

MISSISSIPPI CORN FOR GRAIN

HYBRID TRIALS, 2021

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MISSISSIPPI'S OFFICIAL VARIETY TRIALS



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NOTE TO USER

This Mississippi Agricultural and Forestry Experiment Station information bulletin is a summary of research conducted under project number MIS 1414 at locations shown on the map on the second page. It is intended for colleagues, cooperators, and sponsors. The interpretation of data presented in this report may change after additional experimentation. Information included is not to be construed as a recommendation for use or as an endorsement of a specific product by Mississippi State University or the Mississippi Agricultural and Forestry Experiment Station.

This report contains data generated as part of the Mississippi Agricultural and Forestry Experiment Station research program. Joint sponsorship by the organizations listed on pages 36–37 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 36–37



Mississippi Corn for Grain Hybrid Trials, 2021

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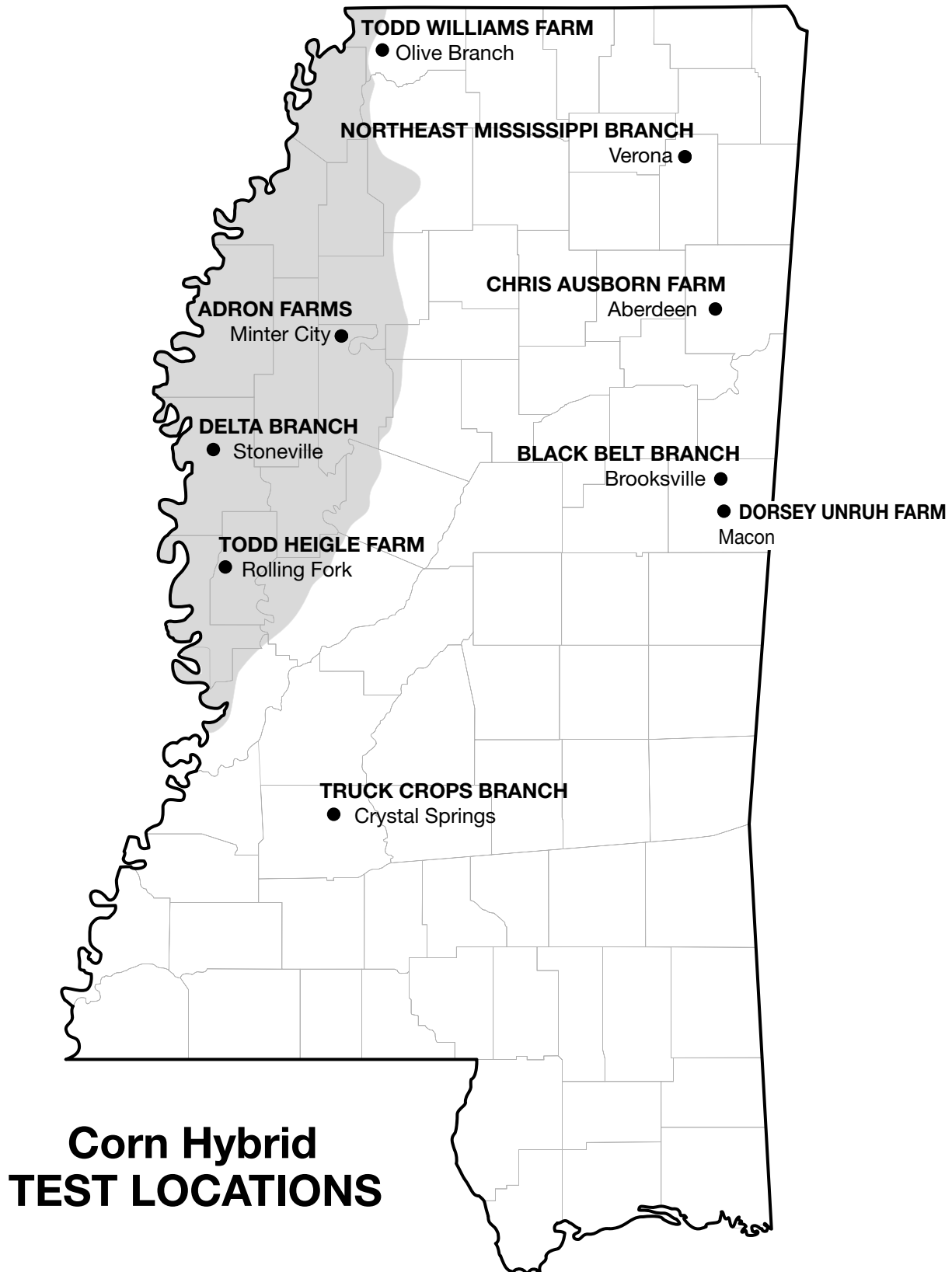
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Find variety trial information online at mafes.msstate.edu/variety-trials.



Mississippi Corn for Grain Hybrid Trials, 2021

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. 2021 corn hybrid trials location summary.

Location	Soil type	Irrigation	Planting date	Harvest date	Row spacing
Aberdeen, Chris Ausborn Farm	Houston clay	Not Irrigated	4/19	9/10	30"
Brooksville, Black Belt Branch	Brooksville silty clay	Not Irrigated	4/6	9/8	30"
Macon, Dorsey Unruh Farm	Brooksville and Vaiden silty clay	Irrigated	4/7	8/28	30"
Olive Branch, Todd Williams Farm	Collins silt loam	Not Irrigated	4/20	9/10	30"
Stoneville (clay), Delta Branch	Commerce silty clay loam	Irrigated	4/6	9/9	30"
Stoneville (loam), Delta Branch	Bosket very fine sandy loam	Irrigated	3/22, replanted on 4/13	9/13	30"
Stoneville (loam), Delta Branch	Bosket very fine sandy loam	Not Irrigated	3/22, replanted on 4/13	9/13	30"
Crystal Springs, Truck Crops Branch	Providence silt loam	Not Irrigated	4/7	9/3	30"
Minter City, Adron Farms	Dundee loam & Tensas silty clay loam	Irrigated	4/19	8/27	30"
Verona, Northeast MS Branch	Leeper silty clay loam	Not Irrigated	4/5	9/14	30"
Rolling Fork, Todd Heigle Farm	Commerce silty clay loam	Irrigated	3/22	8/26	30"

Table 2. 2021 corn hybrid yield summary for dryland locations.

Brand	Hybrid ¹	Aberdeen hills (clay)	Brooksville hills (clay)	Crystal Springs hills (loam)	Olive Branch hills (loam)	Stoneville delta (loam)	Verona hills (loam)	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AgriGold	A645-16VT2PRO	172.3	207.9	209.0	218.0	214.3	192.1	202.3
AgriGold	A645-80-3110	153.0	229.6	177.1	197.4	202.9	204.7	194.1
AgriGold	A647-42TRC	176.0	204.6	250.3	189.1	238.2	185.6	207.3
AgriGold	A6544VT2RIB	185.7	218.0	221.8	201.7	213.9	198.0	206.5
AgriGold	A6659 VT2 RIB	169.0	216.1	211.1	221.0	235.7	212.5	210.9
Croplan	CP5370 VT2P	180.1	208.8	174.2	221.1	230.6	217.8	205.4
Croplan	CP5497VT2P	150.1	197.5	220.4	180.0	212.9	179.1	190.0
Croplan	CP5550VT2P	189.1	221.5	188.6	209.5	231.2	205.3	207.5
Dyna-Gro	D52VC63	168.0	193.3	205.3	191.9	205.3	204.0	194.6
Dyna-Gro	D54VC14	166.1	210.0	210.0	202.8	215.6	191.9	199.4
Dyna-Gro	D54VC34	170.7	202.4	225.5	197.5	217.0	177.7	198.5
Dyna-Gro	D55VC80	175.1	202.7	219.9	202.0	191.7	187.0	196.4
Dyna-Gro	D57VC51	195.3	229.9	223.0	221.2	218.9	237.2	220.9
Dyna-Gro	D58VC22	179.3	198.8	202.1	191.8	178.2	194.8	190.8
Dyna-Gro	D58VC65	190.1	205.4	185.3	186.1	213.5	213.0	198.9
DeKalb	DKC62-89	165.9	194.0	218.6	171.1	207.6	193.9	191.8
DeKalb	DKC65-99	167.2	202.9	174.6	217.6	216.2	195.5	195.7
DeKalb	DKC66-18	175.4	196.5	195.5	213.0	203.5	183.0	194.5
DeKalb	DKC67-44	173.3	212.8	171.1	213.7	205.0	198.9	195.8
DeKalb	DKC67-94	169.7	191.6	181.2	203.4	205.5	199.2	191.8
DeKalb	DKC68-69	161.2	197.4	180.6	204.8	218.9	211.0	195.7
DeKalb	DKC69-99	172.3	208.7	165.5	205.3	213.5	193.4	193.1
DeKalb	DKC70-27	165.3	199.9	188.4	210.7	218.1	192.8	195.8
Great Heart Seed	HT-7302VT2P	162.8	207.7	225.3	189.8	230.1	190.8	201.1
Great Heart Seed	HT-7337VT2P	167.4	198.7	215.0	185.5	211.2	190.0	194.6
Great Heart Seed	HT7890VT2P	183.7	192.0	203.5	200.3	186.1	187.2	192.1
Local Seed	LC1307TC	166.2	203.3	192.0	190.7	221.1	219.1	198.7
Local Seed	LC1497 DGV2P	165.9	188.0	192.2	193.5	198.2	174.3	185.4
Local Seed	LC1577 VT2P	175.6	201.9	213.9	195.4	223.7	188.8	199.9
Local Seed	LC1616 TC	169.9	221.7	161.2	180.0	212.6	204.4	191.7
Local Seed	LC1707 VT2P	177.2	219.3	167.2	200.0	211.9	193.9	194.9
Local Seed	LC1898 TC	167.4	199.3	186.8	196.2	240.9	199.4	198.3
Local Seed	LC1919 VT2P	166.1	197.0	182.2	179.4	206.9	188.6	186.7
Local Seed	LC1987 VT2P	181.6	200.3	207.8	204.9	207.4	200.8	200.5
Local Seed	LC1407 VT2P	156.0	200.3	207.3	195.0	207.4	197.3	193.9
Local Seed	LC1506 VT2P	167.1	202.1	205.5	201.1	215.7	218.1	201.6
LG Seeds	LG5643VT2RIB	189.5	230.3	241.0	222.6	217.6	211.3	218.7
LG Seeds	LG5650VT2RIB	159.3	191.8	217.4	196.1	196.6	195.3	192.7
LG Seeds	LG5701VT2RIB	185.6	212.3	237.8	195.4	187.7	199.4	203.0
LG Seeds	LG64C30TRCRIB	187.9	233.9	229.8	208.4	197.4	206.7	210.7
LG Seeds	LG66C44	167.9	193.0	197.8	210.4	185.8	200.5	192.6
MorCorn	MC 4311	171.6	216.4	184.7	191.0	222.4	209.5	199.2
MorCorn	MC 4670	170.6	193.4	210.2	194.3	216.5	185.4	195.1
MorCorn	MC 4725	168.0	228.4	229.0	215.9	216.4	207.1	210.8
Innvictus Seed	MEX1280DGV2P *	180.2	204.0	203.9	200.7	207.5	197.4	199.0
Innvictus Seed	MEX1580VT2P *	166.1	193.6	191.0	188.7	184.9	187.8	185.3
Innvictus Seed	MEX1671TRE *	177.0	194.0	201.2	188.5	195.9	182.7	189.9
Pioneer	P1077YHR	144.1	193.9	225.1	192.3	199.2	184.2	189.8
Pioneer	P1464VYHR	152.1	217.2	233.0	202.2	199.6	203.5	201.3
Progeny Ag	PGY 2118VT2P	169.3	218.2	191.3	196.1	207.3	191.7	195.6
Progeny Ag	PGY 8116SS	177.1	199.1	201.7	210.5	225.2	201.3	202.5
Progeny Ag	PGY 8116VT2P	187.8	205.3	203.2	212.5	203.6	184.1	199.4
Progeny Ag	PGY 9114VT2P	183.0	211.0	232.6	213.2	226.7	193.6	210.0
Progeny Ag	PGY 9117VT2P	164.6	225.7	239.2	213.1	227.5	193.5	210.6
Progeny Ag	PGY EXP115TRE *	183.1	225.4	233.6	222.5	224.8	228.6	219.7
Progeny Ag	PGY EXP116VT2P *	173.6	212.8	225.9	194.3	194.1	196.3	199.5
Progeny Ag	PGY 2015VT2P	180.6	194.6	175.3	206.3	206.2	190.5	192.2
Progeny Ag	PGY 2025DG	176.1	214.4	181.1	187.2	188.2	195.1	190.4
Mean		172.3	206.7	204.2	200.8	210.6	197.7	198.7
CV		10	6.4	10	8.5	8.9	8	
LSD (0.05)		25.9	18.56	41.6	23.9	26.4	25.76	
R ²		29	51	68	39	42	46	
Error DF		174	174	58	174	174	116	

¹Hybrid followed by an asterisk indicates an experimental entry.

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

Brand	Hybrid	Aberdeen hills (clay)	Brooksville hills (clay)	Olive Branch hills (loam)	Stoneville delta (loam)	Verona hills (loam)	Overall avg.
AgriGold	A645-16VT2PRO	190.3	198.9	226.0	211.1	187.0	202.7
AgriGold	A6544VT2RIB	202.4	217.2	211.0	212.3	187.7	206.1
AgriGold	A6659 VT2 RIB	196.5	216.4	224.9	230.7	195.3	212.7
Croplan	CP5370 VT2P	188.3	204.6	221.4	214.5	203.6	206.5
Croplan	CP5550VT2P	193.0	204.8	214.6	215.6	191.6	203.9
DeKalb	DKC65-99	192.2	199.5	221.1	202.3	200.3	203.1
DeKalb	DKC66-18	194.3	194.1	218.2	190.9	183.5	196.2
DeKalb	DKC67-44	196.3	208.2	219.9	210.3	198.7	206.6
DeKalb	DKC68-69	191.8	202.1	220.1	211.1	203.3	205.7
DeKalb	DKC69-99	205.4	208.0	226.6	209.4	194.5	208.8
DeKalb	DKC70-27	193.9	206.8	223.5	214.5	198.8	207.5
Dyna Gro	D57VC51	204.2	220.0	227.3	212.0	214.6	215.6
Dyna-Gro	D58VC65	194.2	198.2	201.0	201.6	192.2	197.5
Great Heart Seed	HT-7302VT2P	183.2	199.7	197.6	215.6	184.6	196.2
Great Heart Seed	HT-7337VT2P	189.7	189.0	211.4	209.9	190.3	198.1
Great Heart Seed	HT7890VT2P	181.4	192.2	205.9	170.5	188.9	187.8
LG Seeds	LG5643VT2RIB	199.9	215.4	240.3	216.5	194.1	213.3
LG Seeds	LG66C44	196.5	197.5	220.6	194.9	194.7	200.8
Local Seed	LC1407 VT2P	170.1	187.5	201.8	199.1	188.5	189.4
Local Seed	LC1497 DGV2P	199.3	195.8	216.5	201.7	186.1	199.9
Local Seed	LC1506 VT2P	192.8	203.5	218.3	210.4	200.6	205.1
Local Seed	LC1577 VT2P	196.3	200.0	218.0	217.1	191.3	204.5
Local Seed	LC1707 VT2P	183.2	215.1	217.4	207.4	197.6	204.1
Local Seed	LC1898 TC	193.9	201.3	196.4	229.4	190.6	202.3
Local Seed	LC1987 VT2P	203.8	204.0	214.3	201.4	193.9	203.5
MorCorn	MC 4670	189.1	194.3	205.7	209.3	187.1	197.1
MorCorn	MC 4725	176.7	217.6	219.7	202.9	201.9	203.7
Pioneer	P1077YHR	176.1	193.3	209.7	200.9	175.0	191.0
Pioneer	P1464VYHR	182.5	206.5	206.8	213.2	192.2	200.3
Progeny Ag	PGY 2015VT2P	188.0	188.3	217.9	187.7	175.2	191.4
Progeny Ag	PGY 2025DG	187.7	202.8	196.4	189.3	190.4	193.3
Progeny Ag	PGY 8116SS	205.8	208.9	208.5	207.8	200.9	206.4
Progeny Ag	PGY 9114VT2P	197.3	195.1	218.0	218.1	186.7	203.0
Progeny Ag	PGY 9117VT2P	187.8	204.4	214.1	206.7	188.1	200.2
Overall mean		191.9	202.7	215.0	207.2	192.6	201.9

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)	Verona hills (loam)	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AgriGold	A645-16VT2PRO	192.5	192.2	232.8	217.1	197.9	206.5
AgriGold	A6544VT2RIB	204.3	205.8	229.7	219.7	193.1	210.5
AgriGold	A6659 VT2 RIB	201.2	199.7	235.4	226.9	200.8	212.8
DeKalb	DKC66-18	195.5	187.5	233.5	204.3	190.7	202.3
DeKalb	DKC67-44	207.5	199.4	237.9	213.2	199.4	211.5
DeKalb	DKC68-69	201.4	191.8	234.5	219.6	201.8	209.8
DeKalb	DKC70-27	199.8	192.9	241.0	219.4	203.5	211.3
Dyna Gro	D57VC51	206.4	201.2	231.7	213.2	211.3	212.8
Dyna-Gro	D58VC65	188.2	185.4	205.6	205.0	194.7	195.8
Local Seed	LC1577 VT2P	197.6	193.9	221.3	218.4	190.4	204.3
Local Seed	LC1987 VT2P	205.9	190.5	218.3	207.2	197.4	203.8
MorCorn	MC 4725	186.8	204.8	228.9	211.9	208.3	208.1
Pioneer	P1464VYHR	189.0	188.8	226.5	222.7	198.5	205.1
Progeny Ag	PGY 8116SS	208.9	197.3	224.0	209.5	207.1	209.4
Progeny Ag	PGY 9114VT2P	205.4	190.7	231.8	224.0	198.5	210.1
Progeny Ag	PGY 9117VT2P	192.2	191.4	224.1	210.9	197.7	203.3
Overall mean		198.9	194.6	228.6	215.2	199.4	207.3

Table 5. 2021 corn hybrid yield summary for irrigated locations.

Brand	Hybrid ¹	Macon hills (clay)	Minter City delta (loam)	Rolling Fork delta (loam)	Stoneville delta (clay)	Stoneville delta (loam)	Overall average
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AgriGold	A645-16VT2PRO	239.8	247.9	244.5	238.4	236.8	241.5
AgriGold	A647-35-5222	194.8	202.3	216.5	244.3	215.2	214.6
AgriGold	A647-42TRC	246.8	245.1	241.5	260.1	230.9	244.9
AgriGold	A6544VT2RIB	220.4	265.6	257.2	244.2	244.0	246.3
AgriGold	A6659 VT2 RIB	237.7	244.8	262.6	208.5	240.1	238.7
Augusta Seed	A4467	221.1	173.2	220.7	234.4	229.7	215.8
Augusta Seed	A4565	239.9	226.5	230.1	240.3	203.0	227.9
Augusta Seed	A1367	229.2	207.9	260.4	245.6	224.5	233.5
Beck's Hybrids	6374V2P	243.9	229.4	242.3	250.9	235.5	240.4
Beck's Hybrids	6414V2P	223.0	235.4	226.2	253.0	255.2	238.5
Beck's Hybrids	6557V2P	253.9	227.4	243.6	262.7	219.3	241.4
Beck's Hybrids	6743AML	251.6	202.8	219.1	261.6	273.2	241.6
BH Genetics	BH 8820VT2P	225.4	221.1	239.7	235.4	245.6	233.5
BH Genetics	BH 8966VT2P	229.1	218.1	211.4	232.4	233.2	224.8
BH Genetics	BH 8721VT2P	266.3	234.0	263.9	255.9	239.7	252.0
Croplan	CP5370 VT2P	236.0	234.2	248.3	221.5	248.3	237.6
Croplan	CP5497VT2P	222.4	226.2	231.6	223.0	217.2	224.1
Croplan	CP5550VT2P	233.7	238.4	251.6	243.4	241.0	241.6
DeKalb	DKC62-89	244.3	197.3	244.4	254.8	238.7	235.9
DeKalb	DKC65-99	248.2	208.6	206.5	223.2	243.0	225.9
DeKalb	DKC66-18	226.6	210.6	259.6	261.8	230.4	237.8
DeKalb	DKC67-44	244.2	243.2	226.7	253.2	250.6	243.6
DeKalb	DKC67-94	228.4	204.3	236.7	245.5	260.5	235.1
DeKalb	DKC68-69	236.6	217.2	228.7	261.6	251.3	239.1
DeKalb	DKC69-99	239.1	205.4	257.9	213.8	227.2	228.7
DeKalb	DKC70-27	243.6	217.5	251.3	244.6	253.1	242.0
Dyna Gro	D54VC14	242.7	234.6	237.6	240.9	240.4	239.2
Dyna Gro	D57VC51	253.7	265.5	248.9	207.8	265.4	248.3
Dyna-Gro	D52VC63	237.2	215.6	224.5	219.4	225.0	224.3
Dyna-Gro	D54VC34	261.7	234.1	242.6	236.5	224.2	239.8
Dyna-Gro	D55VC80	242.6	237.2	256.2	242.0	225.0	240.6
Dyna-Gro	D58VC65	241.9	245.1	221.4	221.9	240.6	234.2
Gateway Seed	0916 Tre	241.1	237.0	217.1	251.4	232.0	235.7
Gateway Seed	1717 VT2Pro	224.8	228.8	197.1	245.6	243.0	227.8
Gateway Seed	9714 VT2Pro	223.0	237.2	253.3	227.9	231.0	234.5
Gateway Seed	X1719 VT2Pro	217.5	225.1	208.7	233.0	219.1	220.7
Great Heart Seed	HT7256 DGVT2P	230.6	244.5	250.4	252.0	241.0	243.7
Great Heart Seed	HT-7302VT2P	218.6	236.9	254.5	227.9	246.7	236.9

¹Hybrid followed by an asterisk indicates an experimental entry.

Table 5 (continued). 2021 corn hybrid yield summary for irrigated locations.

Brand	Hybrid ¹	Macon hills (clay)	Minter City delta (loam)	Rolling Fork delta (loam)	Stoneville delta (clay)	Stoneville delta (loam)	Overall average
Great Heart Seed	HT-7337VT2P	bu/A 232.9	bu/A 239.0	bu/A 246.7	bu/A 250.9	bu/A 225.1	bu/A 238.9
Great Heart Seed	HT-7425DGV2P	249.6	228.3	235.2	243.7	247.5	240.9
Great Heart Seed	HT7890VT2P	211.4	198.9	208.6	218.1	244.3	216.2
Innvictus Seed	MEX1280DGV2P *	237.7	217.5	249.2	245.3	238.2	237.6
Innvictus Seed	MEX1580VT2P *	218.6	228.0	251.8	234.9	243.1	235.3
Innvictus Seed	MEX1671TRE *	251.9	229.7	253.3	252.6	245.9	246.7
LG Seeds	LG5643VT2RIB	235.6	253.6	274.8	262.2	242.2	253.7
LG Seeds	LG5650VT2RIB	226.3	214.5	222.5	248.8	253.8	233.2
LG Seeds	LG5701VT2RIB	244.9	246.4	269.7	189.8	235.9	237.3
LG Seeds	LG66C44	245.7	222.0	227.2	261.3	239.7	239.2
LG Seeds	LG68C22VT2RIB	242.3	231.3	237.8	221.5	240.3	234.6
Local Seed	LC1577 VT2P	235.4	242.9	270.8	241.4	263.6	250.8
Local Seed	LC1616 TC	238.4	218.6	222.2	223.0	220.9	224.6
Local Seed	LC1919 VT2P	222.9	226.1	207.2	224.9	226.7	221.5
Local Seed	LC1987 VT2P	236.1	252.8	254.7	245.9	215.3	241.0
Local Seed	LC1307TC	234.6	231.1	241.7	240.3	242.6	238.0
Local Seed	LC1497 DGV2P	243.4	222.5	243.1	228.0	240.5	235.5
Local Seed	LC1707 VT2P	219.0	236.3	226.2	236.9	215.6	226.8
Local Seed	LC1898 TC	228.2	232.8	183.6	240.4	245.2	226.0
Local Seed	LC1407 VT2P	240.8	253.2	253.9	236.0	240.7	244.9
Local Seed	LC1506 VT2P	218.3	235.9	248.2	238.6	223.6	232.9
MorCorn	MC 4311	237.6	237.1	262.0	251.9	229.3	243.6
MorCorn	MC 4670	229.2	193.4	216.2	230.4	260.2	225.9
MorCorn	MC 4725	258.8	271.9	260.0	258.3	224.0	254.6
Pioneer	P1870VHR	226.9	257.7	234.6	226.9	269.4	243.1
Pioneer	P2042VYHR	232.8	243.1	222.3	249.8	256.2	240.8
Progeny Ag	PGY 8116VT2P	228.0	227.2	219.9	231.4	237.0	228.7
Progeny Ag	PGY EXP115TRE *	258.8	237.9	238.2	231.1	257.1	244.6
Progeny Ag	PGY EXP116VT2P *	232.9	235.4	225.5	235.0	224.7	230.7
Progeny Ag	PGY 2012VT2P	220.1	188.2	242.9	233.0	236.9	224.2
Progeny Ag	PGY 2118VT2P	225.7	190.5	208.7	222.3	227.6	214.9
Progeny Ag	PGY 8116SS	233.4	228.7	237.8	243.1	247.8	238.2
Progeny Ag	PGY 9117VT2P	250.1	250.0	252.3	254.2	253.7	252.0
Progeny Ag	PGY 2015VT2P	216.3	227.3	259.2	238.8	212.8	230.9
Progeny Ag	PGY 2025DG	238.3	220.3	273.0	229.7	234.7	239.2
Mean		235.1	228.7	238.6	238.9	238.1	235.9
CV		8.5	8.2	11.8	8.0	7.8	
LSD (0.05)		28.0	37.5	39.4	26.5	26.0	
R ²		34.0	66.0	37.0	44.0	43.0	
Error DF		219.0	73.0	219.0	219.0	219.0	

¹Hybrid followed by an asterisk indicates an experimental entry.

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

Brand	Hybrid	Macon hills (clay)	Minter City delta (loam)	Stoneville delta (clay)	Stoneville delta (loam)	Overall average
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AgriGold	A645-16VT2PRO	227.2	239.1	239.9	224.9	232.8
AgriGold	A6544VT2RIB	229.8	250.1	240.7	234.7	238.8
AgriGold	A6659VT2RIB	235.7	245.2	224.4	224.2	232.4
Augusta Seed	A4565	231.1	216.4	243.0	215.9	226.6
Augusta Seed	A1367	234.2	213.7	256.4	226.0	232.6
BH Genetics	BH 8820VT2P	216.5	215.0	237.9	228.5	224.5
BH Genetics	BH 8721VT2P	253.2	230.9	247.6	234.6	241.6
Croplan	CP5370 VT2P	225.4	221.8	226.7	239.2	228.3
Croplan	CP5550VT2P	224.3	239.0	243.6	228.4	233.8
DeKalb	DKC65-99	237.8	223.1	233.3	230.2	231.1
DeKalb	DKC66-18	216.1	211.2	246.9	211.4	221.4
DeKalb	DKC67-44	243.1	234.0	248.2	242.4	241.9
DeKalb	DKC68-69	239.5	224.2	249.1	237.3	237.5
DeKalb	DKC69-99	243.8	217.1	237.5	229.8	232.0
DeKalb	DKC70-27	241.4	228.9	256.1	241.7	242.0
Dyna Gro	D57VC51	245.7	248.0	232.9	246.1	243.2
Dyna-Gro	D55VC80	230.4	236.5	234.8	216.4	229.5
Dyna-Gro	D58VC65	231.8	238.4	227.8	220.3	229.6
Great Heart Seed	HT7256 DGV2P	221.5	244.2	247.8	226.6	235.0
Great Heart Seed	HT-7302VT2P	223.4	233.6	241.5	229.2	231.9
Great Heart Seed	HT-7337VT2P	235.6	235.8	246.0	220.9	234.6
Great Heart Seed	HT-7425DGV2P	242.6	232.4	245.8	237.8	239.7
Great Heart Seed	HT7890VT2P	206.7	211.7	230.0	211.2	214.9
LG Seeds	LG5643VT2RIB	242.0	240.6	259.1	230.3	243.0
LG Seeds	LG66C44	242.2	229.1	251.1	227.7	237.5
LG Seeds	LG68C22VT2RIB	235.7	221.8	222.2	218.6	224.6
Local Seed	LC1577 VT2P	244.5	232.1	246.1	242.2	241.2
Local Seed	LC1987 VT2P	232.0	241.8	238.3	213.4	231.4
Local Seed	LC1307TC	241.2	223.3	247.5	229.4	235.4
Local Seed	LC1497 DGV2P	233.9	226.0	236.3	228.3	231.1
Local Seed	LC1707 VT2P	226.6	228.8	241.8	204.1	225.3
Local Seed	LC1898 TC	225.0	226.2	237.0	227.8	229.0
Local Seed	LC1407 VT2P	232.9	236.3	235.2	221.6	231.5
Local Seed	LC1506 VT2P	215.2	231.3	244.8	209.8	225.3
MorCorn	MC 4670	231.8	197.1	232.7	234.7	224.1
MorCorn	MC 4725	248.7	244.5	250.7	221.6	241.4
Pioneer	P1870VHR	225.5	247.3	245.1	251.9	242.5
Progeny Ag	PGY 2012VT2P	215.0	197.5	240.1	210.6	215.8
Progeny Ag	PGY 2118VT2P	235.1	215.1	237.9	206.4	223.6
Progeny Ag	PGY 8116SS	235.7	231.1	243.6	235.9	236.6
Progeny Ag	PGY 9117VT2P	248.4	246.1	259.1	227.4	245.2
Progeny Ag	PGY 2015VT2P	212.4	221.6	234.9	196.6	216.4
Progeny Ag	PGY 2025DG	233.3	228.6	240.6	218.0	230.1
Overall mean		232.4	229.2	241.4	225.9	232.2

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

Brand	Hybrid	Macon hills (clay)	Minter City delta (loam)	Stoneville delta (clay)	Stoneville delta (loam)	Overall average
AgriGold	A645-16VT2PRO	<i>bu/A</i> 237.0	<i>bu/A</i> 238.7	<i>bu/A</i> 213.8	<i>bu/A</i> 227.7	<i>bu/A</i> 229.3
AgriGold	A6544VT2RIB	240.2	242.3	222.1	232.9	234.3
AgriGold	A6659VT2RIB	243.8	239.0	220.1	228.5	232.9
Augusta Seed	A4565	239.2	215.1	226.0	219.4	224.9
Augusta Seed	A1367	244.7	211.0	239.6	224.0	229.8
BH Genetics	BH 8721VT2P	256.0	224.2	229.9	238.4	237.1
DeKalb	DKC66-18	228.5	217.7	220.6	223.1	222.5
DeKalb	DKC67-44	249.7	227.3	229.0	227.7	233.4
DeKalb	DKC68-69	251.2	222.9	229.6	234.3	234.5
DeKalb	DKC70-27	245.8	230.3	228.4	245.2	237.4
Dyna Gro	D57VC51	254.8	244.5	221.5	241.4	240.6
Dyna-Gro	D55VC80	241.1	234.7	218.0	216.9	227.7
Dyna-Gro	D58VC65	243.9	236.0	213.4	231.3	231.1
Great Heart Seed	HT-7302VT2P	234.5	232.0	218.1	228.3	228.2
Great Heart Seed	HT-7425DGV2P	242.3	226.2	222.8	231.2	230.6
LG Seeds	LG5643VT2RIB	250.6	233.8	228.7	234.7	236.9
LG Seeds	LG68C22VT2RIB	248.4	223.3	202.2	219.0	223.2
Local Seed	LC1577 VT2P	250.0	229.0	219.7	246.6	236.3
Local Seed	LC1987 VT2P	239.3	232.0	219.7	211.9	225.7
MorCorn	MC 4725	257.0	232.0	228.0	230.4	236.9
Pioneer	P1870YHR	240.2	237.1	226.9	262.1	241.6
Progeny Ag	PGY 8116SS	247.7	214.9	220.0	230.5	228.3
Progeny Ag	PGY 9117VT2P	251.4	232.4	225.3	231.2	235.1

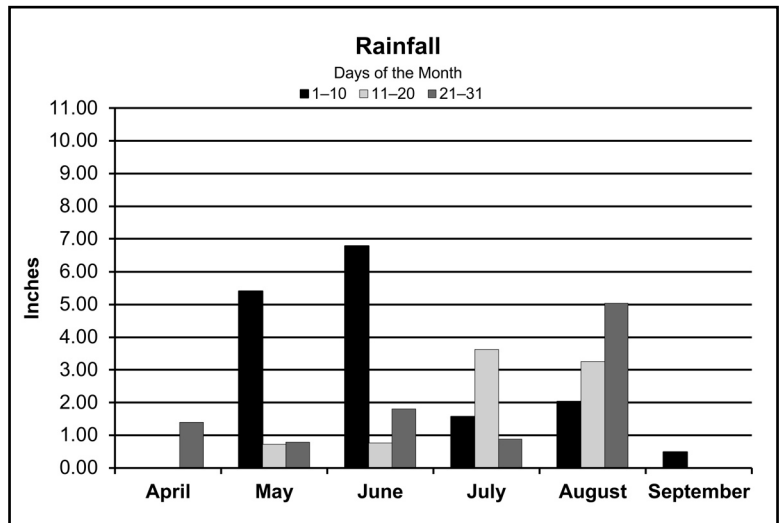
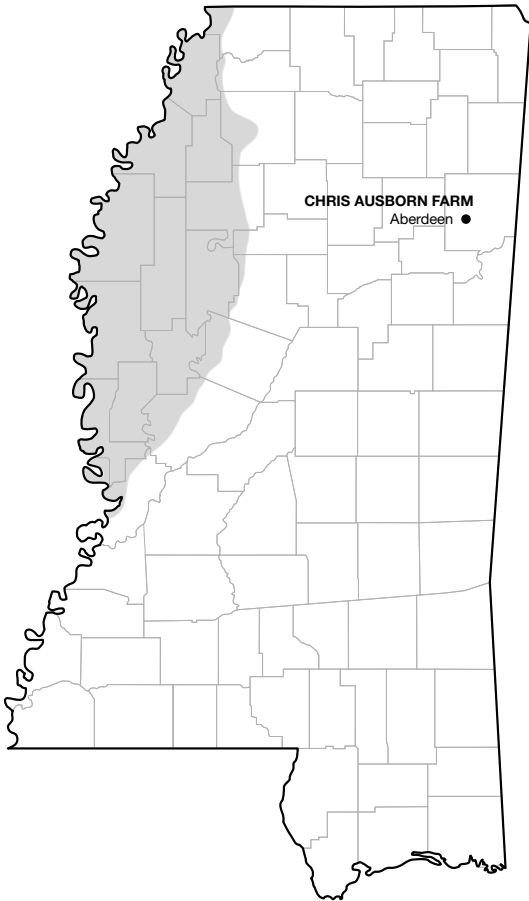
CHRIS AUSBORN FARM, ABERDEEN

Crop Summary

The corn plots were planted in mid-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 respectable yields at this dryland location. Harvest was completed in a timely manner without difficulties.

Soil typeHouston clay
 Soil pH6.5
 Soil fertilityP=M, K=M
 FertilizerPreplant – 0-20-20 @ 300 lb/A
 At planting – 10-20-1S-0.43Zn @ 15 gal/A (applied 2x2) on April 19
 Sidedress – 28-0-0-5 @ 200 units on May 27
 HerbicideBurndown – Roundup @ 1 qt/A and 2,4-D @ 1.5 pt/A on March 2
 Preemergence – Gramoxone @ 1 qt/A and Corvus @ 5 oz/A on April 19
 Postemergence – Atrazine @ 1 qt/A and Halex GT @ 2 qt/A
 Previous crop ..Soybeans
 Planting date ...April 19
 Harvest date ...September 10



Rainfall Summary

	Inches
April	1.39
May	6.92
June	9.34
July	6.08
August	10.33
September	0.48
Total	34.54

Table 8. Results from 58 corn hybrids grown without irrigation on a Houston clay soil near Aberdeen, Monroe County, 2021.

Brand name	Hybrid¹	2021 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>
Dyna Gro	D57VC51	195.3	204.2	206.4	34	18.6	7.0	29
Dyna-Gro	D58VC65	190.1	194.2	188.2	37	18.3	8.2	29
LG Seeds	LG5643VT2RIB	189.5	199.9	—	42	17.5	8.1	34
Croplan	CP5550VT2P	189.1	193.0	—	44	17.0	8.6	30
LG Seeds	LG64C30TRCRIB	187.9	—	—	37	17.1	7.8	32
Progeny Ag	PGY 8116VT2P	187.8	—	—	36	17.4	7.9	34
AgriGold	A6544VT2RIB	185.7	202.4	204.3	41	17.3	8.9	35
LG Seeds	LG5701VT2RIB	185.6	—	—	35	18.6	7.5	34
Great Heart Seed	HT7890VT2P	183.7	181.4	—	37	19.5	8.1	35
Progeny Ag	PGY EXP115TRE *	183.1	—	—	39	17.1	7.6	31
Progeny Ag	PGY 9114VT2P	183.0	197.3	205.4	39	17.4	7.7	35
Local Seed	LC1987 VT2P	181.6	203.8	205.9	37	16.7	8.6	31
Progeny Ag	PGY 2015VT2P	180.6	188.0	—	38	16.9	8.6	35
Innivictus Seed	MEX1280DGV2P *	180.2	—	—	41	16.9	8.2	29
Croplan	CP5370 VT2P	180.1	188.3	—	42	16.8	8.1	32
Dyna-Gro	D58VC22	179.3	—	—	42	17.8	9.1	34
Local Seed	LC1707 VT2P	177.2	183.2	—	39	18.8	7.8	31
Progeny Ag	PGY 8116SS	177.1	205.8	208.9	42	17.7	7.6	35
Innivictus Seed	MEX1671TRE *	177.0	—	—	34	17.3	8.1	32
Progeny Ag	PGY 2025DG	176.1	187.7	—	36	17.2	7.6	28
AgriGold	A647-42TRC	176.0	—	—	35	16.8	7.7	26
Local Seed	LC1577 VT2P	175.6	196.3	197.6	38	17.6	8.2	29
DeKalb	DKC66-18	175.4	194.3	195.5	36	17.2	9.0	34
Dyna-Gro	D55VC80	175.1	—	—	37	17.3	8.1	28
Progeny Ag	PGY EXP116VT2P *	173.6	—	—	39	19.1	8.3	36
DeKalb	DKC67-44	173.3	196.3	207.5	35	17.5	7.6	32
DeKalb	DKC69-99	172.3	205.4	—	38	17.8	7.8	32
AgriGold	A645-16VT2PRO	172.3	190.3	192.5	39	17.5	8.0	33
MorCorn	MC 4311	171.6	—	—	37	16.4	7.3	29
Dyna-Gro	D54VC34	170.7	—	—	36	17.4	7.5	32
MorCorn	MC 4670	170.6	189.1	—	31	17.1	7.4	35
Local Seed	LC1616 TC	169.9	—	—	38	17.4	7.1	31
DeKalb	DKC67-94	169.7	—	—	37	17.9	8.4	34
Progeny Ag	PGY 2118VT2P	169.3	—	—	38	19.3	8.1	35
AgriGold	A6659 VT2 RIB	169.0	196.5	201.2	40	18.3	7.6	34
Dyna-Gro	D52VC63	168.0	—	—	34	17.0	8.0	35
MorCorn	MC 4725	168.0	176.7	186.8	30	18.9	7.9	35
LG Seeds	LG66C44	167.9	196.5	—	40	17.9	8.8	35
Great Heart Seed	HT-7337VT2P	167.4	189.7	—	37	17.5	7.8	34
Local Seed	LC1898 TC	167.4	193.9	—	40	16.8	8.2	29
DeKalb	DKC65-99	167.2	192.2	—	34	17.3	7.6	31
Local Seed	LC1506 VT2P	167.1	192.8	—	40	17.2	8.9	34
Local Seed	LC1307TC	166.2	—	—	40	16.4	8.4	29
Local Seed	LC1919 VT2P	166.1	—	—	38	19.8	8.2	34
Dyna Gro	D54VC14	166.1	—	—	36	17.7	8.0	30
Innivictus Seed	MEX1580VT2P *	166.1	—	—	38	17.1	8.1	29
Local Seed	LC1497 DGV2P	165.9	199.3	—	37	17.0	7.9	29
DeKalb	DKC62-89	165.9	—	—	36	16.9	8.1	29
DeKalb	DKC70-27	165.3	193.9	199.8	32	18.7	8.0	36
Progeny Ag	PGY 9117VT2P	164.6	187.8	192.2	40	18.2	8.3	33
Great Heart Seed	HT-7302VT2P	162.8	183.2	—	36	17.8	8.2	33
DeKalb	DKC68-69	161.2	191.8	201.4	40	19.1	8.8	34
LG Seeds	LG5650VT2RIB	159.3	—	—	32	17.2	7.5	36
Local Seed	LC1407 VT2P	156.0	170.1	—	34	17.1	7.9	36
AgriGold	A645-80-3110	153.0	—	—	32	16.7	7.4	35
Pioneer	P1464VYHR	152.1	182.5	189.0	32	17.5	7.6	29
Croplan	CP5497VT2P	150.1	—	—	40	17.4	7.9	35
Pioneer	P1077YHR	144.1	176.1	—	35	17.1	7.3	30
Mean		172.3						
CV		10						
LSD (0.05)		25.9						
R ²		29						
Error DF		174						

¹Hybrid followed by an asterisk indicates an experimental entry.

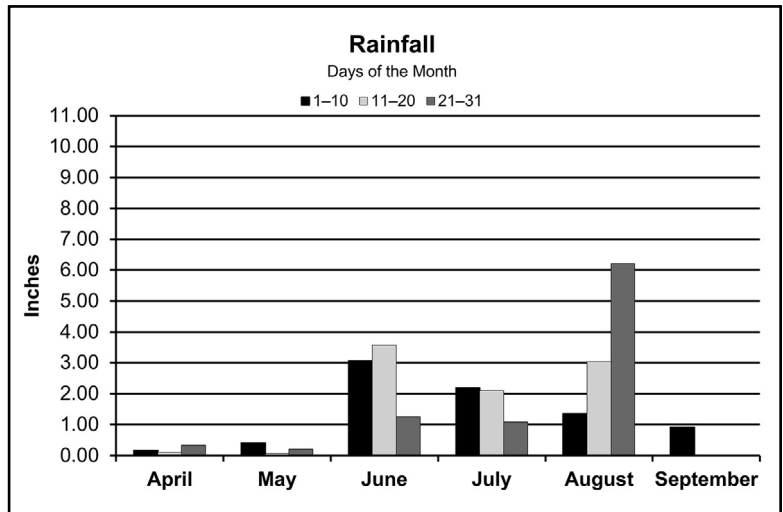
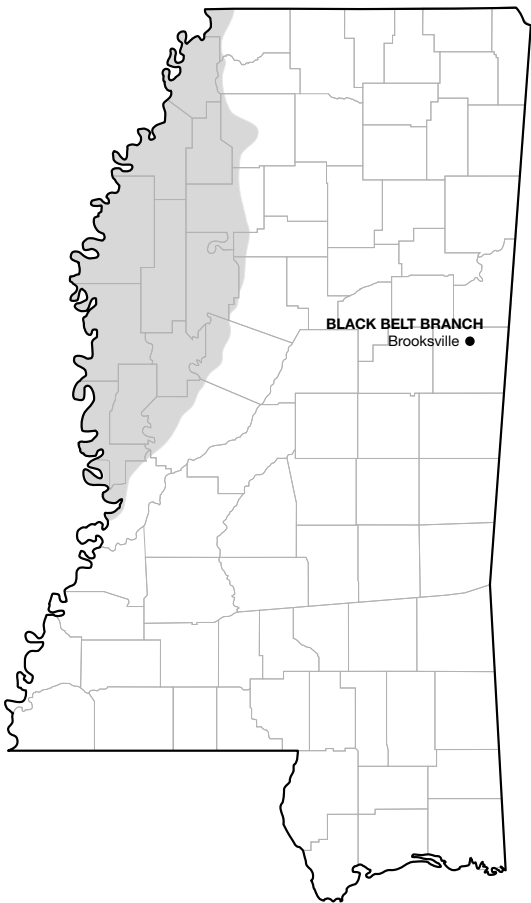
MAFES BLACK BELT BRANCH, BROOKSVILLE

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 typeBrooksville silty clay
- Soil pH6.2
- Soil fertilityP=M, K=M
- FertilizerPreplant — 0-26-26 @ 200 lb/A
 - At planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on April 6
 - Topdress — N @ 33 lb/A (33-0-0-12S) on April 23 and N @ 180 lb/A (33-0-0-12S) on May 25
- HerbicidePreemergence — Gramoxone @ 1 qt/A and Corvus @ 5 oz/A on April 6
 - Postemergence — Roundup PowerMax @ 32 oz/A and Acuron @ 2 qt/A on May 25
- Previous crop ...Wheat
- Planting date ...April 6
- Harvest date ...September 8



Rainfall Summary

	Inches
April .....	.060
May .....	.049
June .....	.790
July .....	.537
August .....	.1061
September .....	.091
Total .....	.2588

Table 9. Results from 58 corn hybrids grown without irrigation on a Brooksville silty clay soil at the MAFES Black Belt Branch, Brooksville, 2021.

Brand name	Hybrid¹	2021 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>
LG Seeds	LG64C30TRCRIB	233.9	—	—	33	20.6	7.8	31
LG Seeds	LG5643VT2RIB	230.3	215.4	—	37	20.7	7.7	35
Dyna Gro	D57VC51	229.9	220.0	201.2	31	21.2	7.8	32
AgriGold	A645-80-3110	229.6	—	—	33	20.8	7.7	34
MorCorn	MC 4725	228.4	217.6	204.8	33	22.1	7.4	36
Progeny Ag	PGY 9117VT2P	225.7	204.4	191.4	32	21.7	7.2	30
Progeny Ag	PGY EXP115TRE *	225.4	—	—	35	21.2	7.4	30
Local Seed	LC1616 TC	221.7	—	—	32	21.3	7.9	26
Croplan	CP5550VT2P	221.5	204.8	—	33	20.8	7.6	30
Local Seed	LC1707 VT2P	219.3	215.1	—	41	23.4	7.8	30
Progeny Ag	PGY 2118VT2P	218.2	—	—	36	22.7	7.4	34
AgriGold	A6544VT2RIB	218.0	217.2	205.8	35	20.9	7.5	35
Pioneer	P1464VYHR	217.2	206.5	188.8	33	19.9	7.2	28
MorCorn	MC 4311	216.4	—	—	35	20.2	7.1	28
AgriGold	A6659 VT2 RIB	216.1	216.4	199.7	33	21.6	7.8	33
Progeny Ag	PGY 2025DG	214.4	202.8	—	33	20.9	8.1	29
DeKalb	DKC67-44	212.8	208.2	199.4	32	21.3	7.7	28
Progeny Ag	PGY EXP116VT2P *	212.8	—	—	33	21.8	7.3	34
LG Seeds	LG5701VT2RIB	212.3	—	—	36	21.5	7.8	30
Progeny Ag	PGY 9114VT2P	211.0	195.1	190.7	31	20.9	7.6	35
Dyna Gro	D54VC14	210.0	—	—	28	21.4	7.1	30
Croplan	CP5370 VT2P	208.8	204.6	—	33	21.0	8.0	28
DeKalb	DKC69-99	208.7	208.0	—	33	21.8	7.2	28
AgriGold	A645-16VT2PRO	207.9	198.9	192.2	37	22.0	7.5	35
Great Heart Seed	HT-7302VT2P	207.7	199.7	—	37	20.6	7.6	32
Dyna-Gro	D58VC65	205.4	198.2	185.4	32	21.0	7.9	28
Progeny Ag	PGY 8116VT2P	205.3	—	—	44	21.6	8.3	33
AgriGold	A647-42TRC	204.6	—	—	25	21.0	7.4	29
Innvictus Seed	MEX1280DGV2P *	204.0	—	—	33	20.4	7.3	28
Local Seed	LC1307TC	203.3	—	—	37	19.8	8.2	29
DeKalb	DKC65-99	202.9	199.5	—	32	21.3	8.2	28
Dyna-Gro	D55VC80	202.7	—	—	35	20.7	8.1	29
Dyna-Gro	D54VC34	202.4	—	—	34	21.1	7.1	32
Local Seed	LC1506 VT2P	202.1	203.5	—	40	20.6	8.2	35
Local Seed	LC1577 VT2P	201.9	200.0	193.9	34	20.2	7.2	27
Local Seed	LC1987 VT2P	200.3	204.0	190.5	35	20.4	7.7	29
Local Seed	LC1407 VT2P	200.3	187.5	—	35	19.8	7.2	36
DeKalb	DKC70-27	199.9	206.8	192.9	31	22.1	8.1	37
Local Seed	LC1898 TC	199.3	201.3	—	29	21.5	8.1	30
Progeny Ag	PGY 8116SS	199.1	208.9	197.3	32	21.2	7.3	32
Dyna-Gro	D58VC22	198.8	—	—	28	21.5	8.2	34
Great Heart Seed	HT-7337VT2P	198.7	189.0	—	34	20.4	7.0	32
Croplan	CP5497VT2P	197.5	—	—	34	22.2	7.9	36
DeKalb	DKC68-69	197.4	202.1	191.8	37	22.2	7.9	32
Local Seed	LC1919 VT2P	197.0	—	—	28	21.9	7.8	29
DeKalb	DKC66-18	196.5	194.1	187.5	34	20.7	7.6	35
Progeny Ag	PGY 2015VT2P	194.6	188.3	—	36	20.5	7.8	35
Innvictus Seed	MEX1671TRE *	194.0	—	—	33	20.8	7.3	31
DeKalb	DKC62-89	194.0	—	—	39	20.6	7.9	29
Pioneer	P1077YHR	193.9	193.3	—	32	20.5	7.8	29
Innvictus Seed	MEX1580VT2P *	193.6	—	—	33	19.6	7.8	30
MorCorn	MC 4670	193.4	194.3	—	34	21.1	7.2	35
Dyna-Gro	D52VC63	193.3	—	—	33	20.8	7.3	35
LG Seeds	LG66C44	193.0	197.5	—	40	21.7	7.4	33
Great Heart Seed	HT7890VT2P	192.0	192.2	—	39	23.2	7.3	31
LG Seeds	LG5650VT2RIB	191.8	—	—	35	20.6	8.1	36
DeKalb	DKC67-94	191.6	—	—	32	21.6	7.9	35
Local Seed	LC1497 DGV2P	188.0	195.8	—	30	20.5	7.1	28
Mean		206.7						
CV		6.4						
LSD (0.05)		18.56						
R ²		51						
Error DF		174						

¹Hybrid followed by an asterisk indicates an experimental entry.

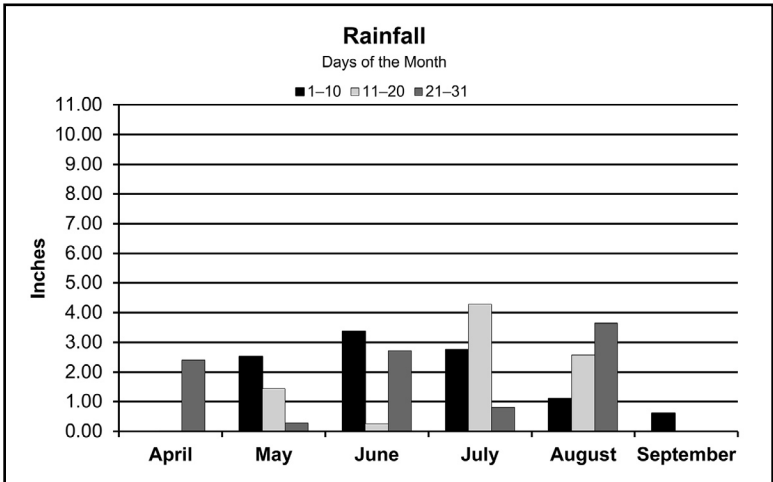
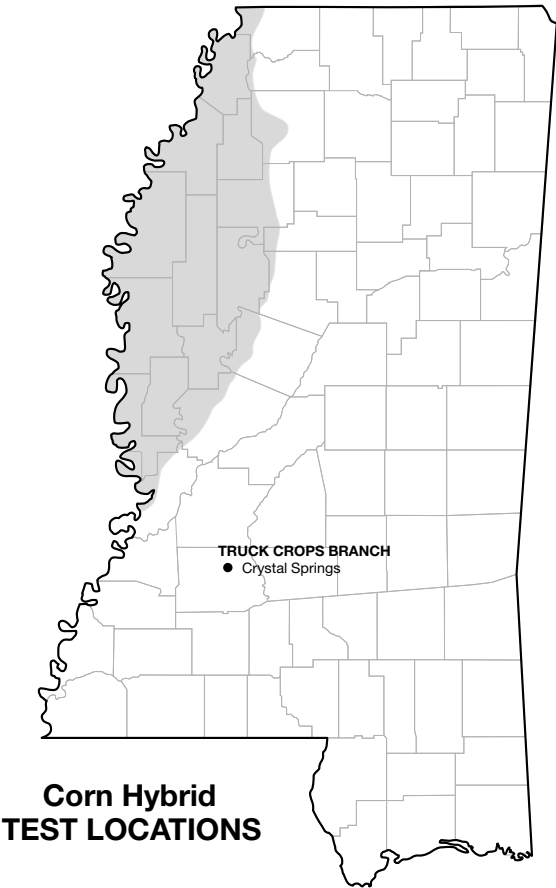
TRUCK CROPS BRANCH, CRYSTAL SPRINGS

Crop Summary

The corn plots were planted flat into a seedbed that just been disked and harrowed. There was good soil moisture at planting for germination and all plots quickly emerged to a stand. Timely rainfall during cru-

cial points of the growing season allowed for good dry-land yields at this location. Harvest was delayed due to late-season rains but was still completed within a timely manner.

Soil type Providence silt loam
Soil pH 6.3
Soil fertility P=M, K=M
Fertilizer Preplant — 13-13-13 @ 200 lb/A
At planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on April 6
Topdress — N @ 180 lb/A (33-0-0-12S) on May 28
Herbicide Preemergence — Gramoxone @ 1 qt/A and Corvus @ 5 oz/A on April 6
Postemergence — Halex GT @ 2 qt/A and Atrazine @ 1 qt/A on May 28
Previous crop . . . Grass/Fallow
Planting date . . . April 6
Harvest date . . . September 8



Rainfall Summary

	Inches
April	.244
May	.049
June	.633
July	.786
August	.732
September	.061
Total	.2505

Table 10. Results from 58 corn hybrids grown without irrigation on a Providence silt loam soil at the MAFES Truck Crops Branch, Crystal Springs, 2021.

Brand name	Hybrid¹	2021 yield	2-year average²	3-year average²	Ear height	Moisture content	Plant height	Harvested population
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>
AgriGold	A647-42TRC	250.3	—	—	20	25.1	6.5	29
LG Seeds	LG5643VT2RIB	241.0	—	—	28	28.7	7.2	29
Progeny Ag	PGY 9117VT2P	239.2	—	—	29	25.4	7.3	22
LG Seeds	LG5701VT2RIB	237.8	—	—	25	24.1	7.2	31
Progeny Ag	PGY EXP115TRE *	233.6	—	—	33	28.6	7.8	22
Pioneer	P1464VYHR	233.0	—	—	27	22.1	7.4	34
Progeny Ag	PGY 9114VT2P	232.6	—	—	30	25.5	7.9	32
LG Seeds	LG64C30TRCRIB	229.8	—	—	27	26.8	6.6	33
MorCorn	MC 4725	229.0	—	—	30	26.3	7.9	26
Progeny Ag	PGY EXP116VT2P *	225.9	—	—	31	27.4	7.0	35
Dyna-Gro	D54VC34	225.5	—	—	33	25.0	7.4	22
Great Heart Seed	HT-7302VT2P	225.3	—	—	24	23.5	7.2	34
Pioneer	P1077YHR	225.1	—	—	28	22.1	7.0	21
Dyna Gro	D57VC51	223.0	—	—	21	25.4	6.7	27
AgriGold	A6544VT2RIB	221.8	—	—	26	24.7	7.3	32
Croplan	CP5497VT2P	220.4	—	—	28	25.7	7.8	35
Dyna-Gro	D55VC80	219.9	—	—	31	26.2	8.2	34
DeKalb	DKC62-89	218.6	—	—	30	22.6	7.5	28
LG Seeds	LG5650VT2RIB	217.4	—	—	25	24.3	6.4	28
Great Heart Seed	HT-7337VT2P	215.0	—	—	32	23.9	8.0	29
Local Seed	LC1577 VT2P	213.9	—	—	32	23.1	7.7	20
AgriGold	A6659 VT2 RIB	211.1	—	—	24	25.6	7.1	29
MorCorn	MC 4670	210.2	—	—	33	23.2	7.5	21
Dyna Gro	D54VC14	210.0	—	—	28	24.9	7.5	26
AgriGold	A645-16VT2PRO	209.0	—	—	24	25.1	7.0	26
Local Seed	LC1987 VT2P	207.8	—	—	34	24.1	8.1	35
Local Seed	LC1407 VT2P	207.3	—	—	29	24.2	6.9	23
Local Seed	LC1506 VT2P	205.5	—	—	29	25.6	6.9	27
Dyna-Gro	D52VC63	205.3	—	—	32	25.2	8.0	28
Innvictus Seed	MEX1280DGV2P *	203.9	—	—	30	23.7	7.0	35
Great Heart Seed	HT7890VT2P	203.5	—	—	29	29.0	7.4	26
Progeny Ag	PGY 8116VT2P	203.2	—	—	30	26.7	7.7	32
Dyna-Gro	D58VC22	202.1	—	—	27	24.8	7.2	26
Progeny Ag	PGY 8116SS	201.7	—	—	34	29.0	8.3	32
Innvictus Seed	MEX1671TRE *	201.2	—	—	23	25.8	6.6	34
LG Seeds	LG66C44	197.8	—	—	29	26.3	8.1	30
DeKalb	DKC66-18	195.5	—	—	30	25.2	7.1	27
Local Seed	LC1497 DGV2P	192.2	—	—	24	25.3	7.1	32
Local Seed	LC1307TC	192.0	—	—	33	23.5	7.2	32
Progeny Ag	PGY 2118VT2P	191.3	—	—	21	29.1	6.8	32
Innvictus Seed	MEX1580VT2P *	191.0	—	—	30	22.8	7.2	32
Croplan	CP5550VT2P	188.6	—	—	28	26.7	6.9	30
DeKalb	DKC70-27	188.4	—	—	33	32.4	7.1	28
Local Seed	LC1898 TC	186.8	—	—	22	24.8	7.1	37
Dyna-Gro	D58VC65	185.3	—	—	22	25.9	7.0	20
MorCorn	MC 4311	184.7	—	—	27	23.5	7.5	28
Local Seed	LC1919 VT2P	182.2	—	—	27	24.8	6.5	27
DeKalb	DKC67-94	181.2	—	—	32	25.8	7.8	26
Progeny Ag	PGY 2025DG	181.1	—	—	26	23.8	6.9	32
DeKalb	DKC68-69	180.6	—	—	24	29.6	6.5	29
AgriGold	A645-80-3110	177.1	—	—	31	25.6	7.7	27
Progeny Ag	PGY 2015VT2P	175.3	—	—	25	27.1	6.6	34
DeKalb	DKC65-99	174.6	—	—	36	25.1	7.7	32
Croplan	CP5370 VT2P	174.2	—	—	28	27.7	7.5	28
DeKalb	DKC67-44	171.1	—	—	30	30.1	7.6	32
Local Seed	LC1707 VT2P	167.2	—	—	27	26.2	7.5	26
DeKalb	DKC69-99	165.5	—	—	26	30.2	6.4	16
Local Seed	LC1616 TC	161.2	—	—	36	25.2	7.8	30
Mean		204.2						
CV		10						
LSD (0.05)		41.6						
R ²		68						
Error DF		58						

¹Hybrid followed by an asterisk indicates an experimental entry.

²No 2 or 3-year average.

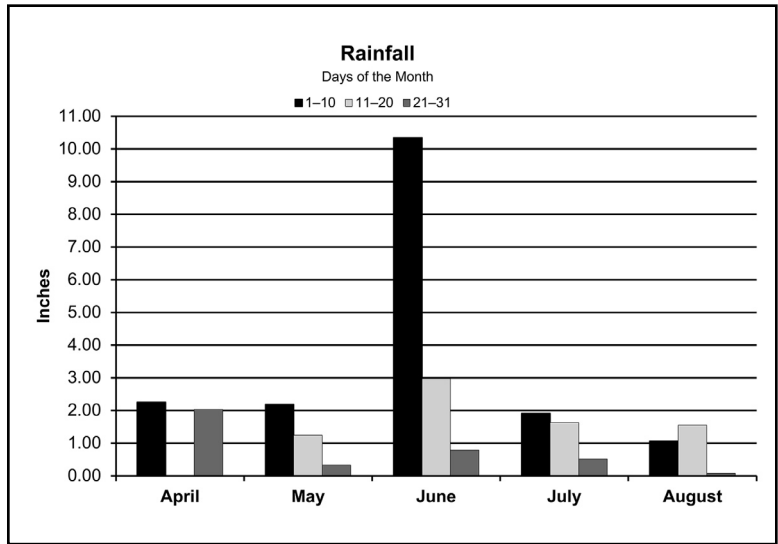
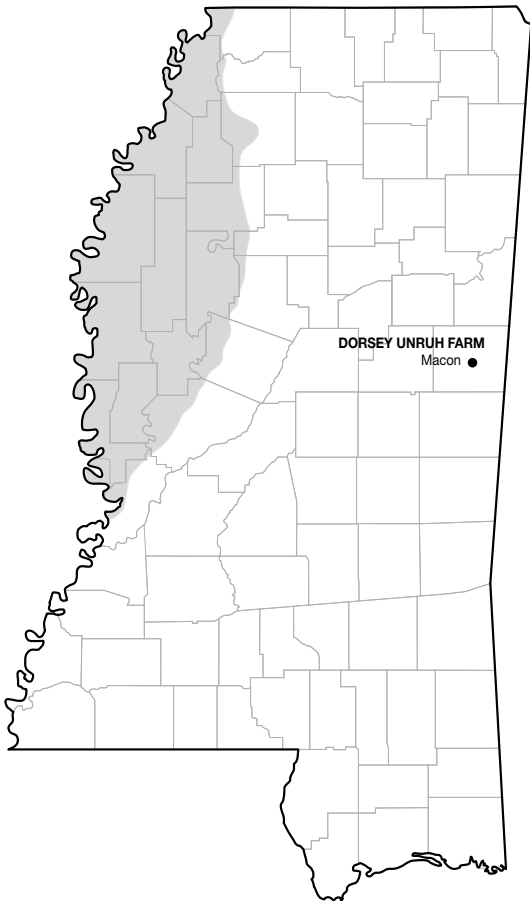
DORSEY UNRUH FARM, MACON

Crop Summary

The plots were planted into a stale seedbed that was prepared the previous fall. A harrow was drug over the tops of rows immediately prior to 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 typeBrooksville and Vaiden silty clay
 Soil pH6.5
 Soil fertilityP=H, K=H
 FertilizerPreplant — poultry litter @ 2 tons/A
 At planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on April 7
 Sidedress — N @ 196 lb/A (30-0-0-2S)
 HerbicidePreemergence — Gramoxone @ 1 qt/A and Corvus @ 5 oz/A on April 7
 Postemergence — Atrazine @ 32 oz/A and Halex GT @ 3.6 pt/A
 IrrigationCenter pivot irrigation as needed
 Previous crop ...Cotton
 Planting date ...April 7
 Harvest date ...August 28



Rainfall Summary

	Inches
April	4.28
May	3.75
June	14.12
July	4.06
August	2.69
Total	28.90

Table 11. Results from 73 corn hybrids grown with center-pivot irrigation on a Brooksville and Vaiden silty clay soil near Macon, Noxubee County, 2021.

Brand name	Hybrid ¹	2021 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population	Stalk lodging
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>	<i>%</i>
BH Genetics	BH 8721VT2P	266.3	253.2	256.0	33	22.8	8.7	32	—
Dyna-Gro	D54VC34	261.7	—	—	37	22.7	8.5	30	—
MorCorn	MC 4725	258.8	248.7	257.0	26	23.0	8.9	35	—
Progeny Ag	PGY EXP115TRE *	258.8	—	—	35	22.2	8.5	34	—
Beck's Hybrids	6557V2P	253.9	—	—	37	22.3	9.0	36	—
Dyna Gro	D57VC51	253.7	245.7	254.8	41	22.1	8.7	38	1.5
Innvictus Seed	MEX1671TRE *	251.9	—	—	42	23.6	9.1	35	—
Beck's Hybrids	6743AML	251.6	—	—	42	23.7	9.2	36	—
Progeny Ag	PGY 9117VT2P	250.1	248.4	251.4	40	23.5	9.0	37	—
Great Heart Seed	HT-7425DGV2P	249.6	242.6	242.3	44	21.7	9.9	36	—
DeKalb	DKC65-99	248.2	237.8	—	40	22.0	8.5	34	—
AgriGold	A647-42TRC	246.8	—	—	35	21.7	9.1	33	1.8
LG Seeds	LG66C44	245.7	242.2	—	42	23.1	8.8	37	—
LG Seeds	LG5701VT2RIB	244.9	—	—	39	21.9	8.9	36	—
DeKalb	DKC62-89	244.3	—	—	37	20.5	8.9	34	—
DeKalb	DKC67-44	244.2	243.1	249.7	39	23.4	8.3	34	—
Beck's Hybrids	6374V2P	243.9	—	—	40	20.9	8.9	37	—
DeKalb	DKC70-27	243.6	241.4	245.8	39	26.0	9.9	34	—
Local Seed	LC1497 DGV2P	243.4	233.9	—	40	21.6	8.3	34	—
Dyna Gro	D54VC14	242.7	—	—	30	20.6	7.9	29	—
Dyna-Gro	D55VC80	242.6	230.4	241.1	44	22.3	8.8	29	4.0
LG Seeds	LG68C22VT2RIB	242.3	235.7	248.4	37	24.0	9.1	37	—
Dyna-Gro	D58VC65	241.9	231.8	243.9	35	21.8	8.6	29	—
Gateway Seed	0916 Tre	241.1	—	—	37	22.1	8.1	38	—
Local Seed	LC1407 VT2P	240.8	232.9	—	30	20.4	8.8	34	—
Augusta Seed	A4565	239.9	231.1	239.2	42	22.0	9.2	35	—
AgriGold	A645-16VT2PRO	239.8	227.2	237.0	41	23.7	9.0	33	—
DeKalb	DKC69-99	239.1	243.8	—	43	24.5	8.6	36	—
Local Seed	LC1616 TC	238.4	—	—	39	22.4	8.4	34	—
Progeny Ag	PGY 2025DG	238.3	233.3	—	34	21.9	8.2	30	—
AgriGold	A6659VT2RIB	237.7	235.7	243.8	40	22.1	8.9	35	1.6
Innvictus Seed	MEX1280DGV2P *	237.7	—	—	38	20.6	7.9	38	—
MorCorn	MC 4311	237.6	—	—	35	21.2	8.0	37	—
Dyna-Gro	D52VC63	237.2	—	—	35	21.2	8.8	30	—
DeKalb	DKC68-69	236.6	239.5	251.2	34	24.6	8.2	39	—
Local Seed	LC1987 VT2P	236.1	232.0	239.3	35	20.4	8.6	30	—
Croplan	CP5370 VT2P	236.0	225.4	—	40	21.8	8.2	35	—
LG Seeds	LG5643VT2RIB	235.6	242.0	250.6	33	21.7	8.1	29	4.0
Local Seed	LC1577 VT2P	235.4	244.5	250.0	33	20.5	8.1	37	—
Local Seed	LC1307TC	234.6	241.2	—	39	21.2	8.0	32	—
Croplan	CP5550VT2P	233.7	224.3	—	36	21.2	8.2	35	—
Progeny Ag	PGY 8116SS	233.4	235.7	247.7	38	22.4	8.1	34	—
Progeny Ag	PGY EXP116VT2P *	232.9	—	—	35	24.1	8.1	33	—
Great Heart Seed	HT-7337VT2P	232.9	235.6	—	37	20.9	8.9	35	1.6
Pioneer	P2042VYHR	232.8	—	—	33	25.2	8.8	34	—
Great Heart Seed	HT7256 DGV2P	230.6	221.5	—	38	21.2	7.9	36	—
Augusta Seed	A1367	229.2	234.2	244.7	47	24.1	9.4	34	—
MorCorn	MC 4670	229.2	231.8	—	35	23.9	8.3	36	—
BH Genetics	BH 8966VT2P	229.1	—	—	39	24.1	8.3	34	—
DeKalb	DKC67-94	228.4	—	—	35	23.1	8.3	34	—
Local Seed	LC1898 TC	228.2	225.0	—	34	21.8	8.4	28	—
Progeny Ag	PGY 8116VT2P	228.0	—	—	39	22.4	8.1	33	—
Pioneer	P1870YHR	226.9	225.5	240.2	40	24.5	8.6	29	—
DeKalb	DKC66-18	226.6	216.1	228.5	36	21.5	7.5	38	—
LG Seeds	LG5650VT2RIB	226.3	—	—	46	23.0	9.2	38	—
Progeny Ag	PGY 2118VT2P	225.7	235.1	—	36	25.0	8.2	36	—
BH Genetics	BH 8820VT2P	225.4	216.5	—	34	23.8	8.2	36	—
Gateway Seed	1717 VT2Pro	224.8	—	—	35	24.3	8.2	35	—
Gateway Seed	9714 VT2Pro	223.0	—	—	39	21.4	8.1	32	—
Beck's Hybrids	6414V2P	223.0	—	—	34	21.5	8.3	33	—
Local Seed	LC1919 VT2P	222.9	—	—	39	24.2	8.4	38	—
Croplan	CP5497VT2P	222.4	—	—	32	21.7	7.7	34	—
Augusta Seed	A4467	221.1	—	—	36	23.8	9.1	33	—
AgriGold	A6544VT2RIB	220.4	229.8	240.2	33	22.0	7.9	30	—
Progeny Ag	PGY 2012VT2P	220.1	215.0	—	38	22.6	9.4	37	—
Local Seed	LC1707 VT2P	219.0	226.6	—	33	25.2	8.1	30	—
Great Heart Seed	HT-7302VT2P	218.6	223.4	234.5	33	21.4	8.3	36	—

¹Hybrid followed by an asterisk indicates an experimental entry

Table 11 (continued). Results from 73 corn hybrids grown with center-pivot irrigation on a Brooksville and Vaiden silty clay soil near Macon, Noxubee County, 2021.

Brand name	Hybrid ¹	2021 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population	Stalk lodging
Innvictus Seed	MEX1580VT2P *	<i>bu/A</i> 218.6	<i>bu/A</i> —	<i>bu/A</i> —	<i>in</i> 37	% 20.6	<i>ft</i> 8.5	<i>x1000</i> 34	% 3.4
Local Seed	LC1506 VT2P	218.3	215.2	—	32	21.0	7.5	35	—
Gateway Seed	X1719 VT2Pro	217.5	—	—	36	24.1	8.1	32	—
Progeny Ag	PGY 2015VT2P	216.3	212.4	—	37	20.3	8.4	33	—
Great Heart Seed	HT7890VT2P	211.4	206.7	—	40	25.3	8.9	32	—
AgriGold	A647-35-5222	194.8	—	—	34	24.6	9.6	35	—
Mean		235.1							
CV		8.5							
LSD (0.05)		28.0							
R ²		34.0							
Error DF		219.0							
¹ Hybrid followed by an asterisk indicates an experimental entry.									

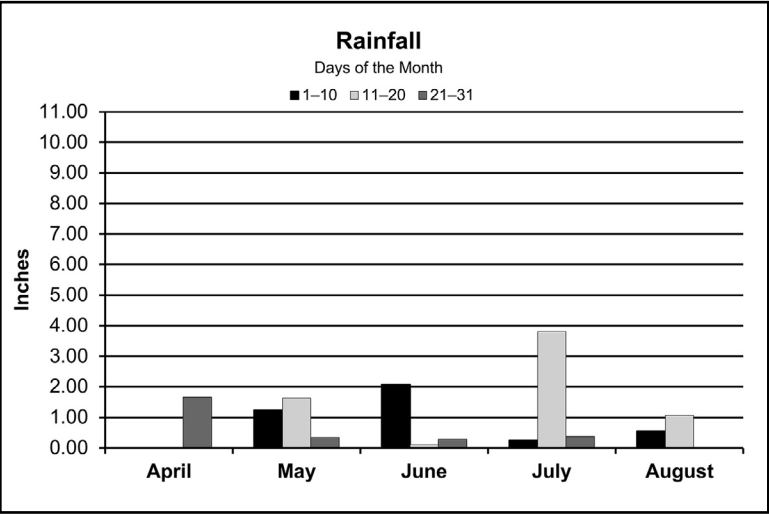
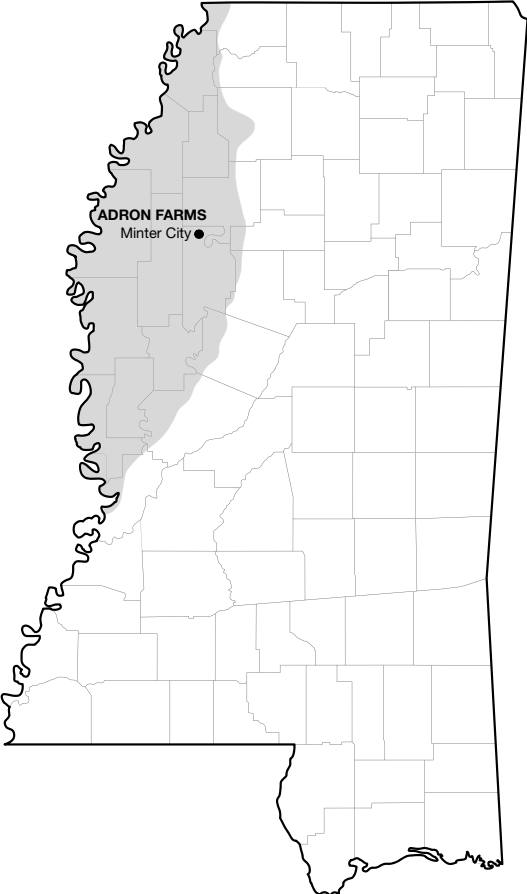
ADRON FARMS, MINTER CITY

Crop Summary

The corn plots were planted in late April due to frequent spring rains that delayed planting beyond the desired planting window for this location. Soil moisture was adequate at planting, and all plots quickly emerged to a good stand. Timely rainfall in combination with furrow irrigation supplied ample soil moisture throughout

the growing season. Backwater flooding during the middle of the season resulted in the loss of two reps. However, the remaining two reps were not affected, and this allowed for good plots to determine yields. Harvest was completed in a timely manner, and good yields were recorded at this location.

- Soil typeDubbs loam
- Soil pH6.1
- Soil fertilityP=H, K=H
- FertilizerAt planting – 10-20-5-1S-0.43Zn @ 15 gal/A(applied 2x2) on April 19
 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)
- HerbicidePreemergence – Corvus @ 5 oz/A and Atrazine @ 32 oz/A on April 19
 Postemergence – Atrazine @ 32 oz/A and Halex GT @ 56 oz/A
- Previous crop ...Soybean
- Planting date ..April 19
- Harvest date ...August 27
- IrrigationFurrow irrigated as needed



Rainfall Summary

	Inches
April	1.66
May	3.21
June	2.47
July	4.43
August	1.61
Total	13.38

Table 12. Results from 73 corn hybrids grown with furrow irrigation on a Dubbs silt loam soil near Minter City, 2021.

Brand name	Hybrid ¹	2021 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population	Stalk lodging
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>	<i>%</i>
MorCom	MC 4725	271.9	244.5	232.0	43	20.8	9.8	37	4.8
AgriGold	A6544VT2RIB	265.6	250.1	242.3	44	20.6	9.1	37	—
Dyna Gro	D57VC51	265.5	248.0	244.5	42	24.2	9.1	35	—
Pioneer	P1870YHR	257.7	247.3	237.1	50	25.4	10.1	35	—
LG Seeds	LG5643VT2RIB	253.6	240.6	233.8	43	20.6	10.0	36	—
Local Seed	LC1407 VT2P	253.2	236.3	—	42	22.4	9.6	33	—
Local Seed	LC1987 VT2P	252.8	241.8	232.0	40	23.3	9.1	34	—
Progeny Ag	PGY 9117VT2P	250.0	246.1	232.4	40	23.5	8.8	29	—
AgriGold	A645-16VT2PRO	247.9	239.1	238.7	44	24.3	9.8	36	—
LG Seeds	LG5701VT2RIB	246.4	—	—	41	23.0	9.5	36	—
AgriGold	A647-42TRC	245.1	—	—	40	24.9	10.9	38	—
Dyna-Gro	D58VC65	245.1	238.4	236.0	40	23.7	9.4	33	—
AgriGold	A6659VT2RIB	244.8	245.2	239.0	39	24.0	9.6	34	1.7
Great Heart Seed	HT7256 DGVT2P	244.5	244.2	—	44	22.4	9.0	37	—
DeKalb	DKC67-44	243.2	234.0	227.3	42	24.6	9.2	34	—
Pioneer	P2042WYHR	243.1	—	—	43	27.4	9.4	32	—
Local Seed	LC1577 VT2P	242.9	232.1	229.0	37	23.0	9.1	33	1.8
Great Heart Seed	HT-7337VT2P	239.0	235.8	—	39	23.3	9.1	37	—
Croplan	CP5550VT2P	238.4	239.0	—	43	22.5	9.2	31	—
Progeny Ag	PGY EXP115TRE *	237.9	—	—	37	25.5	9.4	36	—
Gateway Seed	9714 VT2Pro	237.2	—	—	39	21.1	9.0	35	—
Dyna-Gro	D55VC80	237.2	236.5	234.7	41	23.8	9.7	35	—
MorCom	MC 4311	237.1	—	—	40	22.4	9.0	34	—
Gateway Seed	0916 Tre	237.0	—	—	40	22.1	9.2	31	1.9
Great Heart Seed	HT-7302VT2P	236.9	233.6	232.0	40	22.2	9.2	33	5.3
Local Seed	LC1707 VT2P	236.3	228.8	—	43	26.6	9.4	35	—
Local Seed	LC1506 VT2P	235.9	231.3	—	49	24.6	9.2	31	—
Beck's Hybrids	6414V2P	235.4	—	—	40	22.2	9.7	33	3.6
Progeny Ag	PGY EXP116VT2P *	235.4	—	—	36	28.1	8.7	34	—
Dyna Gro	D54VC14	234.6	—	—	44	20.9	8.7	35	—
Croplan	CP5370 VT2P	234.2	221.8	—	40	23.1	8.9	35	—
Dyna-Gro	D54VC34	234.1	—	—	43	25.9	9.3	33	—
BH Genetics	BH 8721VT2P	234.0	230.9	224.2	42	22.8	9.2	37	—
Local Seed	LC1898 TC	232.8	226.2	—	45	21.7	8.9	31	—
LG Seeds	LG68C22VT2RIB	231.3	221.8	223.3	46	25.9	9.3	37	—
Local Seed	LC1307TC	231.1	223.3	—	36	22.5	8.5	34	—
Innivictus Seed	MEX1671TRE *	229.7	—	—	40	24.1	10.1	34	—
Beck's Hybrids	6374V2P	229.4	—	—	49	21.1	9.3	37	—
Gateway Seed	1717 VT2Pro	228.8	—	—	41	26.3	9.3	32	—
Progeny Ag	PGY 8116SS	228.7	231.1	214.9	43	24.8	9.1	34	—
Great Heart Seed	HT-7425DGVT2P	228.3	232.4	226.2	37	23.8	9.1	35	—
Innivictus Seed	MEX1580VT2P *	228.0	—	—	37	21.6	9.9	34	—
Beck's Hybrids	6557V2P	227.4	—	—	45	22.6	9.6	37	—
Progeny Ag	PGY 2015VT2P	227.3	221.6	—	44	23.9	8.2	35	—
Progeny Ag	PGY 8116VT2P	227.2	—	—	40	24.8	8.6	35	—
Augusta Seed	A4565	226.5	216.4	215.1	37	24.2	9.7	36	—
Croplan	CP5497VT2P	226.2	—	—	45	26.2	8.9	35	—
Local Seed	LC1919 VT2P	226.1	—	—	43	28.2	9.4	35	—
Gateway Seed	X1719 VT2Pro	225.1	—	—	40	28.2	9.7	35	—
Local Seed	LC1497 DGVT2P	222.5	226.0	—	40	21.6	9.2	34	—
LG Seeds	LG66C44	222.0	229.1	—	43	21.6	9.5	36	—
BH Genetics	BH 8820VT2P	221.1	215.0	—	40	25.5	9.3	35	—
Progeny Ag	PGY 2025DG	220.3	228.6	—	39	23.7	9.0	34	—
Local Seed	LC1616 TC	218.6	—	—	45	26.9	9.7	32	—
BH Genetics	BH 8966VT2P	218.1	—	—	43	25.1	9.0	38	—
DeKalb	DKC70-27	217.5	228.9	230.3	39	25.1	9.3	34	—
Innivictus Seed	MEX1280DGVT2P *	217.5	—	—	47	20.7	9.4	30	11.8
DeKalb	DKC68-69	217.2	224.2	222.9	40	25.0	9.6	35	1.6
Dyna-Gro	D52VC63	215.6	—	—	42	23.2	9.1	35	—
LG Seeds	LG5650VT2RIB	214.5	—	—	39	22.9	9.4	36	—
DeKalb	DKC66-18	210.6	211.2	217.7	47	22.3	8.8	34	—
DeKalb	DKC65-99	208.6	223.1	—	38	20.9	8.7	34	—
Augusta Seed	A1367	207.9	213.7	211.0	45	25.4	10.0	34	—
DeKalb	DKC69-99	205.4	217.1	—	42	23.4	9.3	37	—
DeKalb	DKC67-94	204.3	—	—	42	22.3	9.1	35	—
Beck's Hybrids	6743AML	202.8	—	—	46	23.6	10.4	33	3.5
AgriGold	A647-35-5222	202.3	—	—	41	26.7	9.9	34	1.7
Great Heart Seed	HT7890VT2P	198.9	211.7	—	40	25.6	9.4	35	—

¹Hybrid followed by an asterisk indicates an experimental entry.

Table 12 (cont.). Results from 73 corn hybrids grown with furrow irrigation on a Dubbs silt loam soil near Minter City, 2021.

Brand name	Hybrid¹	2021 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population	Stalk lodging
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>	<i>%</i>
DeKalb	DKC62-89	197.3	—	—	40	20.1	9.3	31	—
MorCorn	MC 4670	193.4	197.1	—	40	24.2	9.9	33	3.5
Progeny Ag	PGY 2118VT2P	190.5	215.1	—	43	27.1	8.9	36	—
Progeny Ag	PGY 2012VT2P	188.2	197.5	—	43	21.8	8.7	36	—
Augusta Seed	A4467	173.2	—	—	47	26.8	9.5	34	—
Mean		228.7							
CV		8.2							
LSD (0.05)		37.5							
R ²		66.0							
Error DF		73.0							

¹Hybrid followed by an asterisk indicates an experimental entry.

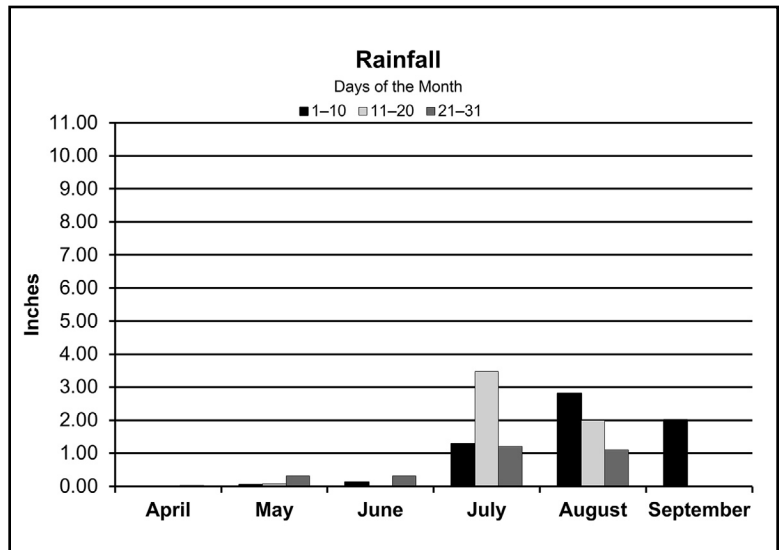
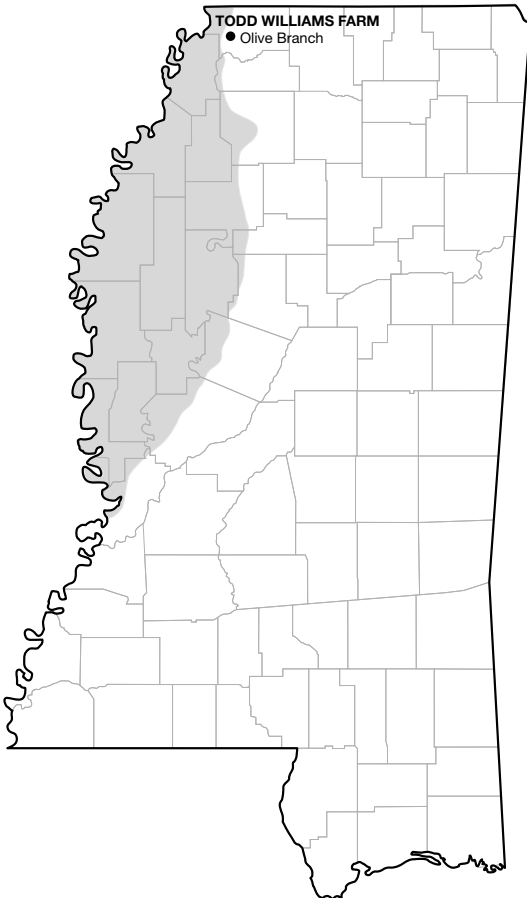
TODD WILLIAMS FARM, OLIVE BRANCH

Crop Summary

The corn plots were planted into a stale seedbed. Following planting, burndown and preemergence herbicide applications were 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 typeCollins silt loam
 Soil pH6.2
 Soil fertilityP=H, K=H
 FertilizerAt planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on April 20
 Preplant — 70-30-120-10S-1B
 Topdress — N @ 120 units (Urea + Agritain)
 HerbicidePreemergence — Atrazine @ 32 oz/A and Dual II Magnum @ 32 oz/A on April 20
 Previous cropSoybean
 Planting dateApril 20
 Harvest dateSeptember 10



Rainfall Summary

	Inches
April	0.04
May	0.44
June	0.46
July	5.98
August	5.89
September	2.01
Total	14.82

**Table 13. Results from 58 corn hybrids grown without irrigation
on a Collins silt loam soil near Olive Branch, DeSoto County, 2021.**

Brand name	Hybrid¹	2021 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population	Stalk lodging
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>	<i>%</i>
LG Seeds	LG5643VT2RIB	222.6	240.3	—	48	17.6	9.4	35	1.8
Progeny Ag	PGY EXP115TRE *	222.5	—	—	44	18.5	8.8	33	1.9
Dyna Gro	D57VC51	221.2	227.3	231.7	39	20.1	8.2	32	2.0
Croplan	CP5370 VT2P	221.1	221.4	—	47	17.7	8.9	30	2.0
AgriGold	A6659 VT2 RIB	221.0	224.9	235.4	44	19.9	8.5	33	1.9
AgriGold	A645-16VT2PRO	218.0	226.0	232.8	48	19.4	9.0	33	1.9
DeKalb	DKC65-99	217.6	221.1	—	30	20.6	7.8	28	2.2
MorCorn	MC 4725	215.9	219.7	228.9	40	20.5	9.5	32	1.9
DeKalb	DKC67-44	213.7	219.9	237.9	40	19.1	8.0	30	2.1
Progeny Ag	PGY 9114VT2P	213.2	218.0	231.8	40	18.8	8.7	34	1.9
Progeny Ag	PGY 9117VT2P	213.1	214.1	224.1	43	20.4	7.7	30	2.1
DeKalb	DKC66-18	213.0	218.2	233.5	40	17.3	8.6	35	1.8
Progeny Ag	PGY 8116VT2P	212.5	—	—	35	19.4	8.4	31	2.0
DeKalb	DKC70-27	210.7	223.5	241.0	44	20.3	8.1	36	1.7
Progeny Ag	PGY 8116SS	210.5	208.5	224.0	42	19.0	9.1	32	1.9
LG Seeds	LG66C44	210.4	220.6	—	48	18.9	8.7	34	1.9
Croplan	CP5550VT2P	209.5	214.6	—	43	17.6	8.0	28	2.2
LG Seeds	LG64C30TRCRIB	208.4	—	—	41	17.9	7.9	33	1.9
Progeny Ag	PGY 2015VT2P	206.3	217.9	—	41	17.6	8.7	34	1.9
DeKalb	DKC69-99	205.3	226.6	—	31	19.1	7.8	31	2.0
Local Seed	LC1987 VT2P	204.9	214.3	218.3	4	18.1	8.2	27	2.3
DeKalb	DKC68-69	204.8	220.1	234.5	45	21.4	8.8	30	6.3
DeKalb	DKC67-94	203.4	—	—	40	18.9	8.2	29	2.2
Dyna Gro	D54VC14	202.8	—	—	37	17.9	8.6	33	1.9
Pioneer	P1464VYHR	202.2	206.8	226.5	39	17.5	9.0	30	2.0
Dyna-Gro	D55VC80	202.0	—	—	37	19.2	8.0	29	6.4
AgriGold	A6544VT2RIB	201.7	211.0	229.7	41	18.9	9.0	35	1.8
Local Seed	LC1506 VT2P	201.1	218.3	—	53	18.5	9.3	33	3.8
Innivictus Seed	MEX1280DGV2P *	200.7	—	—	43	16.8	9.1	31	2.0
Great Heart Seed	HT7890VT2P	200.3	205.9	—	48	21.2	9.2	30	2.0
Local Seed	LC1707 VT2P	200.0	217.4	—	44	21.0	8.5	27	4.5
Dyna-Gro	D54VC34	197.5	—	—	32	17.6	8.1	33	1.9
AgriGold	A645-80-3110	197.4	—	—	45	21.0	9.0	31	2.0
Local Seed	LC1898 TC	196.2	196.4	—	49	18.4	9.0	32	2.0
LG Seeds	LG5650VT2RIB	196.1	—	—	50	18.1	9.7	35	1.8
Progeny Ag	PGY 2118VT2P	196.1	—	—	47	20.1	8.7	35	3.6
LG Seeds	LG5701VT2RIB	195.4	—	—	44	19.5	8.4	34	1.9
Local Seed	LC1577 VT2P	195.4	218.0	221.3	42	18.0	8.6	28	2.2
Local Seed	LC1407 VT2P	195.0	201.8	—	50	17.1	8.9	31	4.0
MorCorn	MC 4670	194.3	205.7	—	36	19.2	7.8	37	1.7
Progeny Ag	PGY EXP116VT2P *	194.3	—	—	44	21.1	8.9	32	1.9
Local Seed	LC1497 DGV2P	193.5	216.5	—	40	16.8	8.0	28	2.2
Pioneer	P1077YHR	192.3	209.7	—	39	17.3	7.9	32	2.0
Dyna-Gro	D52VC63	191.9	—	—	43	17.0	8.4	33	1.9
Dyna-Gro	D58VC22	191.8	—	—	44	19.5	9.7	36	1.7
MorCorn	MC 4311	191.0	—	—	44	17.0	8.0	29	2.2
Local Seed	LC1307TC	190.7	—	—	50	16.7	8.6	30	2.0
Great Heart Seed	HT-7302VT2P	189.8	197.6	—	32	19.0	8.3	29	10.6
AgriGold	A647-42TRC	189.1	—	—	35	18.1	7.7	28	2.2
Innivictus Seed	MEX1580VT2P *	188.7	—	—	46	17.8	9.6	29	2.1
Innivictus Seed	MEX1671TRE *	188.5	—	—	37	18.0	8.5	34	1.8
Progeny Ag	PGY 2025DG	187.2	196.4	—	41	17.9	8.5	32	1.9
Dyna-Gro	D58VC65	186.1	201.0	205.6	37	19.6	7.7	32	2.0
Great Heart Seed	HT-7337VT2P	185.5	211.4	—	42	17.4	9.1	33	3.8
Local Seed	LC1616 TC	180.0	—	—	44	19.5	8.9	31	2.0
Croplan	CP5497VT2P	180.0	—	—	44	18.8	9.0	33	1.9
Local Seed	LC1919 VT2P	179.4	—	—	37	21.6	8.7	32	2.0
DeKalb	DKC62-89	171.1	—	—	46	17.3	8.6	26	2.4
Mean		200.8							
CV		8.5							
LSD (0.05)		23.9							
R ²		39							
Error DF		174							

¹Hybrid followed by an asterisk indicates an experimental entry.

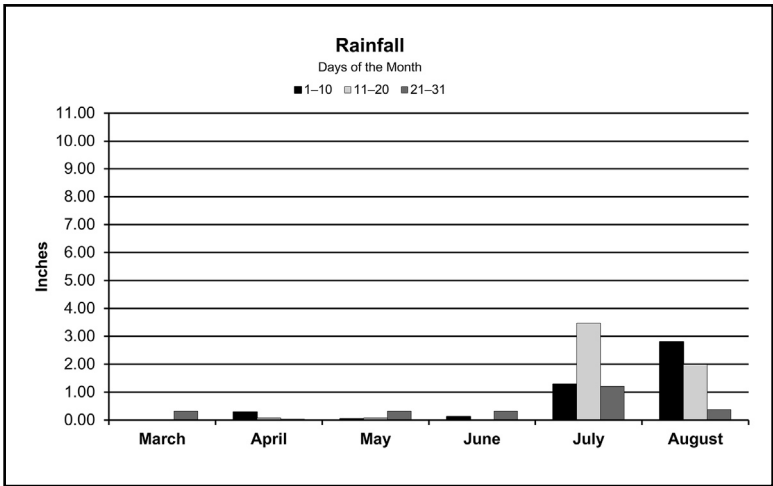
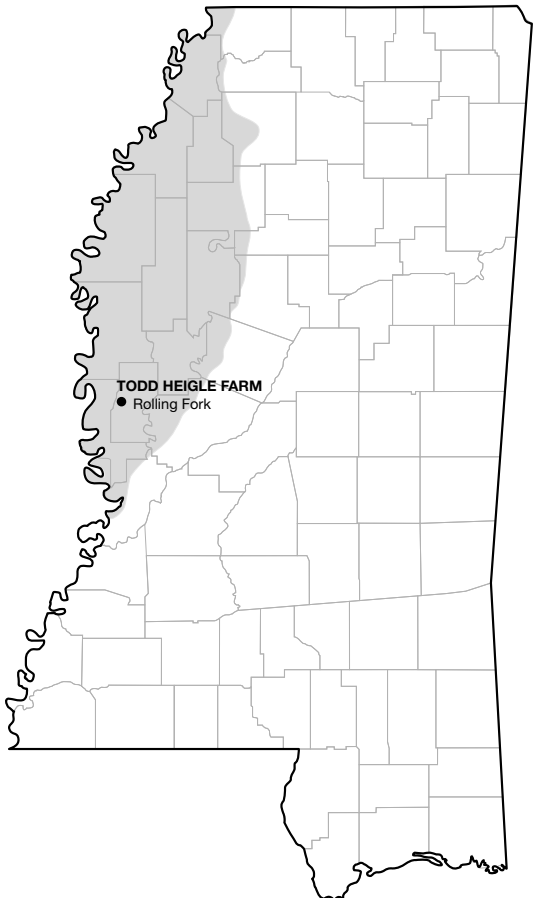
TODD HEIGLE FARM, ROLLING FORK (IRRIGATED)

Crop Summary

The plots were planted in late March into a stale seedbed with good soil moisture. All plots quickly emerged to a good stand. Timely rainfall in combination with irrigation allowed for ample soil moisture through-

out the growing season for the crop. Harvest was completed in a timely manner without difficulties, and good yields were observed at this location.

- Soil typeCommerce silty clay loam
- Soil pH6.0
- Soil fertilityP=H, K=H
- FertilizerAt planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on March 22
 Topdress — N @ 276 units (46-0-0)
- HerbicidePreemergence — Gramoxone @ 32 oz/A, Atrazine @ 32 oz/A, and Corvus @ 5 oz/A
 on March 22
 Postemergence — Roundup PowerMax @ 0.9 pt/A, Sequence @ 2.5 pt/A, Atrazine DG
 @ 1 lb/A, and Interactive @ 5.8 oz/A
- Previous crop ...Soybean
- Planting date ...March 22
- Harvest date ...August 26
- IrrigationFurrow irrigated as needed



Rainfall Summary

	Inches
March .....	.032
April .....	.041
May .....	.044
June .....	.046
July .....	.598
August .....	.517
Total	12.78

Table 14. Results from 73 corn hybrids grown with furrow irrigation near Rolling Fork, 2021.

Brand name	Hybrid¹	2021 yield	2-year average²	3-year average²	Ear height	Moisture content	Plant height	Harvested population
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>
LG Seeds	LG5643VT2RIB	274.8	—	—	42	18.9	9.4	35
Progeny Ag	PGY 2025DG	273.0	—	—	41	18.6	8.4	36
Local Seed	LC1577 VT2P	270.8	—	—	40	20.4	8.5	36
LG Seeds	LG5701VT2RIB	269.7	—	—	37	20.3	8.8	35
BH Genetics	BH 8721VT2P	263.9	—	—	49	19.8	9.2	35
AgriGold	A6659 VT2 RIB	262.6	—	—	37	20.9	8.6	35
MorCorn	MC 4311	262.0	—	—	40	19.1	8.8	36
Augusta Seed	A1367	260.4	—	—	45	21.3	9.2	35
MorCorn	MC 4725	260.0	—	—	46	19.5	9.3	36
DeKalb	DKC66-18	259.6	—	—	41	20.4	8.8	36
Progeny Ag	PGY 2015VT2P	259.2	—	—	42	19.7	8.5	35
DeKalb	DKC69-99	257.9	—	—	44	21.5	9.2	36
AgriGold	A6544VT2RIB	257.2	—	—	42	18.9	9.0	33
Dyna-Gro	D55VC80	256.2	—	—	44	20.2	9.0	36
Local Seed	LC1987 VT2P	254.7	—	—	42	19.9	9.3	34
Great Heart Seed	HT-7302VT2P	254.5	—	—	47	20.0	9.4	35
Local Seed	LC1407 VT2P	253.9	—	—	46	19.2	9.0	33
Gateway Seed	9714 VT2Pro	253.3	—	—	44	19.8	9.0	35
Innvictus Seed	MEX1671TRE *	253.3	—	—	41	20.4	9.9	36
Progeny Ag	PGY 9117VT2P	252.3	—	—	50	19.9	9.1	39
Innvictus Seed	MEX1580VT2P *	251.8	—	—	47	18.8	9.2	33
Croplan	CP5550VT2P	251.6	—	—	44	19.4	8.1	30
DeKalb	DKC70-27	251.3	—	—	45	21.0	8.8	36
Great Heart Seed	HT7256 DGVT2P	250.4	—	—	47	20.0	9.2	36
Innvictus Seed	MEX1280DGVT2P *	249.2	—	—	41	19.7	8.8	35
Dyna Gro	D57VC51	248.9	—	—	49	20.9	8.7	35
Croplan	CP5370 VT2P	248.3	—	—	40	20.3	8.4	33
Local Seed	LC1506 VT2P	248.2	—	—	46	19.8	9.3	32
Great Heart Seed	HT-7337VT2P	246.7	—	—	43	19.1	9.2	36
AgriGold	A645-16VT2PRO	244.5	—	—	43	20.8	9.0	36
DeKalb	DKC62-89	244.4	—	—	44	19.1	9.1	34
Beck's Hybrids	6557V2P	243.6	—	—	51	20.1	9.2	36
Local Seed	LC1497 DGVT2P	243.1	—	—	47	19.4	8.4	36
Progeny Ag	PGY 2012VT2P	242.9	—	—	46	19.9	8.9	34
Dyna-Gro	D54VC34	242.6	—	—	40	20.0	8.5	34
Beck's Hybrids	6374V2P	242.3	—	—	42	19.3	8.5	36
Local Seed	LC1307TC	241.7	—	—	42	18.9	8.3	35
AgriGold	A647-42TRC	241.5	—	—	40	20.1	9.1	36
BH Genetics	BH 8820VT2P	239.7	—	—	41	21.9	8.2	35
Progeny Ag	PGY EXP115TRE *	238.2	—	—	40	20.1	8.4	36
LG Seeds	LG68C22VT2RIB	237.8	—	—	42	20.9	9.1	36
Progeny Ag	PGY 8116SS	237.8	—	—	40	21.1	8.3	36
Dyna Gro	D54VC14	237.6	—	—	40	20.0	8.4	33
DeKalb	DKC67-94	236.7	—	—	43	20.9	9.3	36
Great Heart Seed	HT-7425DGVT2P	235.2	—	—	43	20.2	9.1	36
Pioneer	P1870YHR	234.6	—	—	39	21.9	8.8	35
Croplan	CP5497VT2P	231.6	—	—	39	20.6	9.2	34
Augusta Seed	A4565	230.1	—	—	48	19.1	10.3	36
DeKalb	DKC68-69	228.7	—	—	50	22.0	9.4	36
LG Seeds	LG66C44	227.2	—	—	46	18.6	9.1	36
DeKalb	DKC67-44	226.7	—	—	48	20.5	9.1	36
Local Seed	LC1707 VT2P	226.2	—	—	41	22.5	8.7	36
Beck's Hybrids	6414V2P	226.2	—	—	48	20.6	9.0	35
Progeny Ag	PGY EXP116VT2P *	225.5	—	—	41	19.1	8.2	34
Dyna-Gro	D52VC63	224.5	—	—	34	20.0	9.1	33
LG Seeds	LG5650VT2RIB	222.5	—	—	47	20.5	8.8	36
Pioneer	P2042VYHR	222.3	—	—	40	21.5	9.1	36
Local Seed	LC1616 TC	222.2	—	—	46	21.1	9.4	34
Dyna-Gro	D58VC65	221.4	—	—	35	20.1	8.5	31
Augusta Seed	A4467	220.7	—	—	41	20.4	8.9	36
Progeny Ag	PGY 8116VT2P	219.9	—	—	45	20.5	8.6	36
Beck's Hybrids	6743AML	219.1	—	—	48	21.0	9.2	38
Gateway Seed	0916 Tre	217.1	—	—	41	21.8	9.3	31
AgriGold	A647-35-5222	216.5	—	—	43	21.4	8.8	35
MorCorn	MC 4670	216.2	—	—	40	20.6	9.1	35
BH Genetics	BH 8966VT2P	211.4	—	—	45	22.1	9.0	34
Gateway Seed	X1719 VT2Pro	208.7	—	—	44	21.5	9.1	35
Progeny Ag	PGY 2118VT2P	208.7	—	—	40	22.4	8.4	36

¹Hybrid followed by an asterisk indicates an experimental entry.

²No 2 or 3-year average.

Table 14 (continued). Results from 73 corn hybrids grown with furrow irrigation near Rolling Fork, 2021.

Brand name	Hybrid¹	2021 yield	2-year average²	3-year average²	Ear height	Moisture content	Plant height	Harvested population
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>
Great Heart Seed	HT7890VT2P	208.6	—	—	45	22.1	8.4	35
Local Seed	LC1919 VT2P	207.2	—	—	45	21.7	8.4	35
DeKalb	DKC65-99	206.5	—	—	39	20.5	8.6	36
Gateway Seed	1717 VT2Pro	197.1	—	—	41	22.3	9.0	31
Local Seed	LC1898 TC	183.6	—	—	43	18.5	9.3	34
Mean		238.6						
CV		11.8						
LSD (0.05)		39.4						
R ²		37.0						
Error DF		219.0						
¹ Hybrid followed by an asterisk indicates an experimental entry. ² No 2 or 3-year average.								

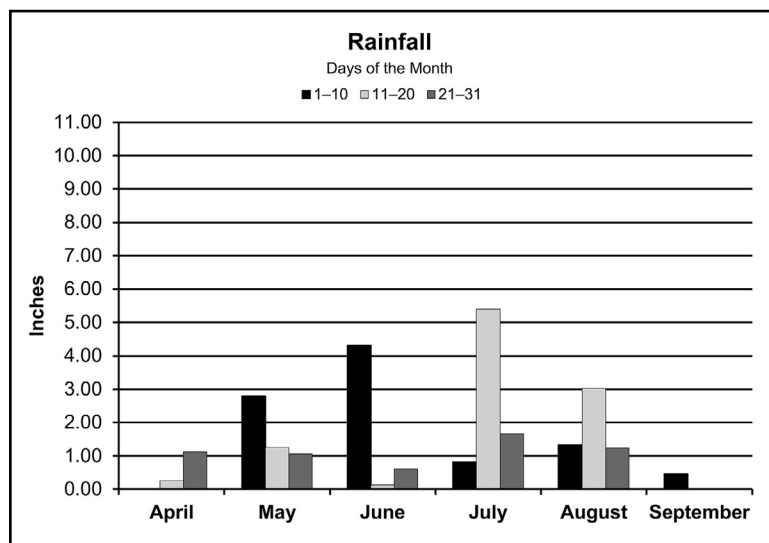
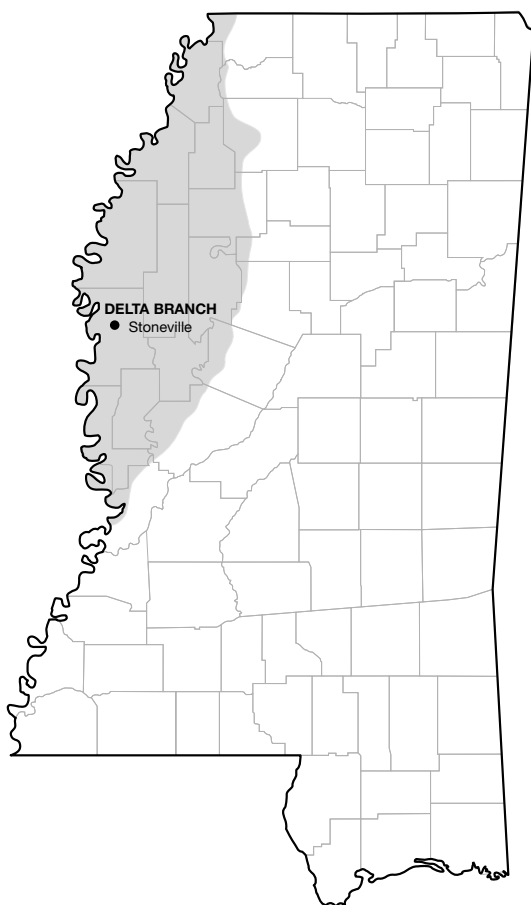
MAFES DELTA BRANCH, STONEVILLE (CLAY)

Crop Summary

The plots were planted in early 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 slightly beyond the desired 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. Good yields were observed.

Soil typeSharkey clay
Soil pH6.6
Soil fertilityP=H, K=H
FertilizerAt planting — 10-20-5-1S-0.43Zn @ 15 gal/A(applied 2x2) on April 6
 Sidedress — 32 % UAN @ 120 units on April 19 and 32% UAN @ 120 units on May 17
HerbicidePreemergence — Gramoxone @ 1 qt/A, Atrazine @ 2 qt/A, and Corvus @ 5 oz/A on April 6
Previous crop ...Soybean
Planting date ...April 6
Harvest date ...September 9
IrrigationFurrow irrigation as needed



Rainfall Summary

	Inches
April	1.39
May	5.11
June	5.06
July	7.88
August	5.59
September	0.46
Total	25.49

Table 15. Results from 73 corn hybrids grown with furrow irrigation on a Sharkey clay soil at the MAFES Delta Branch, Stoneville, 2021.

Brand name	Hybrid ¹	2021 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population	Stalk lodging
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>	<i>%</i>
Beck's Hybrids	6557V2P	262.7	—	—	41	16.7	8.6	36	—
LG Seeds	LG5643VT2RIB	262.2	259.1	228.7	35	16.6	8.2	33	7.0
DeKalb	DKC66-18	261.8	246.9	220.6	33	16.9	7.6	35	1.6
DeKalb	DKC68-69	261.6	249.1	229.6	43	18.1	8.8	33	8.8
Beck's Hybrids	6743AML	261.6	—	—	43	17.3	9.5	35	—
LG Seeds	LG66C44	261.3	251.1	—	42	17.2	8.7	36	21.0
AgriGold	A647-42TRC	260.1	—	—	33	16.8	8.5	33	5.4
MorCom	MC 4725	258.3	250.7	228.0	38	17.3	8.0	39	5.9
BH Genetics	BH 8721VT2P	255.9	247.6	229.9	43	17.1	8.2	35	—
DeKalb	DKC62-89	254.8	—	—	38	16.8	8.3	33	3.5
Progeny Ag	PGY 9117VT2P	254.2	259.1	225.3	44	17.2	8.8	36	3.2
DeKalb	DKC67-44	253.2	248.2	229.0	44	17.1	8.1	33	15.8
Beck's Hybrids	6414V2P	253.0	—	—	40	16.6	8.2	33	1.8
Innvictus Seed	MEX1671TRE *	252.6	—	—	42	17.0	9.2	34	13.6
Great Heart Seed	HT7256 DGV2P	252.0	247.8	—	38	16.8	8.4	38	6.2
MorCom	MC 4311	251.9	—	—	36	16.7	7.9	33	3.6
Gateway Seed	0916 Tre	251.4	—	—	46	17.9	8.4	32	10.9
Beck's Hybrids	6374V2P	250.9	—	—	41	16.8	7.9	34	6.8
Great Heart Seed	HT-7337VT2P	250.9	246.0	—	41	16.7	8.4	36	1.6
Pioneer	P2042VYHR	249.8	—	—	37	17.7	8.1	33	8.9
LG Seeds	LG5650VT2RIB	248.8	—	—	38	17.0	8.3	38	13.6
Local Seed	LC1987 VT2P	245.9	238.3	219.7	38	17.1	8.1	33	1.8
Augusta Seed	A1367	245.6	256.4	239.6	36	17.2	8.5	35	1.7
Gateway Seed	1717 VT2Pro	245.6	—	—	41	17.9	8.4	35	13.3
DeKalb	DKC67-94	245.5	—	—	41	17.0	7.8	35	8.3
Innvictus Seed	MEX1280DGV2P *	245.3	—	—	48	16.6	8.1	34	24.1
DeKalb	DKC70-27	244.6	256.1	228.4	44	17.5	8.7	31	1.9
AgriGold	A647-35-5222	244.3	—	—	40	16.9	8.6	34	—
AgriGold	A6544VT2RIB	244.2	240.7	222.1	34	16.5	8.5	37	4.8
Great Heart Seed	HT-7425DGV2P	243.7	245.8	222.8	38	16.6	8.1	35	—
Croplan	CP5550VT2P	243.4	243.6	—	39	16.8	8.1	36	9.7
Progeny Ag	PGY 8116SS	243.1	243.6	220.0	44	17.1	8.3	34	—
Dyna-Gro	D55VC80	242.0	234.8	218.0	34	17.1	8.9	35	10.0
Local Seed	LC1577 VT2P	241.4	246.1	219.7	39	16.9	8.5	33	12.3
Dyna Gro	D54VC14	240.9	—	—	40	17.0	8.2	31	13.2
Local Seed	LC1898 TC	240.4	237.0	—	39	16.6	8.7	32	—
Augusta Seed	A4565	240.3	243.0	226.0	40	16.8	8.6	32	10.9
Local Seed	LC1307TC	240.3	247.5	—	41	16.5	8.3	29	4.0
Progeny Ag	PGY 2015VT2P	238.8	234.9	—	46	16.7	8.2	35	—
Local Seed	LC1506 VT2P	238.6	244.8	—	41	16.8	8.4	29	6.0
AgriGold	A645-16VT2PRO	238.4	239.9	213.8	39	17.2	9.1	35	8.3
Local Seed	LC1707 VT2P	236.9	241.8	—	35	18.3	8.4	28	—
Dyna-Gro	D54VC34	236.5	—	—	38	16.9	8.7	30	7.7
Local Seed	LC1407 VT2P	236.0	235.2	—	39	16.7	8.5	36	4.8
BH Genetics	BH 8820VT2P	235.4	237.9	—	44	17.8	8.3	33	7.1
Progeny Ag	PGY EXP116VT2P *	235.0	—	—	39	17.9	7.8	31	—
Innvictus Seed	MEX1580VT2P *	234.9	—	—	39	16.8	8.3	33	1.8
Augusta Seed	A4467	234.4	—	—	38	17.0	8.7	32	3.6
Gateway Seed	X1719 VT2Pro	233.0	—	—	38	17.6	8.1	35	—
Progeny Ag	PGY 2012VT2P	233.0	240.1	—	38	16.7	8.3	32	3.6
BH Genetics	BH 8966VT2P	232.4	—	—	40	18.1	8.6	30	9.8
Progeny Ag	PGY 8116VT2P	231.4	—	—	44	16.8	9.2	33	5.3
Progeny Ag	PGY EXP115TRE *	231.1	—	—	42	17.0	8.9	33	1.8
MorCom	MC 4670	230.4	232.7	—	37	16.7	9.0	33	10.7
Progeny Ag	PGY 2025DG	229.7	240.6	—	40	16.7	8.2	30	—
Local Seed	LC1497 DGV2P	228.0	236.3	—	40	16.8	8.3	37	7.8
Great Heart Seed	HT-7302VT2P	227.9	241.5	218.1	37	16.7	8.4	35	1.7
Gateway Seed	9714 VT2Pro	227.9	—	—	36	16.7	8.4	31	3.8
Pioneer	P1870YHR	226.9	245.1	226.9	41	17.3	8.9	31	3.7
Local Seed	LC1919 VT2P	224.9	—	—	40	17.4	8.2	37	4.7
DeKalb	DKC65-99	223.2	233.3	—	35	16.9	8.1	34	1.7
Croplan	CP5497VT2P	223.0	—	—	48	16.9	8.3	31	5.6
Local Seed	LC1616 TC	223.0	—	—	40	17.0	8.2	35	—
Progeny Ag	PGY 2118VT2P	222.3	237.9	—	38	17.9	9.2	33	14.0
Dyna-Gro	D58VC65	221.9	227.8	213.4	40	16.8	8.5	34	3.4
Croplan	CP5370 VT2P	221.5	226.7	—	42	16.6	9.0	34	6.9
LG Seeds	LG68C22VT2RIB	221.5	222.2	202.2	44	16.9	8.6	33	10.7

¹Hybrid followed by an asterisk indicates an experimental entry.

Table 15 (continued). Results from 73 corn hybrids grown with furrow irrigation on a Sharkey clay soil at the MAFES Delta Branch, Stoneville, 2021.

Brand name	Hybrid¹	2021 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population	Stalk lodging
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>	<i>%</i>
Dyna-Gro	D52VC63	219.4	—	—	36	17.2	8.4	35	6.6
Great Heart Seed	HT7890VT2P	218.1	230.0	—	41	17.4	8.8	31	5.7
DeKalb	DKC69-99	213.8	237.5	—	44	17.5	8.3	34	—
AgriGold	A6659VT2RIB	208.5	224.4	220.1	41	16.9	8.3	35	8.3
Dyna Gro	D57VC51	207.8	232.9	221.5	40	16.9	7.7	33	—
LG Seeds	LG5701VT2RIB	189.8			34	17.1	8.8	33	5.4
Mean		238.9							
CV		8.0							
LSD (0.05)		26.5							
R ²		44.0							
Error DF		219.0							
¹ Hybrid followed by an asterisk indicates an experimental entry.									

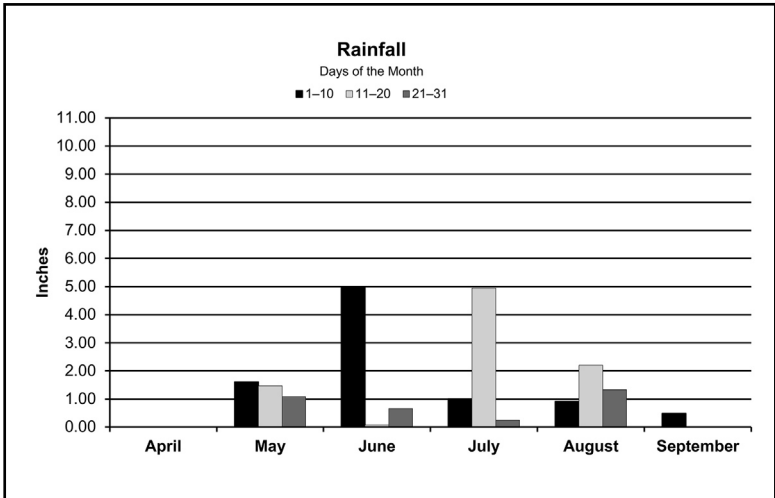
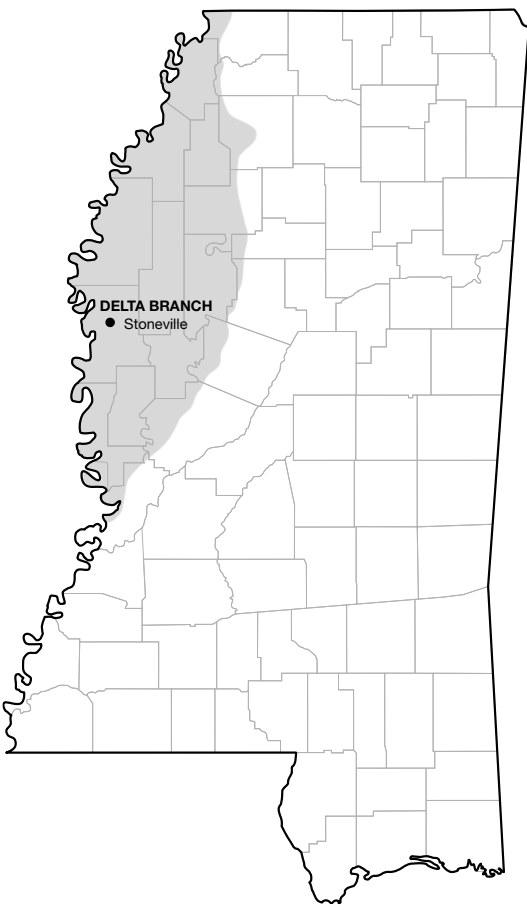
MAFES DELTA BRANCH, STONEVILLE (LOAM) IRRIGATED

Crop Summary

The plots were planted in late March into a seedbed with good soil moisture. The beds were drug down with a do-all just prior to planting. The plots had to be replanted on April 13 due to extensive damage observed to some plots as a result of bird feeding. After replanting,

all plots quickly emerged to a stand. Timely rainfall throughout the season, in combination with irrigation, supplied soil moisture. 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 13**
 Preplant — 21-0-0-24S @ 100 lb/A
 Sidedress — 32% UAN @ 120 units on April 6 and 32% UAN @ 120 units on May 17
- Herbicide **Preemergence — Gramoxone @ 32 oz/A, Atrazine @ 32 oz/A, and Corvus @ 5 oz/A on April 13**
- Previous crop . . . **Soybean**
- Planting date . . . **March 22, replanted on April 13**
- Harvest date **September 13**
- Irrigation **Furrow irrigated as needed**



Rainfall Summary

	Inches
April . . . . .	.00
May . . . . .	.4.16
June . . . . .	.5.69
July . . . . .	.6.21
August . . . . .	.4.45
September . . . . .	.0.49
Total . . . . .	.21.00

Table 16. Results from 73 corn hybrids grown with furrow irrigation on a Bosket very fine sandy loam soil at the MAFES Delta Branch, Stoneville, 2021.

Brand name	Hybrid ¹	2021 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population	Stalk lodging
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>	<i>%</i>
Beck's Hybrids	6743AML	273.2	—	—	43	17.0	8.9	36	1.6
Pioneer	P1870YHR	269.4	251.9	262.1	42	17.5	8.1	39	—
Dyna Gro	D57VC51	265.4	246.1	241.4	39	17.0	8.4	36	3.1
Local Seed	LC1577 VT2P	263.6	242.2	246.6	35	16.7	8.4	36	2.9
DeKalb	DKC67-94	260.5	—	—	38	17.0	8.1	30	—
MorCorn	MC 4670	260.2	234.7	—	41	16.8	7.8	34	—
Progeny Ag	PGY EXP115TRE *	257.1	—	—	34	17.1	8.6	36	—
Pioneer	P2042VYHR	256.2	—	—	37	17.5	9.1	33	—
Beck's Hybrids	6414V2P	255.2	—	—	35	16.7	8.2	35	8.3
LG Seeds	LG5650VT2RIB	253.8	—	—	36	16.8	8.1	35	—
Progeny Ag	PGY 9117VT2P	253.7	227.4	231.2	38	16.8	8.2	33	10.5
DeKalb	DKC70-27	253.1	241.7	245.2	41	16.9	8.3	38	—
DeKalb	DKC68-69	251.3	237.3	234.3	34	17.9	7.9	36	—
DeKalb	DKC67-44	250.6	242.4	227.7	37	17.3	8.0	32	1.8
Croplan	CP5370 VT2P	248.3	239.2	—	39	16.5	7.9	33	—
Progeny Ag	PGY 8116SS	247.8	235.9	230.5	33	16.9	8.9	38	—
Great Heart Seed	HT-7425DGVT2P	247.5	237.8	231.2	31	16.5	7.3	36	—
Great Heart Seed	HT-7302VT2P	246.7	229.2	228.3	32	16.7	7.8	35	10.0
Innvictus Seed	MEX1671TRE *	245.9	—	—	39	16.9	8.3	34	3.0
BH Genetics	BH 8820VT2P	245.6	228.5	—	27	17.5	8.6	36	1.5
Local Seed	LC1898 TC	245.2	227.8	—	32	17.2	8.1	31	—
Great Heart Seed	HT7890VT2P	244.3	211.2	—	38	17.9	8.2	35	—
AgriGold	A6544VT2RIB	244.0	234.7	232.9	37	16.3	7.9	35	—
Innvictus Seed	MEX1580VT2P *	243.1	—	—	38	16.4	7.9	35	—
DeKalb	DKC65-99	243.0	230.2	—	32	17.9	8.2	33	—
Gateway Seed	1717 VT2Pro	243.0	—	—	33	18.2	7.6	33	1.8
Local Seed	LC1307TC	242.6	229.4	—	41	16.5	8.2	35	—
LG Seeds	LG5643VT2RIB	242.2	230.3	234.7	47	16.6	8.0	38	1.5
Great Heart Seed	HT7256 DGVT2P	241.0	226.6	—	33	16.4	7.6	35	6.6
Croplan	CP5550VT2P	241.0	228.4	—	40	16.6	8.1	35	—
Local Seed	LC1407 VT2P	240.7	221.6	—	42	16.6	8.0	36	1.6
Dyna-Gro	D58VC65	240.6	220.3	231.3	36	16.8	8.8	33	—
Local Seed	LC1497 DGVT2P	240.5	228.3	—	36	16.6	8.2	36	4.3
Dyna Gro	D54VC14	240.4	—	—	30	16.6	7.9	34	—
LG Seeds	LG68C22VT2RIB	240.3	218.6	219.0	37	16.9	8.3	36	4.7
AgriGold	A6659VT2RIB	240.1	224.2	228.5	30	16.9	7.6	34	3.4
BH Genetics	BH 8721VT2P	239.7	234.6	238.4	37	16.8	7.8	34	12.1
LG Seeds	LG66C44	239.7	227.7	—	42	17.0	8.2	36	—
DeKalb	DKC62-89	238.7	—	—	31	16.7	7.3	31	—
Innvictus Seed	MEX1280DGVT2P *	238.2	—	—	35	16.5	7.2	35	6.3
Progeny Ag	PGY 8116VT2P	237.0	—	—	35	16.7	8.4	35	—
Progeny Ag	PGY 2012VT2P	236.9	210.6	—	30	16.7	7.7	36	—
AgriGold	A645-16VT2PRO	236.8	224.9	227.7	39	17.0	7.9	32	—
LG Seeds	LG5701VT2RIB	235.9	—	—	33	17.0	8.0	36	—
Beck's Hybrids	6374V2P	235.5	—	—	39	16.6	8.5	34	6.9
Progeny Ag	PGY 2025DG	234.7	218.0	—	39	16.4	7.7	36	—
BH Genetics	BH 8966VT2P	233.2	—	—	34	18.1	8.0	35	4.9
Gateway Seed	0916 Tre	232.0	—	—	34	16.8	7.4	31	5.6
Gateway Seed	9714 VT2Pro	231.0	—	—	34	16.7	7.6	32	—
AgriGold	A647-42TRC	230.9	—	—	36	16.5	8.3	34	10.2
DeKalb	DKC66-18	230.4	211.4	223.1	36	16.8	7.6	36	1.6
Augusta Seed	A4467	229.7	—	—	39	16.7	7.4	34	3.4
MorCorn	MC 4311	229.3	—	—	36	16.4	8.0	35	6.7
Progeny Ag	PGY 2118VT2P	227.6	206.4	—	36	17.9	8.1	33	—
DeKalb	DKC69-99	227.2	229.8	—	37	17.6	8.1	35	—
Local Seed	LC1919 VT2P	226.7	—	—	33	17.6	8.8	36	2.8
Great Heart Seed	HT-7337VT2P	225.1	220.9	—	35	16.3	8.0	34	1.7
Dyna-Gro	D52VC63	225.0	—	—	38	16.6	8.4	34	1.7
Dyna-Gro	D55VC80	225.0	216.4	216.9	43	17.0	8.2	36	—
Progeny Ag	PGY EXP116VT2P *	224.7	—	—	33	17.8	7.9	36	—
Augusta Seed	A1367	224.5	226.0	224.0	33	17.1	8.1	35	5.0
Dyna-Gro	D54VC34	224.2	—	—	35	16.6	8.8	33	—
MorCorn	MC 4725	224.0	221.6	230.4	36	16.8	7.9	32	7.3
Local Seed	LC1506 VT2P	223.6	209.8	—	33	16.6	8.5	32	7.3
Local Seed	LC1616 TC	220.9	—	—	40	17.0	8.4	34	1.7
Beck's Hybrids	6557V2P	219.3	—	—	39	16.7	8.7	34	6.9
Gateway Seed	X1719 VT2Pro	219.1	—	—	32	17.4	7.5	34	—

¹Hybrid followed by an asterisk indicates an experimental entry.

Table 16 (continued). Results from 73 corn hybrids grown with furrow irrigation on a Bosket very fine sandy loam soil at the MAFES Delta Branch, Stoneville, 2021.

Brand name	Hybrid¹	2021 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population	Stalk lodging
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>	<i>%</i>
Croplan	CP5497VT2P	217.2	—	—	38	16.8	8.0	30	6.4
Local Seed	LC1707 VT2P	215.6	204.1	—	42	18.2	8.2	34	1.7
Local Seed	LC1987 VT2P	215.3	213.4	211.9	40	16.6	7.9	34	—
AgriGold	A647-35-5222	215.2	—	—	38	17.2	8.3	36	—
Progeny Ag	PGY 2015VT2P	212.8	196.6	—	27	16.8	8.5	34	—
Augusta Seed	A4565	203.0	215.9	219.4	41	17.1	8.6	35	10.8
Mean		238.1							
CV		7.8							
LSD (0.05)		26.0							
R ²		43.0							
Error DF		219.0							

¹Hybrid followed by an asterisk indicates an experimental entry.

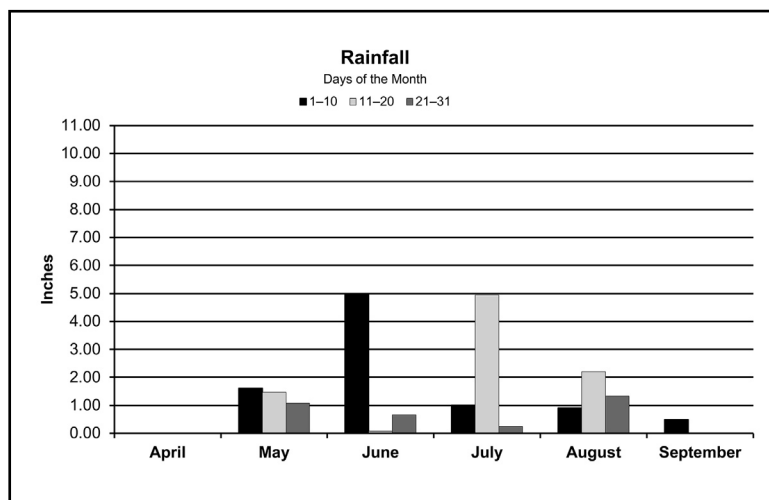
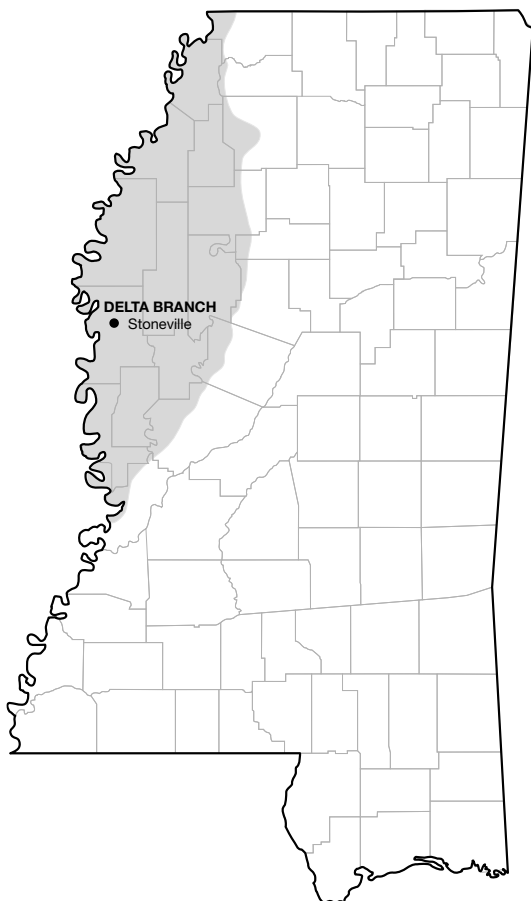
DELTA BRANCH, STONEVILLE (LOAM) NONIRRIGATED

Crop Summary

Plots were planted in late March into a seedbed with good soil moisture. Beds were drug down with a do-all just prior to planting. The plots had to be replanted on April 13 due to extensive damage observed to some plots

as a result of bird feeding. After replanting, all plots quickly emerged to a stand. Timely rainfall throughout the season, in combination with irrigation, supplied soil moisture. 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 13**
 Preplant — 21-0-0-24S @ 100 lb/A
 Sidedress — 32% UAN @ 120 units on April 6 and 32% UAN @ 120 units on May 17
 Herbicide**Preemergence — Gramoxone @ 32 oz/A, Atrazine @ 32 oz/A, and Corvus @ 5 oz/A on April 13**
 Previous crop ...**Soybean**
 Planting date ...**March 22, replanted on April 13**
 Harvest date ...**September 13**



Rainfall Summary

	Inches
April .....	.000
May .....	.416
June .....	.569
July .....	.621
August .....	.445
September .....	.049
Total .....	.2100

**Table 17. Results from 58 corn hybrids grown without irrigation on a
Basket very fine sandy loam soil at the MAFES Delta Branch, Stoneville, 2021.**

Brand name	Hybrid ¹	2021 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population	Stalk lodging
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>	<i>%</i>
Local Seed	LC1898 TC	240.9	229.4	—	39	17.1	8.9	29	—
AgriGold	A647-42TRC	238.2	—	—	43	16.8	8.6	31	—
AgriGold	A6659 VT2 RIB	235.7	230.7	226.9	31	17.0	7.9	30	—
Croplan	CP5550VT2P	231.2	215.6	—	38	17.0	8.2	35	—
Croplan	CP5370 VT2P	230.6	214.5	—	37	16.7	8.6	27	—
Great Heart Seed	HT-7302VT2P	230.1	215.6	—	41	17.0	7.9	33	—
Progeny Ag	PGY 9117VT2P	227.5	206.7	210.9	39	17.2	8.3	29	—
Progeny Ag	PGY 9114VT2P	226.7	218.1	224.0	38	16.9	7.5	35	—
Progeny Ag	PGY 8116SS	225.2	207.8	209.5	28	17.1	8.4	37	—
Progeny Ag	PGY EXP115TRE *	224.8	—	—	38	17.6	7.2	37	—
Local Seed	LC1577 VT2P	223.7	217.1	218.4	42	16.7	7.9	34	—
MorCorn	MC 4311	222.4	—	—	37	16.6	7.7	34	1.8
Local Seed	LC1307TC	221.1	—	—	41	16.6	9.0	30	—
DeKalb	DKC68-69	218.9	211.1	219.6	27	18.6	8.2	36	—
Dyna Gro	D57VC51	218.9	212.0	213.2	41	17.0	8.7	31	2.0
DeKalb	DKC70-27	218.1	214.5	219.4	38	17.5	8.3	36	6.9
LG Seeds	LG5643VT2RIB	217.6	216.5	—	35	16.7	8.2	35	1.8
Dyna-Gro	D54VC34	217.0	—	—	42	16.6	9.1	27	—
MorCorn	MC 4670	216.5	209.3	—	32	16.9	7.8	28	—
MorCorn	MC 4725	216.4	202.9	211.9	35	17.2	7.2	35	1.8
DeKalb	DKC65-99	216.2	202.3	—	40	17.5	8.0	29	—
Local Seed	LC1506 VT2P	215.7	210.4	—	36	16.8	7.6	28	—
Dyna Gro	D54VC14	215.6	—	—	35	16.7	8.0	30	—
AgriGold	A645-16VT2PRO	214.3	211.1	217.1	39	17.2	8.4	35	1.8
AgriGold	A6544VT2RIB	213.9	212.3	219.7	40	16.6	8.3	34	5.6
DeKalb	DKC69-99	213.5	209.4	—	38	17.7	7.9	30	—
Dyna-Gro	D58VC65	213.5	201.6	205.0	32	16.9	8.3	30	—
Croplan	CP5497VT2P	212.9	—	—	33	16.8	7.8	37	5.0
Local Seed	LC1616 TC	212.6	—	—	37	17.0	8.9	28	—
Local Seed	LC1707 VT2P	211.9	207.4	—	40	18.3	8.0	29	—
Great Heart Seed	HT-7337VT2P	211.2	209.9	—	41	16.6	8.6	36	3.4
DeKalb	DKC62-89	207.6	—	—	38	16.8	8.4	31	—
Innervictus Seed	MEX1280DGV2P *	207.5	—	—	38	16.5	8.1	30	2.1
Local Seed	LC1987 VT2P	207.4	201.4	207.2	37	16.9	8.1	29	—
Local Seed	LC1407 VT2P	207.4	199.1	—	34	16.6	7.8	31	—
Progeny Ag	PGY 2118VT2P	207.3	—	—	39	18.3	7.5	31	—
Local Seed	LC1919 VT2P	206.9	—	—	28	17.8	7.6	34	—
Progeny Ag	PGY 2015VT2P	206.2	187.7	—	29	16.9	8.1	37	3.4
DeKalb	DKC67-94	205.5	—	—	34	17.7	7.3	34	1.8
Dyna-Gro	D52VC63	205.3	—	—	41	16.9	8.3	27	—
DeKalb	DKC67-44	205.0	210.3	213.2	34	17.6	7.8	32	—
Progeny Ag	PGY 8116VT2P	203.6	—	—	38	17.2	8.2	35	—
DeKalb	DKC66-18	203.5	190.9	204.3	40	17.0	8.4	37	—
AgriGold	A645-80-3110	202.9	—	—	35	16.8	8.5	33	7.5
Pioneer	P1464VYHR	199.6	213.2	222.7	43	16.7	9.3	34	—
Pioneer	P1077YHR	199.2	200.9	—	40	17.2	7.5	33	—
Local Seed	LC1497 DGV2P	198.2	201.7	—	41	16.6	8.1	30	—
LG Seeds	LG64C30TRCRIB	197.4	—	—	38	17.1	7.8	35	—
LG Seeds	LG5650VT2RIB	196.6	—	—	33	16.8	7.5	35	1.8
Innervictus Seed	MEX1671TRE *	195.9	—	—	36	17.3	7.8	37	—
Progeny Ag	PGY EXP116VT2P *	194.1	—	—	41	18.1	8.7	34	—
Dyna-Gro	D55VC80	191.7	—	—	27	17.0	8.0	30	—
Progeny Ag	PGY 2025DG	188.2	189.3	—	43	15.6	8.9	31	2.0
LG Seeds	LG5701VT2RIB	187.7	—	—	46	16.9	8.2	30	—
Great Heart Seed	HT7890VT2P	186.1	170.5	—	29	18.9	6.6	30	6.1
LG Seeds	LG66C44	185.8	194.9	—	25	17.5	6.5	32	—
Innervictus Seed	MEX1580VT2P *	184.9	—	—	34	16.7	8.1	29	0.0
Dyna-Gro	D58VC22	178.2	—	—	33	16.7	8.7	35	5.4
Mean		210.6							
CV		8.9							
LSD (0.05)		26.4							
R ²		42							
Error DF		174							

¹Hybrid followed by an asterisk indicates an experimental entry.

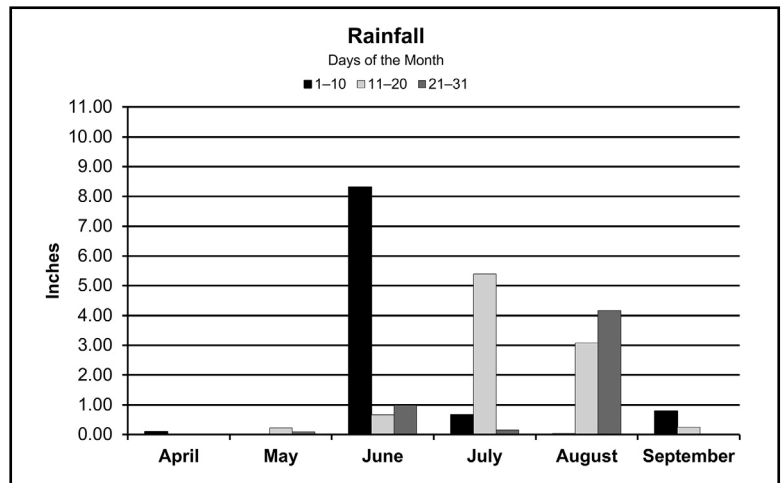
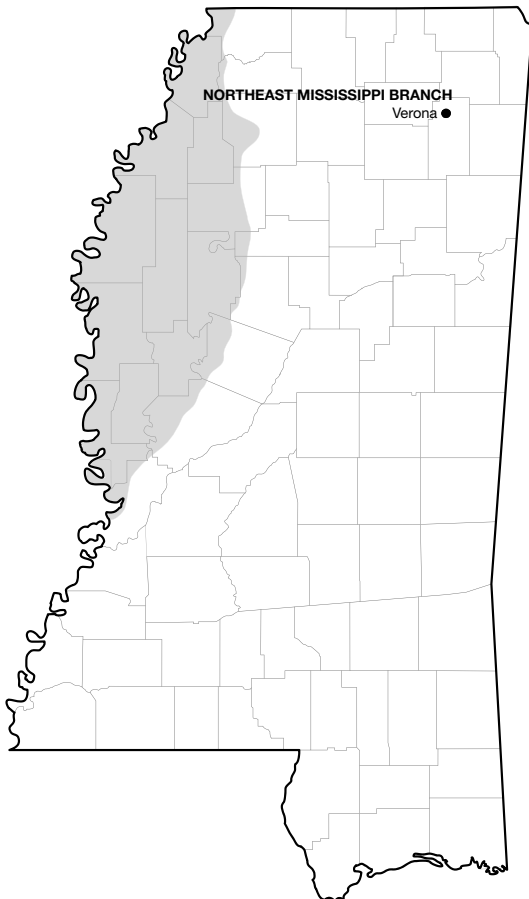
MAFES NORTHEAST MISSISSIPPI BRANCH, VERONA

Crop Summary

The corn plots were planted on April 5 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 for this dryland location. Harvest was completed in a timely manner without difficulty.

Soil typeLeeper silty clay
 Soil pH6.1
 Soil fertilityP=M, K=M
 FertilizerAt planting – 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on April 5
 Topdress – N @ 21 lb/A (21-0-0-24S) on April 22 and N @ 180 lb/A (33-0-0-12S) on May 25
 HerbicidePreemergence – Gramoxone @ 1 qt/A and Corvus @ 5 oz/A on April 5
 Postemergence – Roundup PowerMax @ 32 oz/A and Acuron @ 2 qt/A on May 25
 Previous crop ...Soybean
 Planting date ...April 5
 Harvest date ...September 14



Rainfall Summary

	Inches
April .....	.012
May .....	.032
June .....	.998
July .....	.623
August .....	.728
September .....	.104
Total .....	.2497

Table 18. Results from 58 corn hybrids grown without irrigation on a Leeper silty clay loam soil at the MAFES Northeast Mississippi Branch, Verona, 2021.

Brand name	Hybrid ¹	2021 yield	2-year average	3-year average	Ear height	Moisture content	Plant height	Harvested population
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>
Dyna Gro	D57VC51	237.2	214.6	211.3	7.5	18.2	7.5	33
Progeny Ag	PGY EXP115TRE *	228.6	—	—	6.9	18.8	6.9	34
Local Seed	LC1307TC	219.1	—	—	8.2	16.9	8.2	29
Local Seed	LC1506 VT2P	218.1	200.6	—	7.6	17.6	7.6	34
Croplan	CP5370 VT2P	217.8	203.6	—	7.2	17.3	7.2	29
Dyna-Gro	D58VC65	213.0	192.2	194.7	7.4	18.0	7.4	33
AgriGold	A6659 VT2 RIB	212.5	195.3	200.8	6.9	18.0	6.9	35
LG Seeds	LG5643VT2RIB	211.3	194.1	—	7.7	17.2	7.7	31
DeKalb	DKC68-69	211.0	203.3	201.8	7.6	18.6	7.6	32
MorCorn	MC 4311	209.5	—	—	6.9	15.6	6.9	29
MorCorn	MC 4725	207.1	201.9	208.3	6.9	18.1	6.9	35
LG Seeds	LG64C30TRCRIB	206.7	—	—	7.0	18.6	7.0	32
Croplan	CP5550VT2P	205.3	191.6	—	7.1	17.4	7.1	29
AgriGold	A645-80-3110	204.7	—	—	7.1	17.9	7.1	32
Local Seed	LC1616 TC	204.4	—	—	7.9	18.6	7.9	31
Dyna-Gro	D52VC63	204.0	—	—	7.6	17.2	7.6	35
Pioneer	P1464VYHR	203.5	192.2	198.5	7.4	17.3	7.4	30
Progeny Ag	PGY 8116SS	201.3	200.9	207.1	7.3	18.2	7.3	34
Local Seed	LC1987 VT2P	200.8	193.9	197.4	7.4	18.2	7.4	30
LG Seeds	LG66C44	200.5	194.7	—	7.6	18.7	7.6	35
LG Seeds	LG5701VT2RIB	199.4	—	—	7.7	18.2	7.7	29
Local Seed	LC1898 TC	199.4	190.6	—	7.3	18.4	7.3	30
DeKalb	DKC67-94	199.2	—	—	6.8	18.3	6.8	36
DeKalb	DKC67-44	198.9	198.7	199.4	7.9	18.8	7.9	30
AgriGold	A6544VT2RIB	198.0	187.7	193.1	7.1	17.5	7.1	35
Innvictus Seed	MEX1280DGV2P *	197.4	—	—	7.5	17.4	7.5	27
Local Seed	LC1407 VT2P	197.3	188.5	—	7.2	17.1	7.2	34
Progeny Ag	PGY EXP116VT2P *	196.3	—	—	7.0	18.5	7.0	35
DeKalb	DKC65-99	195.5	200.3	—	7.5	18.8	7.5	29
LG Seeds	LG5650VT2RIB	195.3	—	—	7.3	17.9	7.3	36
Progeny Ag	PGY 2025DG	195.1	190.4	—	7.0	17.8	7.0	30
Dyna-Gro	D58VC22	194.8	—	—	7.6	17.6	7.6	30
DeKalb	DKC62-89	193.9	—	—	7.2	17.1	7.2	30
Local Seed	LC1707 VT2P	193.9	197.6	—	7.5	19.0	7.5	29
Progeny Ag	PGY 9114VT2P	193.6	186.7	198.5	7.0	17.9	7.0	35
Progeny Ag	PGY 9117VT2P	193.5	188.1	197.7	6.9	18.1	6.9	34
DeKalb	DKC69-99	193.4	194.5	—	7.2	18.9	7.2	31
DeKalb	DKC70-27	192.8	198.8	203.5	7.3	18.1	7.3	36
AgriGold	A645-16VT2PRO	192.1	187.0	197.9	7.2	19.0	7.2	34
Dyna Gro	D54VC14	191.9	—	—	7.2	17.5	7.2	29
Progeny Ag	PGY 2118VT2P	191.7	—	—	7.2	19.4	7.2	35
Great Heart Seed	HT-7302VT2P	190.8	184.6	—	7.3	17.5	7.3	31
Progeny Ag	PGY 2015VT2P	190.5	175.2	—	7.1	18.5	7.1	35
Great Heart Seed	HT-7337VT2P	190.0	190.3	—	7.7	17.2	7.7	31
Local Seed	LC1577 VT2P	188.8	191.3	190.4	7.4	17.5	7.4	31
Local Seed	LC1919 VT2P	188.6	—	—	7.9	18.9	7.9	29
Innvictus Seed	MEX1580VT2P *	187.8	—	—	7.8	17.7	7.8	32
Great Heart Seed	HT7890VT2P	187.2	188.9	—	7.7	19.2	7.7	34
Dyna-Gro	D55VC80	187.0	—	—	8.0	19.1	8.0	32
AgriGold	A647-42TRC	185.6	—	—	7.4	17.9	7.4	29
MorCorn	MC 4670	185.4	187.1	—	7.0	17.8	7.0	34
Pioneer	P1077YHR	184.2	175.0	—	7.6	18.5	7.6	30
Progeny Ag	PGY 8116VT2P	184.1	—	—	7.3	18.3	7.3	34
DeKalb	DKC66-18	183.0	183.5	190.7	7.8	17.6	7.8	35
Innvictus Seed	MEX1671TRE *	182.7	—	—	7.4	18.3	7.4	36
Croplan	CP5497VT2P	179.1	—	—	7.0	17.8	7.0	34
Dyna-Gro	D54VC34	177.7	—	—	7.8	18.0	7.8	32
Local Seed	LC1497 DGV2P	174.3	186.1	—	7.6	17.5	7.6	30
Mean		197.7						
CV		8						
LSD (0.05)		25.76						
R ²		46						
Error DF		116						

¹Hybrid followed by an asterisk indicates an experimental entry.

**Table 19. Characteristics provided by sponsoring companies
for corn hybrids entered in the Mississippi Corn for Grain Hybrid Trials, 2021.**

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 5381 Akin Road St. Francisville, IL 62460 618-292-5844	AgriGold	A6544VT2RIB	x			x						Poncho 500/Votivo	113	34
	AgriGold	A645-16VT2RIB	x			x						Poncho 500/Votivo	115	34
	AgriGold	A6659VT2RIB	x			x						Poncho 500/Votivo	116	34
	AgriGold	A647-42TRC	x			x				x		Poncho 500/Votivo	117	34
	AgriGold	A647-35-5222	x	x						x		Poncho 500/Votivo	117	34
	AgriGold	A6544VT2RIB	x			x						Poncho 500/Votivo	113	32
	AgriGold	A645-16VT2RIB	x			x						Poncho 500/Votivo	115	32
	AgriGold	A6659VT2RIB	x			x						Poncho 500/Votivo	116	32
	AgriGold	A647-42TRC	x			x				x		Poncho 500/Votivo	117	32
	AgriGold	A645-80-3110	x	x						x			115	32
Augusta Seed P.O. Box 899 Verona, VA 24482 540-886-6055	Augusta Seed	A4467	x								3220GT	Cruiser 1250	117	36
	Augusta Seed	A4565	x								3220GT	Cruiser 1250	113	38
	Augusta Seed	A1367	x								3220GT	Cruiser 1250	117	36
BH Genetics 5933 FM 1157 Garado, TX 77962 361-771-2755	BH Genetics	BH 8721VT2P			x							P/V 500	117	35
	BH Genetics	BH 8820VT2P(X18053VT2P)			x							P/V 500	118	35
	BH Genetics	BH 8966VT2P			x							P/V 500	119	35
Croplan	Croplan	CP5370VT2P	x		x							Vortivent Plus	113	34
	Croplan	CP5497VT2P	x		x							Vortivent Plus	114	32
	Croplan	CP5550VT2P	x		x							Vortivent Plus	115	34
	Croplan	CP5370VT2P	x		x							Vortivent Plus	113	32
	Croplan	CP5497VT2P	x		x							Vortivent Plus	114	30
	Croplan	CP5550VT2P	x		x							Vortivent Plus	115	32
Bayer Crop Science 800 Lindbergh Blvd. St. Louis, MO 63167 601-317-2661	DEKALB	DKC62-89							x			Poncho/Votivo	112	34
	DEKALB	DKC65-99							x			Poncho/Votivo	115	34
	DEKALB	DKC66-18			x							Poncho/Votivo	116	34
	DEKALB	DKC67-94							x			Poncho/Votivo	117	34
	DEKALB	DKC67-44			x							Poncho/Votivo	117	34
	DEKALB	DKC68-69			x							Poncho/Votivo	118	34
	DEKALB	DKC69-99							x			Poncho/Votivo	119	34
	DEKALB	DKC70-27			x							Poncho/Votivo	120	34
Dyna Gro	Dyna-Gro	D52VC63			x							Poncho 500	112	34
	Dyna-Gro	D54VC14			x							Poncho 500	114	34
	Dyna-Gro	D54VC34			x							Poncho 500	114	34
	Dyna-Gro	D55VC80			x							Poncho 500	115	34
	Dyna-Gro	D57VC51			x							Poncho 500	117	36
	Dyna-Gro	D58VC65			x							Poncho 500	118	34
	Dyna-Gro	D52VC63			x							Poncho 500	112	28
	Dyna-Gro	D54VC14			x							Poncho 500	114	28
	Dyna-Gro	D54VC34			x							Poncho 500	114	28
	Dyna-Gro	D55VC80			x							Poncho 500	115	28
	Dyna-Gro	D57VC51			x							Poncho 500	117	30
	Dyna-Gro	D58VC65			x							Poncho 500	118	28
	Dyna-Gro	D58VC22			x							Poncho 500	118	28
	Great Heart Seed 220 West Washington St. Paris, IL 61944 217-465-4132	Great Heart Seed	HT-7890VT2P			x							Acceleron 500	118	38
Great Heart Seed		HT-7337VT2P			x							Acceleron 500	113	38
Great Heart Seed		HT-7302VT2P			x							Acceleron 500/ Votivo	113	38
Great Heart Seed		HT-7425DGV2P			x					DG		Acceleron 500/ Votivo	114	38
Great Heart Seed		HT-7256DGV2P			x					DG		Acceleron 500/ Votivo	112	38
Great Heart Seed		HT-7890VT2P			x							Acceleron 500	118	34
Great Heart Seed		HT-7337VT2P			x							Acceleron 500	113	34
Great Heart Seed		HT-7302VT2P			x							Acceleron 500/ Votivo	113	34
LG Seeds 1122 E. 169th St. Westfield, IN 46074 812-457-3132	LG Seeds	5643			x							AgriShield MAX	114	36
	LG Seeds	5650			x							AgriShield MAX	115	38
	LG Seeds	66C44			x							AgriShield MAX	116	38
	LG Seeds	5701			x							AgriShield MAX	116	36
	LG Seeds	68C22			x							AgriShield MAX	118	38
	LG Seeds	64C30									Trecepta	AgriShield MAX	114	32
	Local Seed Company 802 Rozelle St. Memphis, TN 38104 570-419-3692	Local Seed	LC1307TC(LCX13-20TC)	x			x				x		Radius 500	113	34
Local Seed		LC1497 DGV2P	x			x						Radius 500	114	36
Local Seed		LC 1407 VT2P(LCX14-20)	x			x						Radius 500	114	36
Local Seed		LC1506 VT2P(LCX15-20)	x			x						Radius 500	115	32
Local Seed		LC1577 VT2P	x			x						Radius 500	115	36
Local Seed		LC1616 TC	x			x				x		Radius 500	116	34
Local Seed		LC1707 VT2P(LCX17-21)	x			x						Radius 500	117	34
Local Seed		LC1898 TC	x			x				x		Radius 500	118	34
Local Seed		LC1987 VT2P	x			x						Radius 500	119	34
Local Seed		LC1919 VT2P	x			x						Radius 500	119	36
Local Seed		LC1307TC(LCX13-20TC)	x			x				x		Radius 500	113	32
Local Seed		LC1497 DGV2P	x			x						Radius 500	114	34
Local Seed		LC 1407 VT2P(LCX14-20)	x			x						Radius 500	114	34
Local Seed		LC1506 VT2P(LCX15-20)	x			x						Radius 500	115	30
Local Seed		LC1577 VT2P	x			x						Radius 500	115	34
Local Seed		LC1616 TC	x			x				x		Radius 500	116	32
Local Seed		LC1707 VT2P(LCX17-21)	x			x						Radius 500	117	32
Local Seed		LC1898 TC	x			x				x		Radius 500	118	32
Local Seed		LC1987 VT2P	x			x						Radius 500	119	32
Local Seed		LC1919 VT2P	x			x						Radius 500	119	34

Table 19 (continued). Characteristics provided by sponsoring companies for corn hybrids entered in the Mississippi Corn for Grain Hybrid Trials, 2021.

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
SeedKoz 1725 Windward Concourse Suite 410 Alpharetta, GA 30005 478-957-9865	MorCom	MC 4311 (SKP0113)	x								Trecepta	Accleron 1250	113	36
	MorCom	MC 4670	x								Trecepta	Accleron 1250	116	36
	MorCom	MC 4725	x			x						Accleron 1250	117	36
Dupont Pioneer 7250 NW 62nd Ave. Johnston, IA 50131 662-782-9958	Pioneer	P1077YHR	x							x		Lumivia 250, Lumisure 250, Lumialza	110	34
	Pioneer	P1464YHR	x							x	x	Lumivia 250, Lumisure 250, Lumialza	114	34
	Pioneer	P1870YHR	x								x	Lumivia 250, Lumisure 250, Lumialza	118	36
	Pioneer	P2042YHR	x							x	x	Lumivia 250, Lumisure 250, Lumialza	120	34
Progeny AG Products 1529 Hwy. 193 Wynne, AR 72396 979-587-9966	Progeny Ag.	PGY 2012VT2P				x						PV 1250, EDC	112	38
	Progeny Ag.	PGY EXP115TRE									x	PV 1250, EDC	115	35
	Progeny Ag.	PGY 2015VT2P				x						PV 1250, EDC	115	35
	Progeny Ag.	PGY EXP116VT2P				x						PV 1250, EDC	116	35
	Progeny Ag.	PGY 8116SS						x				PV 1250, EDC	116	35
	Progeny Ag.	PGY 8116VT2P				x						PV 1250, EDC	116	35
	Progeny Ag.	PGY 9117VT2P				x						PV 1250, EDC	117	35
	Progeny Ag.	PGY 2118VT2P (EXP 2018SS)				x						PV 1250, EDC	118	35
	Progeny Ag.	PGY 2025DGV2P				x					x	PV 1250, EDC	115	35
	Progeny Ag.	PGY 9114VT2P				x						PV 1250, EDC	114	32
	Progeny Ag.	PGY EXP115TRE									x	PV 1250, EDC	115	32
	Progeny Ag.	PGY 2015VT2P				x						PV 1250, EDC	115	32
	Progeny Ag.	PGY EXP116VT2P				x						PV 1250, EDC	116	32
	Progeny Ag.	PGY 8116SS						x				PV 1250, EDC	116	32
	Progeny Ag.	PGY 8116VT2P				x						PV 1250, EDC	116	32
	Progeny Ag.	PGY 9117VT2P				x						PV 1250, EDC	117	32
	Progeny Ag.	PGY 2118VT2P (EXP 2018SS)				x						PV 1250, EDC	118	32
Progeny Ag.	PGY 2025DGV2P				x						x	PV 1250, EDC	115	32
Beck's Hybrids	Beck's Hybrids	6374V2P	x			x						Escalate Nemasect, Poncho 500/Votivo+2.0	113	36
	Beck's Hybrids	6414V2P	x			x						Escalate Nemasect, Poncho 500/Votivo+2.0	114	36
	Beck's Hybrids	6557V2P	x			x						Escalate Nemasect, Poncho 500/Votivo+2.0	115	36
	Beck's Hybrids	6743AML	x	x		x					AcreMax Leptra	Escalate Nemasect, Poncho 500/Votivo+2.0	117	36
	Beck's Hybrids	6743AML	x	x		x						Escalate Nemasect, Poncho 500/Votivo+2.0	117	36
Gateway Seed	Gateway Seed	0916 Tre	x								Trecepta	Poncho 500	116	34
	Gateway Seed	9714 VT2Pro	x			x						Poncho 500	114	34
	Gateway Seed	1717 VT2Pro	x			x						Poncho 500	117	34
	Gateway Seed	X1719 VT2Pro	x			x						Poncho 500	119	34
Innkvictus Seed	Innkvictus Seed	MEX1280DGV2P				x					DG	Poncho/Votivo 500	112	36
	Innkvictus Seed	MEX1580VT2P				x						Poncho/Votivo 500	115	36
	Innkvictus Seed	MEX1671TRE									Trecepta	Poncho/Votivo 500	116	36



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Scott Willard, Director

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