Performance of Corn Hybrids in Louisiana, 2017

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TABLE OF CONTENTS

Page

CORN PERFORMANCE TRIALS

Introduction....1
Procedures....1
List of Traits (Table 1)....2
Results....1-2

LAES

Official Variety Trials

Dean Lee Research Station (Alexandria) Trial....3
Summary, Cultural Practices, and Weather Chart....3
Agronomic Data (Table 2)....4

Red River Research Station (Bossier City) Trial....5
Summary, Cultural Practices, and Weather Chart....5
Agronomic Data (Table 3)....6

Northeast Research Station (St. Joseph-Commerce silt loam) Trial....7
Summary, Cultural Practices, and Weather Chart....7
Agronomic Data (Tables 4)....8

Northeast Research Station (St. Joseph-Sharkey silty clay) Trial....9
Summary, Cultural Practices, and Weather Chart....9
Agronomic Data (Tables 5)....10

Macon Ridge Research Station (Winnsboro) Trial....11
Summary, Cultural Practices, and Weather Chart....11
Agronomic Data (Table 6)....12

Summary of Hybrid Yield Performance Across Locations (Table 7)....13
Seed Traits and Hybrid Maturity (Table 8)....14-15
Participating Seed Companies (Table 9)....16

Performance of Corn Hybrids in Louisiana, 2017

H.J. "Rick" Mascagni, Jr.[1], Blair Buckley, Dustin Ezell, Dan Fromme, Boyd Padgett, Paul Price, Keith Shannon, John Stapp, Bill Waltman, and Scott Washam

Performance of corn hybrids is annually evaluated by Louisiana Agricultural Experiment Station (LAES) researchers in Official Variety Trials (OVT's). The purpose of these trials is to provide to Louisiana growers, seedsmen, county agents of the Louisiana Cooperative Extension Service (LCES), and other interested individuals and organizations with unbiased performance data for commercial corn hybrids submitted for evaluation by private agencies. The cooperating LAES units in 2017 were: Dean Lee Research Station, Alexandria; Red River Research Station, Bossier City; Northeast Research Station, St. Joseph; and Macon Ridge Research Station, Winnsboro.

PROCEDURES

In 2017, 40 corn hybrids were entered in the LAES yield trials. Soil type, cultural practices, location summaries, and weather graphs are listed prior to data tables for each location. In weather graphs, maximum and minimum temperatures are weekly averages and rainfall weekly totals. At St. Joseph, trials were conducted both on Commerce silt loam and Sharkey silty clay Mississippi River alluvial soils. Winnsboro trials were furrow irrigated.

The experimental design at each location was a randomized complete block design with four or five replications. Traits measured and rating scales are listed in Table 1. Traits not listed in Table 1 are footnoted at the base of the respective table. Analysis of variance and least significant differences (LSD) were computed using SAS (Statistical Analysis System). We used the protected F-test, which means LSD's were calculated only if differences among hybrids existed at the 90% confidence level. If differences were significant, a LSD at the 10% probability level was calculated. If the LSD (0.10) for yield in a trial is 10 bu/acre, there is a 10% chance that two hybrids with a reported yield difference of 10 bu/acre are genetically equal and a 90% probability they have differences in genetic potential in that particular environment. LSD values are influenced by how well soil fertility, stand establishment, plot length, harvest efficiency, and other variables are controlled and by number of replications for each hybrid. The letters NS are used in the text and tables to indicate lack of significance (not significantly different) at the 10% probability level. The coefficient of variation (CV) reflects the magnitude of experimental error (random variation not accounted for by hybrids and replications) in relation to the trial mean. A high CV means that relative differences among hybrids were not consistent among replications, which reduces the precision of a test.

RESULTS

Yield data for 2017 and two-year averages (2016 and 2017) and other agronomic data for each location are presented in Tables 2-6. To be considered for a two-year average, hybrids must have the same seed traits each year (refer to Table 8). Yields for the hybrids in the highest-yielding group for 2017 (yields falling within one LSD value) are in bold print. Hybrids in bold print with a single asterisk

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are in the highest-yielding group for both years, 2016 and 2017. Yield summary across Louisiana for 2017 is presented in Table 7, seed traits and hybrid maturities are listed in Table 8, and participating seed companies are listed in Table 9. Ratings for corn earworm damage have been taken in previous years; however, there was minimal corn earworm damage in 2017. Foliar diseases were also monitored in the trials with ratings taken at Alexandria and Winnsboro. There was little or no problems with lodging. There were twelve seed companies that participated in the 2017 corn hybrid performance trials.

Table 1. Traits and rating scales for 2017 LAES Official Variety Trials[1].

Trait	Abbreviation	Description
Yield	Yield	Grain yield, bu/a, @ 15.5% harvest grain moisture (2017)
2-year yield average	2- Yr avg	Average grain yield for 2016 and 2017, bu/a
Grain moisture	Gr mo	Grain moisture at harvest, %
Test weight	Test wt	Volume weight of grain, lb/bu
Plant population	Stand	Number of plants at harvest, plt/a
Mid-silking date	Mid-silk	Date of silk emergence in 50% of plants in plots, days after planting (DAP)
Plant height	Plt ht	Height from ground to flag leaf, inches (in)
Ear height	Ear ht	Height from ground to where primary ear attaches to the plant, inches (in)
Husk cover	HC	Measure of how well the kernels are covered by the husk, with ratings of 1-3; 1- closed and 3- open husk
Kernel weight	Ker wt	Grams/100 kernels (g/100)
Kernels per ear (ear size)	KPE	Number of kernels/ear (no/ear)

[1] Traits in tables not listed above will be footnoted at the base of the respective table.

For additional information on corn trials, please contact Dr. Rick Mascagni, NERS (Ph: 318-766-3769; e:mail: hmascagni@agcenter.lsu.edu); or Dr. Dan Fromme, DLRS (Ph: 318-427-4424; e:mail: dfromme@agcenter.lsu.edu).

Corn Hybrid Performance Trial at the Dean Lee Research Station – Alexandria

Location Summary

Rainfall was well distributed throughout the growing season and temperatures remained relatively mild (see graph below). Grain yields ranged from 152.2 to 203.0 bu/acre with a trial average of 175.6 bu/acre in this dryland trial (Table 2). There were three hybrids that fell within the high-yielding group for 2017. There were twenty-two hybrids that had two-year averages with two having average yields of 200 bu/acre or greater. Other agronomic data are presented in Table 2. Southern rust ratings increased between the first and second ratings (June 26 and July 5); however, northern leaf blight ratings remained low for both ratings.

Soil type	Coushatta silt loam
Tillage	Conventional
Row spacing	38 - inch
Seeding rate	36,000 seed/acre
Previous crop	Soybeans
Planting date	April 5
Fertilization	*Pre-plant*: 32 lb P_20_5 and 63 lb K_20/acre (10/17/16); *Post-plant*: 200 lb N/acre (4/7/17); 2 qt Trafix Zn/acre (4/6 and 4/28/17);
Pesticides	*Pre-emerge*: 1 pt Medal II and 1.25 qt Atrazine/acre (3/15/17); *Post-emerge*: 1 qt Atrazine/acre plus 1% COC (4/21/17);
Harvest date	September 17, 2017

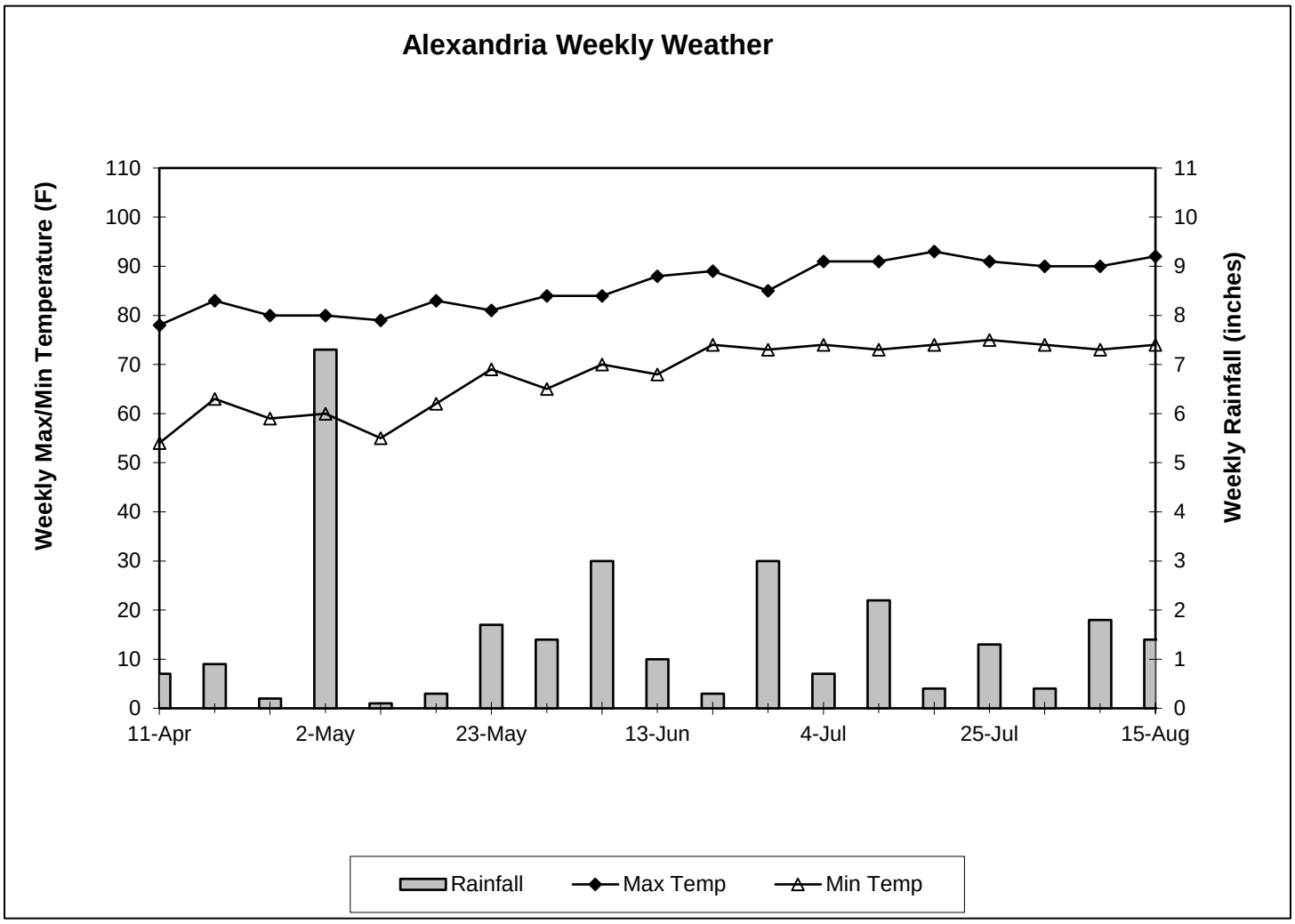

Table 2. Performance of corn hybrids in Alexandria, 2017.

Brand	Hybrid	2017 Yield[1]	2-Yr avg	GM[2]	Test wt	Stand	MS[2]	PH[2]	EH[2]	HC	Lo	S1[3]	S2[3]	N1[3]	N2[3]
		bu/a	bu/a	%	lb/bu	plt/a	DAP	in	in	1-3	%	%	%	0-9	0-9
DEKALB	DKC 70-27	**203.0**	204.1	15.8	57.9	33,670	68	85	38	1	5	0	11	0	0
Dyna-Gro	D57VP51	**196.1**	200.9	16.3	56.9	31,860	68	78	35	1	5	0	1	0	1
Armor	AXC7114	**189.5**	-	15.9	59.0	32,170	67	77	32	2	5	0	4	0	1
NK Seeds	NK 1573 3111	187.4	-	16.0	54.4	32,670	66	83	33	1	0	0	3	1	2
Dyna-Gro	D54VC52	183.1	185.9	15.8	55.7	29,150	66	81	36	1	5	0	4	0	1
B-H Genetics	BH 8721VT2P	183.1	195.8	15.8	58.5	33,820	67	79	32	1	5	0	11	0	2
Augusta	1166	182.9	-	16.1	55.7	32,010	67	83	38	1	5	0	4	0	1
NK Seeds	NK 1405 3220EZ	182.7	-	15.2	53.8	34,130	69	83	39	1	5	0	11	0	0
DEKALB	DKC 67-44	182.4	188.4	15.9	57.8	31,510	67	81	34	1	5	0	2	0	1
Armor	AXT7116	182.2	-	15.8	57.0	33,510	67	83	37	1	5	1	7	0	1
Dyna-Gro	D58VC65	181.9	191.3	16.2	57.0	33,290	68	75	32	1	0	1	3	0	1
Croplan	5678VT2P	181.7	-	15.7	56.4	32,890	66	77	33	1	5	0	8	0	3
DEKALB	DKC 62-08	180.1	190.1	15.4	54.2	31,740	67	80	38	1	0	0	1	0	2
Armor	AXC7115	180.0	-	15.7	55.7	32,780	70	79	35	1	0	0	4	0	1
DEKALB	DKC 66-59	179.5	193.2	15.6	54.0	31,700	68	82	36	2	5	1	21	0	1
DEKALB	DKC 64-35	179.1	189.2	15.5	55.1	32,240	68	80	33	2	0	0	0	0	1
DEKALB	DKC 68-26	178.9	196.6	15,1	55.9	33,360	65	83	34	1	5	2	8	0	1
B-H Genetics	BH 8848SS	178.5	-	15.7	56.2	31,050	66	80	34	1	0	1	12	0	2
DEKALB	DKC 66-87	178.0	193.4	15.2	55.6	31,550	67	80	34	2	5	2	16	0	1
Dyna-Gro	D54DC94	177.8	192.0	16.1	53.8	29,380	68	82	37	2	5	2	14	0	1
Delta Grow	2888GTCBLLVIP	176.0	180.4	16.5	54.1	32,710	68	83	35	1	5	3	16	0	1
Armor	1717	175.6	184.4	15.2	56.6	29,890	67	84	34	2	15	2	15	0	1
Great Heart Seed	HT-7516SS	175.3	-	15.5	56.0	31,550	68	83	38	1	5	0	6	0	0
Terral Seed	REV 28BHR18	175.2	-	15.9	56.0	28,150	68	89	40	2	5	5	12	0	1
Terral Seed	REV 25BHR26	174.1	186.0	15.8	52.7	33,630	69	82	35	1	5	0	3	0	1
Dyna-Gro	D56VC46	174.0	189.0	15.9	56.4	30,970	69	79	36	1	5	0	5	0	1
Terral Seed	REV 28R10	173.9	186.4	15.9	56.2	34,170	71	85	35	1	5	0	3	0	2
Terral Seed	REV 23BHR55	172.5	180.9	15.8	53.1	31,930	69	83	37	2	5	0	8	1	1
DEKALB	DKC 67-72	171.2	175.0	15.6	55.4	32,360	65	77	31	1	10	0	13	0	1
Mycogen	MY16M16	170.2	-	15.7	55.8	30,580	69	82	37	1	5	0	4	0	0
Pioneer	P1870YHR	169.8	-	16.5	56.4	32,360	69	81	35	1	0	1	13	0	1
Armor	AXC7118	168.9	-	15.8	58.8	31,850	69	78	34	3	0	0	6	0	0
Pioneer	P1662YHR	168.3	-	16.2	54.9	32,090	66	81	34	1	0	0	2	2	2
Dyna-Gro	D55VC45	167.6	-	16.3	53.9	32,980	68	81	35	1	5	9	28	0	1
Terral Seed	REV 26BHR50	165.8	183.4	16.8	57.9	32,390	69	87	37	1	5	3	10	0	2
Croplan	6640VT3P	165.5	-	15.2	53.3	31,310	67	79	34	2	5	1	19	0	0
B-H Genetics	BH 8477SS	163.9	-	16.1	55.7	31,700	67	81	39	1	5	0	1	0	1
Croplan	7927VT3P	157.6	-	15.2	53.0	33,820	68	90	42	1	10	3	23	0	0
Delta Grow	3660GTCBLLVIP	152.8	175.7	17.1	52.5	31,050	66	79	30	1	5	0	12	2	4
Dyna-Gro	D58VC37	152.2	179.6	16.3	59.5	31,630	67	77	32	1	30	0	3	1	4
Average		**175.6**	**-**	**15.8**	**55.7**	**32,040**	**68**	**81**	**35**	**1**	**4**	**1**	**9**	**1**	**1**
CV, %		**7**	**-**	**2**	**4**	**5**	**2**	**4**	**8**	**37**	**163**	**39**	**135**	**284**	**82**
LSD (0.10)		**14.6**	**-**	**0.4**	**2.8**	**1,880**	**1**	**3**	**3**	**1**	**5**	**NS[4]**	**NS**	**1**	**1**

[1]Yields in bold denote hybrids that were in the highest-yielding group in 2017. Could not evaluate highest-yielding group for two years, 2016 and 2017, because there were no statistically significant differences among hybrids in 2016.

[2]GM – harvest grain moisture; MS – mid silk; PH – plant height; EH – ear height;

[3]S1 – Southern rust ratings (%) taken on June 26 (about 2 weeks after mid silk). N1 – Northern corn leaf blight, 0-9 (0 = no symptoms and 9 = severe symptoms on whole plant) were taken on June 26. Southern rust and Northern leaf blight samples were also taken on July 5 (S2 and N2) (about 3 – 4 weeks after mid silk).

[4]NS = Statistically non-significant at the 0.10 probability level.

Corn Hybrid Performance Trial at the Red River Research Station – Bossier City

Location Summary
Rainfall was plentiful in June and early July, critical periods for corn development in this dryland trial (see graph below). Grain yields were excellent ranging from 172.8 to 228.0 bu/acre with a trial average of 196.5 bu/acre (Table 3). Fourteen hybrids produced 200 bu/acre or greater yield. Five hybrids were in the highest-yielding group in 2017 and three hybrids were in the highest-yielding group for both years, 2016 and 2017. Other agronomic data are presented in Table 3. Maturity among hybrids was relatively narrow with mid-silk dates ranging from 74 to 78 days after planting and harvest grain moisture ranging from 15.6 to 17.5%.

Soil type	Caplis very fine sandy loam
Tillage	Conventional
Row spacing	40 - inch
Seeding rate	36,000 seed/acre
Previous crop	Soybeans
Planting date	March 16
Fertilization	*Sidedress*: 210 lb N/acre as 30-0-0-2 (4/9/17);
Irrigation	None
Pesticides	*Pre-emerge*: 1 pt Metal II/acre, 1 qt Atrazine/acre, and 1.75 pt Roundup Powermax/acre (3/20); *Post-emerge*: 2 qt Halex GT/acre, 1 qt Atrazine/acre, plus 1 qt ad-spray/acre (4/10);
Harvest date	8/26 and 8/28/17

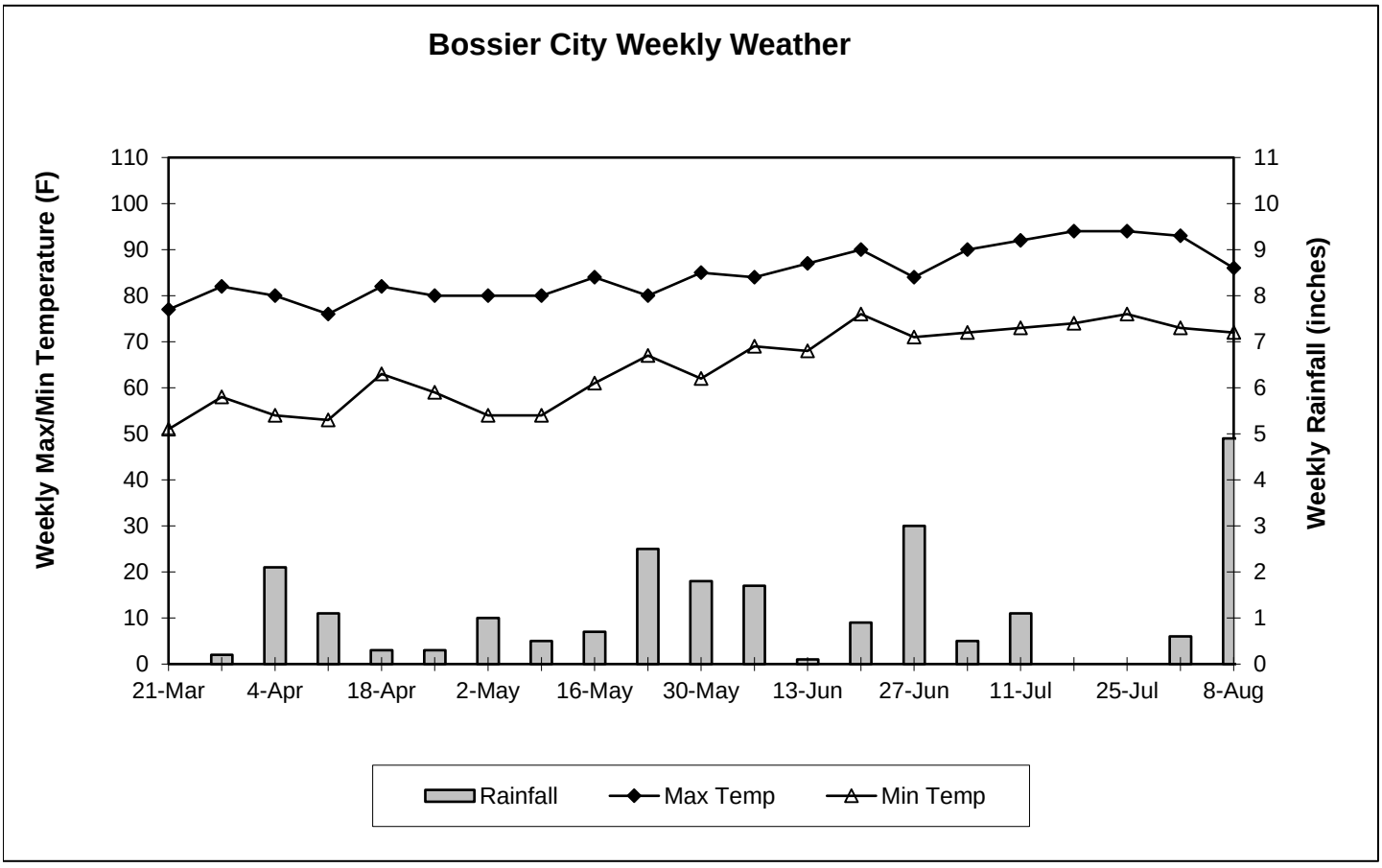

Table 3. Performance of corn hybrids at Bossier City, 2017.

Brand	Hybrid	2017 Yield[1]	2-Yr avg[2]	Gr mo	Test wt	Stand	Mid-silk	Plt ht	Ear ht	HC
		bu/a	bu/a	%	lb/bu	plt/a	DAP	in	in	1-3
Terral Seed	**REV 23BHR55***	**228.0**	202.5	16.7	52.9	37,150	77	99	38	2
Terral Seed	REV 25BHR26	**218.2**	186.5	16.8	56.2	36,100	77	98	36	2
Terral Seed	**REV 26BHR50***	**217.2**	194.9	16.9	61.9	35,060	78	100	37	2
DEKALB	**DKC 70-27***	**216.2**	195.3	16.3	56.8	38,190	77	92	32	2
NK Seeds	NK 1405 3220EZ	**215.2**	-	16.9	57.9	37,150	78	94	34	2
Mycogen	MY16M16	212.2	-	17.3	58.1	33,480	78	97	33	2
Armor	AXC7115	211.0	-	16.3	57.0	34,270	78	86	35	2
Terral Seed	REV 28R10	208.4	183.1	16.4	56.9	35,320	78	103	38	2
Pioneer	P1870YHR	208.2	-	17.1	56.5	36,620	78	92	33	2
Dyna-Gro	D55VC45	204.4	-	16.9	59.5	36,890	75	85	31	2
Armor	1717	203.2	189.8	16.4	59.8	31,920	76	87	31	1
NK Seeds	NK 1573 3111	202.0	-	15.8	55.4	34,020	75	91	29	2
DEKALB	DKC 67-44	201.0	187.6	17.2	54.7	36,360	75	87	31	2
Croplan	6640VT3P	200.0	-	16.6	54.2	34,530	75	87	30	2
DEKALB	DKC 64-35	198.6	176.0	16.7	53.0	36,360	77	89	31	2
Dyna-Gro	D54DC94	197.0	178.6	16.6	56.3	35,050	76	92	36	2
B-H Genetics	BH 8721VT2P	196.8	182.8	16.5	60.4	36,890	76	89	34	2
Dyna-Gro	D56VC46	195.4	167.9	17.5	55.8	37,410	76	88	35	2
Terral Seed	REV 28BHR18	194.8	-	17.0	55.6	33,480	77	99	35	2
Pioneer	P1662YHR	193.8	-	17.3	56.6	37,150	74	91	31	2
Armor	AXT7116	193.0	-	17.5	60.9	37,410	74	89	34	1
Dyna-Gro	D58VC37	193.0	180.4	17.2	56.0	36,100	75	85	34	2
B-H Genetics	BH 8477SS	192.8	-	16.4	59.9	38,190	75	87	34	1
Dyna-Gro	D57VP51	192.6	178.6	16.1	55.9	33,480	75	86	33	2
Croplan	7927VT3P	192.4	-	16.9	55.3	37,410	77	90	36	1
Delta Grow	3660GTCBLLVIP	192.2	167.7	17.5	57.2	32,960	77	98	34	1
DEKALB	DKC 66-87	191.6	176.7	15.6	55.5	34,010	76	84	30	2
DEKALB	DKC 67-72	190.4	170.8	17.0	54.4	35,320	75	87	31	2
Great Heart Seed	HT-7516SS	189.2	-	16.8	58.3	36,100	76	88	37	2
Armor	AXC7118	188.8	-	17.0	59.7	34,790	77	89	32	2
Armor	AXC7114	188.2	-	16.7	57.2	35,320	75	84	30	2
Croplan	5678VT2P	188.0	-	16.2	56.8	33,220	75	87	28	2
DEKALB	DKC 62-08	187.4	169.7	16.2	55.4	36,100	74	81	29	2
Dyna-Gro	D54VC52	185.0	168.5	16.1	56.6	36,100	75	86	32	2
Delta Grow	2888GTCBLLVIP	184.2	169.0	17.0	54.9	34,530	75	96	37	2
DEKALB	DKC 66-59	181.4	165.6	16.2	57.5	37,150	76	91	30	2
Augusta	1166	181.0	-	16.0	57.3	35,580	74	89	36	2
Dyna-Gro	D58VC65	180.0	167.0	15.9	57.0	37,410	77	86	31	2
B-H Genetics	BH 8848SS	173.6	-	16.1	55.3	34,530	75	90	35	2
DEKALB	DKC 68-26	172.8	159.7	16.3	58.6	34,010	75	88	30	1
Average		**196.5**	**-**	**16.6**	**58.1**	**35,810**	**76**	**90**	**33**	**2**
CV, %		**8**	**-**	**8**	**23**	**14**	**2**	**6**	**2**	**28**
LSD (0.10)		**15.8**	**-**	**NS[3]**	**NS**	**NS**	**2**	**5**	**4**	**NS**

[1]Yields in bold denote hybrids that were in the highest-yielding group in 2017.

[2]Hybrids in bold with an asterisk (*) were in the highest-yielding group for both years, 2016 and 2017.

[3]NS = Statistically non-significant at the 0.10 probability level.

Corn Hybrid Performance Trial on Commerce silt loam at the Northeast Research Station – St. Joseph

Location Summary
Rainfall was well distributed, except for mid-July in this dryland trial (see graph below). Average maximum temperatures increased to about 90℉. Grain yields ranged from 158.6 to 222.8 bu/acre with a trial average of 192.1 bu/acre (Table 4). Eight hybrids were in the highest-yielding group in 2017, each yielding more than 205 bu/acre. Twenty-two hybrids had two-year yield averages; however, no hybrid fell in the highest-yielding group for both years, 2016 and 2017. Other agronomic data are presented in Table 4. Although high winds occurring during early vegetative growth laid over many hybrids, most hybrids recovered resulting in little lodging at harvest.

Soil type	Commerce silt loam
Tillage	Conventional
Row spacing	40 - inch
Seeding rate	36,000 seed/acre
Previous crop	Soybeans
Planting date	March 20
Fertilization	*Sidedress*: 240 lb N/acre as 30-0-0-2 (4/10);
Pesticides	*Pre-emerge*: 2 qt Gramoxone/acre, 2 qt Cinch ATZ/acre, plus 1% COC (3/22); *Post-emerge*: 1.8 qt Halex GT/acre, 1 qt Atrazine/acre (4/25);
Harvest date	August 17

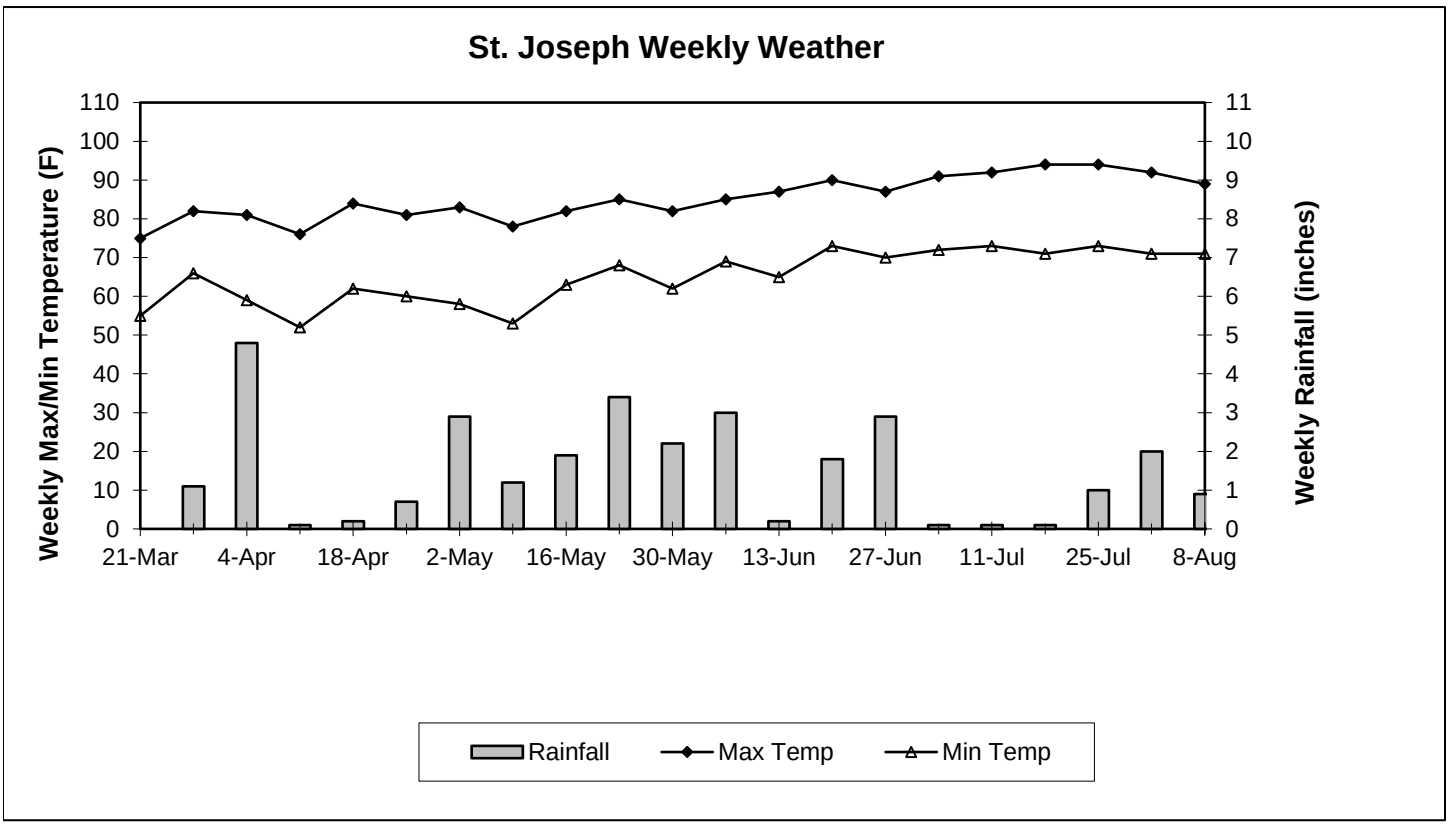

Table 4. Performance of corn hybrids on Commerce silt loam at St. Joseph, 2017.

Brand	Hybrid	2017 Yield[1]	2-Yr avg[2]	Gr mo	Test wt	Stand	Mid silk	Plt ht	Ear ht	Lo[3]	HC
		bu/a	bu/a	%	lb/bu	plt/a	DAP	in	in	%	1-3
Terral Seed	REV 28R10	**222.8**	220.8	17.7	57.6	33,350	65	81	39	0	2
Terral Seed	REV 25BHR26	**222.5**	210.3	17.2	59.0	32,050	63	80	42	0	2
Pioneer	P1870YHR	**218.7**	-	18.1	59.0	35,970	64	74	38	0	2
DEKALB	DKC 70-27	**213.6**	216.8	18.5	57.5	38,590	64	75	39	0	2
Dyna-Gro	D55VC45	**213.4**	-	17.3	57.7	38,590	63	73	34	0	2
Terral Seed	REV 28BHR18	**208.5**	-	18.5	58.7	29,430	64	76	44	0	2
DEKALB	DKC 66-59	**208.1**	204.4	17.3	58.0	36,620	61	76	36	0	3
Armor	AXC7115	**206.6**	-	17.1	61.1	33,350	65	76	39	0	2
Dyna-Gro	D57VP51	204.3	213.5	17.8	57.7	32,700	64	75	35	0	2
Terral Seed	REV 23BHR55	203.1	216.1	17.8	56.1	35,970	64	78	41	0	2
DEKALB	DKC 68-26	199.7	204.6	17.2	57.8	29,430	60	76	33	10	2
DEKALB	DKC 66-87	198.6	205.8	16.9	57.2	39,240	61	73	35	0	2
B-H Genetics	BH 8848SS	198.0	-	17.6	58.6	34,010	60	73	35	0	2
Croplan	6640VT3P	195.9	-	17.0	58.5	35,320	61	74	37	0	2
NK Seeds	NK 1573 3111	195.9	-	18.1	58.0	34,010	63	76	34	5	1
Armor	AXC7114	194.9	-	17.0	58.0	32,700	62	74	31	5	3
Dyna-Gro	D54VC52	194.7	196.9	17.1	58.7	36,620	61	77	44	0	2
Augusta	1166	194.1	-	18.0	56.4	33,350	62	78	45	0	1
Pioneer	P1662YHR	193.9	-	17.6	58.7	32,700	60	80	44	0	2
Armor	AXT7116	192.9	-	18.0	56.6	34,660	62	74	39	0	2
Mycogen	MY16M16	192.6	-	18.0	58.1	33,350	64	76	35	5	3
DEKALB	DKC 64-35	192.0	193.0	17.6	57.2	35,320	63	75	39	0	3
DEKALB	DKC 67-44	191.6	204.2	17.5	56.9	30,080	62	79	40	0	3
Great Heart Seed	HT-7516SS	191.2	-	17.8	58.1	37,930	64	79	36	0	2
B-H Genetics	BH 8721VT2P	191.1	205.2	17.0	59.3	37,930	62	76	36	5	2
Delta Grow	3660GTCBLLVIP	188.8	191.9	17.8	58.1	32,050	61	73	33	0	1
Delta Grow	2888GTCBLLVIP	188.5	184.5	18.5	57.9	33,350	62	77	39	0	2
Dyna-Gro	D56VC46	184.0	191.5	17.6	58.5	36,620	61	71	37	0	2
DEKALB	DKC 67-72	183.0	194.2	17.4	56.0	32,700	62	74	33	5	1
Croplan	5678VT2P	182.0	-	17.0	58.9	34,660	61	76	33	0	2
Armor	1717	178.3	198.9	17.2	59.0	34,010	62	77	36	5	3
NK Seeds	NK 1405 3220EZ	177.2	-	17.4	55.9	37,930	64	79	39	5	1
Croplan	7927VT3P	176.7	-	17.8	56.6	30,080	64	76	38	5	3
B-H Genetics	BH 8477SS	173.5	-	17.2	57.6	36,620	60	76	40	5	3
Armor	AXC7118	173.3	-	17.8	57.9	35,970	64	76	41	0	3
DEKALB	DKC 62-08	170.9	186.1	16.8	58.0	31,390	62	73	35	15	2
Dyna-Gro	D54DC94	170.1	189.1	17.5	55.5	33,350	62	75	35	30	3
Terral Seed	REV 26BHR50	166.8	201.4	17.8	58.8	39,240	66	79	40	15	2
Dyna-Gro	D58VC65	165.1	192.1	17.2	58.4	39,240	60	70	37	0	3
Dyna-Gro	D58VC37	158.6	177.9	16.8	59.3	33,350	62	74	36	10	2
Average		**192.1**	**-**	**17.5**	**57.9**	**34,660**	**62**	**75**	**37**	**5**	**2**
CV, %		**8**	**-**	**1**	**2**	**10**	**2**	**9**	**10**	**291**	**23**
LSD (0.10)		**16.3**	**-**	**0.2**	**1.8**	**NS[4]**	**2**	**NS**	**6**	**10**	**1**

[1]Yields in bold denote hybrids that were in the highest-yielding group in 2017.

[2] There were no hybrids in the highest-yielding group for both years, 2016 and 2017.

[3]Lo = Lodging, % lodged plants/plot.

[4] NS = Statistically non-significant at the 0.10 probability level.

Corn Hybrid Performance Trial on Sharkey silty clay at the Northeast Research Station – St. Joseph

Location Summary

Rainfall was well distributed, except for mid-July in this dryland trial (see graph below). Average maximum temperatures increased to about 90℉. Although July rainfall was below the long-term average, grain yields were excellent ranging from 194.2 to 237.6 bu/acre with a trial average of 216.1 bu/acre inn this dryland trial (Table 5). Thirty-six of the forty hybrids in the trial yielded greater than 200 bu/acre. Eleven hybrids were in the highest-yielding group in 2017 and three hybrids had superior yields for both years, 2016 and 2017. Yield components ranged from 29,650 to 36,840 plants/acre, 32.3 to 39.6 g/100 kernels, and 400 to 573 kernels/ear (Table 5).

Soil type	Sharkey silty clay
Tillage	Stale Seedbed
Row spacing	40 - inch
Seeding rate	36,000 seed/acre
Previous crop	Cotton
Planting date	March 20
Fertilization	*Sidedress*: 270 lb N/acre as 30-0-0-2 (4/10/17);
Pesticides	*Pre-emerge*: 2 qt Gramoxone/acre, 2 qt Cinch ATZ/acre, plus 1% COC (3/23); *Post-emerge*: 1.8 qt Halex GT/acre, 1 qt Atrazine/acre (4/25);
Harvest date	August 7

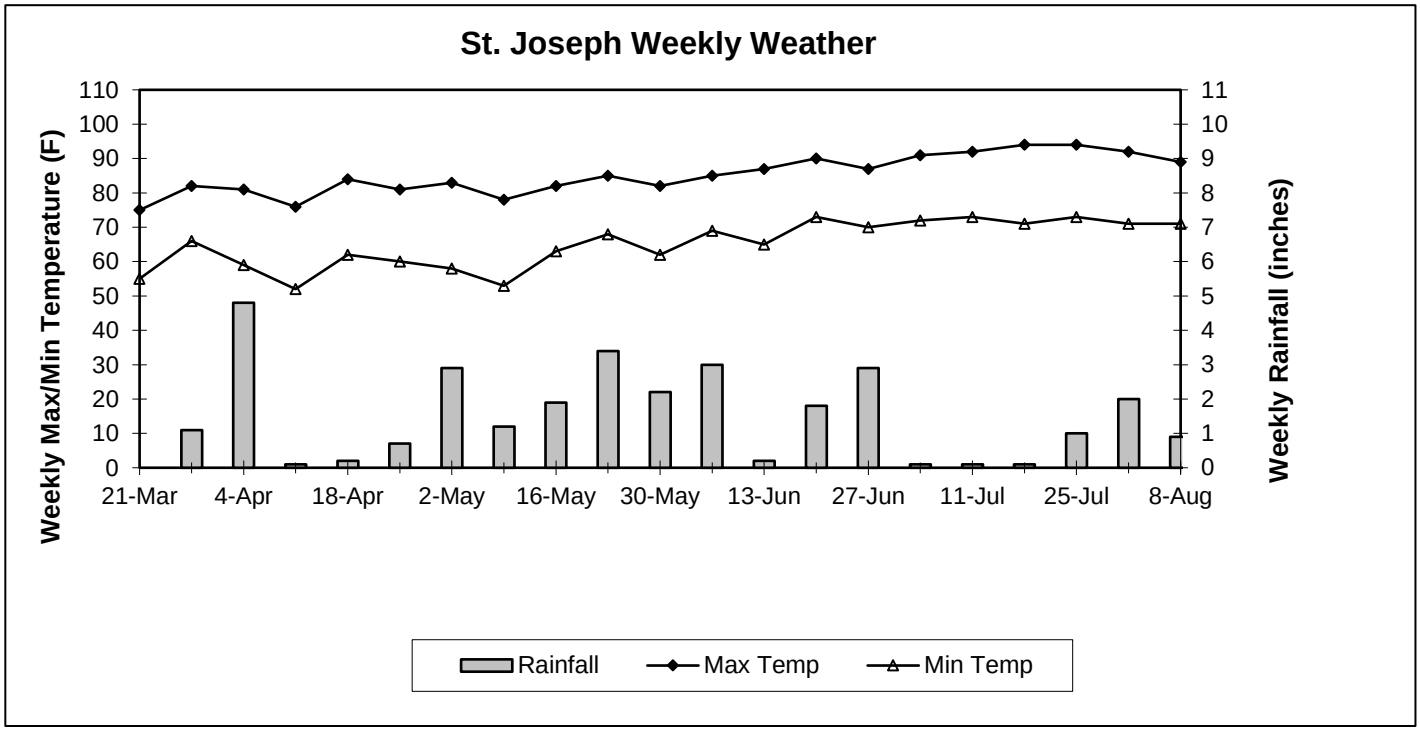

Table 5. Performance of corn hybrids on Sharkey silty clay at St. Joseph, 2017.

Brand	Hybrid	2017 Yield[1]	2-Yr avg[2]	Gr mo	Test wt	Stand	Mid silk	Plt ht	Ear ht	Ker wt	KPE
		bu/a	bu/a	%	lb/bu	plt/a	DAP	in	in	g/100	no/ear
Dyna-Gro	D57VP51	**237.6**	203.8	17.8	58.8	33,350	62	81	41	38.3	451
B-H Genetics	**BH 8721VT2P***	**237.5**	207.9	17.5	58.8	33,790	60	85	41	35.9	508
Mycogen	MY16M16	**236.9**	-	17.6	58.7	35,530	62	86	46	32.3	537
Pioneer	P1870YHR	**234.0**	-	18.2	58.8	34,660	62	82	43	33.6	486
Armor	AXC7115	**229.7**	-	17.3	60.3	36,410	64	79	43	35.6	453
Terral Seed	REV 23BHR55	**229.1**	200.2	16.5	57.3	32,920	61	86	47	35.6	513
DEKALB	DKC 70-27	**228.2**	198.8	18.3	59.0	35,970	62	83	45	37.7	408
Terral Seed	**REV 26BHR50***	**226.3**	208.1	17.2	60.1	31,830	64	89	43	36.9	529
DEKALB	**DKC 66-59***	**225.5**	199.3	17.3	57.8	30,300	60	89	46	36.5	506
Terral Seed	**REV 25BHR26***	**225.2**	199.6	16.2	59.1	36,810	60	85	46	36.7	440
Terral Seed	REV 28BHR18	**225.0**	-	17.8	58.7	29,650	61	89	46	35.3	573
Armor	AXC7114	222.8	-	16.3	59.6	36,840	58	81	42	36.2	430
Terral Seed	REV 28R10	221.8	205.4	17.0	59.5	32,920	64	86	45	38.2	446
Croplan	7927VT3P	221.4	-	17.0	57.8	34,010	62	87	50	37.7	457
Augusta	1166	220.5	-	17.6	57.5	34,440	58	85	45	37.6	460
DEKALB	DKC 68-26	219.0	198.0	17.5	58.1	33,790	60	83	42	37.5	443
Dyna-Gro	D54DC94	218.9	200.8	16.9	56.6	33,480	60	88	50	34.9	460
Dyna-Gro	D55VC45	218.8	-	17.1	58.6	32,920	60	81	40	35.7	478
Dyna-Gro	D58VC65	217.2	195.7	16.7	60.0	32,700	60	82	44	37.7	446
DEKALB	DKC 67-44	214.7	201.7	17.5	59.2	34,440	59	83	43	37.4	474
Armor	AXT7116	214.1	-	17.4	58.0	35,970	58	86	44	37.2	411
DEKALB	DKC 66-87	213.7	192.5	17.1	57.2	33,140	61	80	39	34.8	427
Dyna-Gro	D54VC52	212.9	186.0	17.1	59.3	32,480	59	82	42	39.6	430
Dyna-Gro	D58VC37	212.7	183.4	16.2	59.3	32,260	58	77	39	35.4	471
DEKALB	DKC 62-08	211.6	193.1	16.1	58.5	33,570	59	82	46	36.7	424
Dyna-Gro	D56VC46	210.2	184.1	17.8	58.8	35,970	61	80	44	35.5	412
B-H Genetics	BH 8848SS	209.5	-	17.0	58.9	34,440	58	88	47	38.4	425
NK Seeds	NK 1405 3220EZ	209.3	-	17.3	55.5	33,790	62	88	46	35.2	455
Croplan	5678VT2P	209.0	-	16.4	60.2	33,570	58	82	43	37.1	436
Pioneer	P1662YHR	208.1	-	17.0	59.6	32,480	59	87	43	36.2	465
Armor	1717	207.9	190.2	17.4	58.8	31,610	60	87	46	36.6	435
B-H Genetics	BH 8477SS	207.4	-	16.4	58.4	35,320	58	86	50	35.5	438
DEKALB	DKC 67-72	207.1	193.6	16.8	57.9	30,740	59	76	39	37.8	462
Croplan	6640VT3P	205.3	-	16.6	59.0	32,050	60	74	34	35.0	478
NK Seeds	NK 1573 3111	203.3	-	16.7	56.6	31,830	61	81	37	36.3	452
Delta Grow	3660GTCBLLVIP	203.2	177.8	16.9	58.1	33,140	60	82	39	34.4	479
Great Heart Seed	HT-7516SS	198.7	-	17.3	59.9	31,390	62	83	45	37.0	432
Delta Grow	2888GTCBLLVIP	197.7	176.8	17.4	57.7	32,480	60	84	43	34.1	450
Armor	AXC7118	195.4	-	17.8	60.4	33,350	60	79	42	38.4	400
DEKALB	DKC 64-35	194.2	177.9	17.0	59.4	33,140	61	84	43	34.9	424
Average		**216.1**	**-**	**17.1**	**58.7**	**33,500**	**60**	**83**	**43**	**36.3**	**458**
CV, %		**7**	**-**	**2**	**1**	**11**	**1**	**12**	**17**	**3**	**11**
LSD (0.10)		**13.9**	**-**	**0.4**	**0.5**	**3,410**	**1**	**NS[3]**	**NS**	**1.3**	**61**

[1]Yields in bold denote hybrids that were in the highest-yielding group in 2017.

[2]Hybrids in bold with an asterisk (*) were in the highest-yielding group for both years, 2016 and 2017.

[3] NS = Statistically non-significant at the 0.10 probability level.

Corn Hybrid Performance Trial at the Macon Ridge Research Station – Winnsboro

Location Summary

Since rainfall was relatively well distributed across the growing season (see graph below), there were only two furrow irrigations (June 16 and July 7). Grain yields ranged from 156.5 to 217.4 bu/acre with a trial average of 186.0 bu/acre (Table 6). There were six hybrids that fell in the highest-yielding group in 2017 and four hybrids that yielded well both years, 2016 and 2017. Other agronomic data are presented in Table 6. Northern corn leaf blight and Southern rust ratings were both low on June 22 (about three weeks after mid-silk).

Soil type	Gigger silt loam
Tillage	Conventional
Row spacing	40 - inches
Seeding rate	36,000 seed/acre
Previous crop	Soybeans
Planting date	March 23
Fertilization	*Pre-plant*: 50 lb P_20_5 and 50 lb K_20 (January 2017); *Sidedress*: 220 lb N/acre as 30-0-0-2 (about 4-leaf stage);
Pesticides	*Pre-emerge*: 3 qt Lexar/acre (3/24); *Post-emerge*: 1 qt Atrazine/acre (6-leaf);
Irrigation	Furrow-irrigated: June 16 and July 7
Harvest date	August 15

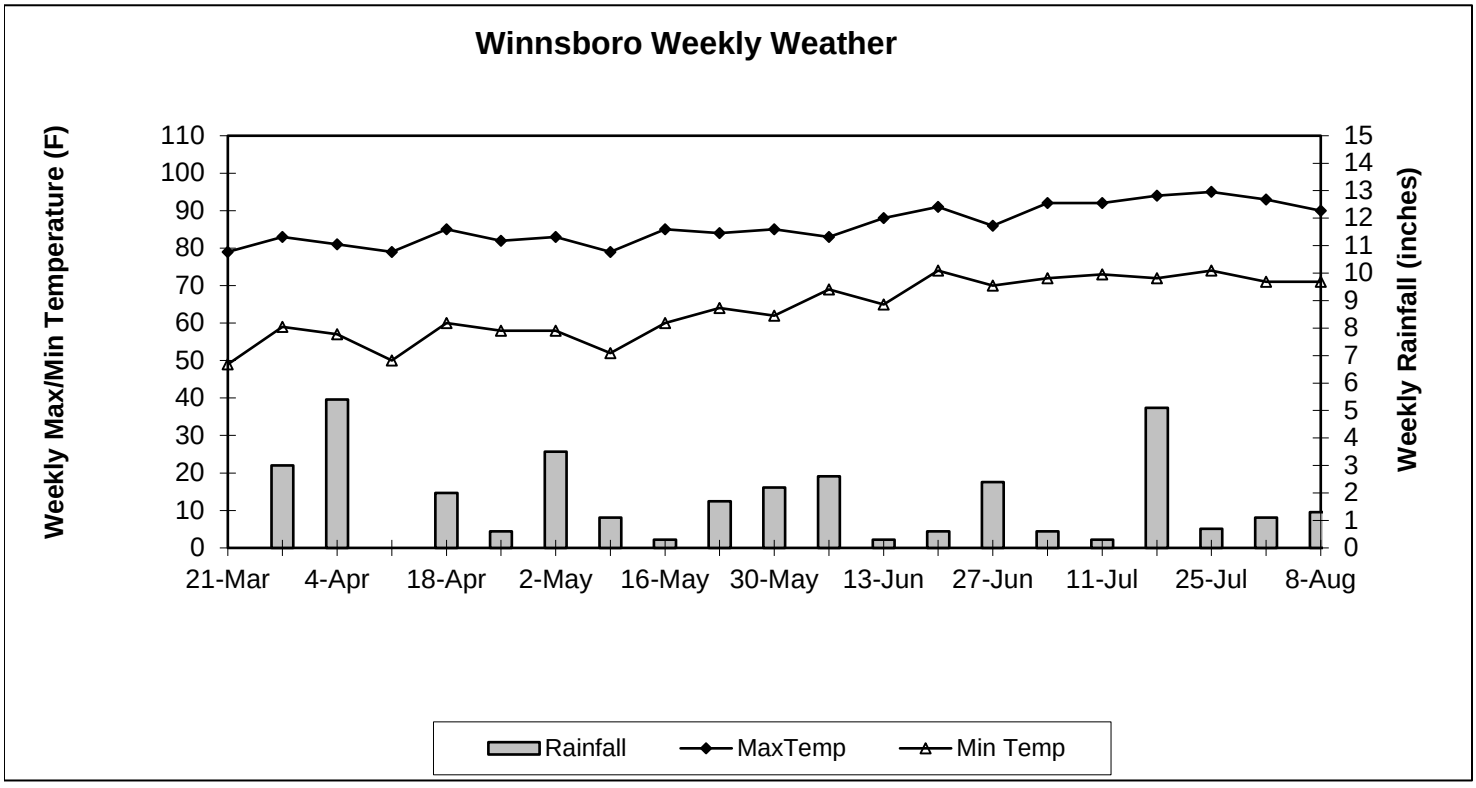

Table 6. Performance of corn hybrids at Winnsboro, 2017.

Brand	Hybrid	2017 Yield[1]	2-Yr avg[2]	Gr mo	Stand	Mid silk	Plt ht	Ear ht	HC	NC LB[3]	SR[4]
		bu/a	bu/a	%	plt/a	DAP	in	in	1-3	0-9	0-9
Dyna-Gro	**D57VP51***	**217.4**	216.3	19.6	32,440	65	80	38	2	0	1
B-H Genetics	**BH 8721VT2P***	**210.8**	214.4	19.7	35,320	66	83	39	2	0	1
Pioneer	P1870YHR	**207.9**	-	21.1	34,790	69	82	41	2	1	2
DEKALB	**DKC 70-27***	**203.5**	207.7	20.2	36,620	68	89	47	2	1	1
Armor	AXC7115	**202.7**	-	18.9	32,700	67	82	43	2	0	1
DEKALB	**DKC 62-08***	**202.2**	204.5	18.2	36,890	64	79	39	1	0	1
B-H Genetics	BH 8477SS	200.1	-	19.0	35,050	65	82	43	2	0	1
DEKALB	DKC 68-26	195.6	197.9	19.7	33,750	66	82	40	1	1	1
Dyna-Gro	D56VC46	194.9	198.7	20.2	32,700	66	80	41	2	0	1
B-H Genetics	BH 8848SS	194.4	-	20.4	34,530	64	84	41	2	0	1
Terral Seed	REV 23BHR55	193.8	194.6	18.7	31,920	68	85	41	2	1	4
Croplan	7927VT3P	192.5	-	19.3	34,790	67	81	43	2	0	1
DEKALB	DKC 67-44	192.4	198.1	19.4	34,010	65	83	41	2	0	1
DEKALB	DKC 67-72	189.2	190.4	20.6	33,480	64	82	36	2	0	1
Augusta	1166	188.8	-	20.1	34,270	65	85	43	2	0	1
Terral Seed	REV 25BHR26	188.7	194.0	18.7	35,580	67	85	44	2	1	2
Terral Seed	REV 28BHR18	188.6	-	20.0	34,530	67	83	41	1	0	2
Armor	AXC7118	188.5	-	20.3	30,610	67	78	40	2	1	1
Armor	1717	188.0	198.3	20.4	36,190	67	81	36	2	1	1
Terral Seed	REV 28R10	186.6	193.7	20.9	34,270	70	80	38	2	0	3
DEKALB	DKC 66-59	184.8	191.2	19.1	34,790	65	82	41	2	1	1
Delta Grow	2888GTCBLLVIP	184.4	186.0	20.0	33,220	65	84	40	2	1	1
Great Heart Seed	HT-7516SS	183.6	-	20.3	33,220	68	78	38	2	1	1
Mycogen	MY16M16	183.3	-	20.1	33,480	66	76	37	1	0	1
Armor	AXT7116	182.7	-	20.4	31,650	64	81	41	2	1	1
Croplan	6640VT3P	181.4	-	18.6	33,480	65	83	41	2	1	1
Armor	AXC7114	181.0	-	19.0	30,870	65	72	41	2	1	2
Dyna-Gro	D55VC45	179.7	-	19.2	36,890	67	84	41	2	1	1
Terral Seed	REV 26BHR50	178.6	194.5	19.4	35,580	68	82	42	2	1	4
Croplan	5678VT2P	177.3	-	19.1	36,360	65	80	38	2	0	2
DEKALB	DKC 66-87	177.3	184.4	20.0	30,350	65	81	39	2	1	1
Pioneer	P1662YHR	177.2	-	19.7	35,580	65	85	44	2	1	3
DEKALB	DKC 64-35	176.3	190.4	20.0	37,150	66	77	38	2	0	0
NK Seeds	NK 1405 3220EZ	175.4	-	18.9	33,480	69	83	39	2	1	0
NK Seeds	NK 1573 3111	174.4	-	19.8	32,960	66	78	40	2	0	1
Dyna-Gro	D58VC37	173.1	182.8	19.6	34,010	66	81	41	2	0	3
Dyna-Gro	D54DC94	173.0	191.0	19.1	36,360	66	84	39	2	1	1
Dyna-Gro	D54VC52	160.9	180.6	18.8	34,010	67	80	41	2	1	2
Dyna-Gro	D58VC65	158.8	182.6	19.0	29,820	65	79	40	2	1	2
Delta Grow	3660GTCBLLVIP	156.5	175.2	19.5	34,790	64	80	39	2	1	1
Average		**186.0**	**-**	**19.6**	**34,230**	**66**	**81**	**40**	**2**	**1**	**1**
CV, %		**8**	**-**	**5**	**13**	**1**	**7**	**10**	**39**	**74**	**292**
LSD (0.10)		**15.4**	**-**	**0.4**	**4,560**	**2**	**NS[5]**	**4**	**NS**	**1**	**NS**

[1]Yields in bold denote hybrids that were in the highest-yielding group in 2017.

[2]Hybrids in bold with an asterisk (*) were in the highest-yielding group for both years, 2016 and 2017.

[3] NCLB = Northern corn leaf blight ratings, 0-9 (0=no symptoms and 9=severe symptoms on whole plant) taken on June 22 (approximately three-weeks after mid-silk).

[4] SR = Southern rust ratings, 0-9 (0=no symptoms and 9=severe symptoms on whole plant) taken on June 22.

[5]NS = Statistically non-significant at the 0.10 probability level.

Table 7. Summary of yield performance of corn hybrids in the 2017 LAES official variety trials.

Brand	Hybrid	Alex[1]	BC	SJ Com sil	SJ Shar sic	WN	Avg
		bu/acre					
Armor	AXC7114	189.5	188.2	194.9	222.8	181.0	195.3
Armor	AXC7115	180.0	211.0	206.6	229.7	202.7	206.0
Armor	AXT7116	182.2	193.0	192.9	214.1	182.7	193.0
Armor	1717	175.6	203.2	178.3	207.9	188.0	190.6
Armor	AXC7118	168.9	188.8	173.3	195.4	188.5	183.0
Augusta	1166	182.9	181.0	194.1	220.5	188.8	193.5
B-H Genetics	BH 8477SS	163.9	192.8	173.5	207.4	200.1	187.5
B-H Genetics	BH 8721VT2P	183.1	196.8	191.1	237.5	210.8	203.9
B-H Genetics	BH 8848SS	178.5	173.6	198.0	209.5	194.4	190.8
Croplan	6640VT3P	165.5	200.0	195.9	205.3	181.4	189.6
Croplan	7927VT3P	157.6	192.4	176.7	221.4	192.5	188.1
Croplan	5678VT2P	181.7	188.0	182.0	209.0	177.3	187.6
DEKALB	DKC 62-08	180.1	187.4	170.9	211.6	202.2	190.4
DEKALB	DKC 64-35	179.1	198.6	192.0	194.2	176.3	188.0
DEKALB	DKC 67-72	171.2	190.4	183.0	207.1	189.2	188.2
DEKALB	DKC 67-44	182.4	201.0	191.6	214.7	192.4	196.4
DEKALB	DKC 68-26	178.9	172.8	199.7	219.0	195.6	193.2
DEKALB	DKC 70-27	203.0	216.2	213.6	228.2	203.5	212.9
DEKALB	DKC 66-59	179.5	181.4	208.1	225.5	184.8	195.9
DEKALB	DKC 66-87	178.0	191.6	198.6	213.7	177.3	191.8
Delta Grow	3660GTCBLLVIP	152.8	192.2	188.8	203.2	156.5	178.7
Delta Grow	2888GTCBLLVIP	176.0	184.2	188.5	197.7	184.4	186.2
Dyna-Gro	D54VC52	183.1	185.0	194.7	212.9	160.9	187.3
Dyna-Gro	D55VC45	167.6	204.4	213.4	218.8	179.7	196.8
Dyna-Gro	D56VC46	174.0	195.4	184.0	210.2	194.9	191.7
Dyna-Gro	D57VP51	196.1	192.6	204.3	237.6	217.4	209.6
Dyna-Gro	D58VC37	152.2	193.0	158.6	212.7	173.1	177.9
Dyna-Gro	D58VC65	181.9	180.0	165.1	217.2	158.8	180.6
Dyna-Gro	D54DC94	177.8	197.0	170.1	218.9	173.0	187.4
Great Heart Seed	HT-7516SS	175.3	189.2	191.2	198.7	183.6	187.6
Mycogen	MY16M16	170.2	212.2	192.6	236.9	183.3	199.0
NK Seeds	NK 1405 3220EZ	182.7	215.2	177.2	209.3	175.4	192.0
NK Seeds	NK 1573 3111	187.4	202.0	195.9	203.3	174.4	192.6
Pioneer	P1870YHR	169.8	208.2	218.7	234.0	207.9	207.7
Pioneer	P1662YHR	168.3	193.8	193.9	208.1	177.2	188.3
Terral Seed	REV 23BHR55	172.5	228.0	203.1	229.1	193.8	205.3
Terral Seed	REV 25BHR26	174.1	218.2	222.5	225.2	188.7	205.7
Terral Seed	REV 26BHR50	165.8	217.2	166.8	226.3	178.6	190.9
Terral Seed	REV 28R10	173.9	208.4	222.8	221.8	186.6	202.7
Terral Seed	REV 28BHR18	175.2	194.8	208.5	225.0	188.6	198.4
Avg		**175.6**	**196.5**	**192.1**	**216.1**	**186.0**	

[1]Alex=Alexandria; BC=Bossier City; SJ Com sil = St. Joseph Commerce silt loam; SJ Shar sil = St. Joseph Sharkey silty clay; WN = Winnsboro;

Table 8. Seed traits and maturity for corn hybrids entered in the 2017 LAES official variety trials.

Brand	Hybrid	Trans-genes[1] Insect resistance/ herbicide tolerance	Seed treatment	Days to maturity
Armor	AXC7114	PRO2	A500 + Votivo	114
Armor	AXC7115	SS	A500 + Votivo	115
Armor	AXT7116	PRO2	A500 + Votivo	116
Armor	1717	PRO2	A500 + Votivo	117
Armor	AXC7118	PRO2	A500 + Votivo	118
Augusta	1166	RR	Cruiser 250	116
B-H Genetics	BH 8477SS	GenSS	Poncho 500 + Votivo	114
B-H Genetics	BH 8721VT2P	GenVT2P	Poncho 500 + Votivo	117
B-H Genetics	BH 8848SS	GenSS	Poncho 500 + Votivo	118
Croplan	6640VT3P	VT3P/RR	Cruiser 500	113
Croplan	7927VT3P	VT3P/RR	Cruiser 500	117
Croplan	5678VT2P	VT2P/RR	Cruiser 500	116
DEKALB	DKC 62-08	Gen SS	Acceleron 500HD + Poncho + Votivo	112
DEKALB	DKC 64-35	Gen VT2P	Acceleron 500HD + Poncho + Votivo	114
DEKALB	DKC 67-72	Gen VT2P	Acceleron 500HD + Poncho + Votivo	117
DEKALB	DKC 67-44	Gen VT2P	Acceleron 500HD + Poncho + Votivo	117
DEKALB	DKC 68-26	Gen VT2P	Acceleron 500HD + Poncho + Votivo	118
DEKALB	DKC 70-27	Gen VT2P	Acceleron 500HD + Poncho + Votivo	120
DEKALB	DKC 66-59	Gen VT2P	Acceleron 500HD + Poncho + Votivo	116
DEKALB	DKC 66-87	Gen VT2P	Acceleron 500HD + Poncho + Votivo	116
Delta Grow	3660GTCBLLVIP	CB/LL/GT/VIP	Poncho 1250	117
Delta Grow	2888GTCBLLVIP	CB/LL/GT/VIP	Poncho 1250	116
Dyna-Gro	D54VC52	GenVT2P	Poncho 500	114
Dyna-Gro	D55VC45	GenVT2P	Poncho 500	115
Dyna-Gro	D56VC46	GenVT2P	Poncho 500	116
Dyna-Gro	D57VP51	GenVT3P	Poncho 500	117
Dyna-Gro	D58VC37	GenVT2P	Poncho 500	118
Dyna-Gro	D58VC65	GenVT2P	Poncho 500	118
Dyna-Gro	D54DC94	GenVT2P Droughtgard	Poncho 500	114
Great Heart Seed	HT-7516SS	SS	Poncho 500 + Votivo	115
Mycogen	MY16M16	PowerCore/Enlist/RR2/LL	Cruiser Maxx 1250	115
NK Seeds	NK 1405 3220EZ	VIP 3220 EZ	Avicta Complete	114
NK Seeds	NK 1573 3111	VIP 3111	Avicta Complete	115
Pioneer	P1870YHR	YGCB/HX1/LL/RR2	Poncho 1250 + Votivo	118
Pioneer	P1662YHR	YGCB/HX1/LL/RR2	Poncho 1250 + Votivo	116
Terral Seed	REV 23BHR55	YGCB/HX1/LL/RR	MaximQuattro + Poncho 1250 + Votivo	113
Terral Seed	REV 25BHR26	YGCB/HX1/LL/RR	MaximQuattro + Poncho 1250 + Votivo	115
Terral Seed	REV 26BHR50	YGCB/HX1/LL/RR	MaximQuattro + Poncho 1250 + Votivo	116
Terral Seed	REV 28R10	YGCB/HX1/LL/RR	MaximQuattro + Poncho 1250 + Votivo	118
Terral Seed	REV 28BHR18	YGCB/HX1/LL/RR	MaximQuattro + Poncho 1250 + Votivo	118

[1]**DC** – Droughtgard – tolerant to dry soil conditions.
YG, YGCB – The YieldGard corn borer gene offers a high level of resistance to corn stalk borer (southwestern, European, and sugarcane borers). The gene also offers a moderate level of resistance to corn earworm and above average resistance to fall armyworm.
RR – Contains the Roundup Ready (glyphosate) gene.
RR2 – Contains the Roundup Ready Corn 2 gene for over-the-top applications of glyphosate.
LL – Contains the Liberty Link gene for resistance to Liberty (glufosinate) herbicide.
GT – Glyphosate tolerant
VT2P, PRO2 – Contains RR2 gene and YieldGard corn stalk borer gene.
GENVT2P – Contains RR2 gene and Genuity VT PRO genes, which provide resistance to corn stalk borer, fall armyworm, and corn earworm.
VT3P, PRO3 – Contains RR2 gene and YieldGard corn borer and corn rootworm genes.
GENVT3P – Contain RR2 gene and Genuity VT PRO gene, which provides resistance to corn stalk borer, fall armyworm, corn earworm, and corn rootworm.
HX1 – Contains the Herculex Insect Protection gene, which provides protection against corn stalk borer and fall armyworm; and suppresses corn earworm. Contains LL and RR traits.
HXX – Contains both the HX1 and Herculex corn rootworm traits.
SS – Dow/Monsanto genetics that provides LL and RR2 tolerance, and protection against corn stalk borer, corn earworm, fall armyworm, and corn rootworm.

PowerCore – Provides protection against corn stalk borer, corn earworm, fall armyworm, and black cutworm.
Enlist – Provides tolerance to glyphosate, new 2, 4-D choline and aryloxyphenoxypropionate (FOP) herbicides.
VIP3111– Agrisure's Vipteria, contains genes for control of corn stalk borer, corn earworm, fall armyworm, and corn rootworm. Also, provides tolerance to glyphosate and glufosinate.
VIP3220 EZ – Agrisure's Vipteria contains genes for control of corn stalk borer, corn earworm, fall armyworm, and black cutworm. Also, provides tolerance to glyphosate. EZ - single-bag refuse with 95% seed of a corn hybrid containing the trait stack and 5% of a hybrid without insect control traits.
YHR – YGCB/HX1/LL/RR

NOTE: Corn rootworm resistance provided in all of the above traits do not provide resistance to the southern corn rootworm, which is the pest present in Louisiana.

Table 9. List of participating seed companies and corn hybrids tested in the 2017 LAES official variety trials.

Company	Hybrid
Armor Seed, LLC 183 Pennsylvania Ave Waldenburg, AR 72475	AXC7114, AXC7115, AXT7116, 1717, AXC7118
Augusta Seed Corporation P.O. Box 899 Verona, VA 24482	1166
B-H Genetics 5933 FM 1157 Ganado, TX 77962	BH 8477SS, BH 8721VT2P, BH 8848SS
Crop Production Services/Dyna-Gro Seed 11 Gin Rd. Rayville, LA 71269	D54VC52, D55VC45, D56VC46, D57VP51, D58VC37, D58VC65, D54DC94
Delta Grow Seed 220 NW 2nd England, AR 72046	2888GTCBLLVIP, 3660GTCBLLVIP
Dupont Pioneer 425 Abbeydale Way Columbia, SC 29229	P1662YHR, P1870YHR
Great Heart Seed 220 W. Washington Paris, IL 61944	HT-7516SS
Monsanto/Dekalb 800 N. Lindbergh Blvd. St. Louis, MO 63167	DKC 62-08, DKC 64-35, DKC 66-59, DKC 66-87, DKC 67-72, DKC 67-44, DKC 68-26, DKC 70-27
Mycogen Seeds 253 Avondale Rd Greenville, MS 38703	MY16M16
Syngenta Seeds/NK Seeds 11055 Wayzata Blvd. Mimnetonka, MN 55305	NK1405 3220EZ, NK 1573 3111
Terral Seed 117 Ellington Drive Rayville, LA 71269	REV 23BHR55, REV 25BHR26, REV 26BHR50, REV 28R10, REV 28BHR18
WinField United/Croplan 113 Demoss Ln Winnsboro, LA 71295	6640VT3P, 7927VT3P, 5678VT2P