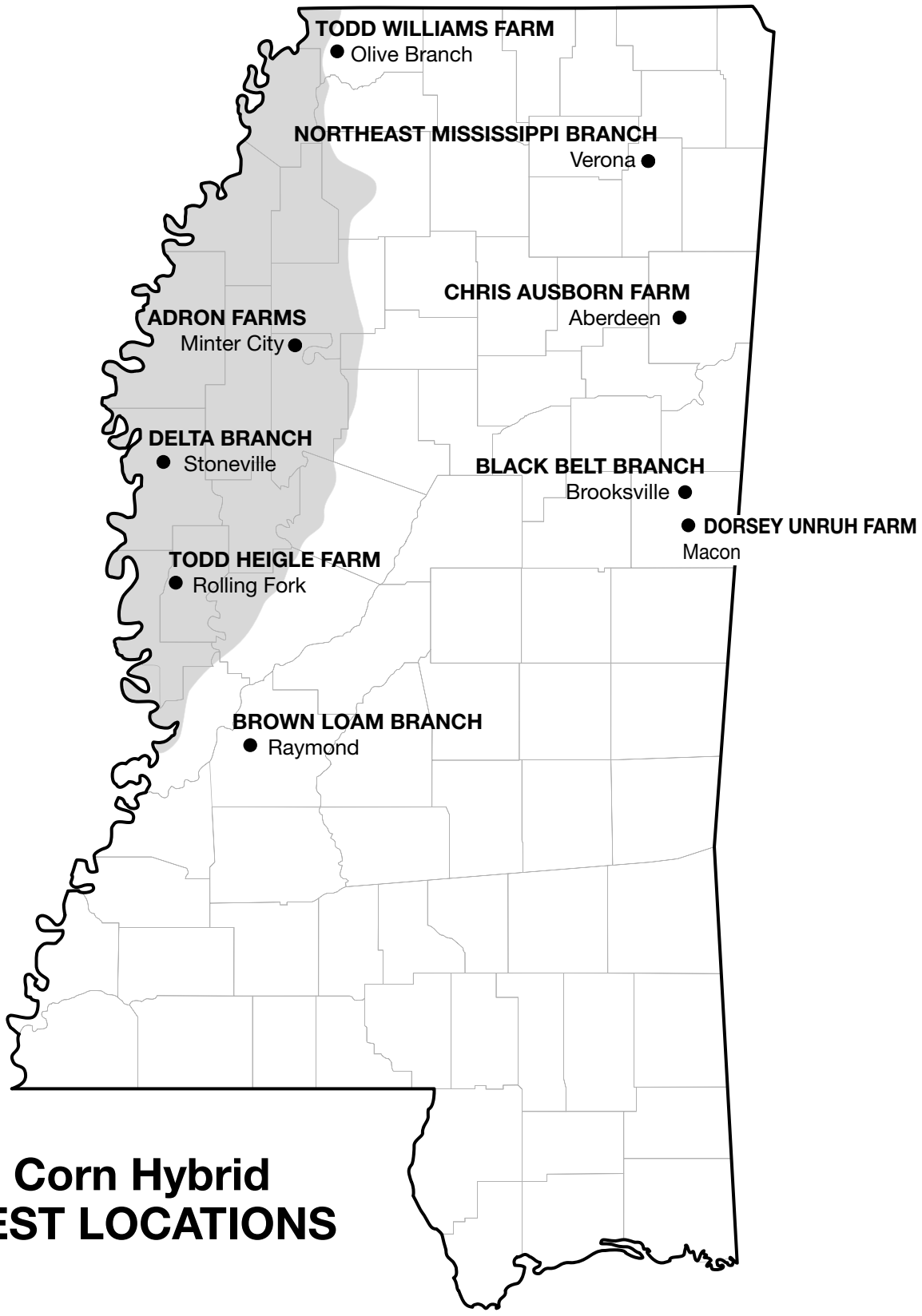
Find variety trial information online at ***mafes.msstate.edu/variety-trials***.



Corn Hybrid TEST LOCATIONS

Mississippi Corn for Grain Hybrid Trials, 2020

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 precision vacuum 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 differ-

ence between hybrid A and hybrid C is 9 bu/A (i.e., 90 - 81 = 9), which is larger than the LSD (7 bu/A). We would therefore conclude that the yield potential of hybrid A is superior to that of hybrid C.

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

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

Table 1. 2020 corn hybrid trials location summary.

Location	Soil type	Irrigation	Planting date	Harvest date	Row spacing
Aberdeen, Chris Ausborn	Houston clay	Not irrigated	04/30	9/11	30”
Brooksville, Black Belt Branch	Brooksville silty clay	Not irrigated	03/30	8/31	30”
Macon, Dorsey Unruh Farm	Vaiden silty clay	Irrigated	04/06	9/1	30”
Olive Branch, Todd Williams Farm	Collins silt loam	Not irrigated	05/02	9/21	30”
Stoneville (clay), Delta Branch	Sharkey clay	Irrigated	04/17	9/14	30”
Stoneville (loam), Delta Branch	Bosket very fine sandy loam	Irrigated	04/17	9/10	30”
Stoneville (loam), Delta Branch	Bosket very fine sandy loam	Not irrigated	04/17	9/10	30”
Raymond, Brown Loam Branch	Loring silt loam	Not irrigated	03/26	9/3	30”
Minter City, Adron Farms	Dundee loam and Tensas silty clay loam	Irrigated	05/01	9/4	30”
Verona, Northeast MS Branch	Leeper silty clay loam	Not irrigated	04/30	9/11	30”
Rolling Fork, Todd Heigle Farm[1]	—	—	—	—	—

[1]Location not planted due to flooding in the south Delta

Table 2. 2020 corn hybrid yield summary for dryland locations.

Brand	Hybrid[1]	Aberdeen hills (clay)	Brooksville hills (clay)	Olive Branch hills (loam)	Stoneville delta (loam)	Verona hills (loam)	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriGold	A645-16VT2PRO	208.3	190.0	234.1	207.9	182.0	204.5
AgriGold	A647-35-3330	197.2	183.9	203.4	215.3	161.8	192.3
AgriGold	A6544VT2RIB	219.1	216.3	220.2	210.7	177.4	208.7
AgriGold	A6659VT2RIB	223.9	216.6	228.7	225.7	178.0	214.6
AgriGold	A6572VT2RIB	218.5	197.5	225.2	202.5	183.3	205.4
Croplan	CP5335 VT2P	205.0	198.0	221.2	187.4	177.9	197.9
Croplan	CP5340 VT2P	211.7	196.6	210.1	186.9	186.2	198.3
Croplan	CP5370 VT2P	196.6	200.4	221.7	198.4	189.4	201.3
Croplan	CP5550 VT2P	196.8	188.1	219.6	200.1	177.9	196.5
Croplan	X19115B VT2P *	221.5	197.1	229.4	193.1	183.0	204.8
DeKalb	DKC65-95	205.2	213.4	242.1	195.0	200.5	211.3
DeKalb	DKC65-99	217.2	196.2	224.6	188.3	205.1	206.3
DeKalb	DKC66-18	213.3	191.7	223.4	178.3	184.1	198.2
DeKalb	DKC66-75	221.9	185.3	227.3	188.9	196.1	203.9
DeKalb	DKC67-37	215.1	194.2	230.3	209.6	195.3	208.9
DeKalb	DKC67-44	219.2	203.5	226.0	215.5	198.4	212.6
DeKalb	DKC68-69	222.3	206.8	235.4	203.3	195.6	212.7
DeKalb	DKC69-99	238.5	207.4	247.9	205.4	195.6	219.0
DeKalb	DKC70-27	222.5	213.6	236.3	210.9	204.9	217.6
Dyna Gro	D57VC51	213.0	210.1	233.5	205.2	192.1	210.8
Dyna-Gro	CX20114 *	199.4	185.3	217.2	199.4	183.5	197.0
Dyna-Gro	D57VC17	195.7	198.4	207.8	193.7	191.2	197.4
Dyna-Gro	D58VC65	198.3	191.0	215.9	189.8	171.3	193.3
Great Heart Seed	HT-7302VT2P	203.7	191.6	205.4	201.2	178.4	196.1
Great Heart Seed	HT-7337VT2P	212.1	179.4	237.2	208.7	190.5	205.6
Great Heart Seed	HT-7462VT2P	192.7	191.3	194.3	184.8	178.1	188.2
Great Heart Seed	HT-7676VT2P	198.5	190.6	225.6	206.8	207.7	205.8
Great Heart Seed	HT7890VT2P	179.0	192.5	211.4	155.0	190.7	185.7
LG Seeds	LG5643VT2RIB	210.3	200.5	258.0	215.4	177.0	212.3
LG Seeds	LG66C32VT2RIB	206.0	189.9	193.9	170.6	172.6	186.6
LG Seeds	LG66C44	225.1	202.0	230.8	204.0	188.9	210.2
LG Seeds	LG68C22VT2RIB	225.8	198.5	212.4	179.3	187.5	200.7
LG Seeds	LG68C59	204.8	166.1	207.8	198.9	164.3	188.4
Local Seed	LC1577 VT2P	217.0	198.0	240.6	210.4	193.8	212.0
Local Seed	LC1987VT2P	225.9	207.7	223.6	195.3	186.9	207.9
Local Seed	LC1398 VT2P	215.9	192.7	244.0	192.8	193.5	207.8
Local Seed	LC1497 DGVT2P	232.6	203.5	239.4	205.2	197.8	215.7
Local Seed	LC1697 VT2P	171.2	195.9	230.0	188.4	181.2	193.3
Local Seed	LC1898 TC	220.4	203.3	196.6	217.9	181.9	204.0
Local Seed	LC1307 TC	211.8	219.6	246.3	213.8	197.0	217.7
Local Seed	LC1407 VT2P	184.3	174.7	208.7	190.7	179.8	187.6
Local Seed	LC1506 VT2P	218.5	204.9	235.4	205.1	183.1	209.4
Local Seed	LC1707 VT2P	189.2	210.8	234.8	202.9	201.2	207.8
Local Seed	LC11806 VT2P	210.3	191.5	203.2	184.6	168.4	191.6
Local Seed	LC1289 VT2P	205.3	186.0	219.2	202.3	195.4	201.6
Mission Seed Solutions	A1257VT2P	200.6	196.4	212.7	192.8	178.9	196.3
Mission Seed Solutions	A1477DGVT2P	210.3	181.1	200.1	201.5	186.2	195.9
Mission Seed Solutions	A1548DGVT2P	196.4	176.6	175.8	189.5	184.1	184.5
Mission Seed Solutions	A1657VT2P	192.2	190.2	233.8	183.1	184.9	196.8
Mission Seed Solutions	A1798VT2P	202.3	204.8	212.7	197.1	171.1	197.6
Mission Seed Solutions	AV7516Q	218.0	217.6	229.0	176.0	180.8	204.3
Mission Seed Solutions	AV8216YHB	211.9	187.5	196.6	224.0	173.8	198.8
MorCorn	MC 4255	198.1	186.7	206.3	189.4	179.1	191.9
MorCorn	MC 4670	207.6	195.1	217.1	202.1	188.8	202.2
MorCorn	MC4319	202.5	179.6	210.2	181.7	179.3	190.7
MorCorn	MC4725	185.4	206.8	223.5	189.4	196.6	200.3
Pioneer	P1077YHR	208.0	192.6	227.0	202.5	165.8	199.2
Pioneer	P1464VYHR	213.0	195.8	211.5	226.9	180.9	205.6
Progeny Ag	EXP1917 *	161.3	148.0	165.0	155.8	138.0	153.6
Progeny Ag	EXP2015 *	211.6	175.7	212.9	198.4	196.5	199.0
Progeny Ag	EXP2018 *	209.1	182.3	210.4	170.3	193.3	193.1
Progeny Ag	PGY 8116SS	234.5	218.6	206.6	190.4	200.4	210.1
Progeny Ag	PGY 9114VT2P	211.6	179.2	222.8	209.5	179.9	200.6

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

Table 2 (continued). 2020 corn hybrid yield summary for dryland locations.

Brand	Hybrid[1]	Aberdeen hills (clay)	Brooksville hills (clay)	Olive Branch hills (loam)	Stoneville delta (loam)	Verona hills (loam)	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
Progeny Ag	PGY 9117VT2P	211.0	183.0	215.1	185.9	182.7	195.5
Progeny Ag	PGY 2012VT2P	188.9	170.1	202.3	173.0	180.3	182.9
Progeny Ag	PGY 2015VT2P	195.4	181.9	229.5	169.2	159.8	187.2
Progeny Ag	PGY 2025DG	199.2	191.3	205.7	190.4	185.8	194.5
Progeny Ag	EXP1912 *	200.9	170.3	200.9	186.5	182.9	188.3
Progeny Ag	EXP1913 *	213.3	168.4	205.3	163.9	174.2	185.0
Progeny Ag	EXP1915 *	198.2	182.1	217.3	169.4	168.8	187.2
Progeny Ag	PGY 6116VT2P	191.5	195.4	209.4	175.2	172.0	188.7
Progeny Ag	PGY 5115VT2P	207.3	181.6	209.8	182.3	155.9	187.4
Mean		207.2	193.2	218.7	194.7	183.7	199.5
CV		9.3	7.8	10.7	10.9	14.0	
LSD (0.05)		26.6	21.1	32.6	29.7	35.9	
R^2		42.0	51.0	38.0	41.0	23.0	
Error DF		216	216	216	216	216	

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

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

Brand	Hybrid[1]	Aberdeen hills (clay)	Brooksville hills (clay)	Olive Branch hills (loam)	Stoneville delta (loam)	Verona hills (loam)	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriGold	A645-16VT2PRO	202.6	184.3	240.1	218.5	200.8	209.2
AgriGold	A6544VT2RIB	213.6	199.7	243.7	222.6	190.7	214.0
AgriGold	A6659VT2RIB	217.4	191.5	242.6	222.6	194.9	213.8
AgriGold	A6572VT2RIB	212.3	183.0	241.1	220.9	200.5	211.6
DeKalb	DKC65-95	211.2	193.2	244.4	222.7	200.5	214.4
DeKalb	DKC66-18	205.6	183.0	243.7	204.7	194.5	206.3
DeKalb	DKC66-75	213.0	184.4	246.7	213.9	198.4	211.3
DeKalb	DKC67-44	224.6	192.7	250.1	217.4	199.7	216.9
DeKalb	DKC68-69	221.5	189.0	249.3	219.9	197.2	215.4
DeKalb	DKC70-27	217.0	189.4	256.1	220.0	208.9	218.3
Dyna Gro	D57VC51	211.9	186.8	237.0	210.4	198.4	208.9
Dyna-Gro	D57VC17	198.0	175.5	215.4	195.7	192.8	195.5
Dyna-Gro	D58VC65	187.3	175.4	215.4	200.8	185.6	192.9
Great Heart Seed	HT-7676VT2P	198.9	175.9	220.1	216.5	200.8	202.4
Local Seed	LC1577 VT2P	208.6	189.8	234.2	215.8	191.2	207.9
Local Seed	LC1987VT2P	218.0	185.5	225.0	207.1	195.6	206.2
Local Seed	LC1289 VT2P	193.8	169.7	231.9	202.4	195.6	198.7
MorCorn	MC 4255	196.6	173.8	225.7	201.2	190.0	197.4
MorCorn	MC4319	197.8	158.5	227.5	187.7	181.7	190.6
MorCorn	MC4725	196.3	193.0	235.5	209.7	208.8	208.6
Pioneer	P1464VYHR	207.5	174.6	238.6	234.2	195.9	210.2
Progeny Ag	PGY 8116SS	224.8	196.3	230.8	201.7	210.0	212.7
Progeny Ag	PGY 9114VT2P	216.6	180.5	241.2	222.7	201.0	212.4
Progeny Ag	PGY 9117VT2P	206.0	174.3	229.5	202.6	199.9	202.5
Progeny Ag	EXP1912 *	201.8	152.2	222.3	201.5	190.2	193.6
Progeny Ag	EXP1913 *	203.2	158.7	217.3	185.7	187.9	190.6
Progeny Ag	EXP1915 *	196.2	171.8	235.2	186.9	181.9	194.4
Progeny Ag	PGY 6116VT2P	203.5	186.3	233.4	203.8	192.7	203.9
Progeny Ag	PGY 5115VT2P	209.7	182.3	229.7	202.3	180.4	200.9
Overall Mean		207.4	181.1	234.6	209.4	195.4	205.6

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

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

Brand	Hybrid	Aberdeen hills (clay)	Brooksville hills (clay)	Olive Branch hills (loam)	Stoneville delta (loam)	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriGold	A6544VT2RIB	201.6	188.2	242.4	228.9	215.3
AgriGold	A6659VT2RIB	198.9	188.2	247.9	226.8	215.4
AgriGold	A6572VT2RIB	202.5	188.0	251.1	215.0	214.2
DeKalb	DKC65-95	192.0	195.1	241.8	225.2	213.5
DeKalb	DKC66-75	205.6	183.0	251.0	223.1	215.7
DeKalb	DKC67-44	212.4	195.1	251.8	223.4	220.7
DeKalb	DKC68-69	205.7	189.2	251.4	222.0	217.1
DeKalb	DKC70-27	205.6	193.3	249.1	226.4	218.6
Dyna Gro	D57VC51	200.9	182.8	236.8	215.3	209.0
Dyna-Gro	D58VC65	181.9	182.0	230.5	204.8	199.8
Local Seed	LC1577 VT2P	185.3	183.2	230.5	205.4	201.1
Local Seed	LC1987VT2P	195.7	182.8	219.2	204.4	200.5
MorCorn	MC4319	186.8	164.3	230.7	196.1	194.5
MorCorn	MC4725	179.6	190.1	230.6	207.9	202.1
Progeny Ag	PGY 8116SS	218.6	198.6	241.2	212.3	217.7
Progeny Ag	PGY 9114VT2P	196.8	182.2	247.4	225.2	212.9
Progeny Ag	PGY 9117VT2P	197.1	177.7	232.4	214.5	205.4
Progeny Ag	PGY 6116VT2P	190.3	182.6	239.1	208.8	205.2
Progeny Ag	PGY 5115VT2P	199.4	188.1	241.9	218.1	211.9
Overall Mean		197.7	186.0	240.4	216.0	210.0

Table 5. 2020 corn hybrid yield summary for irrigated locations.

Brand	Hybrid[1]	Macon hills (clay)	Minter City delta (loam)	Stoneville delta (clay)	Stoneville delta (loam)	Overall average
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriGold	A645-16VT2PRO	214.7	230.3	241.4	213.1	224.8
AgriGold	A645-80-3110	242.4	248.8	257.2	233.1	245.4
AgriGold	A647-35-3330	232.1	234.2	260.4	223.1	237.4
AgriGold	A6544VT2RIB	239.3	234.5	237.1	225.3	234.0
AgriGold	A6659VT2RIB	233.7	245.7	240.2	208.2	232.0
AgriGold	A6572VT2RIB	245.3	229.7	244.3	207.6	231.7
Augusta Seed	A7168	212.7	213.4	225.6	207.6	214.8
Augusta Seed	A4565	222.2	206.4	245.7	228.8	225.8
Augusta Seed	A4567	221.3	207.9	240.8	238.8	227.2
Augusta Seed	A1367	239.3	219.5	267.1	227.5	238.3
BH Genetics	BH 8555DG2P	214.4	205.2	242.2	194.9	214.2
BH Genetics	XP 8820VT2P *	207.7	208.8	240.4	211.3	217.0
BH Genetics	BH 8721VT2P	240.0	227.8	239.2	229.5	234.1
Croplan	CP5335 VT2P	214.8	213.0	246.8	221.7	224.1
Croplan	CP5340 VT2P	218.6	205.1	240.0	211.1	218.7
Croplan	CP5370 VT2P	214.8	209.5	231.9	230.2	221.6
Croplan	CP5550 VT2P	214.9	239.6	243.9	215.9	228.6
Croplan	X19115B VT2P *	222.2	228.2	217.5	202.8	217.7
DeKalb	DKC65-95	228.0	217.4	242.3	192.0	219.9
DeKalb	DKC65-99	227.4	237.7	243.3	217.4	231.4
DeKalb	DKC66-18	205.7	211.8	231.9	192.4	210.4
DeKalb	DKC66-75	227.2	223.2	244.4	194.0	222.2
DeKalb	DKC67-37	233.2	223.0	240.2	218.9	228.8
DeKalb	DKC67-44	242.0	224.7	243.1	234.2	236.0
DeKalb	DKC68-69	242.4	231.2	236.7	223.2	233.4
DeKalb	DKC69-99	248.4	228.7	261.3	232.4	242.7
DeKalb	DKC70-27	239.2	240.3	267.7	230.2	244.4
Dyna Gro	D57VC51	237.6	230.6	258.0	226.8	238.2
Dyna-Gro	CX20114 *	236.6	227.3	255.2	230.0	237.3
Dyna-Gro	D55VC80	218.1	235.9	227.7	207.8	222.4
Dyna-Gro	D57VC17	228.9	233.5	234.7	196.8	223.5
Dyna-Gro	D58VC65	221.7	231.8	233.6	200.0	221.8

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

Table 5 (continued). 2020 corn hybrid yield summary for irrigated locations.

Brand	Hybrid[1]	Macon hills (clay)	Minter City delta (loam)	Stoneville delta (clay)	Stoneville delta (loam)	Overall average
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
Great Heart Seed	HT7256 DGVT2P	212.4	243.9	243.6	212.2	228.0
Great Heart Seed	HT-7302VT2P	228.1	230.2	255.1	211.6	231.3
Great Heart Seed	HT-7337VT2P	238.4	232.5	241.1	216.7	232.2
Great Heart Seed	HT-7425DGVT2P	235.6	236.5	248.0	228.2	237.1
Great Heart Seed	HT-7462VT2P	214.2	213.0	235.5	178.7	210.3
Great Heart Seed	HT7890VT2P	202.1	224.5	241.8	178.0	211.6
LG Seeds	LG5643VT2RIB	248.4	227.6	255.9	218.3	237.6
LG Seeds	LG66C32VT2RIB	217.1	210.0	221.7	174.0	205.7
LG Seeds	LG66C44	238.7	236.1	240.9	215.6	232.8
LG Seeds	LG68C22VT2RIB	229.0	212.4	223.0	197.0	215.3
LG Seeds	LG68C59	227.7	214.5	253.1	233.3	232.1
Local Seed	LC1577 VT2P	253.7	221.4	250.8	220.8	236.6
Local Seed	LC1987 VT2P	227.9	230.7	230.8	211.5	225.2
Local Seed	LC1398 VT2P	228.1	228.3	237.7	196.5	222.7
Local Seed	LC1497 DGVT2P	224.4	229.6	244.5	216.1	228.6
Local Seed	LC1697 VT2P	230.9	221.4	243.7	192.1	222.0
Local Seed	LC1898 TC	221.9	219.7	233.5	210.4	221.4
Local Seed	LC1307 TC	247.9	215.5	254.7	216.2	233.6
Local Seed	LC1407 VT2P	225.0	219.4	234.4	202.5	220.4
Local Seed	LC1506 VT2P	212.2	226.8	250.9	196.0	221.5
Local Seed	LC1707 VT2P	234.2	221.4	246.6	192.7	223.7
Local Seed	LC1806 VT2P	220.1	216.7	235.1	169.2	210.3
Local Seed	LC1289 VT2P	213.8	198.9	239.0	195.4	211.8
Mission Seed Solutions	A1257VT2P	214.4	211.5	234.8	200.4	215.2
Mission Seed Solutions	A1477DGVT2P	236.5	215.5	240.7	193.0	221.4
Mission Seed Solutions	A1548DGVT2P	239.1	240.9	259.6	225.7	241.3
Mission Seed Solutions	A1657VT2P	224.1	237.6	220.8	201.2	220.9
Mission Seed Solutions	A1798VT2P	205.2	224.9	238.7	207.9	219.2
Mission Seed Solutions	AV7516Q	220.5	233.2	250.8	229.8	233.6
Mission Seed Solutions	AV8216YHB	216.6	212.3	249.1	211.5	222.4
MorCorn	MC 4255	204.6	207.7	232.1	218.6	215.7
MorCorn	MC 4670	234.3	200.7	235.0	209.2	219.8
MorCorn	MC 4319	228.1	225.8	228.6	189.0	217.9
MorCorn	MC 4725	238.6	217.0	243.2	219.1	229.5
Pioneer	P1077YHR	220.6	212.7	236.9	209.9	220.0
Pioneer	P1870YHR	224.1	236.9	263.3	234.5	239.7
Progeny Ag	EXP1917 *	168.3	180.9	183.7	153.2	171.5
Progeny Ag	EXP2015 *	235.4	230.2	241.1	213.6	230.1
Progeny Ag	EXP2018 *	244.5	239.7	253.6	185.3	230.8
Progeny Ag	PGY 8116SS	237.9	233.5	244.0	224.1	234.9
Progeny Ag	PGY 9114VT2P	213.4	212.4	244.5	202.6	218.2
Progeny Ag	PGY 9117VT2P	246.6	242.1	264.1	201.2	238.5
Progeny Ag	PGY 2012VT2P	209.8	206.7	247.1	184.3	212.0
Progeny Ag	PGY 2015VT2P	208.5	215.9	231.0	180.4	208.9
Progeny Ag	PGY 2025DG	228.3	236.9	251.5	201.3	229.5
Progeny Ag	EXP1912 *	206.1	212.7	231.7	206.5	214.2
Progeny Ag	EXP1913 *	202.6	225.2	232.6	170.8	207.8
Progeny Ag	EXP1915 *	232.3	229.6	246.0	203.3	227.8
Progeny Ag	PGY 6116VT2P	209.3	221.0	223.0	192.8	211.5
Progeny Ag.	PGY 5115VT2P	223.5	217.0	233.4	205.1	219.7
Taylor Seed	T-8561VT2PRORIB	216.9	212.8	249.4	207.5	221.7
Taylor Seed	T-8680VT2PRO	259.2	239.4	255.6	239.0	248.3
Mean		225.8	223.4	241.8	208.7	224.9
CV		6.2	8.3	7.2	7.1	
LSD (0.05)		19.7	25.8	24.5	20.6	
R^2		57	37	40	64	
Error DF		252	252	252	252	

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

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

Brand	Hybrid[1]	Macon hills (clay)	Minter City delta (loam)	Stoneville delta (clay)	Stoneville delta (loam)	Overall average
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriGold	A645-16VT2PRO	235.6	234.1	201.5	223.1	223.6
AgriGold	A6544VT2RIB	250.0	230.6	211.0	227.3	229.7
AgriGold	A6559VT2RIB	246.8	236.1	225.9	222.7	232.9
AgriGold	A6572VT2RIB	245.1	217.6	216.9	219.9	224.9
Augusta Seed	A4565	238.9	209.4	218.8	227.6	223.7
Augusta Seed	A1367	252.5	212.6	236.7	223.7	231.4
BH Genetics	BH 8721VT2P	250.8	219.3	216.9	237.8	231.2
DeKalb	DKC65-95	249.3	225.3	214.5	221.0	227.5
DeKalb	DKC66-18	229.5	221.2	200.0	219.5	217.5
DeKalb	DKC66-75	248.9	230.8	211.3	212.9	226.0
DeKalb	DKC67-44	252.5	219.3	216.8	216.2	226.2
DeKalb	DKC68-69	258.5	225.8	213.6	225.7	230.9
DeKalb	DKC70-27	246.9	236.6	220.4	241.3	236.3
Dyna Gro	D57VC51	255.4	234.0	228.4	229.4	236.8
Dyna-Gro	D55VC80	240.3	233.4	205.9	212.9	223.1
Dyna-Gro	D57VC17	240.3	226.8	206.0	210.6	220.9
Dyna-Gro	D58VC65	244.9	231.4	209.2	226.6	228.0
Great Heart Seed	HT-7302VT2P	242.4	229.5	213.1	219.1	226.0
Great Heart Seed	HT-7425DGVT2P	238.7	225.2	212.3	223.0	224.8
LG Seeds	LG5643VT2RIB	258.0	223.9	212.0	230.9	231.2
LG Seeds	LG66C32VT2RIB	240.7	211.6	188.3	199.0	209.9
LG Seeds	LG68C22VT2RIB	251.4	219.3	192.5	208.3	217.9
Local Seed	LC1577 VT2P	257.4	222.1	208.8	238.1	231.6
Local Seed	LC1987 VT2P	240.9	221.6	206.6	210.1	219.8
Local Seed	LC1289 VT2P	229.9	203.3	193.8	180.6	201.9
Mission Seed Solutions	AV7516Q	244.5	214.5	209.9	227.9	224.2
MorCorn	MC 4255	227.7	209.5	191.6	223.1	213.0
MorCorn	MC 4319	231.5	220.3	193.8	197.6	210.8
MorCorn	MC 4725	256.2	212.0	212.8	233.6	228.7
Pioneer	P1870YHR	246.9	226.8	226.9	258.5	239.8
Progeny Ag	PGY 8116SS	254.9	208.0	208.5	221.9	223.3
Progeny Ag	PGY 9114VT2P	238.1	214.5	197.9	211.2	215.4
Progeny Ag	PGY 9117VT2P	252.1	223.6	210.8	219.9	226.6
Progeny Ag	EXP1912 *	229.7	215.9	198.7	225.5	217.4
Progeny Ag	EXP1913 *	228.1	209.8	201.1	189.7	207.2
Progeny Ag	EXP1915 *	241.1	208.4	212.5	201.8	216.0
Progeny Ag	PGY 6116VT2P	239.8	211.0	204.7	202.5	214.5
Progeny Ag	PGY 5115VT2P	244.1	220.2	203.8	216.5	221.2
Overall Mean		244.2	220.9	209.3	219.4	223.5

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

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

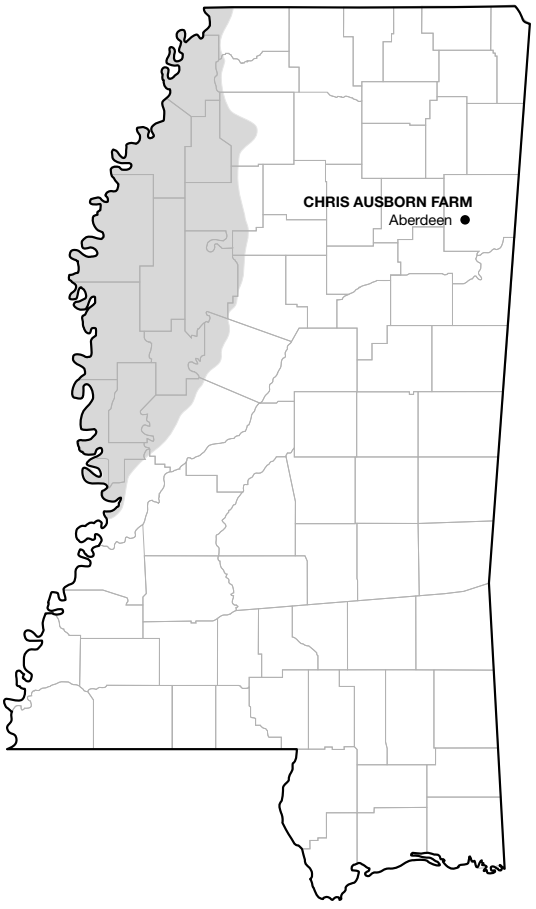
Brand	Hybrid[1]	Macon hills (clay)	Minter City delta (loam)	Stoneville delta (clay)	Stoneville delta (loam)	Overall average
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriGold	A6544VT2RIB	250.0	229.4	215.4	224.2	229.7
AgriGold	A6559VT2RIB	249.5	236.1	231.1	227.8	236.1
AgriGold	A6572VT2RIB	245.7	222.5	222.7	227.6	229.6
Augusta Seed	A1367	241.9	221.8	240.5	227.4	232.9
DeKalb	DKC65-95	247.6	225.8	231.7	223.3	232.1
DeKalb	DKC66-75	245.5	230.5	226.1	211.6	228.4
DeKalb	DKC67-44	246.5	224.7	224.1	226.5	230.5
DeKalb	DKC68-69	249.8	225.1	226.9	217.2	229.8
DeKalb	DKC70-27	247.0	233.3	230.4	241.2	238.0
Dyna Gro	D57VC51	251.8	231.6	224.0	222.2	232.4
Dyna-Gro	D58VC65	245.3	230.3	217.4	214.7	226.9
Great Heart Seed	HT-7302VT2P	236.8	221.6	217.6	216.2	223.0
Great Heart Seed	HT-7425DGVT2P	238.2	226.1	231.0	224.8	230.0
Local Seed	LC1577 VT2P	240.7	209.0	218.1	233.2	225.3
Local Seed	LC1987 VT2P	232.7	215.7	206.7	210.5	216.4
MorCorn	MC 4319	231.7	218.5	197.3	200.2	211.9
MorCorn	MC 4725	256.3	220.4	202.3	223.9	225.7
Progeny Ag	PGY 8116SS	247.7	213.3	220.7	224.0	226.4
Progeny Ag	PGY 9114VT2P	231.6	211.6	210.2	216.2	217.4
Progeny Ag	PGY 9117VT2P	254.8	232.0	211.6	218.7	229.2
Progeny Ag	PGY 6116VT2P	238.6	215.8	213.3	206.9	218.7
Progeny Ag	PGY 5115VT2P	236.9	203.6	217.7	223.2	220.3
Overall mean		243.9	222.7	219.9	221.0	226.9

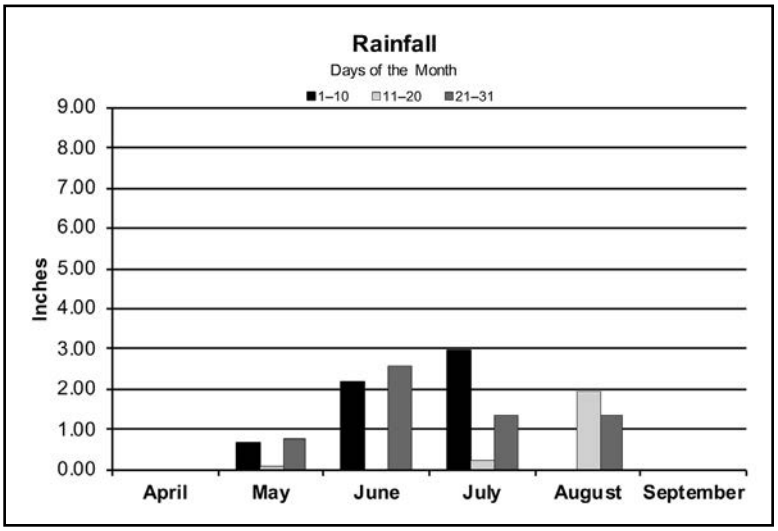
CHRIS AUSBORN FARM, ABERDEEN

Crop Summary

The corn plots were planted in late April into a stale seedbed that had good soil moisture. All plots quickly emerged to a good stand. Timely rainfall during the growing season supplied adequate soil moisture throughout the season, allowing for good yields at this dryland location. Harvest was completed in a timely manner.

Soil type . . . . . .Houston clay
Soil pH 6.2
Soil fertility . . . . .P=M, K=M
Fertilizer . . . . . .Preplant — 0-20-30 @ 300 lb/A
At planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on April 30
Sidedress — 28-0-0-5 @ 180 units
Herbicide . . . . . .Burndown — Roundup @ 1 qt/A and 2,4-D @ 1 pt/A on March 15
Preemergence — Gramoxone @ 1 qt/A and Corvus @ 5 oz/A on April 30
Postemergence — Atrazine @ 2 qt/A and Roundup PowerMax @ 2.5 oz/A on June 25
Previous crop . . .Soybeans
Planting date . . . .April 30
Harvest date . . . .September 11





Rainfall Summary

	Inches
April	0.00
May	1.59
June	4.76
July	4.61
August	3.32
September	0.00
Total	14.28

Table 8. Results from 71 corn hybrids grown without irrigation on a Houston clay soil near Aberdeen, Monroe County, 2020.

Brand name	Hybrid[1]	2020 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*
DeKalb	DKC69-99	238.5	—	—	45	19.7	9.4	32
Progeny Ag	PGY 8116SS	234.5	224.8	218.6	46	19.7	9.0	30
Local Seed	LC1497 DGVT2P	232.6	—	—	35	17.2	8.6	33
Local Seed	LC1987VT2P	225.9	218.0	195.7	44	20.3	8.1	30
LG Seeds	LG68C22VT2RIB	225.8	—	—	35	19.8	8.9	31
LG Seeds	LG66C44	225.1	—	—	41	19.0	8.8	34
AgriGold	A6659VT2RIB	223.9	217.4	198.9	33	18.9	8.6	31
DeKalb	DKC70-27	222.5	217.0	205.6	42	21.5	9.2	35
DeKalb	DKC68-69	222.3	221.5	205.7	35	22.3	8.4	33
DeKalb	DKC66-75	221.9	213.0	205.6	41	18.5	8.7	34
Croplan	X19115B VT2P *	221.5	—	—	40	19.1	8.9	28
Local Seed	LC1898 TC	220.4	—	—	36	17.9	8.9	34
DeKalb	DKC67-44	219.2	224.6	212.4	40	19.5	9.0	29
AgriGold	A6544VT2RIB	219.1	213.6	201.6	36	18.0	8.5	32
Local Seed	LC1506 VT2P	218.5	—	—	41	18.2	9.1	30
AgriGold	A6572VT2RIB	218.5	212.3	202.5	34	18.8	8.6	30
Mission Seed Solutions	AV7516Q	218.0	—	—	38	21.1	9.6	34
DeKalb	DKC65-99	217.2	—	—	34	18.5	8.5	33
Local Seed	LC1577 VT2P	217.0	208.6	185.3	40	17.9	8.2	34
Local Seed	LC1398 VT2P	215.9	—	—	35	18.1	8.2	34
DeKalb	DKC67-37	215.1	—	—	44	19.6	9.8	33
Progeny Ag	EXP1913 *	213.3	203.2	—	41	18.5	9.1	31
DeKalb	DKC66-18	213.3	205.6	—	37	19.5	8.3	32
Dyna Gro	D57VC51	213.0	211.9	200.9	34	18.7	9.1	30
Pioneer	P1464VYHR	213.0	207.5	—	36	18.2	9.1	30
Great Heart Seed	HT-7337VT2P	212.1	—	—	37	18.2	9.2	33
Mission Seed Solutions	AV8216YHB	211.9	—	—	40	19.0	9.3	33
Local Seed	LC1307 TC	211.8	—	—	42	17.2	8.6	31
Croplan	CP5340 VT2P	211.7	—	—	35	17.7	8.5	31
Progeny Ag	EXP2015 *	211.6	—	—	45	18.1	9.1	30
Progeny Ag	PGY 9114VT2P	211.6	216.6	196.8	34	17.7	8.7	34
Progeny Ag	PGY 9117VT2P	211.0	206.0	197.1	32	19.0	8.8	27
Local Seed	LC11806 VT2P	210.3	—	—	39	18.7	8.8	31
LG Seeds	LG5643VT2RIB	210.3	—	—	34	17.6	9.1	32
Mission Seed Solutions	A1477DGVT2P	210.3	—	—	33	18.3	8.6	32
Progeny Ag	EXP2018 *	209.1	—	—	43	20.0	9.2	27
AgriGold	A645-16VT2PRO	208.3	202.6	—	39	19.6	8.8	31
Pioneer	P1077YHR	208.0	—	—	41	17.2	9.0	31
MorCorn	MC 4670	207.6	—	—	38	18.4	8.9	30
Progeny Ag	PGY 5115VT2P	207.3	209.7	199.4	33	17.3	8.3	34
LG Seeds	LG66C32VT2RIB	206.0	—	—	33	18.6	8.9	30
Local Seed	LC1289 VT2P	205.3	193.8	—	39	17.5	8.6	35
DeKalb	DKC65-95	205.2	211.2	192.0	38	17.9	8.8	34
Croplan	CP5335 VT2P	205.0	—	—	35	18.6	8.1	30
LG Seeds	LG68C59	204.8	—	—	35	19.9	9.4	31
Great Heart Seed	HT-7302VT2P	203.7	—	—	32	17.8	8.0	33
MorCorn	MC4319	202.5	197.8	186.8	34	19.5	8.6	27
Mission Seed Solutions	A1798VT2P	202.3	—	—	39	20.5	9.2	32
Progeny Ag	EXP1912 *	200.9	201.8	—	40	17.1	9.0	32
Mission Seed Solutions	A1257VT2P	200.6	—	—	38	17.5	8.8	32
Dyna-Gro	CX20114 *	199.4	—	—	38	17.5	8.6	27
Progeny Ag	PGY 2025DG	199.2	—	—	32	18.4	8.0	28
Great Heart Seed	HT-7676VT2P	198.5	198.9	—	38	20.1	9.0	31
Dyna-Gro	D58VC65	198.3	187.3	181.9	31	18.1	8.6	26
Progeny Ag	EXP1915 *	198.2	196.2	—	44	18.8	8.9	30
MorCorn	MC 4255	198.1	196.6	—	30	18.1	8.7	32
AgriGold	A647-35-3330	197.2	—	—	30	19.7	9.0	32
Croplan	CP5550 VT2P	196.8	—	—	35	17.9	8.3	30
Croplan	CP5370 VT2P	196.6	—	—	39	17.4	8.9	29
Mission Seed Solutions	A1548DGVT2P	196.4	—	—	37	18.7	8.7	33
Dyna-Gro	D57VC17	195.7	198.0	—	35	19.4	8.4	27
Progeny Ag	PGY 2015VT2P	195.4	—	—	34	17.8	8.7	24
Great Heart Seed	HT-7462VT2P	192.7	—	—	25	18.3	7.8	35

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

Table 8 (continued). Results from 71 corn hybrids grown without irrigation on a Houston clay soil near Aberdeen, Monroe County, 2020.

Brand name	Hybrid[1]	2020 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*
Mission Seed Solutions	A1657VT2P	192.2	—	—	40	19.3	8.9	34
Progeny Ag	PGY 6116VT2P	191.5	203.5	190.3	32	19.3	8.8	26
Local Seed	LC1707 VT2P	189.2	—	—	43	20.7	9.2	34
Progeny Ag	PGY 2012VT2P	188.9	—	—	36	18.1	8.7	31
MorCorn	MC4725	185.4	196.3	179.6	35	18.7	8.9	31
Local Seed	LC1407 VT2P	184.3	—	—	37	17.9	8.9	32
Great Heart Seed	HT7890VT2P	179.0	—	—	35	19.2	8.4	33
Local Seed	LC1697 VT2P	171.2	—	—	38	18.5	8.8	32
Progeny Ag	EXP1917 *	161.3	—	—	38	18.1	8.5	27
Mean		207.2						
CV		9.3						
LSD (0.05)		26.6						
R^2		42.0						
Error DF		216						

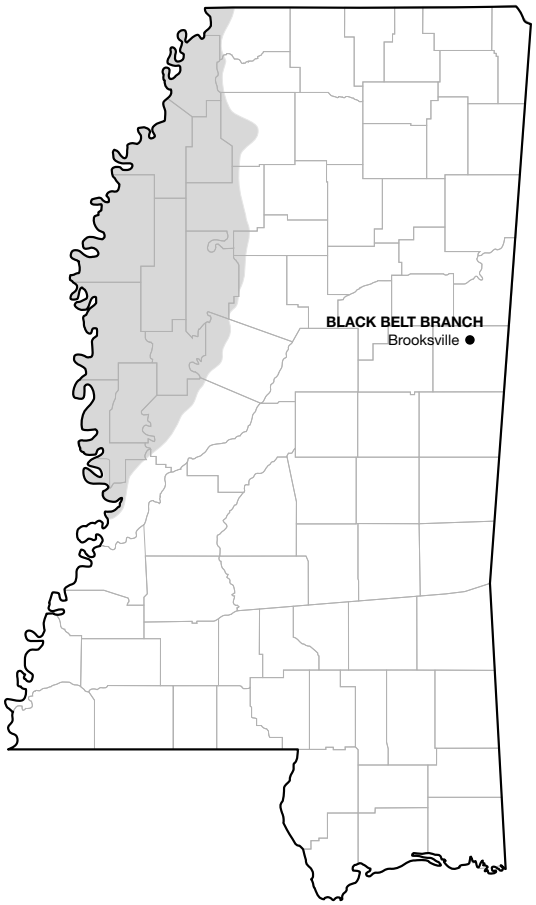
[1]Hybrid followed by an asterisk indicates an experimental entry.

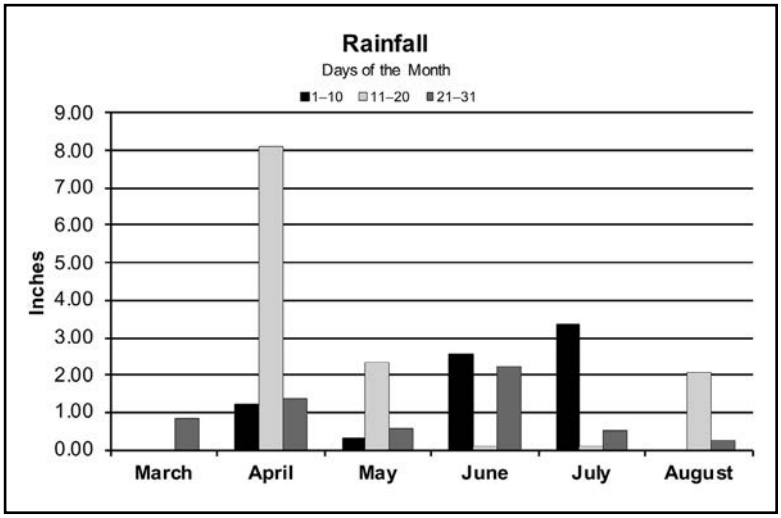
MAFES BLACK BELT BRANCH, BROOKSVILLE

Crop Summary

The corn plots were planted into a stale seedbed that had been prepared the previous fall. There was good soil moisture at planting for germination, and all plots quickly emerged to a good stand. Timely rainfall during crucial points of the growing season allowed for good dryland yields at this location. Harvest was completed in a timely manner.

Soil type . . . . . .Brooksville silty clay
Soil pH 6.2
Soil fertility . . . . .P=M, K=M
Fertilizer . . . . . .Preplant — 0-26-26 @ 250 lb/A
At planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on March 30
Topdress — N @ 46 lb/A (46-0-0) on April 27; N @ 175 lb/A (46-0-0) on May 22
Herbicide . . . . . .Preemergence — Gramoxone @ 1 qt/A and Corvus @ 5 oz/A on March 30
Postemergence — Roundup PowerMax @ 32 oz/A and Lexar @ 2 qt/A on May 22
Previous crop . . .Wheat
Planting date . . .March 30
Harvest date . . . .August 31





Rainfall Summary

	Inches
March	0.85
April	10.66
May	3.21
June	4.87
July	3.93
August	2.34
Total	25.86

Table 9. Results from 71 corn hybrids grown without irrigation on a Brooksville silty clay soil at the MAFES Black Belt Branch, Brooksville, 2020.

Brand name	Hybrid[1]	2020 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*
Local Seed	LC1307 TC	219.6	—	—	37	17.5	7.2	31
Progeny Ag	PGY 8116SS	218.6	196.3	198.6	38	17.5	7.9	30
Mission Seed Solutions	AV7516Q	217.6	—	—	38	20.1	7.5	32
AgriGold	A6659VT2RIB	216.6	191.5	188.2	40	19.5	7.6	32
AgriGold	A6544VT2RIB	216.3	199.7	188.2	37	18.5	7.2	29
DeKalb	DKC70-27	213.6	189.4	193.3	44	18.4	7.9	34
DeKalb	DKC65-95	213.4	193.2	195.1	40	19.0	8.3	33
Local Seed	LC1707 VT2P	210.8	—	—	38	20.7	7.8	32
Dyna Gro	D57VC51	210.1	186.8	182.8	37	17.9	7.6	30
Local Seed	LC1987VT2P	207.7	185.5	182.8	40	19.0	8.4	30
DeKalb	DKC69-99	207.4	—	—	38	20.8	8.2	31
DeKalb	DKC68-69	206.8	189.0	189.2	40	21.0	7.9	33
MorCorn	MC4725	206.8	193.0	190.1	41	18.7	7.6	32
Local Seed	LC1506 VT2P	204.9	—	—	43	18.6	7.4	33
Mission Seed Solutions	A1798VT2P	204.8	—	—	41	18.9	7.3	31
Local Seed	LC1497 DGVT2P	203.5	—	—	38	18.3	7.6	31
DeKalb	DKC67-44	203.5	192.7	195.1	43	19.8	8.2	28
Local Seed	LC1898 TC	203.3	—	—	39	18.0	8.3	31
LG Seeds	LG66C44	202.0	—	—	44	17.9	8.1	31
LG Seeds	LG5643VT2RIB	200.5	—	—	39	17.3	7.5	33
Croplan	CP5370 VT2P	200.4	—	—	41	18.3	7.7	30
LG Seeds	LG68C22VT2RIB	198.5	—	—	38	20.2	7.5	28
Dyna-Gro	D57VC17	198.4	175.5	—	43	19.2	7.9	29
Croplan	CP5335 VT2P	198.0	—	—	34	18.7	7.8	30
Local Seed	LC1577 VT2P	198.0	189.8	183.2	32	19.1	7.4	35
AgriGold	A6572VT2RIB	197.5	183.0	188.0	42	18.7	7.5	32
Croplan	X19115B VT2P *	197.1	—	—	40	18.8	7.9	31
Croplan	CP5340 VT2P	196.6	—	—	37	16.5	7.6	26
Mission Seed Solutions	A1257VT2P	196.4	—	—	35	18.0	7.8	30
DeKalb	DKC65-99	196.2	—	—	33	20.0	7.1	31
Local Seed	LC1697 VT2P	195.9	—	—	42	19.0	7.9	34
Pioneer	P1464VYHR	195.8	174.6	—	38	18.8	8.1	28
Progeny Ag	PGY 6116VT2P	195.4	186.3	182.6	38	18.0	8.1	28
MorCorn	MC 4670	195.1	—	—	38	18.0	7.2	32
DeKalb	DKC67-37	194.2	—	—	35	21.0	7.8	34
Local Seed	LC1398 VT2P	192.7	—	—	39	18.5	7.8	26
Pioneer	P1077YHR	192.6	—	—	36	18.2	8.8	28
Great Heart Seed	HT7890VT2P	192.5	—	—	38	21.6	7.5	31
DeKalb	DKC66-18	191.7	183.0	—	32	18.4	7.3	28
Great Heart Seed	HT-7302VT2P	191.6	—	—	33	18.5	7.2	29
Local Seed	LC11806 VT2P	191.5	—	—	34	19.7	7.3	30
Progeny Ag	PGY 2025DG	191.3	—	—	34	18.2	6.8	28
Great Heart Seed	HT-7462VT2P	191.3	—	—	37	16.6	6.8	33
Dyna-Gro	D58VC65	191.0	175.4	182.0	37	19.3	7.1	27
Great Heart Seed	HT-7676VT2P	190.6	175.9	—	39	19.9	7.5	29
Mission Seed Solutions	A1657VT2P	190.2	—	—	38	19.4	8.3	35
AgriGold	A645-16VT2PRO	190.0	184.3	—	39	20.3	7.4	28
LG Seeds	LG66C32VT2RIB	189.9	—	—	32	17.9	7.1	30
Croplan	CP5550 VT2P	188.1	—	—	35	18.3	7.8	27
Mission Seed Solutions	AV8216YHB	187.5	—	—	40	19.1	8.5	33
MorCorn	MC 4255	186.7	173.8	—	35	17.2	7.3	31
Local Seed	LC1289 VT2P	186.0	169.7	—	27	19.0	6.8	25
Dyna-Gro	CX20114 *	185.3	—	—	38	18.8	8.1	28
DeKalb	DKC66-75	185.3	184.4	183.0	31	20.0	7.2	28
AgriGold	A647-35-3330	183.9	—	—	36	19.0	7.7	30
Progeny Ag	PGY 9117VT2P	183.0	174.3	177.7	41	18.7	8.4	26
Progeny Ag	EXP2018 *	182.3	—	—	41	18.9	7.8	27
Progeny Ag	EXP1915 *	182.1	171.8	—	39	19.2	7.6	31
Progeny Ag	PGY 2015VT2P	181.9	—	—	38	18.7	7.4	25
Progeny Ag	PGY 5115VT2P	181.6	182.3	188.1	35	18.1	6.8	31
Mission Seed Solutions	A1477DGVT2P	181.1	—	—	37	19.1	7.9	33
MorCorn	MC4319	179.6	158.5	164.3	36	19.0	7.5	31
Great Heart Seed	HT-7337VT2P	179.4	—	—	34	18.5	7.3	30

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

Table 9 (continued). Results from 71 corn hybrids grown without irrigation on a Brooksville silty clay soil at the MAFES Black Belt Branch, Brooksville, 2020.

Brand name	Hybrid[1]	2020 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*
Progeny Ag	PGY 9114VT2P	179.2	180.5	182.2	37	18.5	7.6	31
Mission Seed Solutions	A1548DGVT2P	176.6	—	—	44	20.3	8.1	30
Progeny Ag	EXP2015 *	175.7	—	—	39	18.3	7.8	27
Local Seed	LC1407 VT2P	174.7	—	—	32	18.3	7.6	28
Progeny Ag	EXP1912 *	170.3	152.2	—	40	16.2	8.4	28
Progeny Ag	PGY 2012VT2P	170.1	—	—	32	18.4	8.1	27
Progeny Ag	EXP1913 *	168.4	158.7	—	41	18.1	7.6	27
LG Seeds	LG68C59	166.1	—	—	35	18.2	7.4	34
Progeny Ag	EXP1917 *	148.0	—	—	32	18.2	7.9	24
Mean		193.2						
CV		7.8						
LSD (0.05)		21.1						
R^2		51.0						
Error DF		216						

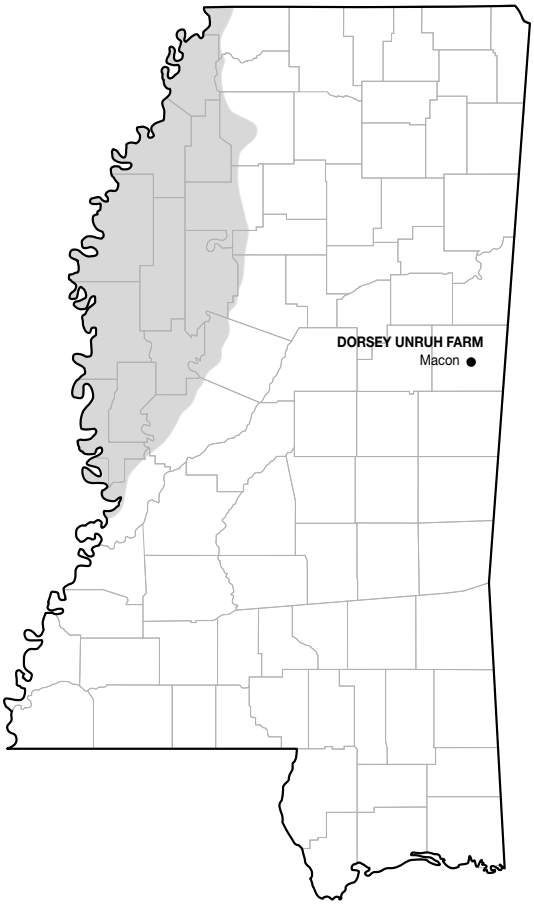
[1]Hybrid followed by an asterisk indicates an experimental entry.

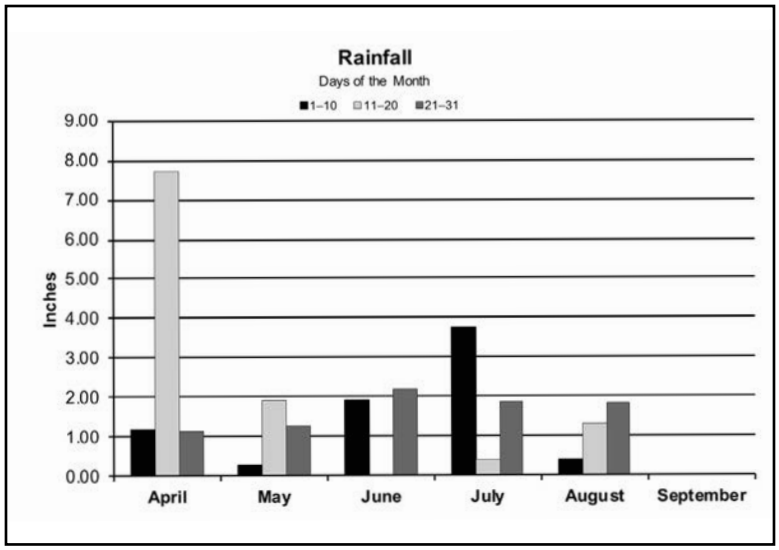
DORSEY UNRUH FARM, MACON

Crop Summary

The plots were planted into a stale seedbed that was prepared the previous fall. A harrow was dragged over the tops of rows immediately before planting. Good soil moisture was present at planting, and all plots quickly emerged to a good stand. The combination of timely rainfall and irrigation allowed for good soil moisture throughout the growing season. Harvest was completed in a timely manner and good yields were observed at this location.

Soil type . . . . . .Vaiden silty clay
Soil pH 6.5
Soil fertility . . . . .P=H, K=H
Fertilizer . . . . . .Preplant — Poultry litter @ 2 tons/A
At planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on April 6
Sidedress — N @ 196 lb/A (30-0-0-2) on May 6
Herbicide . . . . . .Preemergence — Gramoxone @ 1 qt/A and Corvus @ 5 oz/A on April 6
Postemergence — Atrazine @ 32 oz/A and Halex GT @ 3.6 pt/A on May 7
Irrigation . . . . . .Center pivot irrigation on June 15 (1"), June 17 (0.5"), July 15 (0.75"), July 19 (0.75"), July 24 (0.75"), July 26 (0.75")
Previous crop . . .Soybeans
Planting date . . .April 6
Harvest date . . . .September 1





Rainfall Summary

	Inches
April	10.08
May	3.49
June	4.08
July	6.05
August	3.57
September	0.00
Total	27.27

Table 10. Results from 83 corn hybrids grown with center-pivot irrigation on a Brooksville and Vaiden silty clay soil near Macon, Noxubee County, 2020.

Brand name	Hybrid[1]	2020 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*
Taylor Seed	T-8680VT2PRO	259.2	—	—	47	25.4	8.4	33
Local Seed	LC1577 VT2P	253.7	257.4	240.7	48	23.7	9.4	36
LG Seeds	LG5643VT2RIB	248.4	258.0	—	46	22.8	9.2	31
DeKalb	DKC69-99	248.4	—	—	53	25.9	9.8	35
Local Seed	LC1307 TC	247.9	—	—	44	23.4	8.9	35
Progeny Ag	PGY 9117VT2P	246.6	252.1	254.8	46	24.8	9.6	31
AgriGold	A6572VT2RIB	245.3	245.1	245.7	46	23.3	8.9	33
Progeny Ag	EXP2018 *	244.5	—	—	48	26.3	9.3	35
DeKalb	DKC68-69	242.4	258.5	249.8	50	26.7	8.8	33
AgriGold	A645-80-3110	242.4	—	—	56	23.2	10.2	34
DeKalb	DKC67-44	242.0	252.5	246.5	42	25.0	8.9	27
BH Genetics	BH 8721VT2P	240.0	250.8	—	45	24.8	9.3	30
AgriGold	A6544VT2RIB	239.3	250.0	250.0	50	22.4	9.3	31
Augusta Seed	A1367	239.3	252.5	241.9	46	25.7	9.7	37
DeKalb	DKC70-27	239.2	246.9	247.0	49	26.9	9.5	34
Mission Seed Solutions	A1548DGVT2P	239.1	—	—	47	23.7	9.9	35
LG Seeds	LG66C44	238.7	—	—	50	24.1	9.9	35
MorCorn	MC 4725	238.6	256.2	256.3	46	25.4	9.0	29
Great Heart Seed	HT-7337VT2P	238.4	—	—	56	22.6	8.8	31
Progeny Ag	PGY 8116SS	237.9	254.9	247.7	50	25.0	9.1	34
Dyna Gro	D57VC51	237.6	255.4	251.8	42	24.8	8.4	22
Dyna-Gro	CX20114 *	236.6	—	—	47	24.1	9.4	30
Mission Seed Solutions	A1477DGVT2P	236.5	—	—	48	23.6	9.3	32
Great Heart Seed	HT-7425DGVT2P	235.6	238.7	238.2	47	24.5	8.9	39
Progeny Ag	EXP2015 *	235.4	—	—	51	22.2	9.6	32
MorCorn	MC 4670	234.3	—	—	44	23.5	9.3	35
Local Seed	LC1707 VT2P	234.2	—	—	54	25.4	9.4	37
AgriGold	A6659VT2RIB	233.7	246.8	249.5	42	24.2		33
DeKalb	DKC67-37	233.2	—	—	46	25.6	9.4	32
Progeny Ag	EXP1915 *	232.3	241.1	—	51	24.2	9.7	32
AgriGold	A647-35-3330	232.1	—	—	45	27.1	9.8	35
Local Seed	LC1697 VT2P	230.9	—	—	45	24.2	9.8	37
LG Seeds	LG68C22VT2RIB	229.0	251.4	—	46	25.9	9.7	31
Dyna-Gro	D57VC17	228.9	240.3	—	45	24.4	8.6	35
Progeny Ag	PGY 2025DG	228.3	—	—	49	22.8	8.8	31
Great Heart Seed	HT-7302VT2P	228.1	242.4	236.8	41	23.7	8.1	35
MorCorn	MC 4319	228.1	231.5	231.7	47	24.4	9.0	33
Local Seed	LC1398 VT2P	228.1	—	—	50	23.1	9.1	34
DeKalb	DKC65-95	228.0	249.3	247.6	45	25.6	9.7	38
Local Seed	LC1987 VT2P	227.9	240.9	232.7	52	25.5	10.1	33
LG Seeds	LG68C59	227.7	—	—	39	27.0	10.2	36
DeKalb	DKC65-99	227.4	—	—	48	24.4	9.1	32
DeKalb	DKC66-75	227.2	248.9	245.5	53	24.4	9.5	33
Local Seed	LC1407 VT2P	225.0	—	—	43	23.9	9.8	29
Local Seed	LC1497 DGVT2P	224.4	—	—	50	23.4	9.2	36
Mission Seed Solutions	A1657VT2P	224.1	—	—	43	25.1	8.7	26
Pioneer	P1870YHR	224.1	246.9	—	48	26.3	9.8	32
Progeny Ag.	PGY 5115VT2P	223.5	244.1	236.9	50	23.1	9.4	34
Augusta Seed	A4565	222.2	238.9	—	48	23.6	10.1	35
Croplan	X19115B VT2P *	222.2	—	—	42	24.7	9.1	31
Local Seed	LC1898 TC	221.9	—	—	49	24.8	9.7	31
Dyna-Gro	D58VC65	221.7	244.9	245.3	46	24.8	9.6	33
Augusta Seed	A4567	221.3	—	—	46	26.7	9.7	29
Pioneer	P1077YHR	220.6	—	—	37	22.9	9.4	30
Mission Seed Solutions	AV7516Q	220.5	244.5	—	42	24.8	9.3	27
Local Seed	LC1806 VT2P	220.1	—	—	46	23.8	9.7	30
Croplan	CP5340 VT2P	218.6	—	—	46	25.5	9.2	26
Dyna-Gro	D55VC80	218.1	240.3	—	51	24.3	9.5	34
LG Seeds	LG66C32VT2RIB	217.1	240.7	—	46	24.2	8.7	32
Taylor Seed	T-8561VT2PRORIB	216.9	—	—	49	25.4	9.7	33
Mission Seed Solutions	AV8216YHB	216.6	—	—	50	24.6	10.1	28
Croplan	CP5550 VT2P	214.9	—	—	41	24.6	9.1	30
Croplan	CP5335 VT2P	214.8	—	—	44	24.9	8.3	26
Croplan	CP5370 VT2P	214.8	—	—	43	24.6	8.6	27

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

Table 10 (continued). Results from 83 corn hybrids grown with center-pivot irrigation on a Brooksville and Vaiden silty clay soil near Macon, Noxubee County, 2020.

Brand name	Hybrid[1]	2020 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*
AgriGold	A645-16VT2PRO	214.7	235.6	—	48	24.4	9.7	33
BH Genetics	BH 8555DG2P	214.4	—	—	52	23.7	9.7	27
Mission Seed Solutions	A1257VT2P	214.4	—	—	43	24.9	8.9	34
Great Heart Seed	HT-7462VT2P	214.2	—	—	39	24.7	8.1	38
Local Seed	LC1289 VT2P	213.8	229.9	—	43	24.5	9.3	35
Progeny Ag	PGY 9114VT2P	213.4	238.1	231.6	44	24.1	8.9	34
Augusta Seed	A7168	212.7	—	—	44	27.1	9.0	33
Great Heart Seed	HT7256 DGVT2P	212.4	—	—	45	22.4	8.9	35
Local Seed	LC1506 VT2P	212.2	—	—	46	24.1	8.6	34
Progeny Ag	PGY 2012VT2P	209.8	—	—	45	23.9	9.2	34
Progeny Ag	PGY 6116VT2P	209.3	239.8	238.6	47	24.2	9.4	35
Progeny Ag	PGY 2015VT2P	208.5	—	—	47	24.3	9.5	34
BH Genetics	XP 8820VT2P *	207.7	—	—	42	26.2	8.4	34
Progeny Ag	EXP1912 *	206.1	229.7	—	38	22.4	8.5	31
DeKalb	DKC66-18	205.7	229.5	—	38	25.1	8.9	34
Mission Seed Solutions	A1798VT2P	205.2	—	—	50	26.3	9.2	34
MorCorn	MC 4255	204.6	227.7	—	46	23.5	9.3	31
Progeny Ag	EXP1913 *	202.6	228.1	—	45	23.5	8.6	28
Great Heart Seed	HT7890VT2P	202.1	—	—	46	27.5	9.5	33
Progeny Ag	EXP1917 *	168.3	—	—	45	24.1	8.6	26
Mean		225.8						
CV		6.2						
LSD (0.05)		19.7						
R^2		57						
Error DF		252						

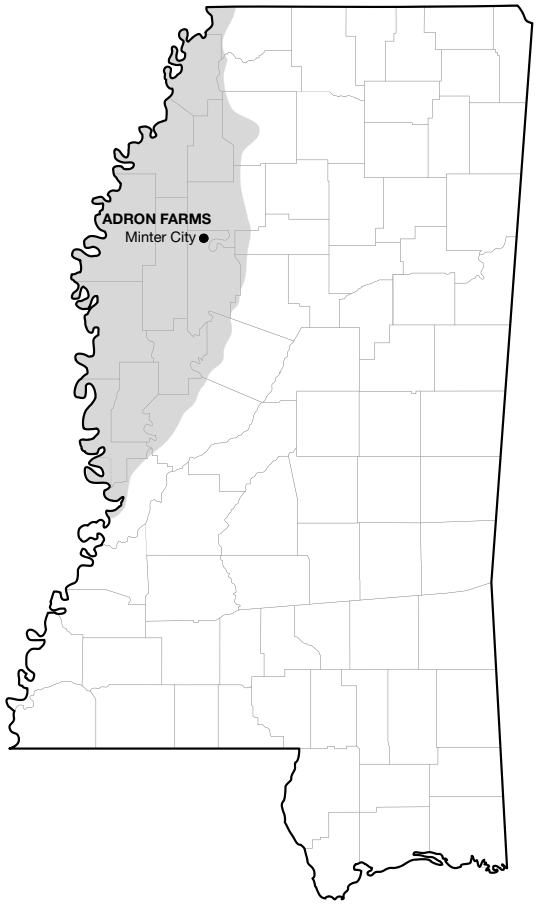
[1]Hybrid followed by an asterisk indicates an experimental entry.

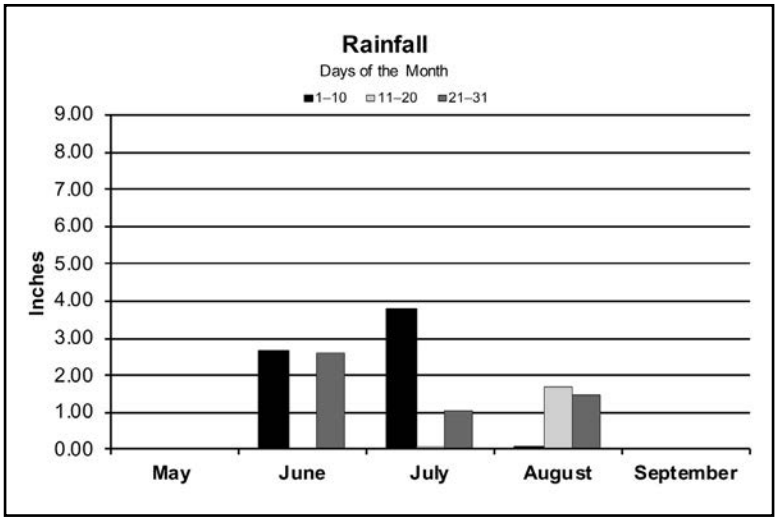
ADRON FARMS, MINTER CITY

Crop Summary

The corn plots were planted in early May due to frequent spring rains that delayed planting beyond the normal planting window for this location. Soil moisture was adequate at planting, and all plots quickly emerged to a good stand. Timely rainfall and furrow irrigation supplied ample soil moisture throughout the growing season. Harvest was completed in a timely manner, and good yields were observed at this location.

Soil type . . . . . .Dubbs loam
Soil pH 6.1
Soil fertility . . . . .P=H, K=H
Fertilizer . . . . . .At planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on May 1
Starter — 10-20-5-1S-0.43Zn @ 18 gal/A (applied 2x2) on April 19
Topdress — Urea @ 500 lb/A (three applications of 200 lb, 250 lb, and 100 lb)
Herbicide . . . . . .Preemergence — Corvus @ 5 oz/A and Atrazine @ 32 oz/A on April 2
Postemergence — Atrazine @ 32 oz/A and Halex GT @ 56 oz/A
Previous crop . . .Soybean
Planting date . . . .May 1
Harvest date . . . .September 4
Irrigation . . . . . .Furrow irrigated as needed





Rainfall Summary

	Inches
May	0.00
June	5.25
July	4.81
August	3.17
September	0.00
Total	13.23

Table 11. Results from 83 corn hybrids grown with furrow irrigation on a Dubbs silt loam soil near Minter City, 2020.

Brand name	Hybrid[1]	2019 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population	Stalk lodging
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*	*%*
AgriGold	A645-80-3110	248.8	—	—	42	24.5	8.8	30	—
AgriGold	A6659VT2RIB	245.7	236.1	236.1	38	25.3	8.8	33	3.0
Great Heart Seed	HT7256 DGVT2P	243.9	—	—	38	22.3	8.4	38	—
Progeny Ag	PGY 9117VT2P	242.1	223.6	232.0	35	25.9	7.5	34	—
Mission Seed Solutions	A1548DGVT2P	240.9	—	—	36	24.3	8.0	37	5.4
DeKalb	DKC70-27	240.3	236.6	233.3	38	27.7	8.4	37	—
Progeny Ag	EXP2018 *	239.7	—	—	42	25.5	8.7	34	—
Croplan	CP5550 VT2P	239.6	—	—	38	23.9	8.2	35	—
Taylor Seed	T-8680VT2PRO	239.4	—	—	36	25.9	8.3	34	—
DeKalb	DKC65-99	237.7	—	—	32	25.2	7.0	34	2.9
Mission Seed Solutions	A1657VT2P	237.6	—	—	45	25.4	8.5	33	—
Pioneer	P1870YHR	236.9	226.8	—	37	25.7	8.7	33	—
Progeny Ag	PGY 2025DG	236.9	—	—	44	24.1	8.3	33	—
Great Heart Seed	HT-7425DGVT2P	236.5	225.2	226.1	41	24.6	8.3	36	—
LG Seeds	LG66C44	236.1	—	—	39	25.1	8.0	33	—
Dyna-Gro	D55VC80	235.9	233.4	—	42	24.6	8.6	33	—
AgriGold	A6544VT2RIB	234.5	230.6	229.4	44	22.8	8.6	32	6.3
AgriGold	A647-35-3330	234.2	—	—	40	27.5	8.8	35	—
Progeny Ag	PGY 8116SS	233.5	208.0	213.3	39	25.2	8.3	36	—
Dyna-Gro	D57VC17	233.5	226.8	—	41	23.9	8.6	33	3.1
Mission Seed Solutions	AV7516Q	233.2	214.5	—	36	25.0	8.4	31	—
Great Heart Seed	HT-7337VT2P	232.5	—	—	43	24.0	8.3	38	—
Dyna-Gro	D58VC65	231.8	231.4	230.3	37	24.4	7.4	34	—
DeKalb	DKC68-69	231.2	225.8	225.1	38	27.5	8.3	34	—
Local Seed	LC1987 VT2P	230.7	221.6	215.7	39	24.4	8.2	31	—
Dyna Gro	D57VC51	230.6	234.0	231.6	37	25.8	7.5	35	5.7
AgriGold	A645-16VT2PRO	230.3	234.1	—	43	24.9	8.8	33	—
Progeny Ag	EXP2015 *	230.2	—	—	44	23.7	9.2	33	—
Great Heart Seed	HT-7302VT2P	230.2	229.5	221.6	34	24.1	7.2	35	2.9
AgriGold	A6572VT2RIB	229.7	217.6	222.5	44	23.3	8.7	33	—
Local Seed	LC1497 DGVT2P	229.6	—	—	38	22.3	8.0	37	—
Progeny Ag	EXP1915 *	229.6	208.4	—	45	24.5	8.5	32	—
DeKalb	DKC69-99	228.7	—	—	41	25.4	8.2	34	—
Local Seed	LC1398 VT2P	228.3	—	—	42	23.2	7.7	36	—
Croplan	X19115B VT2P *	228.2	—	—	42	25.7	8.9	30	—
BH Genetics	BH 8721VT2P	227.8	219.3	—	36	25.6	8.3	30	—
LG Seeds	LG5643VT2RIB	227.6	223.9	—	36	23.0	7.3	31	—
Dyna-Gro	CX20114 *	227.3	—	—	45	23.7	8.8	31	—
Local Seed	LC1506 VT2P	226.8	—	—	44	24.3	8.6	33	—
MorCorn	MC 4319	225.8	220.3	218.5	40	24.9	8.5	35	14.1
Progeny Ag	EXP1913 *	225.2	209.8	—	40	24.0	7.7	34	—
Mission Seed Solutions	A1798VT2P	224.9	—	—	34	26.6	7.9	33	—
DeKalb	DKC67-44	224.7	219.3	224.7	38	25.0	8.8	33	—
Great Heart Seed	HT7890VT2P	224.5	—	—	38	26.0	8.3	34	—
DeKalb	DKC66-75	223.2	230.8	230.5	33	24.9	7.4	33	—
DeKalb	DKC67-37	223.0	—	—	35	25.3	8.4	34	—
Local Seed	LC1697 VT2P	221.4	—	—	41	24.7	8.1	34	2.9
Local Seed	LC1707 VT2P	221.4	—	—	40	25.4	8.4	31	—
Local Seed	LC1577 VT2P	221.4	222.1	209.0	37	24.3	7.7	33	—
Progeny Ag	PGY 6116VT2P	221.0	211.0	215.8	40	26.2	8.2	34	2.9
Local Seed	LC1898 TC	219.7	—	—	39	24.0	9.1	33	—
Augusta Seed	A1367	219.5	212.6	221.8	37	27.4	9.2	34	—
Local Seed	LC1407 VT2P	219.4	—	—	38	23.2	8.0	33	—
DeKalb	DKC65-95	217.4	225.3	225.8	36	24.8	8.1	36	—
MorCorn	MC 4725	217.0	212.0	220.4	38	25.1	8.0	33	—
Progeny Ag.	PGY 5115VT2P	217.0	220.2	203.6	33	20.9	8.0	37	—
Local Seed	LC1806 VT2P	216.7	—	—	42	23.6	8.2	33	—
Progeny Ag	PGY 2015VT2P	215.9	—	—	40	24.9	7.2	30	—
Local Seed	LC1307 TC	215.5	—	—	40	23.2	7.9	35	—
Mission Seed Solutions	A1477DGVT2P	215.5	—	—	42	24.3	9.0	32	3.1
LG Seeds	LG68C59	214.5	—	—	30	29.1	8.1	33	3.1
Augusta Seed	A7168	213.4	—	—	37	26.5	8.5	36	—
Great Heart Seed	HT-7462VT2P	213.0	—	—	33	22.7	7.0	38	—
Croplan	CP5335 VT2P	213.0	—	—	38	24.7	8.2	31	—
Taylor Seed	T-8561VT2PRORIB	212.8	—	—	39	24.5	8.0	28	—

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

Table 11 (cont.). Results from 83 corn hybrids grown with furrow irrigation on a Dubbs silt loam soil near Minter City, 2020.

Brand name	Hybrid[1]	2019 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population	Stalk lodging
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*	*%*
Pioneer	P1077YHR	212.7	—	—	37	22.2	8.7	34	—
Progeny Ag	EXP1912 *	212.7	215.9	—	35	22.4	8.1	34	—
LG Seeds	LG68C22VT2RIB	212.4	219.3	—	38	24.3	8.4	32	—
Progeny Ag	PGY 9114VT2P	212.4	214.5	211.6	36	24.9	7.6	31	—
Mission Seed Solutions	AV8216YHB	212.3	—	—	40	26.0	9.0	32	—
DeKalb	DKC66-18	211.8	221.2	—	30	24.9	7.1	31	—
Mission Seed Solutions	A1257VT2P	211.5	—	—	40	22.4	8.2	26	11.7
LG Seeds	LG66C32VT2RIB	210.0	211.6	—	40	23.3	7.5	31	—
Croplan	CP5370 VT2P	209.5	—	—	39	23.4	7.7	30	3.4
BH Genetics	XP 8820VT2P *	208.8	—	—	39	28.5	8.3	34	—
Augusta Seed	A4567	207.9	—	—	34	26.6	7.9	31	12.8
MorCorn	MC 4255	207.7	209.5	—	37	24.0	7.8	32	—
Progeny Ag	PGY 2012VT2P	206.7	—	—	38	24.0	8.4	35	—
Augusta Seed	A4565	206.4	209.4	—	40	23.9	8.7	33	3.1
BH Genetics	BH 8555DG2P	205.2	—	—	38	24.1	7.2	33	—
Croplan	CP5340 VT2P	205.1	—	—	38	21.8	7.5	33	—
MorCorn	MC 4670	200.7	—	—	34	23.9	7.9	30	3.4
Local Seed	LC1289 VT2P	198.9	203.3	—	35	22.3	7.6	34	2.9
Progeny Ag	EXP1917 *	180.9	—	—	43	23.4	8.4	28	—
Mean		223.4							
CV		8.3							
LSD (0.05)		25.8							
R^2		37							
Error DF		252							

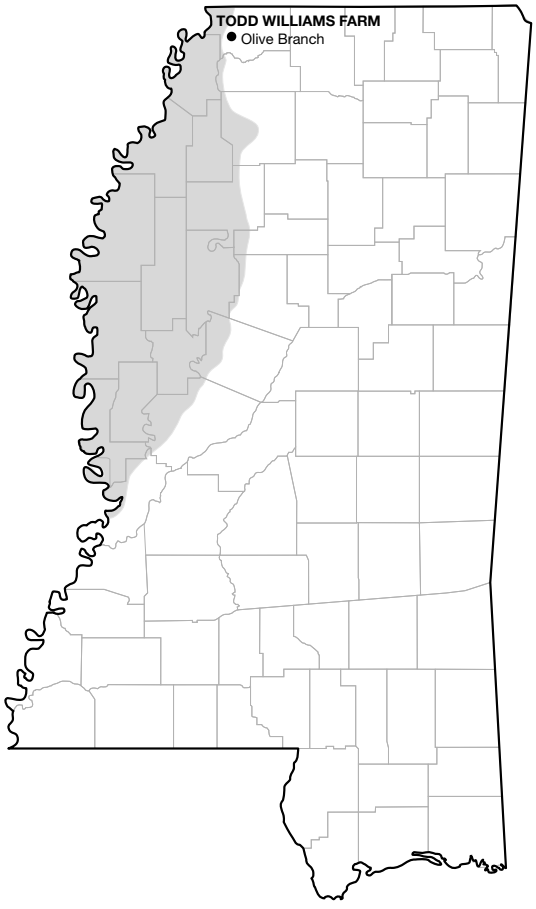
[1]Hybrid followed by an asterisk indicates an experimental entry.

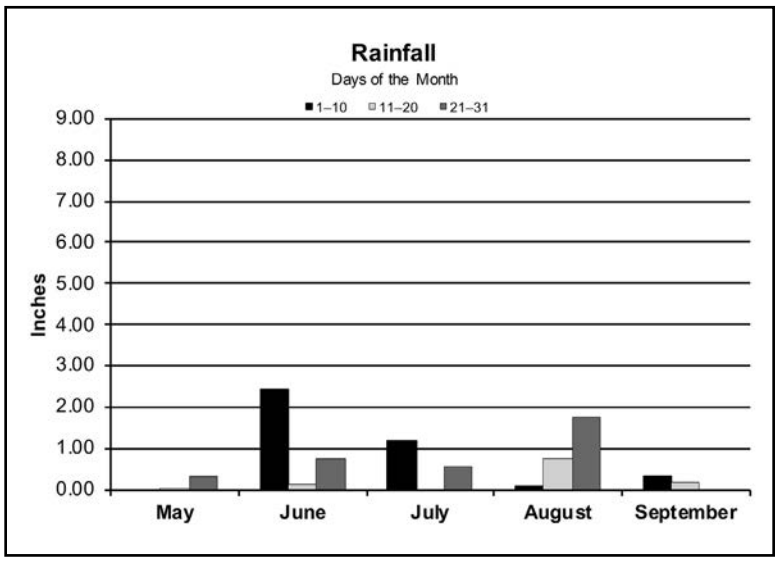
TODD WILLIAMS FARM, OLIVE BRANCH

Crop Summary

The corn plots were planted into a stale seedbed. After planting, a burndown and preemergence herbicide application was made. Soil moisture was adequate at planting, and all plots quickly emerged to a good stand. Timely rainfall during the growing season supplied good soil moisture throughout. Harvest was made in a timely manner and good yields were observed at this dryland location.

Soil type . . . . . .Collins silt loam
Soil pH 6.1
Soil fertility . . . . .P=H, K=H
Fertilizer . . . . . .Preplant — 70-30-120-10S-1B
At planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on May 2
Topdress — N @ 120 units (urea + Agritain)
Herbicide . . . . . .Preemergence — Atrazine @ 1 qt/A and Dual II Magnum @ 1 qt/A
Postemergence — Glyphosate @ 1 qt/A, Atrazine @ 1.2 qt/A, Dual II Magnum @ 1 pt/A, and Mesotrine @ 3.2 oz/A
Previous crop . . .Soybeans
Planting date . . .May 2
Harvest date . . . .September 21





Rainfall Summary

	Inches
May	0.35
June	3.31
July	1.74
August	2.56
September	0.50
Total	8.46

Table 12. Results from 71 corn hybrids grown without irrigation on a Collins silt loam soil near Olive Branch, DeSoto County, 2020.

Brand name	Hybrid[1]	2020 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*
LG Seeds	LG5643VT2RIB	258.0	—	—	35	17.9	9.3	34
DeKalb	DKC69-99	247.9	—	—	48	18.6	9.8	31
Local Seed	LC1307 TC	246.3	—	—	46	16.9	9.6	35
Local Seed	LC1398 VT2P	244.0	—	—	43	17.6	8.7	33
DeKalb	DKC65-95	242.1	244.4	241.8	44	17.6	9.2	35
Local Seed	LC1577 VT2P	240.6	234.2	230.5	40	18.1	9.1	34
Local Seed	LC1497 DGVT2P	239.4	—	—	42	16.8	9.2	34
Great Heart Seed	HT-7337VT2P	237.2	—	—	39	17.8	8.3	34
DeKalb	DKC70-27	236.3	256.1	249.1	48	19.8	9.8	36
Local Seed	LC1506 VT2P	235.4	—	—	42	17.3	9.4	33
DeKalb	DKC68-69	235.4	249.3	251.4	41	20.0	9.7	35
Local Seed	LC1707 VT2P	234.8	—	—	46	19.0	9.3	32
AgriGold	A645-16VT2PRO	234.1	240.1	—	51	18.3	9.4	32
Mission Seed Solutions	A1657VT2P	233.8	—	—	41	18.4	9.2	33
Dyna Gro	D57VC51	233.5	237.0	236.8	41	18.1	9.4	30
LG Seeds	LG66C44	230.8	—	—	47	17.6	9.0	33
DeKalb	DKC67-37	230.3	—	—	47	18.4	9.5	32
Local Seed	LC1697 VT2P	230.0	—	—	44	18.7	9.6	33
Progeny Ag	PGY 2015VT2P	229.5	—	—	43	17.4	9.2	27
Croplan	X19115B VT2P *	229.4	—	—	48	18.0	9.7	31
Mission Seed Solutions	AV7516Q	229.0	—	—	48	20.0	8.8	34
AgriGold	A6659VT2RIB	228.7	242.6	247.9	43	18.2	9.4	32
DeKalb	DKC66-75	227.3	246.7	251.0	44	17.9	8.8	34
Pioneer	P1077YHR	227.0	—	—	44	17.2	9.7	31
DeKalb	DKC67-44	226.0	250.1	251.8	40	18.6	9.6	28
Great Heart Seed	HT-7676VT2P	225.6	220.1	—	45	18.4	9.2	32
AgriGold	A6572VT2RIB	225.2	241.1	251.1	47	17.4	9.5	31
DeKalb	DKC65-99	224.6	—	—	40	18.3	8.1	33
Local Seed	LC1987VT2P	223.6	225.0	219.2	46	18.6	9.8	29
MorCorn	MC4725	223.5	235.5	230.6	45	18.4	9.4	31
DeKalb	DKC66-18	223.4	243.7	—	40	17.7	8.7	33
Progeny Ag	PGY 9114VT2P	222.8	241.2	247.4	41	17.7	9.1	32
Croplan	CP5370 VT2P	221.7	—	—	51	17.3	9.1	31
Croplan	CP5335 VT2P	221.2	—	—	42	18.1	9.1	30
AgriGold	A6544VT2RIB	220.2	243.7	242.4	41	18.9	7.9	32
Croplan	CP5550 VT2P	219.6	—	—	45	17.2	9.4	31
Local Seed	LC1289 VT2P	219.2	231.9	—	33	16.7	8.5	34
Progeny Ag	EXP1915 *	217.3	235.2	—	42	18.9	9.2	30
Dyna-Gro	CX20114 *	217.2	—	—	40	16.9	9.4	27
MorCorn	MC 4670	217.1	—	—	42	17.7	9.1	30
Dyna-Gro	D58VC65	215.9	215.4	230.5	40	18.4	9.5	26
Progeny Ag	PGY 9117VT2P	215.1	229.5	232.4	43	18.6	10.0	28
Progeny Ag	EXP2015 *	212.9	—	—	48	17.6	9.5	30
Mission Seed Solutions	A1798VT2P	212.7	—	—	46	19.5	10.0	34
Mission Seed Solutions	A1257VT2P	212.7	—	—	45	17.0	9.6	23
LG Seeds	LG68C22VT2RIB	212.4	—	—	46	18.1	9.8	32
Pioneer	P1464VYHR	211.5	238.6	—	49	18.3	9.5	29
Great Heart Seed	HT7890VT2P	211.4	—	—	44	18.9	8.6	30
Progeny Ag	EXP2018 *	210.4	—	—	45	19.0	9.3	27
MorCorn	MC4319	210.2	227.5	230.7	40	18.2	8.9	29
Croplan	CP5340 VT2P	210.1	—	—	36	17.1	9.5	31
Progeny Ag	PGY 5115VT2P	209.8	229.7	241.9	41	16.9	9.4	31
Progeny Ag	PGY 6116VT2P	209.4	233.4	239.1	43	19.2	9.3	27
Local Seed	LC1407 VT2P	208.7	—	—	38	18.6	8.4	32
Dyna-Gro	D57VC17	207.8	215.4	—	44	18.0	9.2	28
LG Seeds	LG68C59	207.8	—	—	46	19.1	10.2	32
Progeny Ag	PGY 8116SS	206.6	230.8	241.2	43	17.6	9.5	28
MorCorn	MC 4255	206.3	225.7	—	35	17.5	9.0	30
Progeny Ag	PGY 2025DG	205.7	—	—	45	17.6	10.2	27
Great Heart Seed	HT-7302VT2P	205.4	—	—	37	17.9	8.4	30
Progeny Ag	EXP1913 *	205.3	217.3	—	40	17.8	8.4	29
AgriGold	A647-35-3330	203.4	—	—	41	19.2	10.5	26
Local Seed	LC11806 VT2P	203.2	—	—	41	17.9	8.7	30

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

Table 12 (continued). Results from 71 corn hybrids grown without irrigation on a Collins silt loam soil near Olive Branch, DeSoto County, 2020.

Brand name	Hybrid[1]	2020 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*
Progeny Ag	PGY 2012VT2P	202.3	—	—	43	17.5	9.0	33
Progeny Ag	EXP1912 *	200.9	222.3	—	44	17.0	9.4	31
Mission Seed Solutions	A1477DGVT2P	200.1	—	—	36	17.5	9.1	23
Local Seed	LC1898 TC	196.6	—	—	47	17.6	9.4	32
Mission Seed Solutions	AV8216YHB	196.6	—	—	48	18.4	10.4	33
Great Heart Seed	HT-7462VT2P	194.3	—	—	34	17.9	8.6	30
LG Seeds	LG66C32VT2RIB	193.9	—	—	45	18.0	9.3	31
Mission Seed Solutions	A1548DGVT2P	175.8	—	—	48	18.3	9.3	31
Progeny Ag	EXP1917 *	165.0	—	—	42	17.6	9.6	26
Mean		218.7						
CV		10.7						
LSD (0.05)		32.6						
R^2		38.0						
Error DF		216						

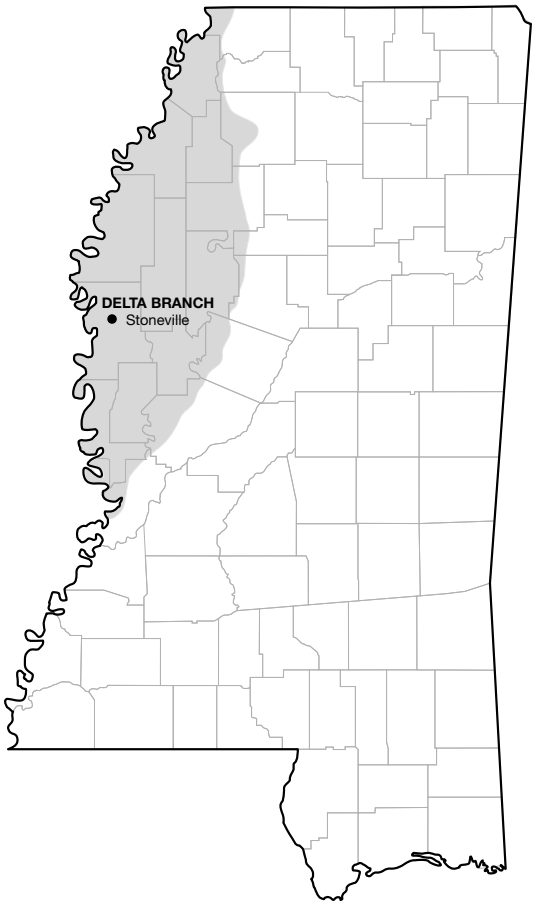
[1]Hybrid followed by an asterisk indicates an experimental entry.

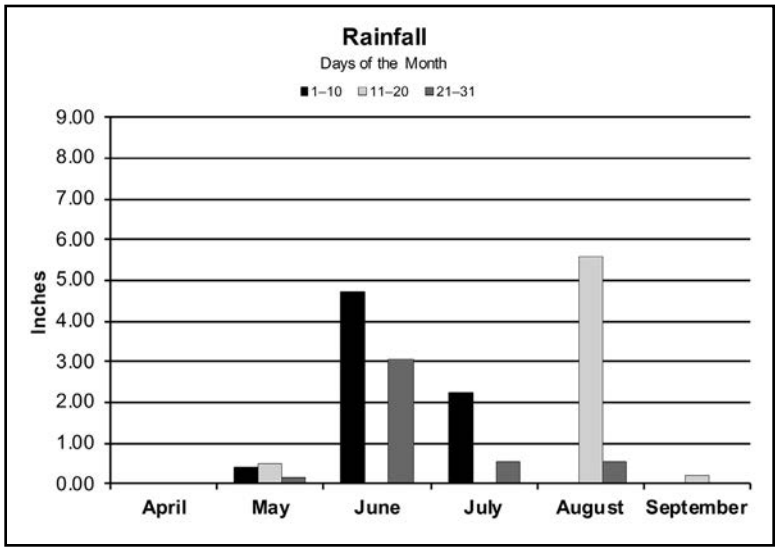
MAFES DELTA BRANCH, STONEVILLE (CLAY)

Crop Summary

The plots were planted in mid-April into a stale seedbed with good soil moisture. The corn was planted flat because the weather never allowed for a window to prepare raised seedbeds. The planting date was pushed back beyond the normal planting window for this location due to the frequent rains that occurred during the early spring. All plots quickly emerged to a good stand. Rainfall and timely irrigation supplied soil moisture throughout the season. Harvest was completed in a timely manner.

Soil type . . . . . .Sharkey clay
Soil pH 6.6
Soil fertility . . . . .P=H, K=H
Fertilizer . . . . . .At planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on April 7
Sidedress — 32 % UAN @ 120 units on May 4; 32% UAN @ 120 units on May 26
Herbicide . . . . . .Preemergence —Gramoxone @ 1 qt/A, Atrazine @ 2 qt/A, and Corvus @ 5 oz/A on April 17
Previous crop . . .Soybeans
Planting date . . . .April 17
Harvest date . . . .September 14
Irrigation . . . . . .Furrow irrigation as needed on June 18 (3”), July 17 (3”), July 22 (3”)





Rainfall Summary

	Inches
April	0.00
May	1.12
June	7.75
July	2.79
August	6.13
September	0.22
Total	18.01

Table 13. Results from 83 corn hybrids grown with furrow irrigation on a Sharkey clay soil at MAFES Delta Branch, Stoneville, 2020.

Brand name	Hybrid[1]	2020 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*
DeKalb	DKC70-27	267.7	220.4	230.4	33	19.8	8.0	33
Augusta Seed	A1367	267.1	236.7	240.5	34	18.8	8.9	35
Progeny Ag	PGY 9117VT2P	264.1	210.8	211.6	37	18.3	7.8	24
Pioneer	P1870YHR	263.3	226.9	—	38	19.4	8.4	31
DeKalb	DKC69-99	261.3	—	—	36	20.1	8.2	33
AgriGold	A647-35-3330	260.4	—	—	34	19.0	8.3	31
Mission Seed Solutions	A1548DGVT2P	259.6	—	—	30	18.5	8.0	37
Dyna Gro	D57VC51	258.0	228.4	224.0	30	18.7	7.6	36
AgriGold	A645-80-3110	257.2	—	—	38	18.2	8.3	31
LG Seeds	LG5643VT2RIB	255.9	212.0	—	34	17.5	7.8	34
Taylor Seed	T-8680VT2PRO	255.6	—	—	34	18.2	8.0	37
Dyna-Gro	CX20114 *	255.2	—	—	27	18.6	7.2	31
Great Heart Seed	HT-7302VT2P	255.1	213.1	217.6	34	18.2	7.5	35
Local Seed	LC1307 TC	254.7	—	—	28	18.0	7.3	31
Progeny Ag	EXP2018 *	253.6	—	—	32	19.8	7.7	33
LG Seeds	LG68C59	253.1	—	—	32	18.9	7.4	35
Progeny Ag	PGY 2025DG	251.5	—	—	29	18.2	7.3	34
Local Seed	LC1506 VT2P	250.9	—	—	36	18.4	7.0	34
Local Seed	LC1577 VT2P	250.8	208.8	218.1	26	18.6	7.4	34
Mission Seed Solutions	AV7516Q	250.8	209.9	—	31	19.7	7.6	31
Taylor Seed	T-8561VT2PRORIB	249.4	—	—	33	18.6	7.9	35
Mission Seed Solutions	AV8216YHB	249.1	—	—	33	18.6	8.1	31
Great Heart Seed	HT-7425DGVT2P	248.0	212.3	231.0	29	18.2	7.3	33
Progeny Ag	PGY 2012VT2P	247.1	—	—	23	18.7	7.5	38
Croplan	CP5335 VT2P	246.8	—	—	30	18.9	8.0	30
Local Seed	LC1707 VT2P	246.6	—	—	35	19.9	8.1	37
Progeny Ag	EXP1915 *	246.0	212.5	—	30	19.3	7.6	34
Augusta Seed	A4565	245.7	218.8	—	35	17.9	7.9	38
Local Seed	LC1497 DGVT2P	244.5	—	—	31	18.5	7.3	36
Progeny Ag	PGY 9114VT2P	244.5	197.9	210.2	26	18.4	8.2	33
DeKalb	DKC66-75	244.4	211.3	226.1	34	19.1	7.9	36
AgriGold	A6572VT2RIB	244.3	216.9	222.7	36	18.6	7.3	33
Progeny Ag	PGY 8116SS	244.0	208.5	220.7	30	19.4	8.0	37
Croplan	CP5550 VT2P	243.9	—	—	36	19.0	7.4	33
Local Seed	LC1697 VT2P	243.7	—	—	29	19.0	7.5	34
Great Heart Seed	HT7256 DGVT2P	243.6	—	—	33	18.5	7.1	38
DeKalb	DKC65-99	243.3	—	—	30	19.1	7.7	37
MorCorn	MC 4725	243.2	212.8	202.3	35	18.3	8.1	35
DeKalb	DKC67-44	243.1	216.8	224.1	31	19.4	7.7	33
DeKalb	DKC65-95	242.3	214.5	231.7	32	19.6	8.2	37
BH Genetics	BH 8555DG2P	242.2	—	—	38	18.4	7.8	34
Great Heart Seed	HT7890VT2P	241.8	—	—	34	20.6	8.2	34
AgriGold	A645-16VT2PRO	241.4	201.5	—	37	18.8	7.6	33
Progeny Ag	EXP2015 *	241.1	—	—	33	17.7	7.7	34
Great Heart Seed	HT-7337VT2P	241.1	—	—	31	17.6	7.5	30
LG Seeds	LG66C44	240.9	—	—	32	19.1	8.1	32
Augusta Seed	A4567	240.8	—	—	38	18.2	8.4	34
Mission Seed Solutions	A1477DGVT2P	240.7	—	—	29	18.5	7.8	33
BH Genetics	XP 8820VT2P *	240.4	—	—	30	19.7	8.1	29
AgriGold	A6659VT2RIB	240.2	225.9	231.1	28	18.3	7.8	33
DeKalb	DKC67-37	240.2	—	—	36	20.7	7.9	37
Croplan	CP5340 VT2P	240.0	—	—	32	18.1	7.4	35
BH Genetics	BH 8721VT2P	239.2	216.9	—	31	18.5	7.6	31
Local Seed	LC1289 VT2P	239.0	193.8	—	30	19.0	7.5	31
Mission Seed Solutions	A1798VT2P	238.7	—	—	30	18.8	7.6	33
Local Seed	LC1398 VT2P	237.7	—	—	28	19.3	7.7	35
AgriGold	A6544VT2RIB	237.1	211.0	215.4	32	18.1	6.6	34
Pioneer	P1077YHR	236.9	—	—	34	18.4	7.9	34
DeKalb	DKC68-69	236.7	213.6	226.9	35	20.5	8.4	34
Great Heart Seed	HT-7462VT2P	235.5	—	—	32	17.8	7.6	35
Local Seed	LC1806 VT2P	235.1	—	—	26	18.5	7.5	30
MorCorn	MC 4670	235.0	—	—	36	18.8	8.1	34
Mission Seed Solutions	A1257VT2P	234.8	—	—	28	18.4	7.6	34

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

Table 13 (continued). Results from 83 corn hybrids grown with furrow irrigation on a Sharkey clay soil at MAFES Delta Branch, Stoneville, 2020.

Brand name	Hybrid[1]	2020 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*
Dyna-Gro	D57VC17	234.7	206.0	—	28	18.8	7.6	34
Local Seed	LC1407 VT2P	234.4	—	—	34	17.7	7.3	33
Dyna-Gro	D58VC65	233.6	209.2	217.4	30	18.6	7.0	34
Local Seed	LC1898 TC	233.5	—	—	34	18.8	8.0	31
Progeny Ag.	PGY 5115VT2P	233.4	203.8	217.7	28	18.0	7.3	34
Progeny Ag	EXP1913 *	232.6	201.1	—	28	19.0	7.8	33
MorCorn	MC 4255	232.1	191.6	—	32	18.7	7.4	35
Croplan	CP5370 VT2P	231.9	—	—	34	18.3	7.3	34
DeKalb	DKC66-18	231.9	200.0	—	28	19.0	7.2	34
Progeny Ag	EXP1912 *	231.7	198.7	—	32	18.1	8.1	38
Progeny Ag	PGY 2015VT2P	231.0	—	—	29	18.4	7.2	30
Local Seed	LC1987 VT2P	230.8	206.6	206.7	34	20.2	7.5	31
MorCorn	MC 4319	228.6	193.8	197.3	30	19.0	7.4	32
Dyna-Gro	D55VC80	227.7	205.9	—	34	19.2	7.0	34
Augusta Seed	A7168	225.6	—	—	30	19.9	8.0	32
LG Seeds	LG68C22VT2RIB	223.0	192.5	—	30	19.3	7.8	30
Progeny Ag	PGY 6116VT2P	223.0	204.7	213.3	31	18.8	7.7	31
LG Seeds	LG66C32VT2RIB	221.7	188.3	—	27	18.2	7.3	34
Mission Seed Solutions	A1657VT2P	220.8	—	—	28	18.5	7.9	32
Croplan	X19115B VT2P *	217.5	—	—	37	19.4	8.1	30
Progeny Ag	EXP1917 *	183.7	—	—	30	18.7	7.6	32
Mean		241.8						
CV		7.2						
LSD (0.05)		24.5						
R^2		40						
Error DF		252						

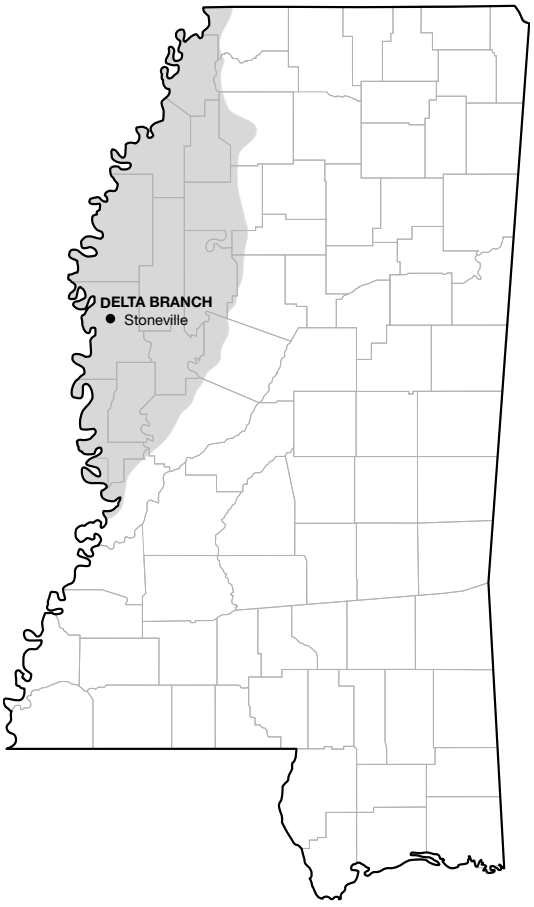
[1]Hybrid followed by an asterisk indicates an experimental entry.

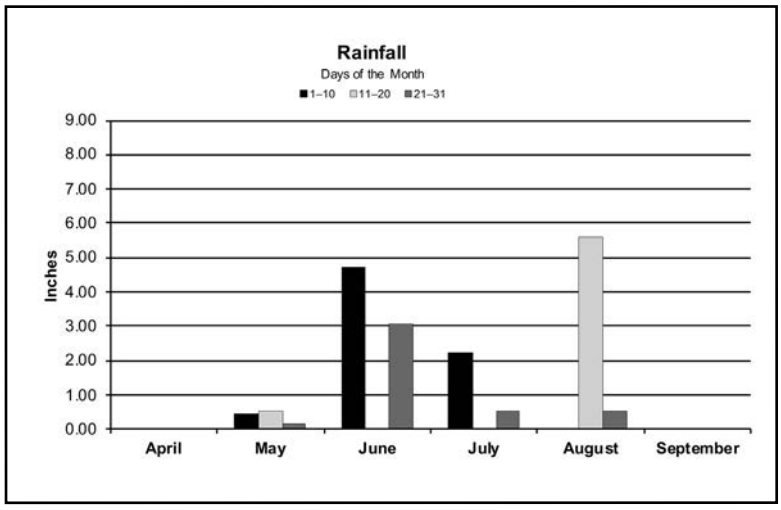
MAFES DELTA BRANCH, STONEVILLE (LOAM) IRRIGATED

Crop Summary

Plots were planted in mid-April into a seedbed with good soil moisture. Beds were dragged down with a do-all just before planting. The planting date was pushed back beyond the normal planting window for this location due to the frequent rains that occurred during the early spring. All plots quickly emerged to a stand. Timely rainfall supplied soil moisture throughout the season. Harvest was completed in a timely manner.

Soil type . . . . . .Bosket very fine sandy loam
Soil pH 6.0
Soil fertility . . . . .P=H, K=H
Fertilizer . . . . . .At planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on April 17
Sidedress — 32% UAN @ 120 units on May 4; 32% UAN @ 120 units on May 26
Herbicide . . . . . .Preemergence — Gramoxone @ 1 qt/A and Corvus @ 5 oz/A on April 17
Postemergence — Roundup PowerMax @ 32 oz/A and Lexar @ 2 qt/A on June 2
Previous crop . . .Soybeans
Planting date . . .April 17
Harvest date . . . .September 10
Irrigation . . . . . .Furrow irrigated on June 3 (3”), June 17 (3”), July 17 (3”), July 22 (3”), July 27 (3”)





Rainfall Summary

	Inches
April	0.00
May	1.12
June	7.75
July	2.79
August	6.13
September	0.00
Total	17.79

Table 14. Results from 83 corn hybrids grown with furrow irrigation on a Bosket very fine sandy loam soil at the MAFES Delta Branch, Stoneville, 2020.

Brand name	Hybrid[1]	2020 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*
Taylor Seed	T-8680VT2PRO	239.0	—	—	40	18.6	8.5	34
Augusta Seed	A4567	238.8	—	—	37	18.4	9.8	33
Pioneer	P1870YHR	234.5	258.5	—	32	20.2	8.6	35
DeKalb	DKC67-44	234.2	216.2	226.5	25	19.4	8.3	35
LG Seeds	LG68C59	233.3	—	—	30	19.8	8.4	33
AgriGold	A645-80-3110	233.1	—	—	40	18.1	8.4	35
DeKalb	DKC69-99	232.4	—	—	38	20.1	8.0	32
DeKalb	DKC70-27	230.2	241.3	241.2	36	20.7	8.7	34
Croplan	CP5370 VT2P	230.2	—	—	29	17.7	8.1	34
Dyna-Gro	CX20114 *	230.0	—	—	36	18.2	8.4	28
Mission Seed Solutions	AV7516Q	229.8	227.9	—	33	19.6	8.5	34
BH Genetics	BH 8721VT2P	229.5	237.8	—	32	18.8	8.2	36
Augusta Seed	A4565	228.8	227.6	—	38	17.8	8.9	34
Great Heart Seed	HT-7425DGVT2P	228.2	223.0	224.8	33	18.3	8.1	34
Augusta Seed	A1367	227.5	223.7	227.4	40	18.5	8.3	35
Dyna Gro	D57VC51	226.8	229.4	222.2	37	18.1	8.2	36
Mission Seed Solutions	A1548DGVT2P	225.7	—	—	36	18.4	8.5	37
AgriGold	A6544VT2RIB	225.3	227.3	224.2	29	17.3	7.5	31
Progeny Ag	PGY 8116SS	224.1	221.9	224.0	40	19.2	8.2	35
DeKalb	DKC68-69	223.2	225.7	217.2	41	20.4	8.2	32
AgriGold	A647-35-3330	223.1	—	—	40	19.9	8.8	33
Croplan	CP5335 VT2P	221.7	—	—	35	19.4	8.2	35
Local Seed	LC1577 VT2P	220.8	238.1	233.2	34	17.6	8.0	33
MorCorn	MC 4725	219.1	233.6	223.9	32	18.8	8.0	35
DeKalb	DKC67-37	218.9	—	—	34	19.5	8.7	33
MorCorn	MC 4255	218.6	223.1	—	35	17.8	8.1	36
LG Seeds	LG5643VT2RIB	218.3	230.9	—	32	17.0	7.5	34
DeKalb	DKC65-99	217.4	—	—	38	19.6	8.3	32
Great Heart Seed	HT-7337VT2P	216.7	—	—	35	17.4	8.3	32
Local Seed	LC1307 TC	216.2	—	—	35	17.3	7.7	32
Local Seed	LC1497 DGVT2P	216.1	—	—	36	17.8	8.0	34
Croplan	CP5550 VT2P	215.9	—	—	29	19.2	7.8	35
LG Seeds	LG66C44	215.6	—	—	35	19.2	7.6	35
Progeny Ag	EXP2015 *	213.6	—	—	38	17.6	7.9	30
AgriGold	A645-16VT2PRO	213.1	223.1	—	34	19.8	8.1	35
Great Heart Seed	HT7256 DGVT2P	212.2	—	—	39	17.8	7.9	35
Great Heart Seed	HT-7302VT2P	211.6	219.1	216.2	26	17.9	7.7	35
Mission Seed Solutions	AV8216YHB	211.5	—	—	35	18.6	8.2	36
Local Seed	LC1987 VT2P	211.5	210.1	210.5	32	19.3	8.1	35
BH Genetics	XP 8820VT2P *	211.3	—	—	33	20.9	8.2	31
Croplan	CP5340 VT2P	211.1	—	—	28	18.2	8.3	37
Local Seed	LC1898 TC	210.4	—	—	38	18.2	8.1	32
Pioneer	P1077YHR	209.9	—	—	34	17.3	8.1	31
MorCorn	MC 4670	209.2	—	—	33	18.0	8.3	30
AgriGold	A6659VT2RIB	208.2	222.7	227.8	33	18.4	7.8	33
Mission Seed Solutions	A1798VT2P	207.9	—	—	31	18.8	7.9	35
Dyna-Gro	D55VC80	207.8	212.9	—	40	18.7	8.6	35
AgriGold	A6572VT2RIB	207.6	219.9	227.6	32	18.8	8.4	25
Augusta Seed	A7168	207.6	—	—	34	20.7	8.2	36
Taylor Seed	T-8561VT2PRORIB	207.5	—	—	36	17.8	8.3	29
Progeny Ag	EXP1912 *	206.5	225.5	—	36	17.2	8.6	35
Progeny Ag.	PGY 5115VT2P	205.1	216.5	223.2	33	18.3	7.9	33
Progeny Ag	EXP1915 *	203.3	201.8	—	34	18.6	8.2	27
Croplan	X19115B VT2P *	202.8	—	—	41	18.4	8.2	32
Progeny Ag	PGY 9114VT2P	202.6	211.2	216.2	33	17.8	7.9	28
Local Seed	LC1407 VT2P	202.5	—	—	31	17.5	8.0	34
Progeny Ag	PGY 2025DG	201.3	—	—	34	17.8	8.0	26
Mission Seed Solutions	A1657VT2P	201.2	—	—	34	18.4	8.1	32
Progeny Ag	PGY 9117VT2P	201.2	219.9	218.7	33	18.6	8.0	31
Mission Seed Solutions	A1257VT2P	200.4	—	—	30	17.7	8.3	35
Dyna-Gro	D58VC65	200.0	226.6	214.7	33	18.4	8.0	28
LG Seeds	LG68C22VT2RIB	197.0	208.3	—	40	19.7	8.3	32
Dyna-Gro	D57VC17	196.8	210.6	—	30	19.5	8.0	26

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

Table 14 (continued). Results from 83 corn hybrids grown with furrow irrigation on a Bosket very fine sandy loam soil at the MAFES Delta Branch, Stoneville, 2020.

Brand name	Hybrid[1]	2020 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*
Local Seed	LC1398 VT2P	196.5	—	—	34	18.0	8.3	35
Local Seed	LC1506 VT2P	196.0	—	—	36	17.3	8.2	33
Local Seed	LC1289 VT2P	195.4	180.6	—	30	18.0	8.4	35
BH Genetics	BH 8555DG2P	194.9	—	—	32	17.9	7.7	33
DeKalb	DKC66-75	194.0	212.9	211.6	34	18.9	8.6	35
Mission Seed Solutions	A1477DGVT2P	193.0	—	—	32	18.4	8.3	31
Progeny Ag	PGY 6116VT2P	192.8	202.5	206.9	34	19.1	8.2	32
Local Seed	LC1707 VT2P	192.7	—	—	32	20.0	8.2	27
DeKalb	DKC66-18	192.4	219.5	—	38	19.1	8.3	38
Local Seed	LC1697 VT2P	192.1	—	—	38	19.3	8.4	34
DeKalb	DKC65-95	192.0	221.0	223.3	33	19.5	8.0	28
MorCorn	MC 4319	189.0	197.6	200.2	30	19.3	7.9	35
Progeny Ag	EXP2018 *	185.3	—	—	37	20.1	8.5	23
Progeny Ag	PGY 2012VT2P	184.3	—	—	33	18.3	8.1	34
Progeny Ag	PGY 2015VT2P	180.4	—	—	35	17.6	8.3	26
Great Heart Seed	HT-7462VT2P	178.7	—	—	30	17.7	7.9	34
Great Heart Seed	HT7890VT2P	178.0	—	—	35	21.1	8.3	36
LG Seeds	LG66C32VT2RIB	174.0	199.0	—	26	17.7	7.6	24
Progeny Ag	EXP1913 *	170.8	189.7	—	34	18.2	7.9	25
Local Seed	LC1806 VT2P	169.2	—	—	36	18.3	7.5	30
Progeny Ag	EXP1917 *	153.2	—	—	32	18.9	8.3	28
Mean		208.7						
CV		7.1						
LSD (0.05)		20.6						
R^2		64						
Error DF		252						

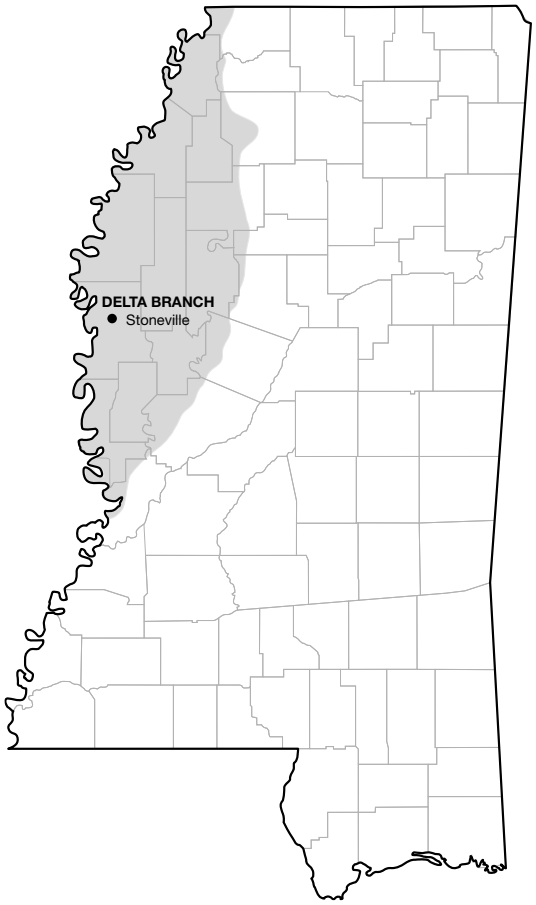
[1]Hybrid followed by an asterisk indicates an experimental entry.

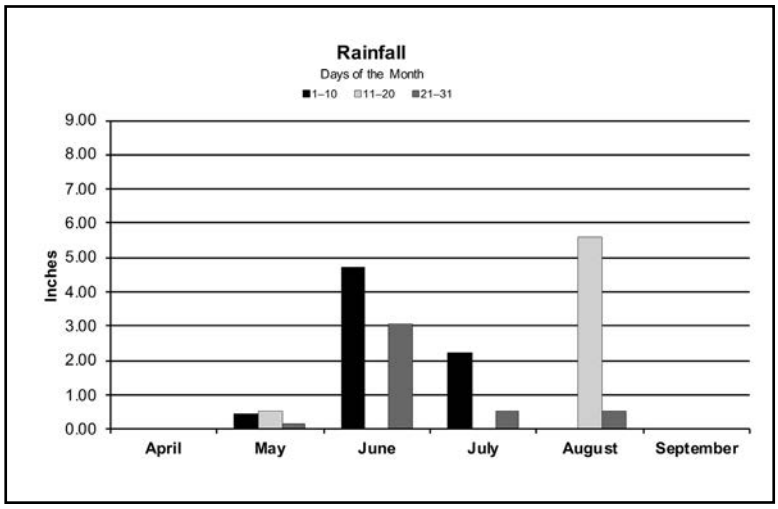
DELTA BRANCH, STONEVILLE (LOAM) NONIRRIGATED

Crop Summary

Plots were planted in mid-April into a stale seedbed with good soil moisture. Beds were dragged down with a do-all just before planting. The planting date was pushed back beyond the normal planting window for this location due to the frequent rains that occurred during the early spring. All plots quickly emerged to a stand. Timely rainfall supplied soil moisture throughout the season. Harvest was completed in a timely manner.

Soil type . . . . . .Bosket very fine sandy loam
Soil pH 6.0
Soil fertility . . . . .P=H, K=H
Fertilizer . . . . . .At planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on April 17
Sidedress — 32% UAN @ 120 units on May 4; 32% UAN @ 120 units on May 26
Herbicide . . . . . .Preemergence — Gramoxone @ 1 qt/A and Corvus @ 5 oz/A on April 17
Postemergence — Roundup PowerMax @ 32 oz/A and Lexar @ 2 qt/A on June 2
Previous crop . . .Soybeans
Planting date . . .April 17
Harvest date . . . .September 10





Rainfall Summary

	Inches
April	0.00
May	1.12
June	7.75
July	2.79
August	6.13
September	0.00
Total	17.79

Table 15. Results from 71 corn hybrids grown without irrigation on a Bosket very fine sandy loam soil at the MAFES Delta Branch, Stoneville, 2020.

Brand name	Hybrid[1]	2020 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*
Pioneer	P1464VYHR	226.9	234.2	—	38	16.1	8.1	31
AgriGold	A6659VT2RIB	225.7	222.6	226.8	36	16.5	7.9	34
Mission Seed Solutions	AV8216YHB	224.0	—	—	38	16.5	8.7	33
Local Seed	LC1898 TC	217.9	—	—	38	17.0	8.4	33
DeKalb	DKC67-44	215.5	217.4	223.4	32	17.4	7.7	30
LG Seeds	LG5643VT2RIB	215.4	—	—	42	16.2	8.5	30
AgriGold	A647-35-3330	215.3	—	—	38	17.3	8.3	32
Local Seed	LC1307 TC	213.8	—	—	34	16.5	8.0	28
DeKalb	DKC70-27	210.9	220.0	226.4	32	18.1	7.8	35
AgriGold	A6544VT2RIB	210.7	222.6	228.9	33	16.3	8.8	34
Local Seed	LC1577 VT2P	210.4	215.8	205.4	29	16.6	7.4	33
DeKalb	DKC67-37	209.6	—	—	34	17.3	8.4	30
Progeny Ag	PGY 9114VT2P	209.5	222.7	225.2	31	16.7	8.0	31
Great Heart Seed	HT-7337VT2P	208.7	—	—	40	16.3	7.9	30
AgriGold	A645-16VT2PRO	207.9	218.5	—	35	17.0	8.5	31
Great Heart Seed	HT-7676VT2P	206.8	216.5	—	38	17.9	8.9	31
DeKalb	DKC69-99	205.4	—	—	40	18.0	8.5	29
Dyna Gro	D57VC51	205.2	210.4	215.3	32	16.7	8.3	31
Local Seed	LC1497 DGVT2P	205.2	—	—	28	16.3	7.8	33
Local Seed	LC1506 VT2P	205.1	—	—	41	16.6	8.3	26
LG Seeds	LG66C44	204.0	—	—	40	16.9	8.2	32
DeKalb	DKC68-69	203.3	219.9	222.0	41	18.8	8.3	34
Local Seed	LC1707 VT2P	202.9	—	—	38	18.0	8.2	28
Pioneer	P1077YHR	202.5	—	—	32	16.2	8.5	27
AgriGold	A6572VT2RIB	202.5	220.9	215.0	34	16.9	8.6	30
Local Seed	LC1289 VT2P	202.3	202.4	—	26	16.6	7.7	31
MorCorn	MC 4670	202.1	—	—	37	16.7	8.3	26
Mission Seed Solutions	A1477DGVT2P	201.5	—	—	35	16.7	8.5	30
Great Heart Seed	HT-7302VT2P	201.2	—	—	26	16.5	7.5	34
Croplan	CP5550 VT2P	200.1	—	—	30	16.5	8.2	31
Dyna-Gro	CX20114 *	199.4	—	—	27	16.8	8.2	27
LG Seeds	LG68C59	198.9	—	—	40	16.8	8.8	34
Croplan	CP5370 VT2P	198.4	—	—	34	16.6	8.1	30
Progeny Ag	EXP2015 *	198.4	—	—	36	16.0	8.5	30
Mission Seed Solutions	A1798VT2P	197.1	—	—	32	17.3	8.0	31
Local Seed	LC1987VT2P	195.3	207.1	204.4	38	17.2	8.4	31
DeKalb	DKC65-95	195.0	222.7	225.2	32	17.7	8.3	34
Dyna-Gro	D57VC17	193.7	195.7	—	27	17.5	7.9	27
Croplan	X19115B VT2P *	193.1	—	—	30	16.9	8.2	31
Mission Seed Solutions	A1257VT2P	192.8	—	—	36	16.4	8.1	33
Local Seed	LC1398 VT2P	192.8	—	—	40	16.6	7.9	29
Local Seed	LC1407 VT2P	190.7	—	—	38	16.3	8.2	32
Progeny Ag	PGY 8116SS	190.4	201.7	212.3	36	17.2	8.6	29
Progeny Ag	PGY 2025DG	190.4	—	—	28	16.6	8.4	28
Dyna-Gro	D58VC65	189.8	200.8	204.8	32	16.8	7.7	28
Mission Seed Solutions	A1548DGVT2P	189.5	—	—	32	16.5	8.0	33
MorCorn	MC 4255	189.4	201.2	—	37	16.5	8.2	31
MorCorn	MC4725	189.4	209.7	207.9	29	17.2	8.0	30
DeKalb	DKC66-75	188.9	213.9	223.1	24	16.6	7.2	31
Local Seed	LC1697 VT2P	188.4	—	—	41	17.6	8.0	30
DeKalb	DKC65-99	188.3	—	—	30	16.9	7.4	32
Croplan	CP5335 VT2P	187.4	—	—	32	17.5	9.0	30
Croplan	CP5340 VT2P	186.9	—	—	26	16.8	7.4	31
Progeny Ag	EXP1912 *	186.5	201.5	—	32	16.1	8.2	29
Progeny Ag	PGY 9117VT2P	185.9	202.6	214.5	27	16.5	8.2	27
Great Heart Seed	HT-7462VT2P	184.8	—	—	28	16.5	7.8	30
Local Seed	LC11806 VT2P	184.6	—	—	30	16.7	7.3	28
Mission Seed Solutions	A1657VT2P	183.1	—	—	29	17.4	8.1	31
Progeny Ag	PGY 5115VT2P	182.3	202.3	218.1	30	16.5	7.8	33
MorCorn	MC4319	181.7	187.7	196.1	40	17.2	8.2	31
LG Seeds	LG68C22VT2RIB	179.3	—	—	32	17.9	8.0	31
DeKalb	DKC66-18	178.3	204.7	—	33	16.9	7.5	30
Mission Seed Solutions	AV7516Q	176.0	—	—	34	17.6	8.9	33

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

Table 15 (continued). Results from 71 corn hybrids grown without irrigation on a Bosket very fine sandy loam soil at the MAFES Delta Branch, Stoneville, 2020.

Brand name	Hybrid[1]	2020 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*
Progeny Ag	PGY 6116VT2P	175.2	203.8	208.8	32	16.7	7.5	27
Progeny Ag	PGY 2012VT2P	173.0	—	—	29	16.4	7.7	29
LG Seeds	LG66C32VT2RIB	170.6	—	—	40	16.5	8.4	27
Progeny Ag	EXP2018 *	170.3	—	—	33	17.4	8.2	26
Progeny Ag	EXP1915 *	169.4	186.9	—	34	17.6	8.0	24
Progeny Ag	PGY 2015VT2P	169.2	—	—	39	16.5	8.7	20
Progeny Ag	EXP1913 *	163.9	185.7	—	27	16.7	8.0	28
Progeny Ag	EXP1917 *	155.8	—	—	32	16.7	8.0	27
Great Heart Seed	HT7890VT2P	155.0	—	—	38	18.5	8.9	23
Mean		194.7						
CV		10.9						
LSD (0.05)		29.7						
R^2		41.0						
Error DF		216						

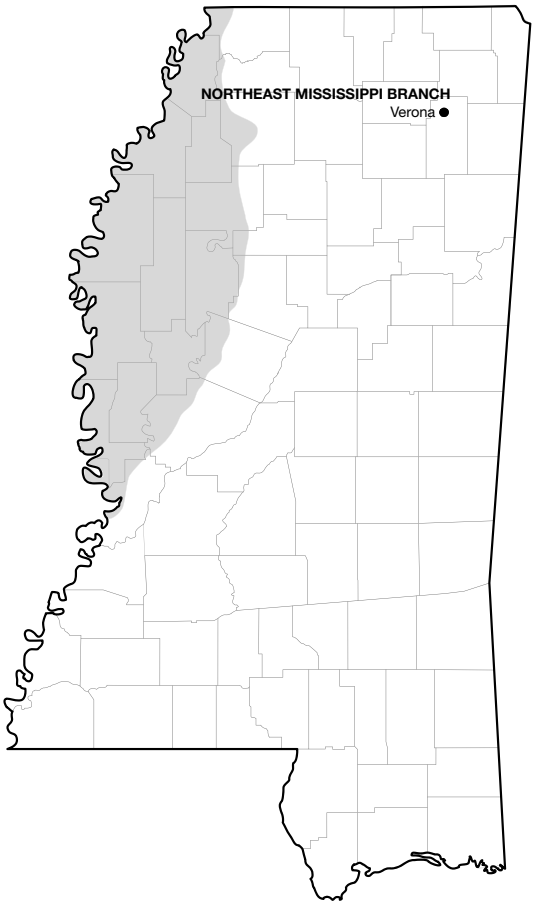
[1]Hybrid followed by an asterisk indicates an experimental entry.

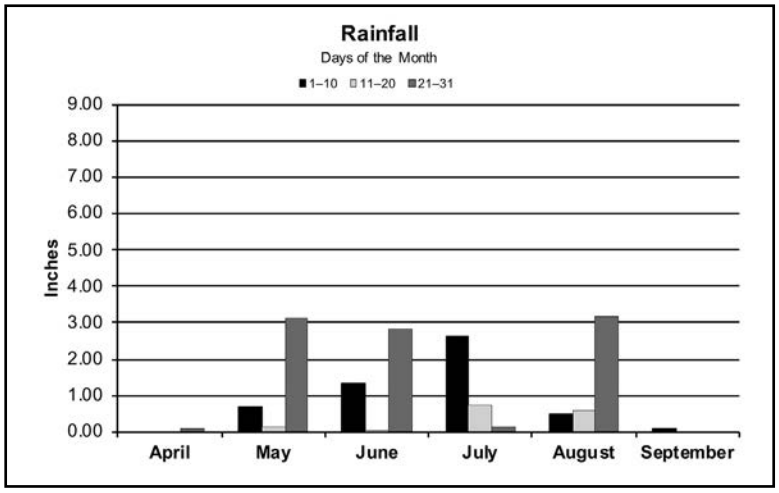
MAFES NORTHEAST MISSISSIPPI BRANCH, VERONA

Crop Summary

Corn plots were planted in late April into a stale seedbed that had good soil moisture. All plots quickly emerged to a good stand. Timely rainfall during the growing season supplied adequate soil moisture throughout the season, allowing for good yields at this dryland location. Harvest was completed in a timely manner.

Soil type . . . . . .Leeper silty clay
Soil pH 6.1
Soil fertility . . . . . .P=M, K=M
Fertilizer . . . . . .At planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on April 30
Topdress — N @ 33 lb/A (33-0-0-12S) on May 12; N @ 175 lb/A (46-0-0) on June 3
Herbicide . . . . . .Preemergence — Gramoxone @ 1 qt/A and Corvus @ 5 oz/A on April 30
Postemergence — Roundup PowerMax @ 32 oz/A and Lexar @ 2 qt/A on June 3; Atrazine @ 8 oz/A on May 8
Previous crop . . .Soybeans
Planting date . . . .April 30
Harvest date . . . .September 11





Rainfall Summary

	Inches
April	0.09
May	3.96
June	4.16
July	3.52
August	4.24
September	0.11
Total	16.08

Table 16. Results from 71 corn hybrids grown without irrigation on a Leeper fine sandy soil at the MAFES Northeast Mississippi Branch, Verona, 2020.

Brand name	Hybrid[1]	2020 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*
Great Heart Seed	HT-7676VT2P	207.7	200.8	—	43	21.0	9.3	34
DeKalb	DKC65-99	205.1	—	—	35	19.3	9.0	34
DeKalb	DKC70-27	204.9	208.9	—	41	21.5	8.5	35
Local Seed	LC1707 VT2P	201.2	—	—	43	21.3	9.3	32
DeKalb	DKC65-95	200.5	200.5	—	39	19.5	8.6	33
Progeny Ag	PGY 8116SS	200.4	210.0	—	42	20.1	8.7	31
DeKalb	DKC67-44	198.4	199.7	—	40	20.1	8.8	31
Local Seed	LC1497 DGVT2P	197.8	—	—	41	18.8	8.8	35
Local Seed	LC1307 TC	197.0	—	—	38	18.2	8.6	34
MorCorn	MC4725	196.6	208.8	—	41	19.8	8.4	32
Progeny Ag	EXP2015 *	196.5	—	—	45	18.7	8.3	29
DeKalb	DKC66-75	196.1	198.4	—	43	19.5	8.6	35
DeKalb	DKC69-99	195.6	—	—	39	21.1	9.5	33
DeKalb	DKC68-69	195.6	197.2	—	43	22.2	9.1	34
Local Seed	LC1289 VT2P	195.4	195.6	—	42	18.9	8.7	35
DeKalb	DKC67-37	195.3	—	—	41	21.3	9.5	34
Local Seed	LC1577 VT2P	193.8	191.2	—	37	18.5	8.5	33
Local Seed	LC1398 VT2P	193.5	—	—	41	19.3	9.1	34
Progeny Ag	EXP2018 *	193.3	—	—	43	21.2	8.8	27
Dyna Gro	D57VC51	192.1	198.4	—	40	18.3	8.7	31
Dyna-Gro	D57VC17	191.2	192.8	—	40	20.4	8.3	27
Great Heart Seed	HT7890VT2P	190.7	—	—	36	21.1	8.6	34
Great Heart Seed	HT-7337VT2P	190.5	—	—	38	19.3	9.0	27
Croplan	CP5370 VT2P	189.4	—	—	34	19.5	8.2	31
LG Seeds	LG66C44	188.9	—	—	43	20.1	9.0	33
MorCorn	MC 4670	188.8	—	—	39	19.7	8.8	30
LG Seeds	LG68C22VT2RIB	187.5	—	—	43	20.6	8.7	33
Local Seed	LC1987VT2P	186.9	195.6	—	38	20.8	9.1	31
Mission Seed Solutions	A1477DGVT2P	186.2	—	—	39	18.6	9.3	33
Croplan	CP5340 VT2P	186.2	—	—	36	18.0	8.4	27
Progeny Ag	PGY 2025DG	185.8	—	—	40	19.6	8.7	29
Mission Seed Solutions	A1657VT2P	184.9	—	—	40	20.9	8.9	33
Mission Seed Solutions	A1548DGVT2P	184.1	—	—	36	19.2	8.6	34
DeKalb	DKC66-18	184.1	194.5	—	39	19.9	9.1	33
Dyna-Gro	CX20114 *	183.5	—	—	38	18.7	8.9	28
AgriGold	A6572VT2RIB	183.3	200.5	—	38	19.0	9.2	34
Local Seed	LC1506 VT2P	183.1	—	—	41	18.7	8.8	29
Croplan	X19115B VT2P *	183.0	—	—	41	20.2	9.3	30
Progeny Ag	EXP1912 *	182.9	190.2	—	39	18.0	8.9	31
Progeny Ag	PGY 9117VT2P	182.7	199.9	—	33	19.9	8.5	28
AgriGold	A645-16VT2PRO	182.0	200.8	—	45	20.5	9.1	28
Local Seed	LC1898 TC	181.9	—	—	40	18.8	9.2	33
Local Seed	LC1697 VT2P	181.2	—	—	38	19.4	8.6	30
Pioneer	P1464VYHR	180.9	195.9	—	44	19.8	8.4	30
Mission Seed Solutions	AV7516Q	180.8	—	—	43	23.5	9.1	33
Progeny Ag	PGY 2012VT2P	180.3	—	—	42	18.9	8.7	31
Progeny Ag	PGY 9114VT2P	179.9	201.0	—	36	18.3	9.5	31
Local Seed	LC1407 VT2P	179.8	—	—	46	20.0	10.0	31
MorCorn	MC4319	179.3	181.7	—	44	20.0	8.8	31
MorCorn	MC 4255	179.1	190.0	—	41	19.0	8.8	30
Mission Seed Solutions	A1257VT2P	178.9	—	—	36	18.2	8.7	33
Great Heart Seed	HT-7302VT2P	178.4		—	35	18.4	8.5	33
Great Heart Seed	HT-7462VT2P	178.1	—	—	34	18.6	8.3	33
AgriGold	A6659VT2RIB	178.0	194.9	—	38	18.6	9.3	30
Croplan	CP5550 VT2P	177.9	—	—	38	17.8	8.6	31
Croplan	CP5335 VT2P	177.9	—	—	41	19.3	9.1	31
AgriGold	A6544VT2RIB	177.4	190.7	—	39	17.6	9.9	32
LG Seeds	LG5643VT2RIB	177.0	—	—	38	17.1	8.3	34
Progeny Ag	EXP1913 *	174.2	187.9	—	42	19.2	8.7	28
Mission Seed Solutions	AV8216YHB	173.8	—	—	35	20.7	9.4	31
LG Seeds	LG66C32VT2RIB	172.6	—	—	36	19.5	8.7	33
Progeny Ag	PGY 6116VT2P	172.0	192.7	—	39	18.7	8.8	26
Dyna-Gro	D58VC65	171.3	185.6	—	33	18.8	7.6	25

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

Table 16 (continued). Results from 71 corn hybrids grown without irrigation on a Leeper fine sandy soil at the MAFES Northeast Mississippi Branch, Verona, 2020.

Brand name	Hybrid[1]	2020 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		bu/A	*bu/A*	*bu/A*	*in*	*%*	*ft*	*x1000*
Mission Seed Solutions	A1798VT2P	171.1	—	—	38	18.5	8.7	32
Progeny Ag	EXP1915 *	168.8	181.9	—	33	19.5	8.7	31
Local Seed	LC11806 VT2P	168.4	—	—	42	19.0	9.6	33
Pioneer	P1077YHR	165.8	—	—	34	17.9	7.7	28
LG Seeds	LG68C59	164.3	—	—	41	19.6	8.8	33
AgriGold	A647-35-3330	161.8	—	—	42	20.0	9.7	34
Progeny Ag	PGY 2015VT2P	159.8	—	—	38	18.3	8.6	27
Progeny Ag	PGY 5115VT2P	155.9	180.4	—	36	18.1	8.4	33
Progeny Ag	EXP1917 *	138.0	—	—	41	19.7	8.6	27
Mean		183.7						
CV		14.0						
LSD (0.05)		35.9						
R^2		23.0						
Error DF		216						

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

BROWN LOAM BRANCH, RAYMOND

Data Not Reported Due to Wildlife Predation

No data were reported from this location for 2020 due to the extensive wildlife feeding observed within the plots. Nearly all plots received significant damage or were completely destroyed as the result of deer and racoons feeding on the corn plots at this location.

Table 17. Characteristics provided by sponsoring companies for corn hybrids entered in the Mississippi Corn for Grain Hybrid Trials, 2020.

Company	Brand	Hybrid	Traits associated with hybrids									Seed treatment	Days mat.	Plant pop. x 1,000
			RR	LL	Conv	VT2P	VT3P	SS/ SSX	VIP	HX	Other			
AgriGold Hybrids	Agrigold	A6544VT2RIB	x			x						Poncho 500 + Votivo	113	32
5381 Akin Rd.	Agrigold	A6572VT2RIB	x			x						Poncho 500 + Votivo	114	32
St. Francisville,	Agrigold	A645-16VT2Pro	x			x						Poncho 500 + Votivo	115	32
IL 62460	Agrigold	A6659VT2RIB	x			x						Poncho 500 +Votivo	116	32
618-292-5844	AgriGold	A647-35-3330	x	x					x			Agrisure Viptera 3330	117	32
	AgriGold	A6544VT2RIB	x			x						Poncho 500 + Votivo	113	34
	AgriGold	A6572VT2RIB	x			x						Poncho 500 + Votivo	114	34
	AgriGold	A645-16VT2Pro	x			x						Poncho 500 + Votivo	115	34
	AgriGold	A645-80-3110	x	x					x		Agrisure Viptera 3110	Poncho 500 + Votivo	115	34
	AgriGold	A6659VT2RIB	x			x						Poncho 500 +Votivo	116	34
	AgriGold	A647-35-3330	x	x					x		Agrisure Viptera 3330		117	34
Augusta Seed	Augusta Seed Corp.	A1367	x	x					x		Agrisure Viptera 3220GT	Cruiser 1250	117	36
P.O. Box 899	Augusta Seed Corp.	A7168	x			x						Acceleron-Votivo	118	36
Verona, VA 24482	Augusta Seed Corp.	A4565	x	x					x		Agrisure Viptera 3220GT	Cruiser 1250	115	36
540-886-6055	Augusta Seed Corp.	A4567	x	x					x		Agrisure Viptera 3220GT	Cruiser 1250	117	36
BH Genetics	BH Genetics	BH 8721VT2P	x			x						Poncho/Votivo 500	117	35
5933 FM 1157	BH Genetics	BH 8555DG2P	x			x					DG	Poncho/Votivo 500	115	35
Ganado, TX 77962	BH Genetics	XP 8820VT2P	x			x						Poncho/Votivo 500	118	35
361-771-2755	Croplan	CP5335/VT2P	x			x						Fortivent zinc	113	34
	Croplan	CP5370/VT2P	x			x						Fortivent zinc	113	34
	Croplan	CP5340/VT2P	x			x						Fortivent zinc	113	34
	Croplan	CP5550/VT2P	x			x						Fortivent zinc	115	34
	Croplan	X19115B/VT2P	x			x						Fortivent zinc	115	34
	Croplan	CP5335/VT2P	x			x						Fortivent zinc	113	30
	Croplan	CP5370/VT2P	x			x						Fortivent zinc	113	30
	Croplan	CP5340/VT2P	x			x						Fortivent zinc	113	30
	Croplan	CP5550/VT2P	x			x						Fortivent zinc	115	30
	Croplan	X19115B/VT2P	x			x						Fortivent zinc	115	30
Bayer Crop Science	DEKALB	DKC67-44				x						Poncho/Votivo	117	34
800 Lindbergh Blvd.	DEKALB	DKC69-99							x			Poncho/Votivo	119	36
St. Louis, MO 63167	DEKALB	DKC68-69				x						Poncho/Votivo	118	36
601-317-2661	DEKALB	DKC67-37						x				Poncho/Votivo	117	36
	DEKALB	DKC66-18				x						Poncho/Votivo	116	36
	DEKALB	DKC65-99							x			Poncho/Votivo	115	36
	DEKALB	DKC66-75				x						Poncho/Votivo	116	36
	DEKALB	DKC65-95				x						Poncho/Votivo	115	36
	DEKALB	DKC70-27				x						Poncho/Votivo	120	38
	DEKALB	DKC67-44				x						Poncho/Votivo	117	30
	DEKALB	DKC69-99							x			Poncho/Votivo	119	34
	DEKALB	DKC68-69				x						Poncho/Votivo	118	34
	DEKALB	DKC67-37						x				Poncho/Votivo	117	34
	DEKALB	DKC66-18				x						Poncho/Votivo	116	34
	DEKALB	DKC65-99							x			Poncho/Votivo	115	34
	DEKALB	DKC66-75				x						Poncho/Votivo	116	34
	DEKALB	DKC65-95				x						Poncho/Votivo	115	34
	DEKALB	DKC70-27				x						Poncho/Votivo	120	36
	Dyna-Gro	D55VC80				x						Poncho 500	115	34
	Dyna-Gro	CX20114				x						Poncho 500	114	34
	Dyna-Gro	D57VC17				x						Poncho 500	117	34
	Dyna-Gro	D58VC65				x						Poncho 500	118	34
	Dyna-Gro	D57VC51				x						Poncho 500	117	36
	Dyna-Gro	CX20114				x						Poncho 500	114	28
	Dyna-Gro	D57VC17				x						Poncho 500	117	28
	Dyna-Gro	D58VC65				x						Poncho 500	118	28
	Dyna-Gro	D57VC51				x						Poncho 500	117	30
Great Heart Seed	Great Heart Seed	HT-7425 DGVT2P				x					DG	Acceleron 500 Votivo	114	38
220 W. Washington St.	Great Heart Seed	HT7256 DGVT2P				x					DG	Acceleron 500 Votivo	112	38
St. Paris, IL 61944	Great Heart Seed	HT-7302VT2P				x						Acceleron 500	113	38
217-465-4132	Great Heart Seed	HT-7462VT2P				x						Acceleron 500	114	38
	Great Heart Seed	HT7890VT2P				x						Acceleron 500	118	38
	Great Heart Seed	HT-7337VT2P				x						Acceleron 500	113	38
	Great Heart Seed	HT-7302VT2P				x						Acceleron 500	113	34
	Great Heart Seed	HT-7462VT2P				x						Acceleron 500	114	34
	Great Heart Seed	HT7890VT2P				x						Acceleron 500	118	34
	Great Heart Seed	HT-7337VT2P				x						Acceleron 500	113	34
	Great Heart Seed	HT-7676VT2P				x						Acceleron 500	116	34

Table 17 (continued). Characteristics provided by sponsoring companies for corn hybrids entered in the Mississippi Corn for Grain Hybrid Trials, 2020.

Company	Brand	Hybrid	Traits associated with hybrids									Seed treatment	Days mat.	Plant pop. x 1,000
			RR	LL	Conv	VT2P	VT3P	SS/ SSX	VIP	HX	Other			
LG Seeds	LG Seeds	LG5643	x			x						Poncho500 + Votivo	114	34
1122 E. 169th St.	LG Seeds	LG66C32	x			x						Poncho500 + Votivo	116	34
Westfield, IN 46074	LG Seeds	LG68C59	x	x		x			x		Agrisure Viptera 3330A	Poncho500 + Votivo	118	34
812-457-3132	LG Seeds	LG66C44	x			x						Poncho500 + Votivo	116	36
	LG Seeds	LG68C22	x			x						Poncho500 + Votivo	118	36
	LG Seeds	LG5643	x			x						Poncho500 + Votivo	114	32
	LG Seeds	LG66C32	x			x						Poncho500 + Votivo	116	32
	LG Seeds	LG66C44	x			x						Poncho500 + Votivo	116	32
	LG Seeds	LG68C22	x			x						Poncho500 + Votivo	118	32
	LG Seeds	LG68C59	x	x		x			x		Agrisure Viptera 3330A	Poncho500 + Votivo	118	32
Local Seed Co.	Local Seed Co.	LCX14-20 VT2P				x						Radius 500	114	34
802 Rozelle St.	Local Seed Co.	LC1898 TC				x					Trecepta	Radius 500	118	34
Memphis, TN 38104	Local Seed Co.	LC1987 VT2P				x						Radius 500	119	34
570-419-3692	Local Seed Co.	LCX17-22VT2P				x						Radius 500	117	34
	Local Seed Co.	LCX15-20VT2P				x						Radius 500	115	34
	Local Seed Co.	LC1289 VT2P				x						Radius 500	112	36
	Local Seed Co.	LC1398 VT2P				x						Radius 500	113	36
	Local Seed Co.	LC1497 DGVT2P				x					DG	Radius 500	114	36
	Local Seed Co.	LC1577 VT2P				x						Radius 500	115	36
	Local Seed Co.	LC1697 VT2P (LCX19-91 VT2P)				x						Radius 500	116	36
	Local Seed Co.	LCX17-21 VT2P				x						Radius 500	117	36
	Local Seed Co.	LCX13-20 TC									Trecepta	Radius 500	113	36
	Local Seed Co.	LCX14-20 VT2P				x						Radius 500	114	32
	Local Seed Co.	LC1898 TC				x					Trecepta	Radius 500	118	32
	Local Seed Co.	LC1987 VT2P				x						Radius 500	119	32
	Local Seed Co.	LCX17-22VT2P				x						Radius 500	117	32
	Local Seed Co.	LCX15-20VT2P				x						Radius 500	115	32
	Local Seed Co.	LC1289 VT2P				x						Radius 500	112	34
	Local Seed Co.	LC1398 VT2P				x						Radius 500	113	34
	Local Seed Co.	LC1497 DGVT2P				x					DG	Radius 500	114	34
	Local Seed Co.	LC1577 VT2P				x						Radius 500	115	34
	Local Seed Co.	LC1697 VT2P (LCX19-91 VT2P)				x						Radius 500	116	34
	Local Seed Co.	LCX17-21 VT2P				x						Radius 500	117	34
	Local Seed Co.	LCX13-20 TC									Trecepta	Radius 500	113	34
Mission Seed Solutions	Mission Seed	AV8216YHB	x	x						x	YGCB	Poncho 500 +Votivo	116	34
518 N. Sharpe Ave.	Mission Seed	A1477DGVT2P	x			x					DroughtGaurd	Acceleron 250	114	34
Cleveland, MS 38732	Mission Seed	A1798V T2P	x			x						Acceleron 250	117	34
662-719-8685	Mission Seed	AV7516Q	x	x							YGCB	Poncho 500 +Votivo	116	34
	Mission Seed	A1257VT2P	x			x						Acceleron 250	112	34
	Mission Seed	A1657VT2P	x			x						Acceleron 250	115	34
	Mission Seed	A1548DGVT2P	x			x					DroughtGaurd	Acceleron 250	114	38
	Mission Seed	AV8216YHB	x	x						x	YGCB	Poncho 500 +Votivo	116	32
	Mission Seed	A1477DGVT2P	x			x					DroughtGaurd	Acceleron 250	114	32
	Mission Seed	A1548DGVT2P	x			x					DroughtGaurd	Acceleron 250	114	32
	Mission Seed	A1798V T2P	x			x						Acceleron 250	117	32
	Mission Seed	AV7516Q	x	x							YGCB	Poncho 500 +Votivo	116	32
	Mission Seed	A1257VT2P	x			x						Acceleron 250	112	32
	Mission Seed	A1657VT2P	x			x						Acceleron 250	115	32
SeedKoz	MorCorn	MC 4255				x						1250	112	35
1725 Windward Conc.	MorCorn	MC 4319				x						1250	113	35
Suite 410	MorCorn	MC 4670 (MC XP 1956)									Trecepta	1250	116	35
Alpharetta, GA 30005	MorCorn	MC 4725				x						1250	117	35
478-957-9865	MorCorn	MC 4255				x						1250	112	30
	MorCorn	MC 4319				x						1250	113	30
	MorCorn	MC 4670 (MC XP 1956)									Trecepta	1250	116	30
	MorCorn	MC 4725				x						1250	117	30
Dupont Pioneer	Pioneer	P1077YHR	x	x		x				x		Lumigen	110	34
7250 NW 62nd Ave.	Pioneer	P1870YHR	x	x		x				x		Lumigen	118	34
Johnston, IA 50131	Pioneer	P1077YHR	x	x		x				x		Lumigen	110	30
662-782-9958	Pioneer	P1464VYHR	x	x					x	x		Lumigen	114	30

Table 17 (continued). Characteristics provided by sponsoring companies for corn hybrids entered in the Mississippi Corn for Grain Hybrid Trials, 2020.

Company	Brand	Hybrid	Traits associated with hybrids									Seed treatment	Days mat.	Plant pop. x 1,000
			RR	LL	Conv	VT2P	VT3P	SS/ SSX	VIP	HX	Other			
Progeny AG Products	Progeny Ag.	PGY2015VT2P (EXP 1925)	x			x						PV500+EDC+B360	115	34
1529 Hwy. 193														
Wynne, AR 72396	Progeny Ag.	PGY2025DG (EXP1815)	x			x					DroughtGaurd	PV500+EDC+B360	115	34
979-587-9968														
	Progeny Ag.	EXP1915 (EXP1915SS)	x			x						PV500+EDC+B360	115	34
	Progeny Ag.	EXP2015	x			x						PV500+EDC+B360	115	34
	Progeny Ag.	PGY6116VT2P	x			x						PV500+EDC+B360	116	34
	Progeny Ag.	PGY9117VT2P	x			x						PV500+EDC+B360	117	34
	Progeny Ag.	EXP1917	x			x						PV500+EDC+B360	117	34
	Progeny Ag.	EXP2018	x					x				PV500+EDC+B360	118	34
	Progeny Ag.	EXP1912	x			x						PV500+EDC+B360	112	36
	Progeny Ag.	EXP1913	x			x						PV500+EDC+B360	113	36
	Progeny Ag.	PGY9114VT2P	x			x						PV500+EDC+B360	114	36
	Progeny Ag.	PGY8116SS	x					x				PV500+EDC+B360	116	36
	Progeny Ag.	PGY2012VT2P (EXP1712)				x						PV500+EDC+B360	112	36
	Progeny Ag.	PGY5115VT2P	x			x						PV500+EDC+B360	115	38
	Progeny Ag.	PGY2025DG (EXP1815)	x			x					DroughtGaurd	PV500+EDC+B360	115	28
	Progeny Ag.	PGY6116VT2P	x			x						PV500+EDC+B360	116	28
	Progeny Ag.	PGY9117VT2P	x			x						PV500+EDC+B360	117	28
	Progeny Ag.	EXP1917	x			x						PV500+EDC+B360	117	28
	Progeny Ag.	EXP2018	x					x				PV500+EDC+B360	118	28
	Progeny Ag.	EXP1912	x			x						PV500+EDC+B360	112	30
	Progeny Ag.	EXP1913	x			x						PV500+EDC+B360	113	30
	Progeny Ag.	PGY2015VT2P (EXP 1925)	x			x						PV500+EDC+B360	115	30
	Progeny Ag.	EXP1915 (EXP1915SS)	x			x						PV500+EDC+B360	115	30
	Progeny Ag.	EXP2015	x			x						PV500+EDC+B360	115	30
	Progeny Ag.	PGY8116SS	x					x				PV500+EDC+B360	116	30
	Progeny Ag.	PGY2012VT2P (EXP1712)				x						PV500+EDC+B360	112	30
	Progeny Ag.	PGY9114VT2P	x			x						PV500+EDC+B360	114	32
	Progeny Ag.	PGY5115VT2P	x			x						PV500+EDC+B360	115	34
Terral Seed Inc.	REV	28BHR18	x	x						x	YGCB	Poncho/Votivo 1250	118	32
117 Ellington Dr.	REV	22BHR51	x	x						x	YGCB	Poncho/Votivo 1250	112	34
Rayville, LA 71269	REV	27LPR90	x	x						x	AVBL	Poncho/Votivo 1250	117	34
318-341-8814	REV	24BHR99	x	x						x	YGCB	Poncho/Votivo 1250	114	36
	REV	28BHR18	x	x						x	YGCB	Poncho/Votivo 1250	118	30
	REV	22BHR51	x	x						x	YGCB	Poncho/Votivo 1250	112	32
	REV	24BHR99	x	x						x	YGCB	Poncho/Votivo 1250	114	32
	REV	27LPR90	x	x						x	AVBL	Poncho/Votivo 1250	117	32
	REV	26BHR30	x	x						x	YGCB	Poncho/Votivo 1250	116	32
	Taylor Seed	T-8680VT2PRO				x						250	117	36
	Taylor Seed	T-8561VT2PRORIB				x						250	115	36

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.

Reuben Moore, Interim Director **www.mafes.msstate.edu**