

# MISSISSIPPI CORN FOR GRAIN HYBRID TRIALS, 2022

Information Bulletin 574 • February 2023



MISSISSIPPI'S OFFICIAL VARIETY TRIALS



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MS AGRICULTURAL AND  
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Partial funding for this project was provided by the Mississippi Corn Promotion Board.

## NOTE TO USER

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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 4-5 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, code numbers, chemical names, etc.) of varieties or products used in this research project are listed on pages 4-5.



# Mississippi Corn for Grain Hybrid Trials, 2022

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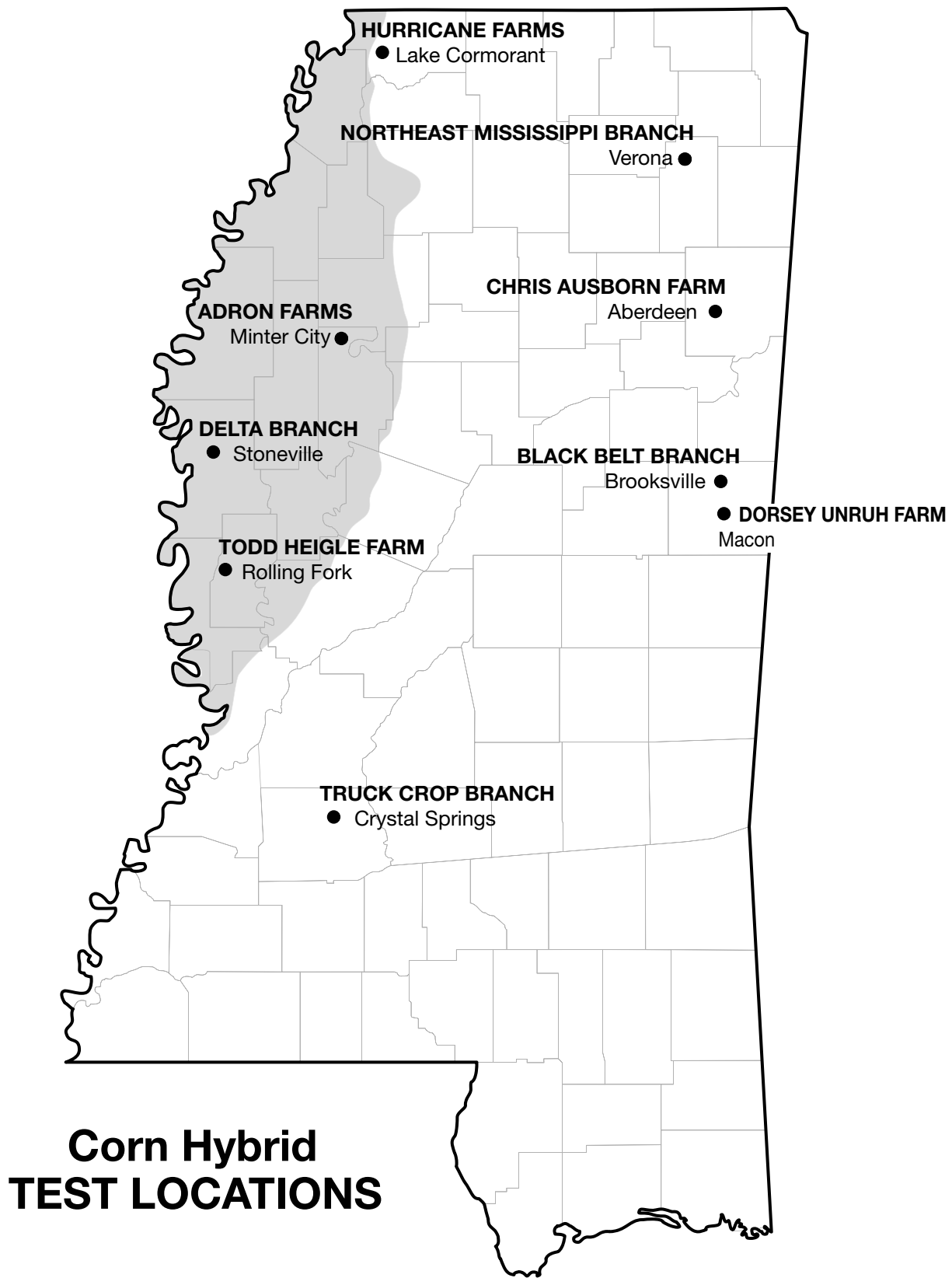
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This document was approved for publication as Information Bulletin 574 of the Mississippi Agricultural and Forestry Experiment Station. It was published by the Office of Agricultural Communications, a unit of the Mississippi State University Division of Agriculture, Forestry, and Veterinary Medicine.

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Find variety trial information online at [mafes.msstate.edu/variety-trials](http://mafes.msstate.edu/variety-trials).



# Mississippi Corn for Grain Hybrid Trials, 2022

## 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. 2022 corn hybrid trials location summary.**

Location	Soil type	Irrigation	Planting date	Harvest date	Row spacing
Aberdeen, Chris Ausborn Farm	Houston clay	Not Irrigated	4/26	9/10	30"
Brooksville, Black Belt Station	Brooksville silty clay	Not Irrigated	3/28	8/16	30"
Crystal Springs, Truck Crops Branch Station	Providence silt loam	Not Irrigated	3/28	9/6	30"
Lake Cormorant, Hurricane Farms	Dundee very fine sandy loam	Irrigated	5/18	10/3	30"
Macon, Dorsey Unruh Farm	Brooksville and Vaiden silty clay	Irrigated	4/25	9/1	30"
Minter City, Adron Farms	Dundee loam & Tensas silty clay loam	Irrigated	4/8	9/1	30"
Rolling Fork, Todd Heigle Farm	Commerce silty clay loam	Irrigated	3/29	8/31	30"
Stoneville (clay), Delta Branch Station	Commerce silty clay loam	Irrigated	3/29	9/2	30"
Stoneville (loam), Delta Branch Station	Bosket very fine sandy loam	Irrigated	3/29	8/19	30"
Stoneville (loam), Delta Branch Station	Bosket very fine sandy loam	Not Irrigated	3/29	8/19	30"
Verona, Northeast MS Branch Station	Leeper silty clay loam	Not Irrigated	4/4	8/18	30"

**Table 2. 2022 corn hybrid yield summary for dryland locations.**

Brand	Hybrid	Aberdeen hills (clay)	Brooksville hills (clay)	Crystal Springs (loam)	Stoneville delta (loam)	Verona hills (loam)	Overall average
AgriGold	A643-52VT2RIB	133.0	118.6	230.5	234.3	166.4	176.6
AgriGold	A645-16VT2PRO	145.7	117.2	242.9	177.9	182.4	173.2
AgriGold	A647-79VT2PRO	126.8	114.8	224.3	198.0	175.0	167.8
AgriGold	A650-21VT2PRO	148.9	116.0	235.2	156.6	181.1	167.6
DeKalb	DKC62-70	144.2	133.1	237.3	191.6	158.0	172.8
DeKalb	DKC65-99	138.1	131.1	197.6	184.3	171.5	164.5
DeKalb	DKC66-06	135.9	105.3	229.8	184.4	166.0	164.3
DeKalb	DKC68-35	139.6	108.5	230.1	189.9	179.6	169.5
DeKalb	DKC68-69	150.1	122.3	228.7	186.7	173.3	172.2
DeKalb	DKC69-99	140.7	120.6	192.1	181.8	161.6	159.4
DeKalb	DKC70-27	126.0	99.8	227.4	153.1	185.9	158.4
DeKalb	DKC70-45	140.2	144.4	196.4	202.2	177.0	172.1
Dyna-Gro	D52VC63	125.1	106.3	225.9	155.9	158.0	154.2
Dyna-Gro	D54VC14	144.1	137.4	234.6	207.7	175.8	179.9
Dyna-Gro	D55VC80	146.5	129.4	199.9	135.5	176.4	157.5
Dyna-Gro	D57CV53	134.6	129.0	223.5	146.8	181.1	163.0
Dyna-Gro	D57VC51	139.0	117.3	202.4	188.4	149.5	159.3
Dyna-Gro	D58VC65	136.0	115.9	249.5	210.3	156.5	173.6
Gateway Seed	1717 VT2Pro	133.7	120.3	214.7	193.3	177.2	167.8
Gateway Seed	2716	135.7	131.4	219.6	184.8	194.1	173.1
Gateway Seed	9714 VT2Pro	129.6	120.8	205.2	196.6	163.0	163.1
Great Heart Seed	HT-7302VT2P	163.5	108.9	210.9	185.0	155.3	164.7
Great Heart Seed	HT-7499TRE	125.3	103.1	218.9	174.2	146.1	153.5
Great Heart Seed	HT-7541TRE	139.5	117.0	217.6	174.3	179.5	165.6
LG Seeds	66C06	128.6	101.5	253.4	193.0	167.5	168.8
LG Seeds	67C07	153.8	117.1	202.5	180.9	197.4	170.4
LG Seeds	69C03	138.8	104.3	225.5	171.8	191.5	166.4
LG Seeds	LG66C44	129.1	110.9	186.1	182.6	127.5	147.2
MorCorn	MC 4311	141.3	117.2	192.3	193.1	166.4	162.1
MorCorn	MC 4527	144.5	113.8	209.1	158.8	199.5	165.1
MorCorn	MC 4725	137.0	111.8	230.4	209.6	157.3	169.2
Progeny Ag	2215TRE	148.1	141.6	232.4	209.9	176.1	181.6
Progeny Ag	2216VT2P	136.5	104.3	221.8	175.1	158.7	159.3
Progeny Ag	PGY 2118VT2P	141.4	115.6	219.2	154.1	199.0	165.9
Progeny Ag	PGY 9114VT2P	125.5	122.7	215.7	154.9	183.9	160.5
Progeny Ag	PGY 9117VT2P	137.2	116.4	205.8	172.9	176.8	161.8
Progeny Ag	PGY2015VT2P	150.7	123.3	224.5	204.1	186.8	177.9
Revere Seed	1307TC	138.1	113.6	215.4	213.2	179.0	171.9
Revere Seed	1525V	156.6	104.8	229.3	174.7	167.3	166.5
Revere Seed	1577VT2	145.8	115.7	235.0	167.7	185.4	169.9
Revere Seed	1627TC	160.1	123.9	241.9	185.3	201.4	182.5
Revere Seed	1707 VT2P	143.0	122.8	236.2	175.0	196.0	174.6
Revere Seed	1898 TC	142.7	117.2	217.3	227.0	176.8	176.2
Revere Seed	1919VT2P	156.1	140.8	222.4	188.6	177.7	177.1
Mean		140.4	118.4	220.7	183.8	174.1	167.5
CV		11.4	14.5	12.3	20.0	15.0	
LSD (0.05)		22.5	24.0	3.7	52.0	38.0	
R <sup>2</sup>		30.8	34.0	28.0	29.0	29.0	
Error DF		132.0	132.0	131.0	132.0	132.0	



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

Brand	Hybrid	Aberdeen hills (clay)	Brooksville hills (clay)	Crystal Springs hills (loam)	Stoneville delta (loam)	Verona hills (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	159.0	162.5	225.9	196.1	187.3	186.2
DeKalb	DKC65-99	152.7	167.0	186.1	200.2	183.5	177.9
DeKalb	DKC68-69	155.7	159.9	204.7	202.8	192.2	183.0
DeKalb	DKC69-99	156.5	164.6	178.8	197.7	177.5	175.0
DeKalb	DKC70-27	145.6	149.8	207.9	185.6	189.3	175.6
Dyna-Gro	D52VC63	146.5	149.8	215.6	180.6	181.0	174.7
Dyna-Gro	D54VC14	155.1	173.7	222.3	211.6	183.8	189.3
Dyna-Gro	D55VC80	160.8	166.0	209.9	163.6	181.7	176.4
Dyna-Gro	D57VC51	167.2	173.6	212.7	203.6	193.3	190.1
Dyna-Gro	D58VC65	163.0	160.7	217.4	211.9	184.8	187.6
Great Heart Seed	HT-7302VT2P	163.2	158.3	218.1	207.6	173.1	184.0
LG Seeds	LG66C44	148.5	151.9	191.9	184.2	164.0	168.1
MorCorn	MC 4311	156.4	166.8	188.5	207.7	187.9	181.5
MorCorn	MC 4725	152.5	170.1	229.7	213.0	182.2	189.5
Progeny Ag	2215TRE	165.6	183.5	233.0	217.3	202.3	200.4
Progeny Ag	2216VT2P	155.1	158.5	223.9	184.6	177.5	179.9
Progeny Ag	PGY 2118VT2P	155.3	166.9	205.3	180.7	195.3	180.7
Progeny Ag	PGY 9114VT2P	154.3	166.9	224.1	190.8	188.7	185.0
Progeny Ag	PGY 9117VT2P	150.9	171.0	222.5	200.2	185.1	186.0
Progeny Ag	PGY2015VT2P	165.7	159.0	199.9	205.2	188.6	183.7
Revere Seed	1307TC	152.2	158.5	203.7	217.2	199.1	186.1
Revere Seed	1577VT2	160.7	158.8	224.4	195.7	187.1	185.3
Revere Seed	1707 VT2P	160.1	171.0	201.7	193.5	195.0	184.3
Revere Seed	1898 TC	155.0	158.3	202.1	233.9	188.1	187.5
Revere Seed	1919VT2P	161.1	168.9	202.3	197.8	183.2	182.7
Overall Mean		156.7	163.8	210.1	199.3	186.1	183.2

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

Brand	Hybrid	Aberdeen hills (clay)	Brooksville hills (clay)	Stoneville delta (loam)	Verona hills (clay)	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	175.4	171.7	200.0	185.5	183.2
DeKalb	DKC65-99	174.2	176.7	196.3	190.7	184.5
DeKalb	DKC68-69	177.9	175.5	202.9	193.3	187.4
DeKalb	DKC69-99	183.9	178.9	200.2	183.5	186.6
DeKalb	DKC70-27	171.2	171.1	194.0	194.5	182.7
Dyna-Gro	D57VC51	182.5	185.8	204.2	192.9	191.3
Dyna-Gro	D58VC65	174.8	170.8	204.5	180.3	182.6
Great Heart Seed	HT-7302VT2P	176.7	169.4	205.4	174.9	181.6
LG Seeds	LG66C44	174.0	168.6	190.8	172.3	176.4
MorCorn	MC 4725	163.5	182.3	205.1	187.0	184.5
Progeny Ag	PGY 9114VT2P	173.4	171.0	197.0	185.8	181.8
Progeny Ag	PGY 9117VT2P	170.9	175.0	195.4	184.3	181.4
Progeny Ag	PGY2015VT2P	175.6	166.6	193.2	179.0	178.6
Revere Seed	1307TC	172.0	178.8	216.1	198.4	191.3
Revere Seed	1577VT2	179.4	171.9	200.6	189.3	185.3
Revere Seed	1707 VT2P	169.8	184.3	196.6	197.1	186.9
Revere Seed	1898 TC	176.8	173.3	228.6	186.0	191.2
Overall Mean		174.8	174.8	201.8	186.8	184.6

**Table 5. 2022 corn hybrid yield summary for irrigated locations.**

Brand	Hybrid <sup>1</sup>	Lake Cormorant delta (loam)	Macon hills (clay)	Minter City delta (loam)	Rolling Fork delta (loam)	Stoneville delta (loam)	Stoneville delta (clay)	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>	<i>bu/A</i>
AgriGold	A643-52VT2RIB	150.6	236.1	192.7	230.2	230.9	235.8	212.7
AgriGold	A645-16VT2PRO	124.5	232.0	222.0	240.6	211.6	237.5	211.4
AgriGold	A646-30VT2PRO	139.2	238.9	195.7	227.3	225.2	244.3	211.8
AgriGold	A647-79VT2PRO	163.3	241.4	215.5	241.3	229.5	250.0	223.5
AgriGold	A650-21VT2PRO	136.0	229.6	221.2	220.5	214.0	230.2	208.6
Augusta Seed	A1367	142.4	228.8	200.6	232.5	217.0	245.7	211.2
Beck's Hybrids	6414V2P	135.5	216.8	223.0	237.0	230.9	225.6	211.5
Beck's Hybrids	6743AML	133.4	212.6	201.0	212.4	203.2	204.9	194.6
Beck's Hybrids	6803V2P	162.1	227.1	202.9	229.8	212.8	231.7	211.1
BH Genetics	X22002VT2P *	160.3	239.2	233.4	253.3	224.7	234.0	224.2
BH Genetics	BH 8721VT2P	143.9	218.3	184.8	238.1	199.9	245.4	205.1
Croplan	CP5497VT2P	154.5	247.8	230.6	248.3	243.1	258.7	230.5
Croplan	CP5550VT2P	151.2	232.5	203.3	246.5	221.0	245.2	216.6
Croplan	CP5678VT2P	152.5	230.0	222.2	236.1	211.4	250.4	217.1
Croplan	X20117C/VT2P *	130.3	214.9	198.8	226.7	215.4	229.1	202.5
DeKalb	DKC62-70	151.8	248.5	241.2	253.4	220.3	254.9	228.3
DeKalb	DKC65-99	151.8	223.4	214.8	267.6	211.8	255.4	220.8
DeKalb	DKC66-06	158.5	242.8	241.7	261.9	247.8	266.6	236.5
DeKalb	DKC68-35	175.0	231.8	229.8	237.2	227.3	252.8	225.7
DeKalb	DKC68-69	152.9	228.8	223.6	258.0	205.7	250.9	220.0
DeKalb	DKC69-99	164.2	230.9	223.3	267.1	230.4	265.9	230.3
DeKalb	DKC70-27	147.9	224.3	225.3	258.4	203.1	257.7	219.5
DeKalb	DKC70-45	178.5	229.0	213.3	265.5	251.3	258.7	232.7
Dyna-Gro	D54VC14	147.2	232.2	219.4	239.8	220.4	252.7	218.6
Dyna-Gro	D57VC51	149.9	240.9	235.7	217.3	212.1	227.6	213.9
Dyna-Gro	D52VC63	157.4	228.7	195.2	222.0	212.0	254.6	211.7
Dyna-Gro	D55VC80	138.1	212.3	216.0	246.5	220.3	242.7	212.7
Dyna-Gro	D57CV53	161.4	235.3	201.5	212.9	204.8	243.0	209.8
Dyna-Gro	D58VC65	174.0	235.2	233.1	252.5	225.3	253.1	228.9
Gateway Seed	1717 VT2Pro	174.7	250.4	199.3	216.6	240.4	244.8	221.1
Gateway Seed	2716	165.1	236.4	218.0	257.9	233.6	281.3	232.0
Gateway Seed	9714 VT2Pro	161.4	208.0	216.8	239.2	217.5	226.3	211.5
Great Heart Seed	HT7256 DGVT2P	142.3	235.6	217.1	259.2	219.4	248.6	220.4
Great Heart Seed	HT-7302VT2P	130.4	230.6	212.2	223.8	210.9	239.7	207.9
Great Heart Seed	HT-7393VT2P	169.0	228.8	204.4	261.7	215.3	255.7	222.5
Great Heart Seed	HT-7425DGVT2P	146.4	227.9	226.4	233.8	221.4	233.6	214.9
Great Heart Seed	HT-7499TRE	173.7	242.2	208.6	265.8	225.9	266.4	230.4
Great Heart Seed	HT-7541TRE	164.6	222.6	217.9	251.9	234.0	245.5	222.8
Innervictis	A1551VT2P	158.6	242.2	225.5	272.5	237.3	256.6	232.1
Innervictis	A1689T	171.0	225.9	218.8	256.0	225.2	260.4	226.2
Innervictis	MEX1791VT2P	150.5	213.6	187.6	269.2	224.4	265.3	218.4
LG Seeds	66C06	142.9	241.2	206.8	236.5	227.8	238.1	215.6
LG Seeds	67C07	150.0	235.7	240.9	247.0	213.6	244.8	222.0
LG Seeds	69C03	140.7	227.5	218.3	251.5	226.8	228.6	215.6
LG Seeds	LG66C44	158.5	227.4	219.3	233.2	233.1	254.9	221.1
MorCorn	MC 4311	144.8	212.2	229.9	235.0	209.3	235.8	211.2
MorCorn	MC 4527	146.0	244.5	253.4	262.5	251.1	247.7	234.2
MorCorn	MC 4725	142.8	223.0	202.2	246.1	208.1	242.2	210.7
Progeny Ag	2215TRE	133.8	224.4	225.1	227.2	219.5	219.6	208.3
Progeny Ag	2216VT2P	150.1	230.8	221.4	240.1	219.3	255.8	219.6
Progeny Ag	PGY 2118VT2P	165.3	226.5	209.0	233.1	213.2	255.5	217.1
Progeny Ag	PGY 9114VT2P	147.1	203.2	188.3	234.4	193.9	232.2	199.8
Progeny Ag	PGY 9117VT2P	159.4	206.0	216.3	254.1	214.8	237.0	214.6
Progeny Ag	PGY 2015VT2P	146.8	213.7	202.7	252.9	220.9	227.9	210.8
Revere Seed	1307TC	153.9	234.9	234.3	238.8	224.3	225.8	218.7
Revere Seed	1525V	134.9	233.0	219.7	229.0	231.9	254.7	217.2
Revere Seed	1577VT2	166.8	237.1	199.8	259.7	250.8	258.2	228.7
Revere Seed	1627TC	157.8	224.7	204.3	253.8	229.3	254.7	220.8
Revere Seed	1707VT2P	137.8	213.4	180.9	217.5	203.3	247.1	200.0
Revere Seed	1898TC	157.5	237.7	244.1	267.5	239.3	245.7	232.0
Revere Seed	1919VT2P	152.9	238.1	223.0	248.0	224.5	239.6	221.0
Mean		152.2	229.3	215.6	243.5	222.0	245.5	218.0
CV		14.0	9.0	13.0	10.4	10.2	9.4	
LSD (0.05)		29.0	28.6	39.0	35.4	31.5	32.0	
R <sup>2</sup>		31.0	27.0	29.0	33.0	30.0	31.0	
Error DF		183.0	183.0	183.0	183.0	183.0	183.0	

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

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

Brand	Hybrid	Macon (clay)	Minter City (loam)	Rolling Fork (loam)	Stoneville (clay)	Stoneville (loam)	Overall average
AgriGold	A645-16VT2PRO	<i>bu/A</i> 235.9	<i>bu/A</i> 234.9	<i>bu/A</i> 242.5	<i>bu/A</i> 238.0	<i>bu/A</i> 224.2	<i>bu/A</i> 235.1
Augusta Seed	A1367	229.0	204.3	246.4	245.6	220.8	229.2
Beck's Hybrids	6414V2P	219.9	229.2	231.6	239.3	243.0	232.6
Beck's Hybrids	6743AML	232.1	201.9	215.7	233.2	238.2	224.2
BH Genetics	BH 8721VT2P	242.3	209.4	251.0	250.7	219.8	234.6
Croplan	CP5497VT2P	235.1	228.4	239.9	240.9	230.2	234.9
Croplan	CP5550VT2P	233.1	220.8	249.0	244.3	231.0	235.6
DeKalb	DKC65-99	235.8	211.7	237.0	239.3	227.4	230.3
DeKalb	DKC69-99	235.0	214.3	262.5	239.8	228.8	236.1
DeKalb	DKC70-27	234.0	221.4	254.8	251.1	228.1	237.9
Dyna-Gro	D54VC14	237.4	227.0	238.7	246.8	230.4	236.1
Dyna-Gro	D57VC51	247.3	250.6	233.1	217.7	238.7	237.5
Dyna-Gro	D52VC63	232.9	205.4	223.2	237.0	218.5	223.4
Dyna-Gro	D55VC80	227.4	226.6	251.4	242.4	222.7	234.1
Dyna-Gro	D58VC65	238.5	239.1	237.0	237.5	233.0	237.0
Gateway Seed	1717 VT2Pro	237.6	214.0	206.9	245.2	241.7	229.1
Gateway Seed	9714 VT2Pro	215.5	227.0	246.3	227.1	224.2	228.0
Great Heart Seed	HT7256 DGV2P	233.1	230.8	254.8	250.3	230.2	239.8
Great Heart Seed	HT-7302VT2P	224.6	224.6	239.1	233.8	228.8	230.2
Great Heart Seed	HT-7425DGV2P	238.7	227.4	234.5	238.7	234.4	234.7
LG Seeds	LG66C44	236.5	220.6	230.2	258.1	236.4	236.4
MorCorn	MC 4311	224.9	233.5	248.5	243.9	219.3	234.0
MorCorn	MC 4725	240.9	237.1	253.1	250.2	216.0	239.5
Progeny Ag	PGY 2118VT2P	226.1	199.7	220.9	238.9	220.4	221.2
Progeny Ag	PGY 9117VT2P	228.1	233.2	253.2	245.6	234.2	238.8
Progeny Ag	PGY 2015VT2P	215.0	215.0	256.0	233.3	216.9	227.3
Revere Seed	1307TC	234.7	232.7	240.2	233.0	233.5	234.8
Revere Seed	1577VT2	236.3	221.3	265.3	249.8	257.2	246.0
Revere Seed	1707VT2P	216.2	208.6	221.9	242.0	209.4	219.6
Revere Seed	1898TC	232.9	238.4	225.6	243.1	242.3	236.4
Revere Seed	1919VT2P	230.5	224.5	227.6	232.2	225.6	228.1
Overall Mean		231.9	223.0	239.9	240.9	229.2	233.0

**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> 228.8	<i>bu/A</i> 233.4	<i>bu/A</i> 239.1	<i>bu/A</i> 220.5	<i>bu/A</i> 230.4
Augusta Seed	A1367	232.4	209.3	252.8	223.0	229.4
BH Genetics	BH 8721VT2P	241.5	215.6	246.8	223.0	231.7
Croplan	CP5550VT2P	227.0	227.1	244.2	225.9	231.1
DeKalb	DKC65-99	233.0	220.4	240.7	224.1	229.5
DeKalb	DKC69-99	239.5	219.1	247.0	230.0	233.9
DeKalb	DKC70-27	235.7	227.7	256.7	228.8	237.2
Dyna-Gro	D57VC51	244.1	243.9	231.1	234.7	238.5
Dyna-Gro	D55VC80	224.3	229.7	237.5	217.7	227.3
Dyna-Gro	D58VC65	232.9	236.6	236.2	222.0	231.9
Great Heart Seed	HT7256 DGV2P	226.2	235.1	248.1	224.2	233.4
Great Heart Seed	HT-7302VT2P	225.8	226.4	240.9	223.1	229.1
Great Heart Seed	HT-7425DGV2P	237.7	230.4	241.8	232.3	235.5
LG Seeds	LG66C44	237.2	225.8	252.3	229.5	236.2
MorCorn	MC 4725	240.1	230.4	247.9	217.1	233.9
Progeny Ag	PGY 9117VT2P	234.3	236.1	251.7	223.2	236.3
Progeny Ag	PGY 2015VT2P	221.8	220.1	235.9	215.8	223.4
Revere Seed	1307TC	239.1	226.9	240.3	227.7	233.5
Revere Seed	1577VT2	242.1	221.3	250.1	245.0	239.6
Revere Seed	1707VT2P	222.2	212.8	243.6	203.9	220.6
Revere Seed	1898TC	229.2	232.2	239.9	231.6	233.2
Overall Mean		233.1	226.7	244.0	224.9	232.2



**Table 8. Results from 44 corn hybrids grown without irrigation on a Houston clay soil near Aberdeen, Monroe County, 2022.**

Brand	Hybrid	2022 yield	2-year average	3-year average	Test weight	Ear height	Moisture content	Plant height	Harvested population
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>
Great Heart Seed	HT-7302VT2P	163.5	163.2	176.7	59.4	0	15.2	7.0	37
Revere Seed	1627TC	160.1	—	—	58.0	34	16.7	7.6	36
Revere Seed	1525V	156.6	—	—	58.6	40	15.8	7.8	34
Revere Seed	1919VT2P	156.1	161.1	—	58.9	34	16.9	7.0	34
LG Seeds	67C07	153.8	—	—	60.5	34	15.7	7.3	35
Progeny Ag	PGY2015VT2P	150.7	165.7	175.6	60.6	35	15.4	6.8	30
DeKalb	DKC68-69	150.1	155.7	177.9	59.5	35	16.7	7.2	38
AgriGold	A650-21VT2PRO	148.9	—	—	58.5	36	16.4	8.0	35
Progeny Ag	2215TRE	148.1	165.6	—	59.8	34	16.7	7.9	32
Dyna-Gro	D55VC80	146.5	160.8	—	58.5	35	16.0	6.9	30
Revere Seed	1577VT2	145.8	160.7	179.4	59.9	33	15.7	7.0	35
AgriGold	A645-16VT2PRO	145.7	159.0	175.4	58.6	34	16.2	7.6	35
MorCorn	MC 4527	144.5	—	—	59.3	34	15.2	7.6	31
DeKalb	DKC62-70	144.2	—	—	58.6	32	17.2	7.4	33
Dyna-Gro	D54VC14	144.1	155.1	—	59.0	32	16.5	6.9	30
Revere Seed	1707 VT2P	143.0	160.1	169.8	58.9	32	16.6	6.8	32
Revere Seed	1898 TC	142.7	155.0	176.8	59.3	38	15.3	7.4	37
Progeny Ag	PGY 2118VT2P	141.4	155.3	—	58.6	36	15.6	7.4	35
MorCorn	MC 4311	141.3	156.4	—	58.8	38	16.3	7.8	32
DeKalb	DKC69-99	140.7	156.5	183.9	59.1	35	16.9	6.8	37
DeKalb	DKC70-45	140.2	—	—	59.4	30	16.5	6.2	33
DeKalb	DKC68-35	139.6	—	—	58.4	32	15.9	7.2	35
Great Heart Seed	HT-7541TRE	139.5	—	—	59.9	0	15.8	7.2	34
Dyna-Gro	D57VC51	139.0	167.2	182.5	57.7	32	16.9	7.3	34
LG Seeds	69C03	138.8	—	—	58.7	36	15.5	7.8	35
Revere Seed	1307TC	138.1	152.2	172.0	58.2	33	16.6	7.0	35
DeKalb	DKC65-99	138.1	152.7	174.2	58.6	32	16.9	7.1	36
Progeny Ag	PGY 9117VT2P	137.2	150.9	170.9	60.5	29	15.5	7.8	29
MorCorn	MC 4725	137.0	152.5	163.5	59.6	32	16.1	7.6	34
Progeny Ag	2216VT2P	136.5	155.1	—	59.4	32	16.5	6.5	34
Dyna-Gro	D58VC65	136.0	163.0	174.8	58.9	36	16.4	7.3	30
DeKalb	DKC66-06	135.9	—	—	57.3	34	15.3	7.6	36
Gateway Seed	2716	135.7	—	—	58.8	40	16.8	7.8	29
Dyna-Gro	D57CV53	134.6	—	—	59.3	31	17.3	7.2	32
Gateway Seed	1717 VT2Pro	133.7	—	—	58.8	32	16.5	6.9	34
AgriGold	A643-52VT2RIB	133.0	—	—	57.9	35	17.0	7.5	32
Gateway Seed	9714 VT2Pro	129.6	—	—	58.8	30	15.5	6.6	29
LG Seeds	LG66C44	129.1	148.5	174.0	59.2	35	16.6	8.2	33
LG Seeds	66C06	128.6	—	—	58.0	32	16.3	7.4	34
AgriGold	A647-79VT2PRO	126.8	—	—	58.5	35	15.3	7.3	32
DeKalb	DKC70-27	126.0	145.6	171.2	58.7	34	15.4	7.2	33
Progeny Ag	PGY 9114VT2P	125.5	154.3	173.4	58.2	32	15.8	6.4	30
Great Heart Seed	HT-7499TRE	125.3	—	—	58.0	36	14.7	7.6	35
Dyna-Gro	D52VC63	125.1	146.5	—	58.5	33	16.0	6.7	30
Mean		140.4							
CV		11.4							
LSD (0.05)		22.5							
R <sup>2</sup>		30.8							
Error DF		132.0							

# 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. Rainfall was well below average for growing season. That, in combination with

high summertime temperatures, had a significant impact on the plots yield potential. Harvest was completed in a timely manner. Below-average yields were recorded at this location.

Soil type . . . . .Brooksville silty clay

Soil pH . . . . .6.2

Soil fertility . . . . .P=L, K=L

Fertilizer . . . . .Preplant — 0-26-26 @ 500 lb/A

At planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) and 13-13-13 @ 150 lb/A on March 28

Topdress — N @ 205 lb/A (33-0-0-12S) on May 17

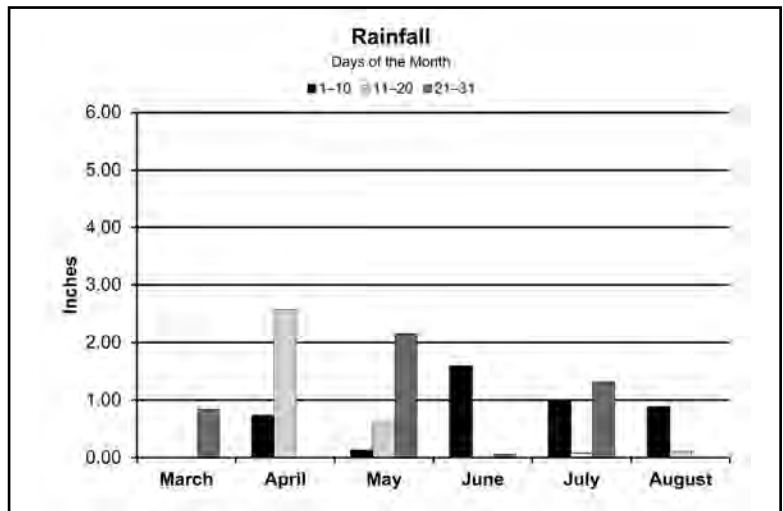
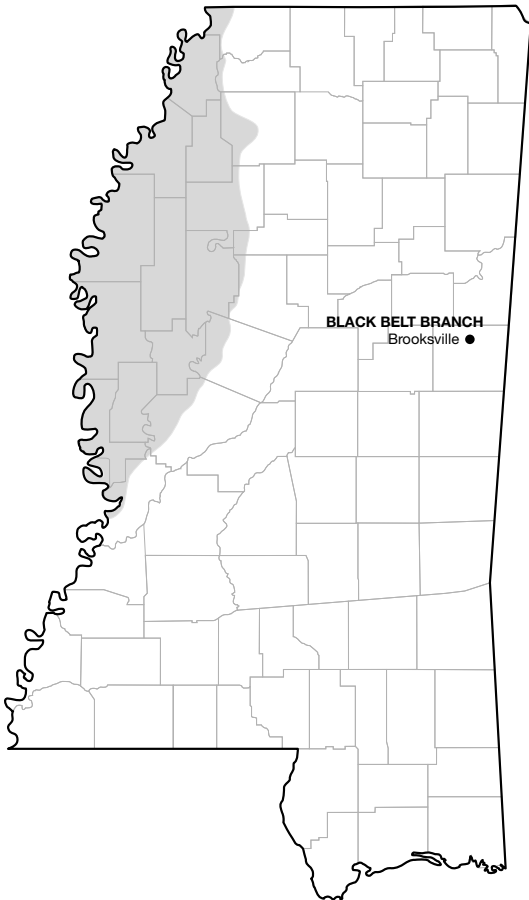
Herbicide . . . . .Preemergence — Gramoxone @ 1 qt/A and Corvus @ 5 oz/A on March 28

Postemergence — Roundup PowerMax @ 32 oz/A and Acuron @ 2 qt/A on May 17

Previous crop . . . . .Corn

Planting date . . . . .March 28

Harvest date . . . . .August 16



## Rainfall Summary

	Inches
March . . . . .	0.84
April . . . . .	3.30
May . . . . .	2.93
June . . . . .	1.65
July . . . . .	2.40
August . . . . .	0.99
<b>Total . . . . .</b>	<b>12.11</b>

**Table 9. Results from 44 corn hybrids grown without irrigation on a Brooksville silty clay soil at the MAFES Black Belt Branch, Brooksville, 2022.**

Brand	Hybrid	2022 yield	2-year average	3-year average	Test weight	Ear height	Moisture content	Plant height	Harvested population
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>
DeKalb	DKC70-45	144.4	—	—	58.2	25	14.4	6.5	35
Progeny Ag	2215TRE	141.6	183.5	—	58.2	32	13.7	7.2	31
Revere Seed	1919VT2P	140.8	168.9	—	57.9	29	14.6	7.3	37
Dyna-Gro	D54VC14	137.4	173.7	—	56.6	34	13.5	6.8	29
DeKalb	DKC62-70	133.1	—	—	56.4	30	13.6	7.5	35
Gateway Seed	2716	131.4	—	—	57.2	26	13.2	6.6	31
DeKalb	DKC65-99	131.1	167.0	176.7	56.8	30	13.2	6.8	32
Dyna-Gro	D55VC80	129.4	166.0	—	55.9	31	14.0	7.1	32
Dyna-Gro	D57CV53	129.0	—	—	57.3	29	14.8	6.7	30
Revere Seed	1627TC	123.9	—	—	55.6	24	13.9	6.9	32
Progeny Ag	PGY2015VT2P	123.3	159.0	166.6	69.2	32	13.1	6.7	34
Revere Seed	1707 VT2P	122.8	171.0	184.3	58.1	27	13.9	6.8	34
Progeny Ag	PGY 9114VT2P	122.7	166.9	171.0	56.7	32	13.0	7.1	30
DeKalb	DKC68-69	122.3	159.9	175.5	57.5	30	14.1	7.1	35
Gateway Seed	9714 VT2Pro	120.8	—	—	56.7	28	12.6	6.4	30
DeKalb	DKC69-99	120.6	164.6	178.9	56.9	32	14.0	7.0	34
Gateway Seed	1717 VT2Pro	120.3	—	—	58.0	24	13.2	6.4	34
AgriGold	A643-52VT2RIB	118.6	—	—	56.3	30	13.1	6.8	31
Dyna-Gro	D57VC51	117.3	173.6	185.8	56.1	29	13.3	6.9	30
Revere Seed	1898 TC	117.2	158.3	173.3	57.5	23	12.7	7.2	35
MorCORN	MC 4311	117.2	166.8	—	55.7	24	13.4	6.7	31
AgriGold	A645-16VT2PRO	117.2	162.5	171.7	56.5	27	13.8	6.2	34
LG Seeds	67C07	117.1	—	—	57.2	25	13.0	6.0	35
Great Heart Seed	HT-7541TRE	117.0	—	—	58.2	27	13.2	5.7	32
Progeny Ag	PGY 9117VT2P	116.4	171.0	175.0	58.7	24	13.6	7.1	32
AgriGold	A650-21VT2PRO	116.0	—	—	56.6	27	13.6	6.9	36
Dyna-Gro	D58VC65	115.9	160.7	170.8	57.1	26	13.0	6.8	32
Revere Seed	1577VT2	115.7	158.8	171.9	57.2	26	13.1	6.4	33
Progeny Ag	PGY 2118VT2P	115.6	166.9	—	56.7	25	13.8	6.7	34
AgriGold	A647-79VT2PRO	114.8	—	—	56.9	24	13.1	6.5	32
MorCORN	MC 4527	113.8	—	—	57.5	30	13.0	7.2	32
Revere Seed	1307TC	113.6	158.5	178.8	55.3	27	13.0	6.4	32
MorCORN	MC 4725	111.8	170.1	182.3	57.7	32	13.4	7.1	32
LG Seeds	LG66C44	110.9	151.9	168.6	56.3	30	12.8	6.5	34
Great Heart Seed	HT-7302VT2P	108.9	158.3	169.4	57.7	26	12.5	6.1	32
DeKalb	DKC68-35	108.5	—	—	56.1	25	13.2	6.9	37
Dyna-Gro	D52VC63	106.3	149.8	—	55.3	29	13.5	6.7	29
DeKalb	DKC66-06	105.3	—	—	55.1	24	14.0	6.8	34
Revere Seed	1525V	104.8	—	—	56.0	28	12.4	6.8	35
Progeny Ag	2216VT2P	104.3	158.5	—	57.2	30	13.1	7.3	33
LG Seeds	69C03	104.3	—	—	55.9	26	13.4	6.6	33
Great Heart Seed	HT-7499TRE	103.1	—	—	55.0	29	13.4	6.6	32
LG Seeds	66C06	101.5	—	—	56.3	26	13.2	7.0	36
DeKalb	DKC70-27	99.8	149.8	171.1	55.6	28	13.5	6.7	35
Mean		118.4							
CV		14.5							
LSD (0.05)		24.0							
R <sup>2</sup>		34.0							
Error DF		132.0							

# TRUCK CROPS BRANCH, CRYSTAL SPRINGS

## Crop Summary

The corn plots were planted flat into a stale seedbed of the previous year's soybean crop. There was good soil moisture at planting for germination, and all plots quickly emerged to a stand. Abundant rainfall during

crucial points of the growing season allowed for very good dryland yields at this location. Harvest was delayed slightly due to rainfall, but it was still completed within a timely manner.

Soil type . . . . . Providence silt loam

Soil pH . . . . . 6.3

Soil fertility . . . . . P=M, K=M

Fertilizer . . . . . At planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on March 28

Topdress — N @ 75 lb/A (33-0-0-12S) on May 16 and N @ 80 lb/A (46-0-0) on June 17

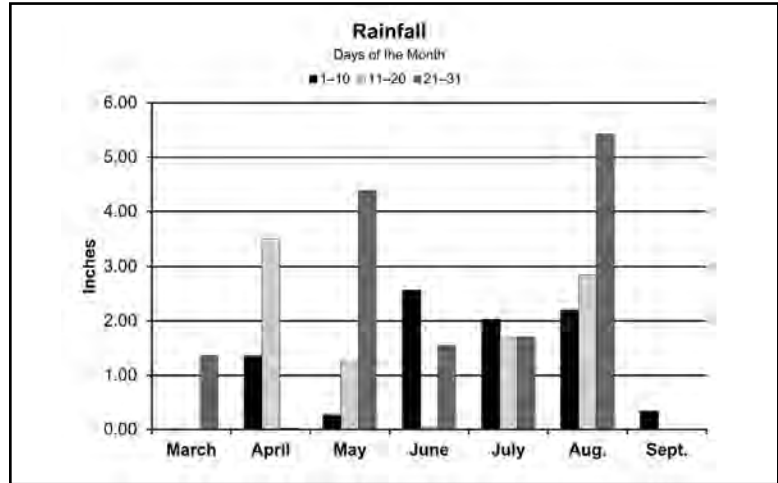
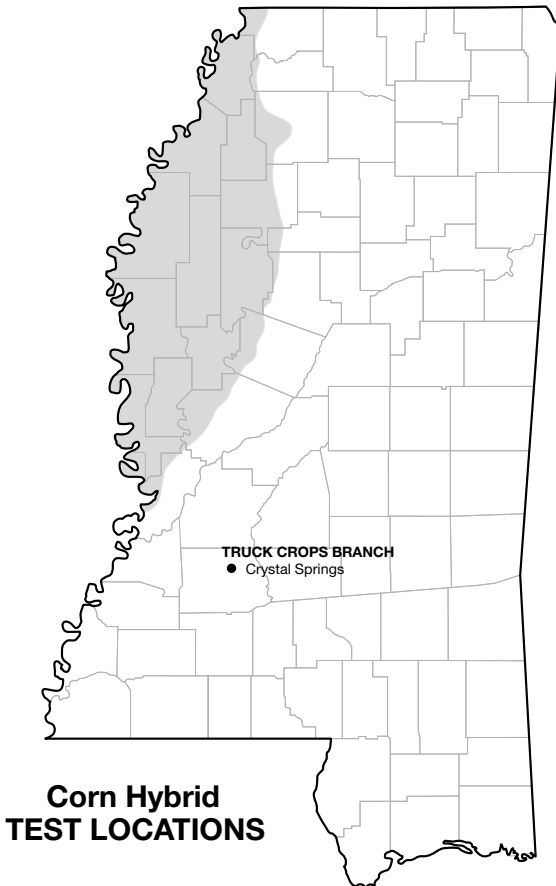
Herbicide . . . . . Preemergence — Gramoxone @ 1 qt/A and Corvus @ 5 oz/A on March 28

Postemergence — Halex GT @ 3.2 pt/A and Atrazine @ 1 qt/A on April 27

Previous crop . . . Soybean

Planting date . . . March 28

Harvest date . . . September 6



## Rainfall Summary

	Inches
March . . . . .	1.36
April . . . . .	4.87
May . . . . .	5.91
June . . . . .	4.14
July . . . . .	5.41
August . . . . .	10.46
September . . . . .	0.34
<b>Total . . . . .</b>	<b>32.49</b>



**Table 10. Results from 44 corn hybrids grown without irrigation on a Providence silt loam soil at the MAFES Truck Crops Branch, Crystal Springs, 2022.**

Brand	Hybrid	2022 yield	2-year average	3-year average <sup>1</sup>	Test weight	Ear height	Moisture content	Plant height	Harvested population
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>
LG Seeds	66C06	253.4	—	—	55.4	48	18.9	9.4	35
Dyna-Gro	D58VC65	249.5	217.4	—	55.9	44	17.7	8.9	30
AgriGold	A645-16VT2PRO	242.9	225.9	—	55.3	38	18.0	8.1	31
Revere Seed	1627TC	241.9	—	—	55.1	37	18.8	8.2	32
DeKalb	DKC62-70	237.3	—	—	54.0	36	19.0	7.0	29
Revere Seed	1707 VT2P	236.2	201.7	—	55.4	29	18.1	7.3	33
AgriGold	A650-21VT2PRO	235.2	—	—	55.4	35	18.4	8.1	32
Revere Seed	1577VT2	235.0	224.4	—	54.7	44	18.4	8.3	31
Dyna-Gro	D54VC14	234.6	222.3	—	55.8	40	17.9	9.0	31
Progeny Ag	2215TRE	232.4	233.0	—	54.8	29	18.3	9.1	31
AgriGold	A643-52VT2RIB	230.5	—	—	56.3	29	18.7	8.0	31
MorCorn	MC 4725	230.4	229.7	—	55.9	35	17.7	8.6	36
DeKalb	DKC68-35	230.1	—	—	53.9	37	18.7	7.6	30
DeKalb	DKC66-06	229.8	—	—	55.4	34	19.0	8.0	32
Revere Seed	1525V	229.3	—	—	55.7	45	18.1	8.3	37
DeKalb	DKC68-69	228.7	204.7	—	55.2	39	18.9	8.0	28
DeKalb	DKC70-27	227.4	207.9	—	55.5	43	18.3	7.3	35
Dyna-Gro	D52VC63	225.9	215.6	—	53.4	38	18.4	9.0	34
LG Seeds	69C03	225.5	—	—	55.7	36	18.8	9.1	34
Progeny Ag	PGY2015VT2P	224.5	199.9	—	54.4	42	18.6	8.3	25
AgriGold	A647-79VT2PRO	224.3	—	—	55.2	36	17.9	8.9	25
Dyna-Gro	D57CV53	223.5	—	—	54.7	42	18.5	9.2	26
Revere Seed	1919VT2P	222.4	202.3	—	54.9	36	18.1	9.0	32
Progeny Ag	2216VT2P	221.8	223.9	—	54.6	44	18.4	9.1	33
Gateway Seed	2716	219.6	—	—	55.1	41	18.4	7.5	38
Progeny Ag	PGY 2118VT2P	219.2	205.3	—	55.7	40	17.8	9.0	33
Great Heart Seed	HT-7499TRE	218.9	—	—	55.0	33	19.3	8.4	35
Great Heart Seed	HT-7541TRE	217.6	—	—	55.2	38	18.2	8.0	30
Revere Seed	1898 TC	217.3	202.1	—	55.4	24	19.2	8.0	31
Progeny Ag	PGY 9114VT2P	215.7	224.1	—	54.4	33	17.6	8.2	30
Revere Seed	1307TC	215.4	203.7	—	54.0	35	19.2	7.8	35
Gateway Seed	1717 VT2Pro	214.7	—	—	54.8	30	18.7	9.2	30
Great Heart Seed	HT-7302VT2P	210.9	218.1	—	55.2	42	19.2	7.8	29
MorCorn	MC 4527	209.1	—	—	53.9	41	18.5	8.6	31
Progeny Ag	PGY 9117VT2P	205.8	222.5	—	55.1	29	18.4	8.1	30
Gateway Seed	9714 VT2Pro	205.2	—	—	55.0	41	18.0	9.1	30
LG Seeds	67C07	202.5	—	—	55.9	43	18.2	7.9	31
Dyna-Gro	D57VC51	202.4	212.7	—	54.6	37	18.3	8.3	37
Dyna-Gro	D55VC80	199.9	209.9	—	54.3	38	18.1	9.3	35
DeKalb	DKC65-99	197.6	186.1	—	53.9	31	19.0	7.7	31
DeKalb	DKC70-45	196.4	—	—	54.4	28	18.1	7.9	35
MorCorn	MC 4311	192.3	188.5	—	54.6	34	19.1	8.8	32
DeKalb	DKC69-99	192.1	178.8	—	55.3	31	19.0	8.6	29
LG Seeds	LG66C44	186.1	191.9	—	54.5	35	18.2	8.8	32
Mean		220.7							
CV		12.3							
LSD (0.05)		3.7							
R <sup>2</sup>		28.0							
Error DF		131.0							

<sup>1</sup>No 3-year average.

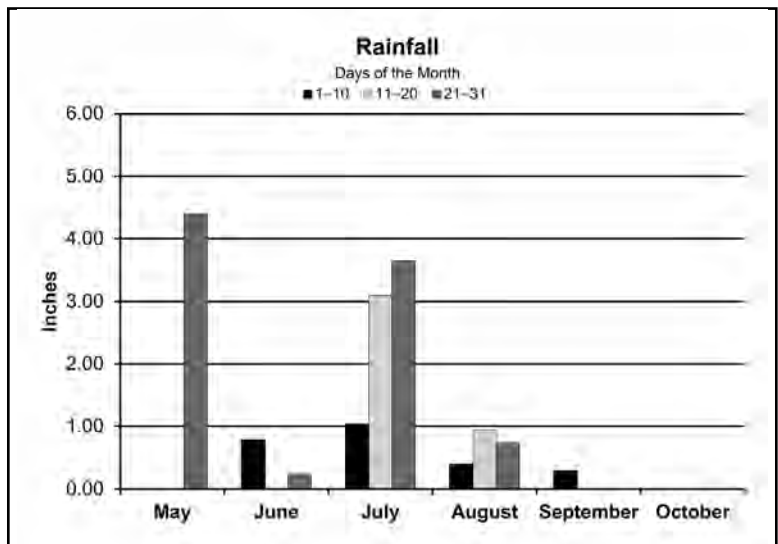
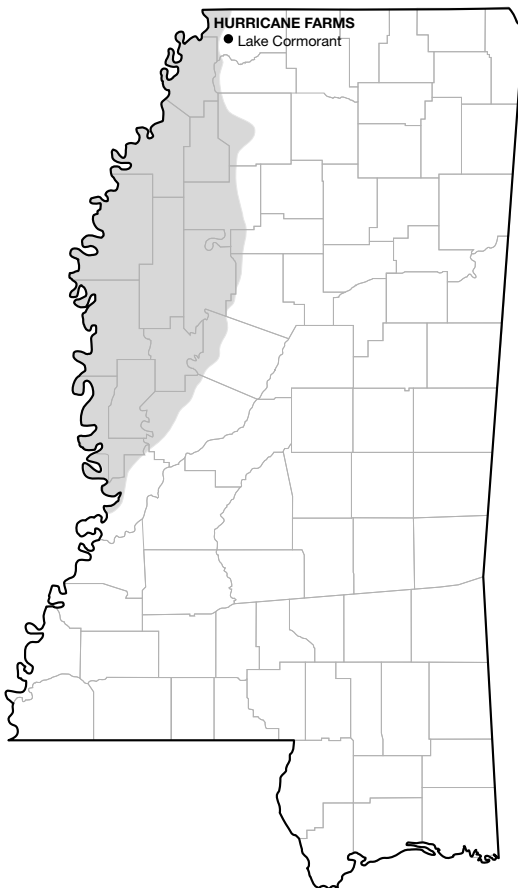
# HURRICANE FARMS, LAKE CORMORANT

## Crop Summary

The corn plots were planted mid-May into a stale seedbed, hipped well before planting. Following planting, a preemergence herbicide application was made. Soil moisture was adequate at planting, and all plots quickly emerged to a good stand. Timely rainfall and

furrow irrigation during the growing season supplied good soil moisture throughout. Harvest was made in a timely manner and yields were respectable considering the late planting date and the high temperatures during the summer.

Soil type .....Dundee very fine sandy loam  
 Soil pH .....6.0  
 Soil fertility ....P=H, K=H  
 Fertilizer .....Preplant – DAP @ 200 lb/A and MOP @ 100 lb/A  
                   At planting – 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on May 18  
                   Sidedress – N @ 210 lb/A (28-0-0-5S)  
                   Pretassel – 41-0-0-4 @ 100 lb/A  
 Herbicide .....Preemergence – Atrazine @ 32 oz/A and Dual II Magnum @ 32 oz/A on May 18  
 Previous crop ..Soybean  
 Planting date ..May 18  
 Harvest date ...October 3



## Rainfall Summary

	Inches
May .....	4.40
June .....	1.02
July .....	7.78
August .....	2.09
September .....	0.29
October .....	0.00
<b>Total .....</b>	<b>15.58</b>

**Table 11. Results from 61 corn hybrids grown with center-pivot irrigation on a Dundee very fine sandy soil near Hurricane Farms, Lake Cormorant, 2022.**

Brand	Hybrid <sup>1</sup>	2022 yield	2-year <sup>2</sup> average	3-year <sup>2</sup> average	Test weight	Ear height	Moisture content	Plant height	Stalk lodging	Harvested population
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>%</i>	<i>x1000</i>
DeKalb	DKC70-45	178.5	—	—	60.1	31	13.9	7.4	2.2	28
DeKalb	DKC68-35	175.0	—	—	59.6	31	13.1	6.9	0.0	27
Gateway Seed	1717 VT2Pro	174.7	—	—	60.9	38	13.3	8.2	0.0	33
Dyna-Gro	D58VC65	174.0	—	—	60.0	30	12.6	7.6	1.8	35
Great Heart Seed	HT-7499TRE	173.7	—	—	59.3	41	13.2	8.1	0.0	36
Innvictis	A1689T	171.0	—	—	61.5	38	12.8	8.1	1.8	35
Great Heart Seed	HT-7393VT2P	169.0	—	—	58.3	31	13.9	8.1	0.0	36
Revere Seed	1577VT2	166.8	—	—	60.2	28	13.5	7.2	3.6	34
Progeny Ag	PGY 2118VT2P	165.3	—	—	60.2	31	13.9	7.8	1.8	34
Gateway Seed	2716	165.1	—	—	60.6	32	13.4	8.5	0.0	34
Great Heart Seed	HT-7541TRE	164.6	—	—	60.0	30	14.0	8.4	2.0	32
DeKalb	DKC69-99	164.2	—	—	61.0	32	13.2	8.1	1.9	34
AgriGold	A647-79VT2PRO	163.3	—	—	60.6	26	12.9	7.4	5.2	36
Beck's Hybrids	6803V2P	162.1	—	—	59.6	38	12.7	7.9	0.0	32
Gateway Seed	9714 VT2Pro	161.4	—	—	60.2	30	12.7	7.5	1.9	34
Dyna-Gro	D57CV53	161.4	—	—	60.6	32	13.4	7.7	1.7	37
BH Genetics	X22002VT2P *	160.3	—	—	60.9	30	13.3	8.6	1.6	39
Progeny Ag	PGY 9117VT2P	159.4	—	—	60.8	34	12.8	8.2	2.0	32
Innvictis	A1551VT2P	158.6	—	—	59.4	40	13.5	8.0	0.0	37
DeKalb	DKC66-06	158.5	—	—	59.4	35	13.2	7.0	1.7	37
LG Seeds	LG66C44	158.5	—	—	60.2	32	13.7	7.2	3.7	34
Revere Seed	16277C	157.8	—	—	58.9	40	12.8	8.1	1.8	35
Revere Seed	1898TC	157.5	—	—	60.3	36	13.7	8.2	5.7	33
Dyna-Gro	D52VC63	157.4	—	—	59.5	27	12.9	7.3	1.9	33
Croplan	CP5497VT2P	154.5	—	—	58.8	34	12.9	7.7	2.3	27
Revere Seed	13077C	153.9	—	—	59.5	34	12.4	7.6	0.0	34
DeKalb	DKC68-69	152.9	—	—	61.7	30	14.9	7.4	1.9	34
Revere Seed	1919VT2P	152.9	—	—	60.2	29	13.1	7.9	0.0	34
Croplan	CP5678VT2P	152.5	—	—	60.1	35	13.1	8.4	0.0	34
DeKalb	DKC65-99	151.8	—	—	60.2	34	13.6	7.5	5.6	34
DeKalb	DKC62-70	151.8	—	—	59.0	35	12.8	8.5	1.8	35
Croplan	CP5550VT2P	151.2	—	—	59.1	38	14.0	8.2	0.0	34
AgriGold	A643-52VT2RIB	150.6	—	—	59.1	30	13.3	7.0	1.9	32
Innvictis	MEX1791VT2P	150.5	—	—	58.9	36	13.3	7.7	0.0	34
Progeny Ag	2216VT2P	150.1	—	—	59.7	35	12.6	7.3	2.1	30
LG Seeds	67C07	150.0	—	—	60.1	37	12.9	8.1	2.0	32
Dyna-Gro	D57VC51	149.9	—	—	59.5	28	12.5	7.3	2.0	30
DeKalb	DKC70-27	147.9	—	—	59.3	28	14.8	7.4	0.0	36
Dyna-Gro	D54VC14	147.2	—	—	59.3	27	12.3	7.0	0.0	37
Progeny Ag	PGY 9114VT2P	147.1	—	—	59.1	31	12.9	8.7	2.0	31
Progeny Ag	PGY 2015VT2P	146.8	—	—	59.2	32	12.3	7.9	0.0	33
Great Heart Seed	HT-7425DGVT2P	146.4	—	—	58.9	35	13.1	7.5	0.0	35
MorCorn	MC 4527	146.0	—	—	59.6	30	12.7	8.0	0.0	30
MorCorn	MC 4311	144.8	—	—	60.2	33	12.8	7.6	2.0	32
BH Genetics	BH 8721VT2P	143.9	—	—	58.9	29	12.6	7.3	1.9	34
LG Seeds	66C06	142.9	—	—	58.7	29	13.8	7.4	2.1	30
MorCorn	MC 4725	142.8	—	—	59.1	39	12.6	7.3	1.7	37
Augusta Seed	A1367	142.4	—	—	59.5	28	13.2	8.0	2.0	31
Great Heart Seed	HT7256 DGVT2P	142.3	—	—	59.8	35	13.4	8.0	1.9	33
LG Seeds	69C03	140.7	—	—	58.2	29	14.8	6.5	1.8	34
AgriGold	A646-30VT2PRO	139.2	—	—	58.5	34	13.4	8.1	0.0	34
Dyna-Gro	D55VC80	138.1	—	—	59.4	31	12.8	7.8	1.7	37
Revere Seed	1707VT2P	137.8	—	—	59.4	33	12.9	7.3	0.0	33
AgriGold	A650-21VT2PRO	136.0	—	—	58.4	28	14.3	7.7	0.0	38
Beck's Hybrids	6414V2P	135.5	—	—	58.5	32	12.4	7.0	0.0	31
Revere Seed	1525V	134.9	—	—	58.8	30	12.5	8.4	1.9	34
Progeny Ag	2215TRE	133.8	—	—	58.8	26	12.5	8.1	0.0	32
Beck's Hybrids	6743AML	133.4	—	—	58.3	32	12.3	8.3	0.0	35
Great Heart Seed	HT-7302VT2P	130.4	—	—	59.9	29	12.7	6.8	0.0	30
Croplan	X20117C/VT2P *	130.3	—	—	59.9	36	13.2	8.0	1.7	36
AgriGold	A645-16VT2PRO	124.5	—	—	58.7	24	12.5	6.9	9.8	32
Mean		152.2								
CV		14.0								
LSD (0.05)		29.0								
R <sup>2</sup>		31.0								
Error DF		183.0								

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

<sup>2</sup>No 2 or 3-year averages.

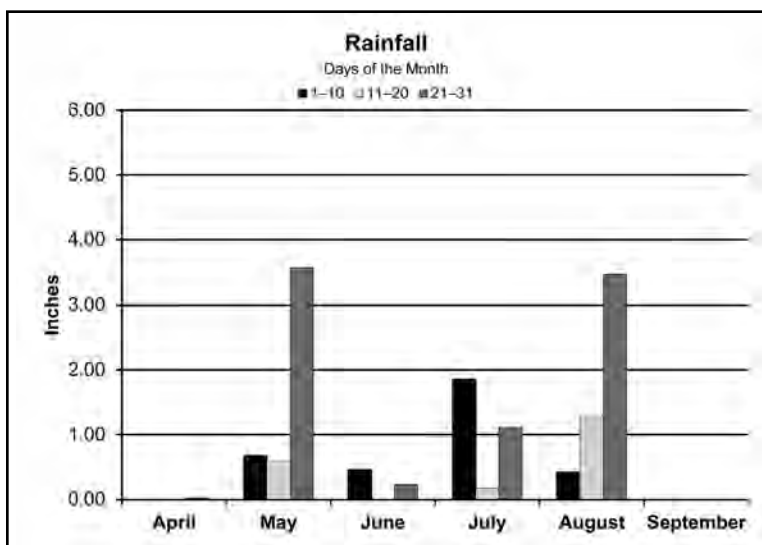
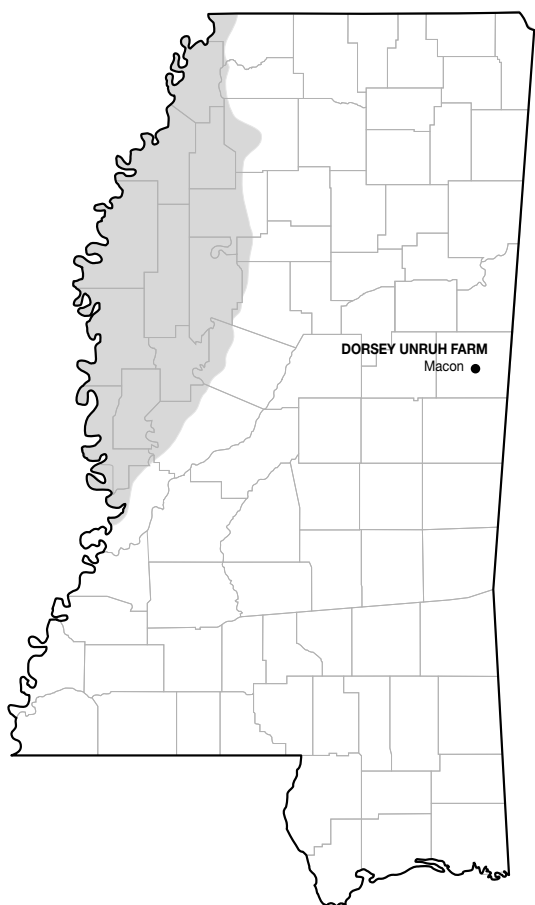
# DORSEY UNRUH FARM, MACON

## Crop Summary

The plots were planted in late April into a stale seedbed that was prepared the previous fall. Good soil moisture was present at the time of planting, and all plots quickly emerged to a good stand. The growing season was plagued with high temperatures and

below-average rainfall. Timely irrigation, in combination with rainfall, 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 .....Brooksville and 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 25  
                                   Sidedress – N @ 196 lb/A (30-0-0-2S)  
 Herbicide .....Preemergence – Gramoxone @ 1 qt/A and Corvus @ 5 oz/A on April 25  
                                   Postemergence – Atrazine @ 32 oz/A and Halex GT @ 3.6 pt/A  
 Irrigation .....Center pivot irrigation as needed  
 Previous crop ..Soybean  
 Planting date ..April 25  
 Harvest date ...September 1



## Rainfall Summary

	Inches
April	.03
May	4.82
June	0.70
July	3.14
August	5.18
September	0.00
<b>Total</b>	<b>13.87</b>

**Table 12. Results from 61 corn hybrids grown with center-pivot irrigation on a Brooksville and Vaiden silty clay soil near Macon, Noxubee County, 2022.**

Brand	Hybrid <sup>1</sup>	2022 yield	2-year average	3-year average	Test weight	Ear height	Moisture content	Plant height	Stalk lodging	Harvested population
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>%</i>	<i>x1000</i>
Gateway Seed	1717 VT2Pro	250.4	237.6	—	59.7	40	18.8	8.9	1.8	30
DeKalb	DKC62-70	248.5	—	—	59.8	37	16.9	9.0	0.0	34
Croplan	CP549VT2P	247.8	235.1	—	58.8	38	18.0	9.0	1.7	35
MorCorn	MC 4527	244.5	—	—	59.8	38	17.2	8.8	1.7	35
DeKalb	DKC66-06	242.8	—	—	59.6	58	16.5	9.2	1.7	33
Innvictis	A1551VT2P	242.2	—	—	58.1	38	17.6	8.8	1.5	35
Great Heart Seed	HT-7499TRE	242.2	—	—	58.8	35	17.8	9.0	5.0	32
AgriGold	A647-79VT2PRO	241.4	—	—	59.4	41	17.5	9.0	1.7	30
LG Seeds	66C06	241.2	—	—	57.8	34	16.8	9.7	1.7	33
Dyna-Gro	D57VC51	240.9	247.3	244.1	58.9	50	17.5	9.3	1.5	31
BH Genetics	X22002VT2P *	239.2	—	—	59.0	42	17.5	9.5	1.8	34
AgriGold	A646-30VT2PRO	238.9	—	—	57.6	42	17.2	9.1	0.0	33
Revere Seed	1919VT2P	238.1	230.5	—	59.4	46	17.6	9.0	1.6	33
Revere Seed	1898TC	237.7	232.9	229.2	57.9	41	18.3	9.0	1.8	30
Revere Seed	1577VT2	237.1	236.3	242.1	58.5	40	17.5	8.5	1.6	37
Gateway Seed	2716	236.4	—	—	59.2	46	17.9	9.8	6.3	31
AgriGold	A643-52VT2RIB	236.1	—	—	58.3	36	16.6	9.0	2.0	34
LG Seeds	67C07	235.7	—	—	59.1	45	17.4	8.9	1.8	33
Great Heart Seed	HT7256 DGVT2P	235.6	233.1	226.2	58.7	43	17.6	8.7	3.3	33
Dyna-Gro	D57CV53	235.3	—	—	58.4	33	19.3	9.1	1.7	33
Dyna-Gro	D58VC65	235.2	238.5	232.9	58.7	36	17.1	9.0	0.0	34
Revere Seed	1307TC	234.9	234.7	239.1	58.1	38	17.2	8.8	1.6	26
Revere Seed	1525V	233.0	—	—	58.5	40	17.1	9.3	1.8	30
Croplan	CP5550VT2P	232.5	233.1	227.0	57.6	37	17.8	8.3	1.6	32
Dyna-Gro	D54VC14	232.2	237.4	—	58.7	56	16.7	8.8	1.8	39
AgriGold	A645-16VT2PRO	232.0	235.9	228.8	58.4	46	17.4	8.5	2.0	34
DeKalb	DKC68-35	231.8	—	—	58.7	36	18.1	8.9	1.7	34
DeKalb	DKC69-99	230.9	235.0	239.5	59.2	60	18.3	9.8	1.8	34
Progeny Ag	2216VT2P	230.8	—	—	59.0	50	17.0	9.2	1.8	30
Great Heart Seed	HT-7302VT2P	230.6	224.6	225.8	59.3	42	17.0	8.2	7.7	36
Croplan	CP5678VT2P	230.0	—	—	58.9	35	17.2	8.4	1.8	31
AgriGold	A650-21VT2PRO	229.6	—	—	56.6	54	18.1	8.7	1.9	33
DeKalb	DKC70-45	229.0	—	—	59.1	46	18.5	9.4	1.7	34
DeKalb	DKC68-69	228.8	232.7	236.0	59.3	37	18.6	9.3	1.5	33
Augusta Seed	A1367	228.8	229.0	232.4	58.3	66	17.0	8.4	1.7	33
Great Heart Seed	HT-7393VT2P	228.8	—	—	56.9	27	17.7	8.2	3.6	35
Dyna-Gro	D52VC63	228.7	232.9	—	58.8	46	18.0	9.3	1.9	30
Great Heart Seed	HT-7425DGVT2P	227.9	238.7	237.7	58.9	41	17.1	8.3	3.2	35
LG Seeds	69C03	227.5	—	—	57.7	37	17.1	9.4	0.0	35
LG Seeds	LG66C44	227.4	236.5	237.2	58.6	32	16.8	8.7	7.0	36
Beck's Hybrids	6803V2P	227.1	—	—	59.3	43	17.2	9.1	1.8	36
Progeny Ag	PGY 2118VT2P	226.5	226.1	—	59.2	46	17.4	8.8	0.0	35
Innvictis	A1689T	225.9	—	—	59.8	42	17.0	8.2	6.7	31
Revere Seed	1627TC	224.7	—	—	58.3	44	17.5	9.1	1.9	33
Progeny Ag	2215TRE	224.4	—	—	58.4	42	16.6	9.2	1.8	32
DeKalb	DKC70-27	224.3	234.0	235.7	58.1	58	19.1	8.3	1.8	36
DeKalb	DKC65-99	223.4	235.8	233.0	57.9	35	18.7	8.4	1.7	33
MorCorn	MC 4725	223.0	240.9	240.1	58.8	44	16.5	9.4	3.3	33
Great Heart Seed	HT-7541TRE	222.6	—	—	58.6	35	18.4	8.9	7.3	32
BH Genetics	BH 8721VT2P	218.3	242.3	241.5	58.2	44	16.8	8.9	3.0	34
Beck's Hybrids	6414V2P	216.8	219.9	—	58.5	37	15.6	8.7	1.8	38
Croplan	X20117C/VT2P *	214.9	—	—	58.5	42	17.3	9.2	1.9	33
Progeny Ag	PGY 2015VT2P	213.7	215.0	221.8	60.5	48	15.8	9.1	1.7	37
Innvictis	MEX1791VT2P	213.6	—	—	58.2	45	17.7	8.3	7.5	33
Revere Seed	1707VT2P	213.4	216.2	222.2	58.7	36	16.4	8.7	3.8	36
Beck's Hybrids	6743AML	212.6	232.1	—	57.7	42	16.0	9.3	1.5	39
Dyna-Gro	D55VC80	212.3	227.4	224.3	58.3	41	16.3	9.0	1.7	31
MorCorn	MC 4311	212.2	224.9	—	58.3	39	18.1	8.6	1.8	34
Gateway Seed	9714 VT2Pro	208.0	215.5	—	58.4	39	17.6	8.3	2.0	33
Progeny Ag	PGY 9117VT2P	206.0	228.1	234.3	58.8	46	17.2	9.4	2.0	30
Progeny Ag	PGY 9114VT2P	203.2	—	—	58.0	45	16.8	8.8	2.2	30
Mean		229.3								
CV		9.0								
LSD (0.05)		28.6								
R <sup>2</sup>		27.0								
Error DF		183.0								

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

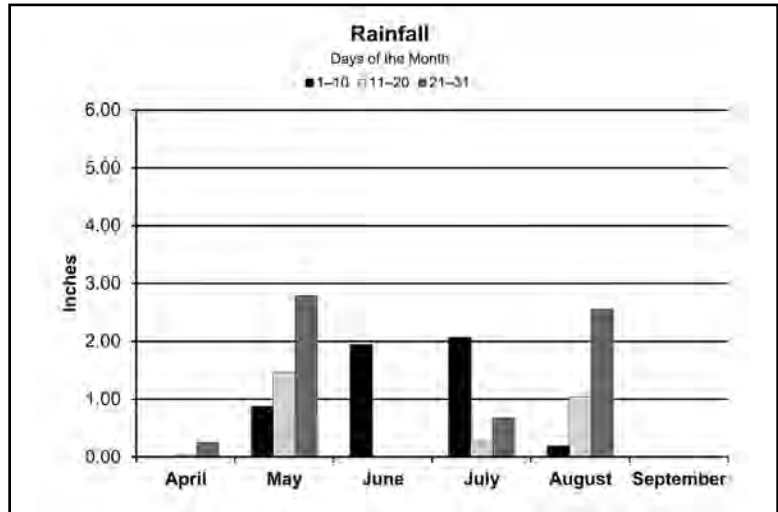
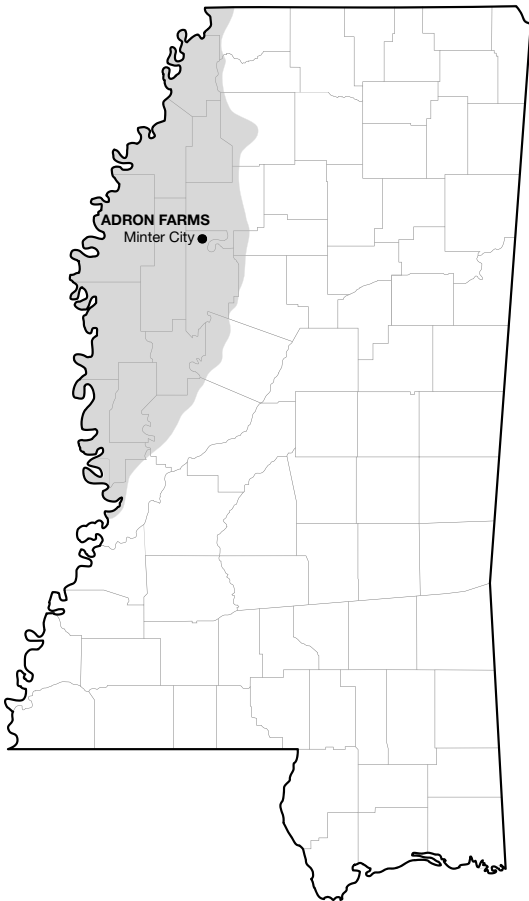
# ADRON FARMS, MINTER CITY

## Crop Summary

The corn plots were planted in early April. 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. Harvest was completed in a timely manner, and good yields were recorded at this location.

Soil type .....Dundee loam and Tensas silty clay  
 Soil pH .....6.4  
 Soil fertility .....P=H, K=H  
 Fertilizer .....At planting – 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on April 8  
                   Topdress – Urea @ 500 lb/A (three-way split application)  
 Herbicide .....Preemergence – Corvus @ 5 oz/A and Atrazine @ 32 oz/A on April 8  
                   Postemergence – Atrazine @ 32 oz/A and Halex GT @ 56 oz/A  
 Previous crop ...Soybean  
 Planting date ...April 8  
 Harvest date ...September 1  
 Irrigation .....Furrow irrigated as needed



## Rainfall Summary

	Inches
April	0.30
May	5.13
June	1.95
July	2.99
August	3.79
September	0.00
<b>Total</b>	<b>14.16</b>

**Table 13. Results from 61 corn hybrids grown with furrow irrigation on a Dubbs silt loam soil near Minter City, 2022.**

Brand	Hybrid <sup>1</sup>	2022 yield	2-year average	3-year average	Test weight	Ear height	Moisture content	Plant height	Stalk lodging	Harvested population
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>%</i>	<i>x1000</i>
MorCorn	MC 4527	253.4	—	—	59.3	36	16.7	9.0	0.0	34
Revere Seed	1898TC	244.1	238.4	232.2	58.2	43	18.5	8.7	0.0	32
DeKalb	DKC66-06	241.7	—	—	57.8	38	17.7	9.2	0.0	34
DeKalb	DKC62-70	241.2	—	—	58.0	40	18.1	8.2	0.0	38
LG Seeds	67C07	240.9	—	—	58.6	36	18.1	8.4	0.0	33
Dyna-Gro	D57VC51	235.7	250.6	243.9	57.7	40	17.2	9.2	0.0	34
Revere Seed	1307TC	234.3	232.7	226.9	57.9	38	16.5	8.6	0.0	35
BH Genetics	X22002VT2P *	233.4	—	—	57.8	45	18.4	8.5	0.0	33
Dyna-Gro	D58VC65	233.1	239.1	236.6	58.5	39	16.9	9.0	0.0	38
Croplan	CP5497VT2P	230.6	228.4	—	57.2	40	18.4	9.2	0.0	33
MorCorn	MC 4311	229.9	233.5	—	57.8	43	17.9	9.0	0.0	35
DeKalb	DKC68-35	229.8	—	—	57.5	41	18.4	9.2	0.0	35
Great Heart Seed	HT-7425DGV2P	226.4	227.4	230.4	57.1	38	17.9	8.5	0.0	39
Innvictis	A1551VT2P	225.5	—	—	57.1	40	18.9	9.0	0.0	35
DeKalb	DKC70-27	225.3	221.4	227.7	57.3	38	19.2	9.0	0.0	37
Progeny Ag	2215TRE	225.1	—	—	57.4	34	16.9	9.0	2.3	25
DeKalb	DKC68-69	223.6	220.4	224.0	58.2	35	20.3	9.4	0.0	34
DeKalb	DKC69-99	223.3	214.3	219.1	58.0	36	19.7	9.2	0.0	34
Beck's Hybrids	6414V2P	223.0	229.2	—	58.0	37	16.2	8.2	0.0	35
Revere Seed	1919VT2P	223.0	224.5	—	57.7	37	18.5	9.0	0.0	36
Croplan	CP5678VT2P	222.2	—	—	58.0	40	18.3	8.8	0.0	31
AgriGold	A645-16VT2PRO	222.0	234.9	233.4	57.2	36	17.3	8.7	0.0	32
Progeny Ag	2216VT2P	221.4	—	—	57.9	34	18.0	8.3	1.9	31
AgriGold	A650-21VT2PRO	221.2	—	—	56.2	43	17.6	9.0	0.0	36
Revere Seed	1525V	219.7	—	—	57.0	36	17.7	9.3	0.0	33
Dyna-Gro	D54VC14	219.4	227.0	—	58.8	40	16.4	9.3	0.0	37
LG Seeds	LG66C44	219.3	220.6	225.8	57.4	35	18.8	9.5	0.0	31
Innvictis	A1689T	218.8	—	—	58.0	36	18.9	9.0	0.0	35
LG Seeds	69C03	218.3	—	—	56.5	37	18.2	9.1	0.0	38
Gateway Seed	2716	218.0	—	—	56.7	40	19.2	8.8	0.0	38
Great Heart Seed	HT-7541TRE	217.9	—	—	57.4	40	19.5	10.0	0.0	31
Great Heart Seed	HT7256 DGV2P	217.1	230.8	235.1	57.9	39	18.6	8.7	1.6	37
Gateway Seed	9714 VT2Pro	216.8	227.0	—	58.0	35	17.6	9.0	0.0	34
Progeny Ag	PGY 9117VT2P	216.3	233.2	236.1	58.3	44	17.5	9.6	0.0	38
Dyna-Gro	D55VC80	216.0	226.6	229.7	57.9	35	17.1	9.0	0.0	31
AgriGold	A647-79VT2PRO	215.5	—	—	57.7	44	18.8	9.6	0.0	34
DeKalb	DKC65-99	214.8	211.7	220.4	57.8	41	19.2	9.3	0.0	33
DeKalb	DKC70-45	213.3	—	—	58.1	46	19.0	9.6	0.0	35
Great Heart Seed	HT-7302VT2P	212.2	224.6	226.4	57.8	40	17.8	8.2	0.0	35
Progeny Ag	PGY 2118VT2P	209.0	199.7	—	57.7	36	18.9	9.1	0.0	26
Great Heart Seed	HT-7499TRE	208.6	—	—	57.8	46	18.0	9.4	0.0	35
LG Seeds	66C06	206.8	—	—	56.4	34	18.0	8.4	1.6	37
Great Heart Seed	HT-7393VT2P	204.4	—	—	55.9	38	19.6	9.4	0.0	33
Revere Seed	1627TC	204.3	—	—	57.0	36	17.8	9.2	0.0	33
Croplan	CP5550VT2P	203.3	220.8	227.1	55.4	35	20.0	8.5	0.0	33
Beck's Hybrids	6803V2P	202.9	—	—	57.7	42	18.0	9.9	0.0	35
Progeny Ag	PGY 2015VT2P	202.7	215.0	220.1	59.5	40	16.8	8.7	2.0	30
MorCorn	MC 4725	202.2	237.1	230.4	58.1	33	16.6	9.0	0.0	34
Dyna-Gro	D57CV53	201.5	—	—	57.9	45	19.1	8.8	0.0	30
Beck's Hybrids	6743AML	201.0	201.9	—	57.5	44	16.5	10.2	0.0	31
Augusta Seed	A1367	200.6	204.3	209.3	56.9	40	18.7	8.8	0.0	35
Revere Seed	1577VT2	199.8	221.3	221.3	57.8	40	19.0	8.4	0.0	34
Gateway Seed	1717 VT2Pro	199.3	214.0	—	56.7	43	20.6	8.6	0.0	36
Croplan	X20117C/VT2P *	198.8	—	—	57.9	35	18.5	9.2	0.0	31
AgriGold	A646-30VT2PRO	195.7	—	—	56.4	38	17.8	8.8	0.0	37
Dyna-Gro	D52VC63	195.2	205.4	—	57.3	42	18.2	9.8	0.0	29
AgriGold	A643-52VT2RIB	192.7	—	—	57.1	35	17.4	9.1	0.0	34
Progeny Ag	PGY 9114VT2P	188.3	—	—	57.7	37	17.3	9.0	0.0	34
Innvictis	MEX1791VT2P	187.6	—	—	56.5	38	19.3	8.9	0.0	36
BH Genetics	BH 8721VT2P	184.8	209.4	215.6	57.8	39	17.5	8.4	0.0	35
Revere Seed	1707VT2P	180.9	208.6	212.8	57.7	35	18.1	9.0	0.0	34
Mean		215.6								
CV		13.0								
LSD (0.05)		39.0								
R <sup>2</sup>		29.0								
Error DF		183.0								

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

# TODD HEIGLE FARM, ROLLING FORK (IRRIGATED)

## Crop Summary

The plots were planted flat 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

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

Soil type .....Commerce silty clay loam

Soil pH .....6.2

Soil fertility .....P=H, K=H

Fertilizer .....At planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on March 29

Topdress — N @ 220 units (32% UAN)

Herbicide .....Preemergence — Gramoxone @ 32 oz/A, Atrazine @ 32 oz/A, and Corvus @ 5 oz/A on March 29

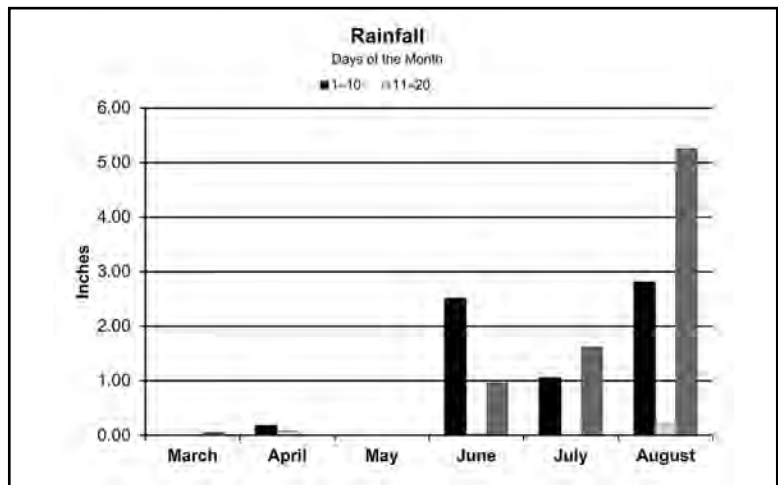
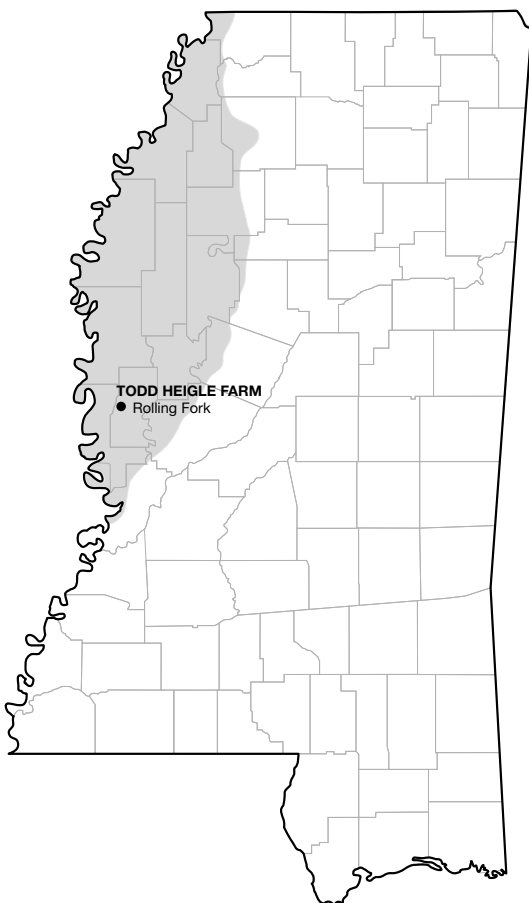
Postemergence — Halex GT @ 3.5 pt/A

Previous crop ...Soybean

Planting date ...March 29

Harvest date ...August 31

Irrigation .....Pivot irrigation as needed



## Rainfall Summary

	Inches
March .....	0.05
April .....	0.25
May .....	0.00
June .....	3.48
July .....	2.67
August .....	8.27
<b>Total .....</b>	<b>14.72</b>



**Table 14. Results from 61 corn hybrids grown with furrow irrigation on a Commerce silty clay loam soil near Rolling Fork, 2022.**

Brand	Hybrid <sup>1</sup>	2022 yield	2-year average	3-year average <sup>2</sup>	Test weight	Ear height	Moisture content	Plant height	Harvested population
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>
Innvictis	A1551VT2P	272.5	—	—	55.4	32	16.7	7.9	33
Innvictis	MEX1791VT2P	269.2	—	—	54.6	32	16.0	7.6	37
DeKalb	DKC65-99	267.6	237.0	—	56.2	36	16.4	8.0	35
Revere Seed	1898TC	267.5	225.6	—	56.8	36	16.4	8.3	33
DeKalb	DKC69-99	267.1	262.5	—	57.9	35	16.3	8.0	35
Great Heart Seed	HT-7499TRE	265.8	—	—	55.9	38	16.0	8.4	36
DeKalb	DKC70-45	265.5	—	—	56.3	32	16.6	7.6	33
MorCorn	MC 4527	262.5	—	—	55.3	39	15.6	9.1	35
DeKalb	DKC66-06	261.9	—	—	56.2	37	15.9	8.2	30
Great Heart Seed	HT-7393VT2P	261.7	—	—	53.8	40	17.1	8.8	38
Revere Seed	1577VT2	259.7	265.3	—	56.1	34	16.4	7.9	31
Great Heart Seed	HT7256 DGVT2P	259.2	254.8	—	56.2	41	16.2	8.6	35
DeKalb	DKC70-27	258.4	254.8	—	56.3	37	16.2	8.9	30
DeKalb	DKC68-69	258.0	243.4	—	57.6	35	17.7	8.0	31
Gateway Seed	2716	257.9	—	—	57.2	33	16.6	8.4	36
Innvictis	A1689T	256.0	—	—	57.6	35	16.1	8.6	35
Progeny Ag	PGY 9117VT2P	254.1	253.2	—	57.4	34	15.6	8.1	32
Revere Seed	1627TC	253.8	—	—	55.4	38	16.0	7.9	34
DeKalb	DKC62-70	253.4	—	—	57.0	35	15.3	7.8	34
BH Genetics	X22002VT2P *	253.3	—	—	56.8	40	16.4	8.6	35
Progeny Ag	PGY 2015VT2P	252.9	256.0	—	57.0	36	14.9	7.5	31
Dyna-Gro	D58VC65	252.5	237.0	—	57.4	35	15.6	8.1	32
Great Heart Seed	HT-7541TRE	251.9	—	—	56.9	40	16.0	8.6	38
LG Seeds	69C03	251.5	—	—	57.5	37	15.0	8.1	31
Croplan	CP5497VT2P	248.3	239.9	—	55.5	40	16.2	8.5	32
Revere Seed	1919VT2P	248.0	227.6	—	55.7	40	16.8	8.4	32
LG Seeds	67C07	247.0	—	—	56.4	36	16.1	8.2	32
Dyna-Gro	D55VC80	246.5	251.4	—	56.1	40	15.9	8.0	34
Croplan	CP5550VT2P	246.5	249.0	—	54.8	34	16.5	8.3	36
MorCorn	MC 4725	246.1	253.1	—	56.8	35	15.5	8.4	34
AgriGold	A647-79VT2PRO	241.3	—	—	57.3	36	16.0	7.6	29
AgriGold	A645-16VT2PRO	240.6	242.5	—	56.4	39	15.5	7.6	33
Progeny Ag	2216VT2P	240.1	—	—	56.5	38	15.7	8.3	29
Dyna-Gro	D54VC14	239.8	238.7	—	57.3	40	15.5	8.1	35
Gateway Seed	9714 VT2Pro	239.2	246.3	—	55.8	35	16.2	8.2	33
Revere Seed	1307TC	238.8	240.2	—	55.3	35	15.6	7.5	31
BH Genetics	BH 8721VT2P	238.1	251.0	—	55.4	32	15.5	8.2	35
DeKalb	DKC68-35	237.2	—	—	56.4	43	16.4	8.6	34
Beck's Hybrids	6414V2P	237.0	231.6	—	56.3	33	15.5	7.7	32
LG Seeds	66C06	236.5	—	—	54.7	32	16.2	8.0	34
Croplan	CP5678VT2P	236.1	—	—	57.0	37	16.2	8.3	33
MorCorn	MC 4311	235.0	248.5	—	55.2	34	16.4	7.7	25
Progeny Ag	PGY 9114VT2P	234.4	—	—	56.4	39	15.6	8.2	32
Great Heart Seed	HT-7425DGVT2P	233.8	234.5	—	55.8	37	16.5	8.6	35
LG Seeds	LG66C44	233.2	230.2	—	55.7	31	16.6	7.9	31
Progeny Ag	PGY 2118VT2P	233.1	220.9	—	56.6	40	16.7	8.2	34
Augusta Seed	A1367	232.5	246.4	—	55.6	39	16.6	8.2	34
AgriGold	A643-52VT2RIB	230.2	—	—	57.0	36	15.5	9.0	35
Beck's Hybrids	6803V2P	229.8	—	—	56.7	36	15.9	8.4	33
Revere Seed	1525V	229.0	—	—	55.9	38	15.6	9.1	31
AgriGold	A646-30VT2PRO	227.3	—	—	56.1	36	15.3	8.8	33
Progeny Ag	2215TRE	227.2	—	—	55.9	41	15.4	8.4	34
Croplan	X20117C/VT2P *	226.7	—	—	55.9	36	16.5	8.4	31
Great Heart Seed	HT-7302VT2P	223.8	239.1	—	56.6	34	15.8	8.5	34
Dyna-Gro	D52VC63	222.0	223.2	—	56.7	39	16.1	8.5	33
AgriGold	A650-21VT2PRO	220.5	—	—	55.6	34	15.8	8.2	34
Revere Seed	1707VT2P	217.5	221.9	—	57.1	37	15.8	8.6	35
Dyna-Gro	D57VC51	217.3	233.1	—	55.9	31	16.3	7.8	35
Gateway Seed	1717 VT2Pro	216.6	206.9	—	56.3	38	17.7	8.3	35
Dyna-Gro	D57CV53	212.9	—	—	56.4	35	16.5	7.9	31
Beck's Hybrids	6743AML	212.4	215.7	—	55.3	38	15.6	9.0	35
Mean		243.5							
CV		10.4							
LSD (0.05)		35.4							
R <sup>2</sup>		33.0							
Error DF		183.0							

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

<sup>2</sup>No 3-year average

# MAFES DELTA BRANCH, STONEVILLE (CLAY)

## Crop Summary

The plots were planted in late March 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. Favorable weather allowed for a

March planting window. 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 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 March 29

Sidedress — 32 % UAN @ 120 units on April 24; 32% UAN @ 120 units on May 5

Herbicide . . . . .Preemergence — Gramoxone @ 1 qt/A, Atrazine @ 2 qt/A, and Corvus @ 5 oz/A on March 29

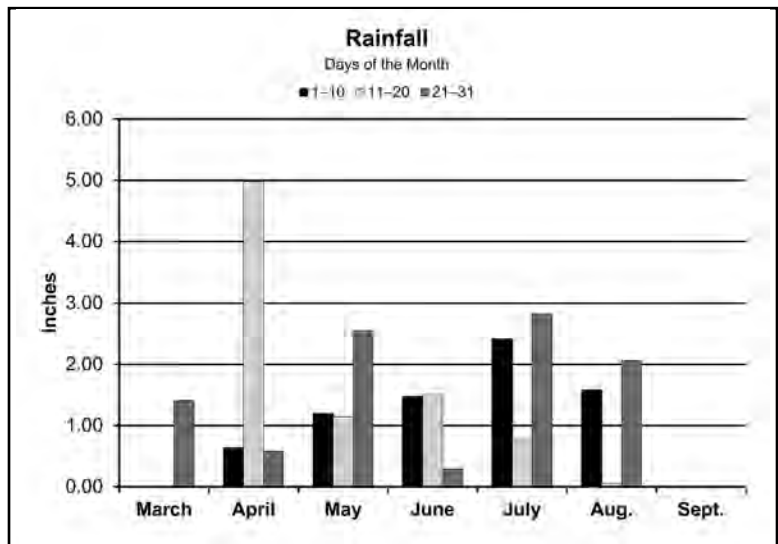
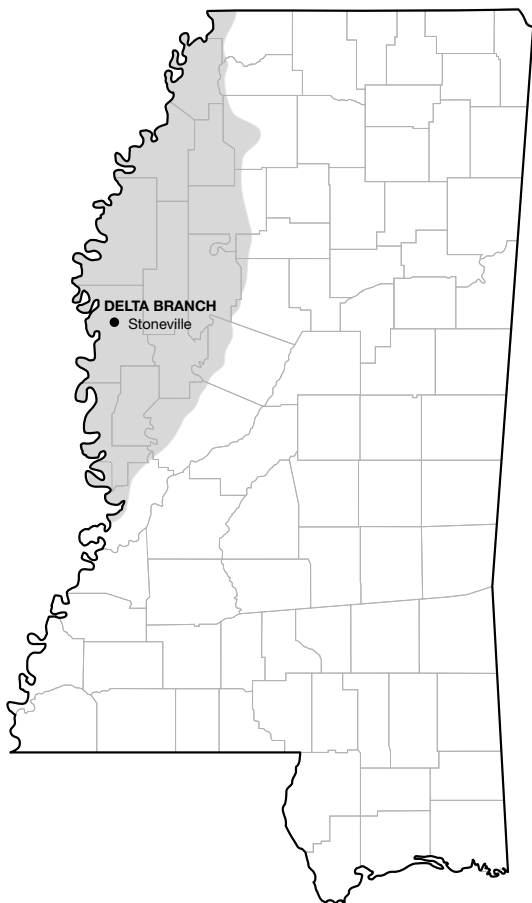
Postemergence — Roundup PowerMax @ 24 oz/A and Acuron @ 2 qt/A on May 20

Previous crop . . .Soybean

Planting date . . .March 29

Harvest date . . .September 2

Irrigation . . . . .Furrow irrigation as needed



## Rainfall Summary

	Inches
March . . . . .	1.41
April . . . . .	6.19
May . . . . .	4.88
June . . . . .	3.27
July . . . . .	6.00
August . . . . .	3.69
September . . . . .	0.00
<b>Total . . . . .</b>	<b>25.44</b>

**Table 15. Results from 61 corn hybrids grown with furrow irrigation on a Sharkey clay soil at the MAFES Delta Branch, Stoneville, 2022.**

Brand	Hybrid <sup>1</sup>	2022 yield	2-year average	3-year average	Test weight	Ear height	Moisture content	Plant height	Stalk lodging	Harvested population
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>%</i>	<i>x1000</i>
Gateway Seed	2716	281.3	—	—	—	34	—	8.3	0.0	34
DeKalb	DKC66-06	266.6	—	—	—	35	—	8.2	0.0	30
Great Heart Seed	HT-7499TRE	266.4	—	—	—	32	—	8.1	1.6	37
DeKalb	DKC69-99	265.9	239.8	247.0	—	35	—	8.4	1.7	35
Inn victis	MEX1791VT2P	265.3	—	—	—	34	—	7.6	0.0	37
Inn victis	A1689T	260.4	—	—	—	34	—	7.8	0.0	37
DeKalb	DKC70-45	258.7	—	—	—	35	—	7.8	8.5	34
Croplan	CP5497VT2P	258.7	240.9	—	—	35	—	8.5	0.0	32
Revere Seed	1577VT2	258.2	249.8	250.1	—	33	—	7.6	1.9	31
DeKalb	DKC70-27	257.7	251.1	256.7	—	34	—	8.4	1.9	31
Inn victis	A1551VT2P	256.6	—	—	—	29	—	7.6	0.0	34
Progeny Ag	2216VT2P	255.8	—	—	—	34	—	8.0	0.0	33
Great Heart Seed	HT-7393VT2P	255.7	—	—	—	34	—	8.0	3.2	37
Progeny Ag	PGY 2118VT2P	255.5	238.9	—	—	35	—	7.8	0.0	33
DeKalb	DKC65-99	255.4	239.3	240.7	—	35	—	7.8	0.0	34
DeKalb	DKC62-70	254.9	—	—	—	30	—	7.7	0.0	36
LG Seeds	LG66C44	254.9	258.1	252.3	—	31	—	7.2	0.0	35
Revere Seed	1525V	254.7	—	—	—	38	—	8.7	0.0	33
Revere Seed	1627TC	254.7	—	—	—	32	—	7.8	3.6	33
Dyna-Gro	D52VC63	254.6	237.0	—	—	34	—	8.0	0.0	34
Dyna-Gro	D58VC65	253.1	237.5	236.2	—	34	—	7.7	0.0	31
DeKalb	DKC68-35	252.8	—	—	—	28	—	7.8	1.8	32
Dyna-Gro	D54VC14	252.7	246.8	—	—	34	—	8.0	0.0	35
DeKalb	DKC68-69	250.9	256.2	249.7	—	31	—	7.5	1.6	37
Croplan	CP5678VT2P	250.4	—	—	—	30	—	7.6	0.0	33
AgriGold	A647-79VT2PRO	250.0	—	—	—	34	—	8.4	2.0	29
Great Heart Seed	HT7256 DGV2P	248.6	250.3	248.1	—	36	—	7.7	0.0	36
MorCorn	MC 4527	247.7	—	—	—	33	—	8.1	10.2	28
Revere Seed	1707VT2P	247.1	242.0	243.6	—	34	—	7.4	0.0	31
Revere Seed	1898TC	245.7	243.1	239.9	—	33	—	7.4	1.8	32
Augusta Seed	A1367	245.7	245.6	252.8	—	36	—	8.1	0.0	33
Great Heart Seed	HT-7541TRE	245.5	—	—	—	34	—	8.7	0.0	37
BH Genetics	BH 8721VT2P	245.4	250.7	246.8	—	32	—	7.8	1.8	33
Croplan	CP5550VT2P	245.2	244.3	244.2	—	30	—	8.1	1.7	34
Gateway Seed	1717 VT2Pro	244.8	245.2	—	—	33	—	7.4	3.4	34
LG Seeds	67C07	244.8	—	—	—	30	—	7.2	0.0	34
AgriGold	A646-30VT2PRO	244.3	—	—	—	35	—	8.4	0.0	31
Dyna-Gro	D57CV53	243.0	—	—	—	30	—	8.5	0.0	33
Dyna-Gro	D55VC80	242.7	242.4	237.5	—	36	—	8.3	4.1	28
MorCorn	MC 4725	242.2	250.2	247.9	—	36	—	7.4	14.3	33
Great Heart Seed	HT-7302VT2P	239.7	233.8	240.9	—	28	—	7.5	0.0	33
Revere Seed	1919VT2P	239.6	232.2	—	—	28	—	7.4	0.0	34
LG Seeds	66C06	238.1	—	—	—	30	—	7.9	3.6	32
AgriGold	A645-16VT2PRO	237.5	238.0	239.1	—	32	—	7.6	0.0	29
Progeny Ag	PGY 9117VT2P	237.0	245.6	251.7	—	37	—	8.1	0.0	30
MorCorn	MC 4311	235.8	243.9	—	—	28	—	7.3	3.5	33
AgriGold	A643-52VT2RIB	235.8	—	—	—	35	—	7.8	0.0	33
BH Genetics	X22002VT2P *	234.0	—	—	—	33	—	7.7	0.0	37
Great Heart Seed	HT-7425DGV2P	233.6	238.7	241.8	—	32	—	7.9	1.7	35
Progeny Ag	PGY 9114VT2P	232.2	—	—	—	33	—	7.5	0.0	31
Beck's Hybrids	6803V2P	231.7	—	—	—	34	—	7.6	3.7	31
AgriGold	A650-21VT2PRO	230.2	—	—	—	30	—	7.1	0.0	33
Croplan	X20117C/VT2P *	229.1	—	—	—	36	—	7.6	0.0	36
LG Seeds	69C03	228.6	—	—	—	32	—	7.8	0.0	34
Progeny Ag	PGY 2015VT2P	227.9	233.3	235.9	—	36	—	7.4	0.0	28
Dyna-Gro	D57VC51	227.6	217.7	231.1	—	33	—	8.2	0.0	33
Gateway Seed	9714 VT2Pro	226.3	227.1	—	—	29	—	7.5	0.0	30
Revere Seed	1307TC	225.8	233.0	240.3	—	29	—	7.8	1.8	33
Beck's Hybrids	6414V2P	225.6	239.3	—	—	32	—	7.9	2.1	28
Progeny Ag	2215TRE	219.6	—	—	—	35	—	7.5	0.0	33
Beck's Hybrids	6743AML	204.9	233.2	—	—	32	—	8.2	1.7	35
Mean		245.5								
CV		9.4								
LSD (0.05)		32.0								
R <sup>2</sup>		31.0								
Error DF		183.0								

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

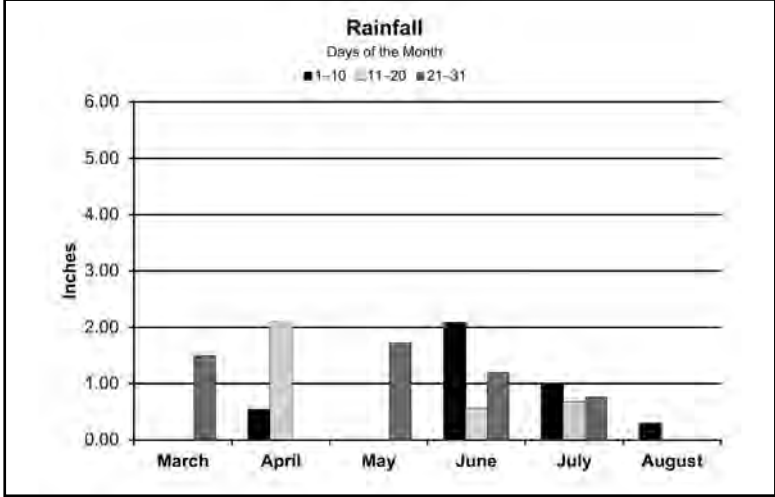
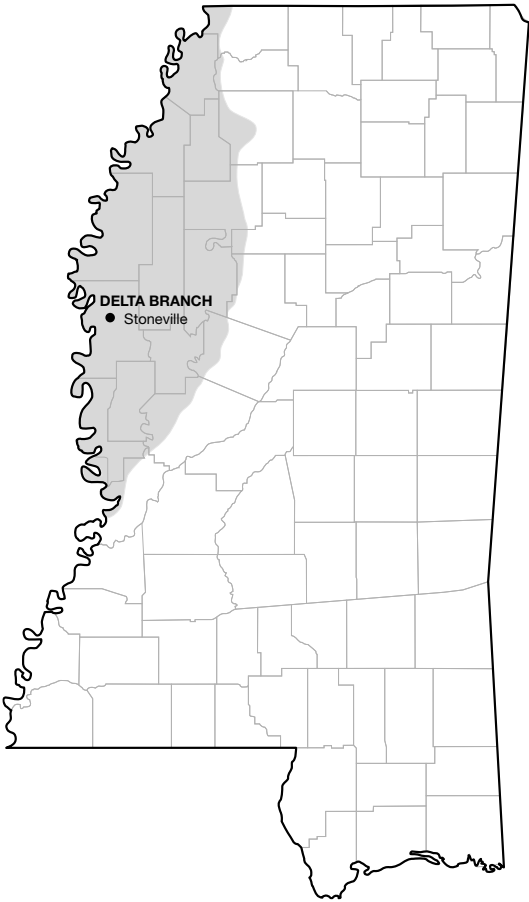
# MAFES DELTA BRANCH, STONEVILLE (LOAM) IRRIGATED

## Crop Summary

The plots were planted in late March into a seedbed with good soil moisture. The beds were rolled flat just prior to planting. All plots emerged to a good stand.

Timely rainfall, in combination with furrow irrigation, 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 March 29**  
                                   **Preplant – 21-0-0-24S @ 100 lb/A**  
                                   **Sidedress – 32% UAN @ 120 units on April 22; 32% UAN @ 120 units on May 4**
- Herbicide . . . . . **Preemergence – Gramoxone @ 32 oz/A, Atrazine @ 32 oz/A, and Corvus @ 5 oz/A on March 29**  
                                   **Postemergence – Roundup PowerMax @ 24 oz/A and Acuron @ 2 qt/A on May 20**
- Previous crop . . . **Soybean**
- Planting date . . . **March 29**
- Harvest date . . . **August 19**
- Irrigation . . . . . **Furrow irrigated as needed**



## Rainfall Summary

	Inches
March . . . . .	1.49
April . . . . .	2.63
May . . . . .	1.72
June . . . . .	3.85
July . . . . .	2.42
August . . . . .	0.29
<b>Total . . . . .</b>	<b>12.40</b>

**Table 16. Results from 61 corn hybrids grown with furrow irrigation on a Bosket very fine sandy loam soil at the MAFES Delta Branch, Stoneville, 2022.**

Brand	Hybrid <sup>1</sup>	2022 yield	2-year average	3-year average	Test weight	Ear height	Moisture content	Plant height	Stalk lodging	Harvested population
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>%</i>	<i>x1000</i>
DeKalb	DKC70-45	251.3	—	—	55.1	38	19.5	7.7	0.0	35
MorCorn	MC 4527	251.1	—	—	56.7	38	16.3	8.7	0.0	35
Revere Seed	1577VT2	250.8	257.2	245.0	56.0	33	18.8	8.0	5.2	34
DeKalb	DKC66-06	247.8	—	—	56.3	38	18.4	8.5	4.8	36
Croplan	CP5497VT2P	243.1	230.2	—	54.8	38	19.3	9.1	6.9	34
Gateway Seed	1717 VT2Pro	240.4	241.7	—	56.0	44	20.5	8.7	0.0	36
Revere Seed	1898TC	239.3	242.3	231.6	56.2	40	18.6	9.4	1.8	32
Innvictis	A1551VT2P	237.3	—	—	54.8	34	19.3	8.5	1.5	36
Great Heart Seed	HT-7541TRE	234.0	—	—	55.4	36	19.8	8.9	0.0	36
Gateway Seed	2716	233.6	—	—	54.8	37	19.8	9.3	0.0	35
LG Seeds	LG66C44	233.1	236.4	229.5	55.9	30	19.6	7.3	0.0	37
Revere Seed	1525V	231.9	—	—	55.5	39	17.2	8.9	3.4	34
AgriGold	A643-52VT2RIB	230.9	—	—	55.6	42	18.1	9.0	6.9	34
Beck's Hybrids	6414V2P	230.9	243.0	—	56.3	36	16.9	8.2	0.0	31
DeKalb	DKC69-99	230.4	228.8	230.0	56.0	36	20.3	8.5	0.0	35
AgriGold	A647-79VT2PRO	229.5	—	—	56.2	34	19.3	8.4	2.0	30
Revere Seed	1627TC	229.3	—	—	55.4	45	18.2	9.0	0.0	35
LG Seeds	66C06	227.8	—	—	54.8	37	18.1	8.4	0.0	37
DeKalb	DKC68-35	227.3	—	—	56.0	36	18.1	8.0	3.9	30
LG Seeds	69C03	226.8	—	—	55.2	33	17.9	8.1	0.0	36
Great Heart Seed	HT-7499TRE	225.9	—	—	55.7	40	19.0	8.7	0.0	35
Dyna-Gro	D58VC65	225.3	233.0	222.0	56.5	31	17.5	8.2	0.0	35
Innvictis	A1689T	225.2	—	—	56.3	31	19.3	8.1	1.9	31
AgriGold	A646-30VT2PRO	225.2	—	—	55.1	46	17.7	9.2	1.9	30
BH Genetics	X22002VT2P *	224.7	—	—	56.5	40	18.7	9.2	1.8	33
Revere Seed	1919VT2P	224.5	225.6	—	55.3	33	18.3	8.1	1.6	36
Innvictis	MEX1791VT2P	224.4	—	—	53.2	35	20.2	9.0	2.9	37
Revere Seed	1307TC	224.3	233.5	227.7	55.5	38	17.4	8.1	1.6	35
Great Heart Seed	HT-7425DGV2P	221.4	234.4	232.3	54.9	33	18.7	8.7	0.0	34
Croplan	CP5550VT2P	221.0	231.0	225.9	53.5	39	19.1	8.1	3.6	32
Progeny Ag	PGY 2015VT2P	220.9	216.9	215.8	57.0	39	17.3	9.1	0.0	31
Dyna-Gro	D54VC14	220.4	230.4	—	56.8	30	17.0	7.7	0.0	30
Dyna-Gro	D55VC80	220.3	222.7	217.7	55.7	34	18.3	7.4	0.0	31
DeKalb	DKC62-70	220.3	—	—	55.0	39	19.1	9.1	0.0	35
Progeny Ag	2215TRE	219.5	—	—	55.9	45	16.5	9.2	0.0	35
Great Heart Seed	HT7256 DGV2P	219.4	230.2	224.2	55.7	41	19.3	8.4	0.0	35
Progeny Ag	2216VT2P	219.3	—	—	55.8	37	18.8	9.2	1.8	32
Gateway Seed	9714 VT2Pro	217.5	224.2	—	55.6	36	18.1	8.1	1.8	33
Augusta Seed	A1367	217.0	220.8	223.0	55.7	35	18.9	8.6	0.0	29
Croplan	X20117C/VT2P *	215.4	—	—	55.8	39	18.3	9.0	0.0	28
Great Heart Seed	HT-7393VT2P	215.3	—	—	54.2	43	19.8	8.8	0.0	34
Progeny Ag	PGY 9117VT2P	214.8	234.2	223.2	56.7	42	17.8	8.9	0.0	31
AgriGold	A650-21VT2PRO	214.0	—	—	55.2	40	17.7	9.2	0.0	32
LG Seeds	67C07	213.6	—	—	56.1	33	18.4	8.1	3.4	34
Progeny Ag	PGY 2118VT2P	213.2	220.4	—	55.8	44	19.8	9.0	3.9	30
Beck's Hybrids	6803V2P	212.8	—	—	56.6	36	17.2	9.4	0.0	35
Dyna-Gro	D57VC51	212.1	238.7	234.7	56.0	30	17.3	7.6	0.0	33
Dyna-Gro	D52VC63	212.0	218.5	—	55.2	33	18.8	7.5	0.0	31
DeKalb	DKC65-99	211.8	227.4	224.1	55.5	31	19.8	8.1	0.0	41
AgriGold	A645-16VT2PRO	211.6	224.2	220.5	56.3	42	17.3	8.8	0.0	34
Croplan	CP5678VT2P	211.4	—	—	56.1	40	18.3	8.7	5.7	31
Great Heart Seed	HT-7302VT2P	210.9	228.8	223.1	56.3	38	17.7	7.6	1.7	34
MorCorn	MC 4311	209.3	219.3	—	55.4	36	18.5	8.0	3.8	30
MorCorn	MC 4725	208.1	216.0	217.1	56.5	37	16.6	8.0	9.7	36
DeKalb	DKC68-69	205.7	228.5	226.8	56.0	34	20.4	8.2	0.0	35
Dyna-Gro	D57CV53	204.8	—	—	55.7	36	20.3	8.0	1.6	35
Revere Seed	1707VT2P	203.3	209.4	203.9	56.9	39	18.1	8.3	0.0	33
Beck's Hybrids	6743AML	203.2	238.2	—	56.1	42	16.4	9.9	0.0	35
DeKalb	DKC70-27	203.1	228.1	228.8	55.1	34	19.8	7.6	0.0	33
BH Genetics	BH 8721VT2P	199.9	219.8	223.0	55.7	42	17.8	9.2	1.8	33
Progeny Ag	PGY 9114VT2P	193.9	—	—	55.8	37	17.6	8.9	2.0	29
Mean		222.0								
CV		10.2								
LSD (0.05)		31.5								
R <sup>2</sup>		30.0								
Error DF		183.0								

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

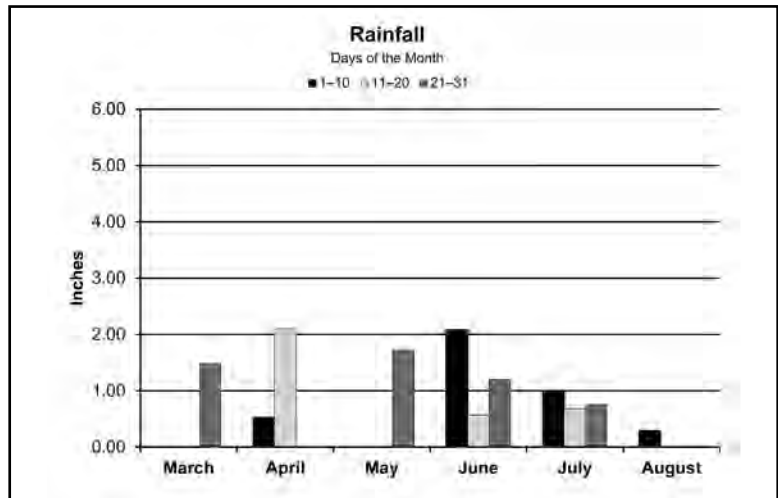
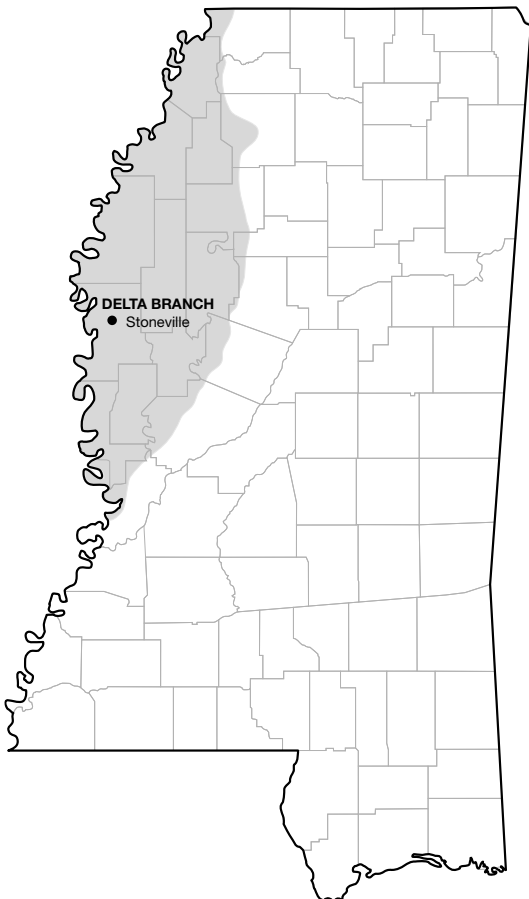
# DELTA BRANCH, STONEVILLE (LOAM) NONIRRIGATED

## Crop Summary

The plots were planted in late March into a seedbed with good soil moisture. The beds were rolled flat just prior to planting. All plots emerged to a good stand. The

growing season was hot and dry. Well-below-average rainfall was recorded during the growing 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 March 29**  
                   **Preplant – 21-0-0-24S @ 100 lb/A**  
                   **Sidedress – 32% UAN @ 120 units on April 22; 32% UAN @ 120 units on May 4**  
 Herbicide .....**Preemergence – Gramoxone @ 32 oz/A, Atrazine @ 32 oz/A, and Corvus @ 5 oz/A on March 29**  
                   **Postemergence – Roundup PowerMax @ 24 oz/A and Acuron @ 2 qt/A on May 20**  
 Previous crop ...**Soybean**  
 Planting date ...**March 29**  
 Harvest date ...**August 19**



## Rainfall Summary

	Inches
March	1.49
April	2.63
May	1.72
June	3.85
July	2.42
August	0.29
<b>Total</b>	<b>12.40</b>

**Table 17. Results from 44 corn hybrids grown without irrigation on a Bosket very fine sandy loam soil at the MAFES Delta Branch, Stoneville, 2022.**

<b>Brand</b>	<b>Hybrid</b>	<b>2022 yield</b>	<b>2-year average</b>	<b>3-year average</b>	<b>Test weight</b>	<b>Ear height</b>	<b>Moisture content</b>	<b>Plant height</b>	<b>Stalk lodging</b>	<b>Harvested population</b>
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>%</i>	<i>x1000</i>
AgriGold	A643-52VT2RIB	234.3	—	—	54.9	41	19.4	8.9	4.5	27
Revere Seed	1898 TC	227.0	233.9	228.6	57.7	35	14.7	8.8	2.2	24
Revere Seed	1307TC	213.2	217.2	216.1	55.5	38	16.6	8.2	0.0	28
Dyna-Gro	D58VC65	210.3	211.9	204.5	56.3	30	17.0	7.7	0.0	25
Progeny Ag	2215TRE	209.9	217.3	—	56.1	38	17.4	9.0	0.0	28
MorCorn	MC 4725	209.6	213.0	205.1	57.1	36	17.2	8.2	0.0	28
Dyna-Gro	D54VC14	207.7	211.6	—	56.7	29	15.4	8.1	0.0	25
Progeny Ag	PGY2015VT2P	204.1	205.2	193.2	58.1	40	15.3	8.0	0.0	27
DeKalb	DKC70-45	202.2	—	—	57.2	40	16.2	8.1	0.0	29
AgriGold	A647-79VT2PRO	198.0	—	—	56.4	35	16.1	8.3	0.0	29
Gateway Seed	9714 VT2Pro	196.6	—	—	57.1	32	14.8	8.1	4.5	23
Gateway Seed	1717 VT2Pro	193.3	—	—	56.7	36	17.3	8.7	9.4	28
MorCorn	MC 4311	193.1	207.7	—	55.9	35	16.8	8.0	0.0	28
LG Seeds	66C06	193.0	—	—	56.3	41	15.7	9.0	0.0	29
DeKalb	DKC62-70	191.6	—	—	55.6	42	16.7	8.6	0.0	32
DeKalb	DKC68-35	189.9	—	—	56.9	42	15.6	8.6	11.0	29
Revere Seed	1919VT2P	188.6	197.8	—	57.0	37	17.2	9.0	10.2	32
Dyna-Gro	D57VC51	188.4	203.6	204.2	55.6	40	16.8	8.0	11.1	25
DeKalb	DKC68-69	186.7	202.8	202.9	57.6	43	17.0	8.6	0.0	29
Revere Seed	1627TC	185.3	—	—	55.7	36	15.0	8.4	0.0	30
Great Heart Seed	HT-7302VT2P	185.0	207.6	205.4	56.5	27	14.8	7.9	2.0	26
Gateway Seed	2716	184.8	—	—	56.7	40	15.0	8.1	2.1	25
DeKalb	DKC66-06	184.4	—	—	56.2	47	15.6	9.1	0.0	27
DeKalb	DKC65-99	184.3	200.2	196.3	56.0	39	17.4	7.9	0.0	30
LG Seeds	LG66C44	182.6	184.2	190.8	56.3	42	15.8	9.2	3.7	28
DeKalb	DKC69-99	181.8	197.7	200.2	57.2	39	17.1	8.1	3.8	27
LG Seeds	67C07	180.9	—	—	57.8	30	15.4	8.0	0.0	29
AgriGold	A645-16VT2PRO	177.9	196.1	200.0	56.3	34	16.8	8.3	3.7	28
Progeny Ag	2216VT2P	175.1	184.6	—	55.2	39	18.1	8.3	5.5	29
Revere Seed	1707 VT2P	175.0	193.5	196.6	57.7	32	16.0	8.0	3.7	28
Revere Seed	1525V	174.7	—	—	55.3	34	15.3	8.7	7.4	28
Great Heart Seed	HT-7541TRE	174.3	—	—	56.6	33	16.4	8.0	2.3	25
Great Heart Seed	HT-7499TRE	174.2	—	—	55.9	35	15.6	8.4	3.8	27
Progeny Ag	PGY 9117VT2P	172.9	200.2	195.4	57.4	39	15.1	7.9	2.2	24
LG Seeds	69C03	171.8	—	—	55.8	35	14.8	9.0	0.0	32
Revere Seed	1577VT2	167.7	195.7	200.6	57.2	39	15.0	8.8	0.0	28
MorCorn	MC 4527	158.8	—	—	57.1	40	13.8	8.2	0.0	28
AgriGold	A650-21VT2PRO	156.6	—	—	56.8	41	15.4	9.0	1.9	28
Dyna-Gro	D52VC63	155.9	180.6	—	55.7	35	16.6	8.1	2.3	23
Progeny Ag	PGY 9114VT2P	154.9	190.8	197.0	56.9	32	13.6	8.3	9.5	25
Progeny Ag	PGY 2118VT2P	154.1	180.7	—	57.2	31	15.6	8.2	2.2	24
DeKalb	DKC70-27	153.1	185.6	194.0	56.5	31	15.4	8.0	2.0	26
Dyna-Gro	D57CV53	146.8	—	—	57.2	43	16.3	8.2	2.5	25
Dyna-Gro	D55VC80	135.5	163.6	—	56.5	35	13.8	7.2	2.0	26
Mean		183.8								
CV		20.0								
LSD (0.05)		52.0								
R <sup>2</sup>		29.0								
Error DF		132.0								

# MAFES NORTHEAST MISSISSIPPI BRANCH, VERONA

## Crop Summary

The corn plots were planted on April 4 into a stale seedbed that had good soil moisture. All plots quickly emerged to a good stand. Rainfall was limited during the

growing season. High temperatures and below-average rainfall were also recorded during the growing season. Harvest was completed in a timely manner without difficulty.

Soil type . . . . .Leeper silty clay

Soil pH . . . . .6.1

Soil fertility . . . . .P=M, K=M

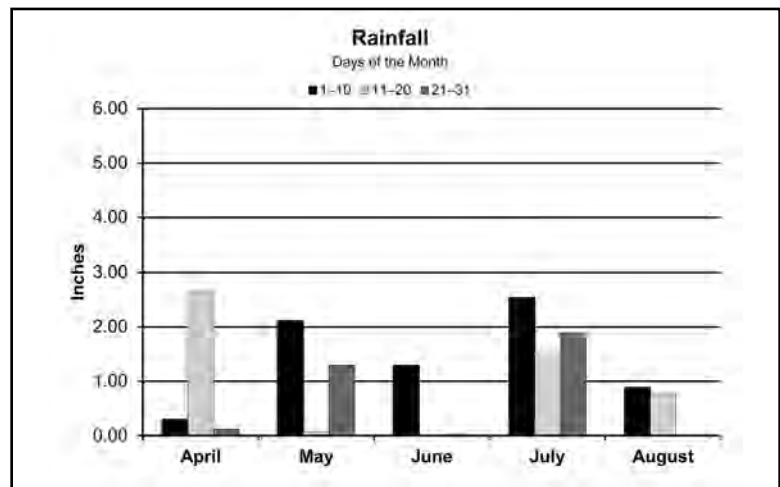
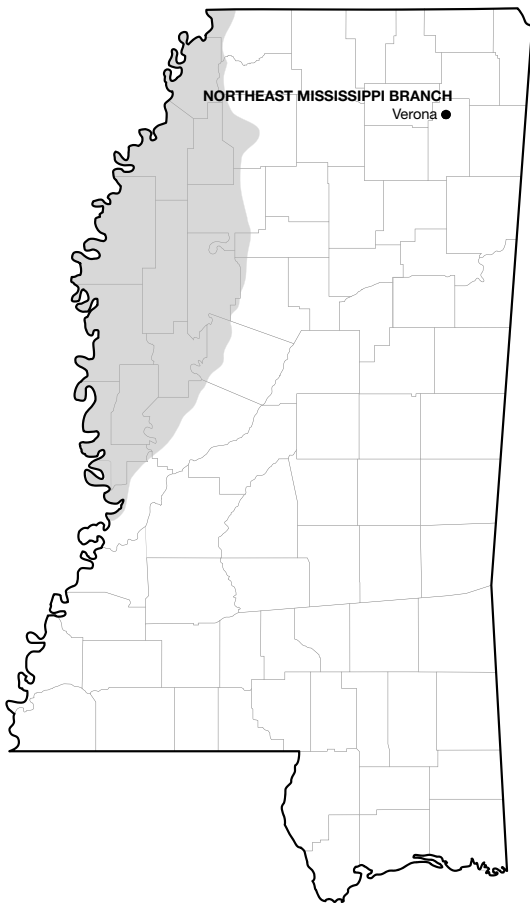
Fertilizer . . . . .At planting — 10-20-5-1S-0.43Zn @ 15 gal/A (applied 2x2) on April 4  
Topdress — N @ 205 lb/A (33-0-0-12S) on May 17

Herbicide . . . . .Preemergence — Gramoxone @ 1 qt/A and Corvus @ 5 oz/A on April 4  
Postemergence — Roundup PowerMax @ 32 oz/A and Acuron @ 2 qt/A on May 17

Previous crop . . .Soybean

Planting date . . .April 4

Harvest date . . .August 18



## Rainfall Summary

	Inches
April . . . . .	.3.07
May . . . . .	.3.47
June . . . . .	.1.31
July . . . . .	.5.95
August . . . . .	.1.64
<b>Total . . . . .</b>	<b>.15.44</b>



**Table 18. Results from 44 corn hybrids grown without irrigation on a Leeper silty clay loam soil at the MAFES Northeast Mississippi Branch, Verona, 2022.**

Brand	Hybrid	2022 yield	2-year average	3-year average	Test weight	Ear height	Moisture content	Plant height	Harvested population
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>in</i>	<i>%</i>	<i>ft</i>	<i>x1000</i>
Revere Seed	1627TC	201.4	—	—	55.9	38	19.0	8.3	36
MorCorn	MC 4527	199.5	—	—	56.8	30	17.9	7.9	34
Progeny Ag	PGY 2118VT2P	199.0	195.3	—	56.1	34	18.9	8.3	34
LG Seeds	67C07	197.4	—	—	55.8	33	19.2	8.0	33
Revere Seed	1707 VT2P	196.0	195.0	197.1	55.3	37	20.4	8.0	31
Gateway Seed	2716	194.1	—	—	55.2	34	20.4	8.2	34
LG Seeds	69C03	191.5	—	—	55.5	39	17.7	8.9	34
Progeny Ag	PGY2015VT2P	186.8	188.6	179.0	56.9	36	17.6	8.6	32
DeKalb	DKC70-27	185.9	189.3	194.5	55.5	31	17.9	7.9	35
Revere Seed	1577VT2	185.4	187.1	189.3	56.7	35	17.7	8.4	35
Progeny Ag	PGY 9114VT2P	183.9	188.7	185.8	56.3	35	17.9	7.9	31
AgriGold	A645-16VT2PRO	182.4	187.3	185.5	56.2	37	19.5	8.6	35
Dyna-Gro	D57CV53	181.1	—	—	55.5	31	20.8	8.2	29
AgriGold	A650-21VT2PRO	181.1	—	—	55.7	40	19.5	8.7	35
DeKalb	DKC68-35	179.6	—	—	55.9	33	18.4	7.8	36
Great Heart Seed	HT-7541TRE	179.5	—	—	57.3	40	19.0	8.0	34
Revere Seed	1307TC	179.0	199.1	198.4	56.1	34	18.3	8.0	35
Revere Seed	1919VT2P	177.7	183.2	—	55.6	32	20.9	8.9	35
Gateway Seed	1717 VT2Pro	177.2	—	—	57.2	34	19.4	8.5	35
DeKalb	DKC70-45	177.0	—	—	57.0	32	19.5	8.0	36
Progeny Ag	PGY 9117VT2P	176.8	185.1	184.3	58.2	41	17.4	9.3	32
Revere Seed	1898 TC	176.8	188.1	186.0	57.1	35	17.7	9.1	35
Dyna-Gro	D55VC80	176.4	181.7	—	55.8	38	18.7	8.3	30
Progeny Ag	2215TRE	176.1	202.3	—	56.1	35	21.1	9.2	33
Dyna-Gro	D54VC14	175.8	183.8	—	56.2	38	19.4	8.3	30
AgriGold	A647-79VT2PRO	175.0	—	—	56.4	34	19.0	8.2	30
DeKalb	DKC68-69	173.3	192.2	193.3	56.3	36	20.4	8.2	35
DeKalb	DKC65-99	171.5	183.5	190.7	56.9	35	19.5	8.1	35
LG Seeds	66C06	167.5	—	—	55.7	32	19.1	8.6	34
Revere Seed	1525V	167.3	—	—	56.3	29	17.7	8.5	32
MorCorn	MC 4311	166.4	187.9	—	56.8	33	18.0	8.4	30
AgriGold	A643-52VT2RIB	166.4	—	—	55.8	38	19.0	8.4	34
DeKalb	DKC66-06	166.0	—	—	55.8	30	17.8	8.2	36
Gateway Seed	9714 VT2Pro	163.0	—	—	56.7	32	17.7	8.1	32
DeKalb	DKC69-99	161.6	177.5	183.5	56.4	36	18.7	8.0	35
Progeny Ag	2216VT2P	158.7	177.5	—	56.5	36	18.8	8.0	34
Dyna-Gro	D52VC63	158.0	181.0	—	56.1	31	18.6	8.3	30
DeKalb	DKC62-70	158.0	—	—	56.7	32	18.6	8.1	35
MorCorn	MC 4725	157.3	182.2	187.0	58.0	37	18.6	8.7	32
Dyna-Gro	D58VC65	156.5	184.8	180.3	56.6	34	18.9	8.2	31
Great Heart Seed	HT-7302VT2P	155.3	173.1	174.9	57.5	40	17.4	7.5	32
Dyna-Gro	D57VC51	149.5	193.3	192.9	55.8	31	19.3	8.1	29
Great Heart Seed	HT-7499TRE	146.1	—	—	56.6	34	17.8	9.2	36
LG Seeds	LG66C44	127.5	164.0	172.3	56.6	39	17.9	8.7	35
Mean		174.1							
CV		15.0							
LSD (0.05)		38.0							
R <sup>2</sup>		29.0							
Error DF		132.0							

**Table 19. Characteristics provided by sponsoring companies  
for corn hybrids entered in the Mississippi Corn for Grain Hybrid Trials, 2022.**

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	A643-52VT2RIB				x						Poncho500+Votivo	113	34
	AgriGold	A645-16VT2RIB				x						Poncho500+Votivo	115	34
	AgriGold	A647-79VT2PRO				x						Poncho500+Votivo	117	34
	AgriGold	A650-21VT2PRO				x						Poncho500+Votivo	120	34
	AgriGold	A646-30VT2PRO				x						Poncho500+Votivo	116	34
Augusta Seed P.O. Box 899 Verona, VA 24482 540-886-6055	Augusta Seed	A1367	x	x								Cruiser 250	117	36
BH Genetics 5933 FM 1157 Ganado, TX 77962 361-771-2755	BH Genetics	BH 8721VT2P				x						P/V 500	117	35
	BH Genetics	X22002VT2P				x						P/V 500	115	35
Croplan	Croplan	CP5497VT2P				x						Fortivant Plus	114	33
	Croplan	CP5550VT2P				x						Fortivant Plus	115	35
	Croplan	CP5678VT2P				x						Fortivant Plus	116	33
	Croplan	X20117CVT2P				x						Fortivant Plus	117	33
Bayer Crop Science 800 Lindbergh Blvd. St. Louis, MO 63167 601-317-2661	DEKALB	DKC62-70	x			x						Poncho Votivo 1250	112	36
	DEKALB	DKC65-99	x							x		Poncho Votivo 1251	115	36
	DEKALB	DKC68-69	x			x						Poncho Votivo 1252	118	36
	DEKALB	DKC69-99	x							x		Poncho Votivo 1253	119	36
	DEKALB	DKC70-27	x			x						Poncho Votivo 1254	120	36
	DEKALB	DKC70-45	x			x						Poncho Votivo 1255	120	36
	DEKALB	DKC68-35	x			x						Poncho Votivo 1256	118	36
	DEKALB	DKC66-06	x							x		Poncho Votivo 1257	116	36
Dyna Gro	Dyna-Gro	D52VC63				x						Poncho 1250	112	34
	Dyna-Gro	D54VC14				x						Poncho 1250	114	34
	Dyna-Gro	D55VC80				x						Poncho 1250	115	34
	Dyna-Gro	D57VC51				x						Poncho 1250	117	34
	Dyna-Gro	D57VC53				x						Poncho 1250	117	34
	Dyna-Gro	D58VC65				x						Poncho 1250	118	34
Great Heart Seed 220 West Washington St. St. Paris, IL 61944 217-465-4132	Great Heart Seed	HT-7425DGV72P				x						Acceleron 500 Votivo	114	38
	Great Heart Seed	HT-7256DGV72P				x						Acceleron 500 Votivo	112	38
	Great Heart Seed	HT-7393VT2P				x						Acceleron 500 Votivo	113	38
	Great Heart Seed	HT-7499TRE				x						Acceleron 500 Votivo	114	38
	Great Heart Seed	HT-7541TRE				x						Acceleron 500 Votivo	115	38
	Great Heart Seed	HT-7302VT2P				x						Acceleron 500 Votivo	113	38
LG Seeds 1122 E. 169th St. Westfield, IN 46074 812-457-3132	LG Seeds	66C44				x						Agrishield Max	116	36
	LG Seeds	66C06				x						Agrishield Max	116	36
	LG Seeds	67C07				x						Agrishield Max	117	38
	LG Seeds	69C03				x						Agrishield Max	119	36
Revere Seed	Revere	1525												34
	Revere	1307 TC	x			x				x		Radius 500	113	34
	Revere	1707 VT2P	x			x				x		Radius 500	117	34
	Revere	1577 VT2P	x			x						Radius 500	115	36
	Revere	1898 TC	x			x				x		Radius 500	118	34
	Revere	1919 VT2P	x			x						Radius 500	119	36
	Revere	1627 TC	x			x				x		Radius 500	116	34
SeedKoz 1725 Windward Concourse Suite 410 Alpharetta, GA 30005 478-957-9865	MorCorn	MC 4311	x								Trecepta	Acceleron 1250	113	36
	MorCorn	MC 4527(SXP1155)	x			x						Acceleron 1250	115	36
	MorCorn	MC4725	x			x						Acceleron 1250	117	36
Progeny AG Products 1529 Hwy. 193 Wynne, AR 72396 979-587-9968	Progeny Ag.	9114VT2P				x						PV1250+EDC+B360	114	34
	Progeny Ag.	2215TRE									Trecepta	PV1250+EDC+B361	115	34
	Progeny Ag.	2015VT2P				x						PV1250+EDC+B362	115	34
	Progeny Ag.	2216VT2P				x						PV1250+EDC+B363	116	34
	Progeny Ag.	9117VT2P				x						PV1250+EDC+B364	117	33
	Progeny Ag.	2118VT2P				x						PV1250+EDC+B365	118	34
Beck's Hybrids	Beck's Hybrids	6414V2P				x						Escalate Nemasect.Poncho500Votivo2.0	114	34
	Beck's Hybrids	6803V2P				x						Escalate Nemasect.Poncho500Votivo2.0	118	34
	Beck's Hybrids	6743AML				x					AcreMax Leptra	Escalate Nemasect.Poncho500Votivo2.0	17	35
Gateway Seed	Gateway Seed	9714				x						Poncho Votivo	114	32
	Gateway Seed	1717				x						Poncho Votivo	117	32
	Gateway Seed	2716				x						Poncho Votivo	116	32
	Gateway Seed	9714				x						Poncho Votivo	114	35
	Gateway Seed	1717				x						Poncho Votivo	117	35
	Gateway Seed	2716				x						Poncho Votivo 1250	116	35
Innivictus Seed	Innivictus Seed	A1551VT2P	x			x						Acceleron 250	115	38
	Innivictus Seed	A1689T	x			x					Trecepta	Acceleron 250	116	38
	Innivictus Seed	MEX1791VT2P	x			x						Acceleron 250	117	38



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Scott Willard, Director

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