Performance of Corn Hybrids in Louisiana 2011

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Performance of Grain Corn Hybrids in Louisiana 2011

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Performance of Corn Hybrids in Louisiana, 2011

H.J. "Rick"Mascagni, Jr., Brooks Blanche, Millie Deloach, John Kruse, Rogers Leonard, Boyd Padgett, and Sarah Sterling

Performance of corn hybrids is annually evaluated by Louisiana Agricultural Experiment Station (LAES) researchers. 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 2011 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 2011, 72 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 clay Mississippi River alluvial soils. The Bossier City and Winnsboro trials were 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. 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, an 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.

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Table 1. Traits and rating scales for LAES corn performance trials.

Trait	Abbreviation	Description
Yield	Yield	Grain yield @ 15.5% harvest grain moisture, bu/a (2010)
2-Year yield average	2- yr avg	Average grain yield for 2010 and 2011, bu/a
Grain moisture	Gr Mo	Grain moisture at harvest, %
Test weight	Test wt	Volume weight of grain, lb/bu
Plant population	Stand	Plant count 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	Plant ht	Height from ground to flag leaf, in
Ear height	Ear ht	Height from ground to where primary ear attaches to the plant, in
Husk cover	H C	Measure of how well the kernels are covered by the husk, with ratings of 1-3; 1-closed and 3- open husk
Lodging	Lo	Estimate of lodged plants, %
Earworm damage	E D	Earworm damage ratings 0-3; 0-no damage, 1-channels < 1 in, 2-channels < 3 in, 3-channels > 3 in
Barren tip	B T	Barren tip (BT) ratings 0-3; 0-no BT, 1-BT < 1 in, 2-BT < 3 in, 3-BT> 3 in

RESULTS

Yield data for 2011 and two-year averages (2010 and 2011) 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 2011 (yields falling within one LSD value) are in bold print. Hybrids in bold print with a single asterisk are in the highest-yielding group for both years, 2010 and 2011. A location summary, soil type, cultural practices, and weather information are listed prior to data tables for each location. Yield summary across Louisiana for 2011 is presented in Table 7, seed traits and hybrid maturities are listed in Table 8, and participating seed companies are listed in Table 9. There were eleven seed companies that participated in the 2011 corn hybrid performance trials.

For additional information on corn trials, please contact Dr. Rick Mascagni, Northeast Research Station, P.0. Box 438, St. Joseph, LA 71366 (Ph: 318-766-3769; Fax: 318-766-4278; e-mail: hmascagni@agcenter.lsu.edu); or the coordinator at a specific location, Ms Millie Deloach,

Dean Lee Research Station, Alexandria, LA 71302 (Ph: 318-473-6524, Fax: 318-473-6535, e:mail: sblanche@agcenter.lsu.edu); Ms. Sarah Sterling, Red River Research Station, Bossier City, LA 71113 (Ph: 318-741-7430, Fax 318-741-7433, e:mail: bgolden@agcenter.lsu.edu).

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

Location Summary

Rainfall was relatively low in May; however, weather data was only available through mid-June (see below). Yields ranged from 110.5 to 151.8 bu/a in this dryland trial, with a trial average of 134.3 bu/a (Table 2). Thirty-four hybrids had two-year averages and twenty-five hybrids fell within the high-yielding group in 2011. There was only one hybrid, DEKALB DKC68-05, that did well both years. Other agronomic data are presented in Table 2.

Soil Type……..Coushatta silt loam
Tillage……..….Subsoiled in fall. Stale seedbed with no spring cultivation.
Row Spacing…….…38 inches
Seeding Rate……32,000 seed/acre
Previous Crop……...Soybeans
Planting Date..……March 7
Fertilization...Sidedress:200 lb N/acre (30-0-0-2) plus 1 lb Zn/acre
Pesticides……Burndown: Cornerstone Plus @ 1 qt/acre + 2,4-D @ 16 oz/acre;
Preemerge: Lexar @ 2 qt/acre;
Postemerge: Bicep II Mag @ 1.5qt/acre;
Harvest Date……..August 8

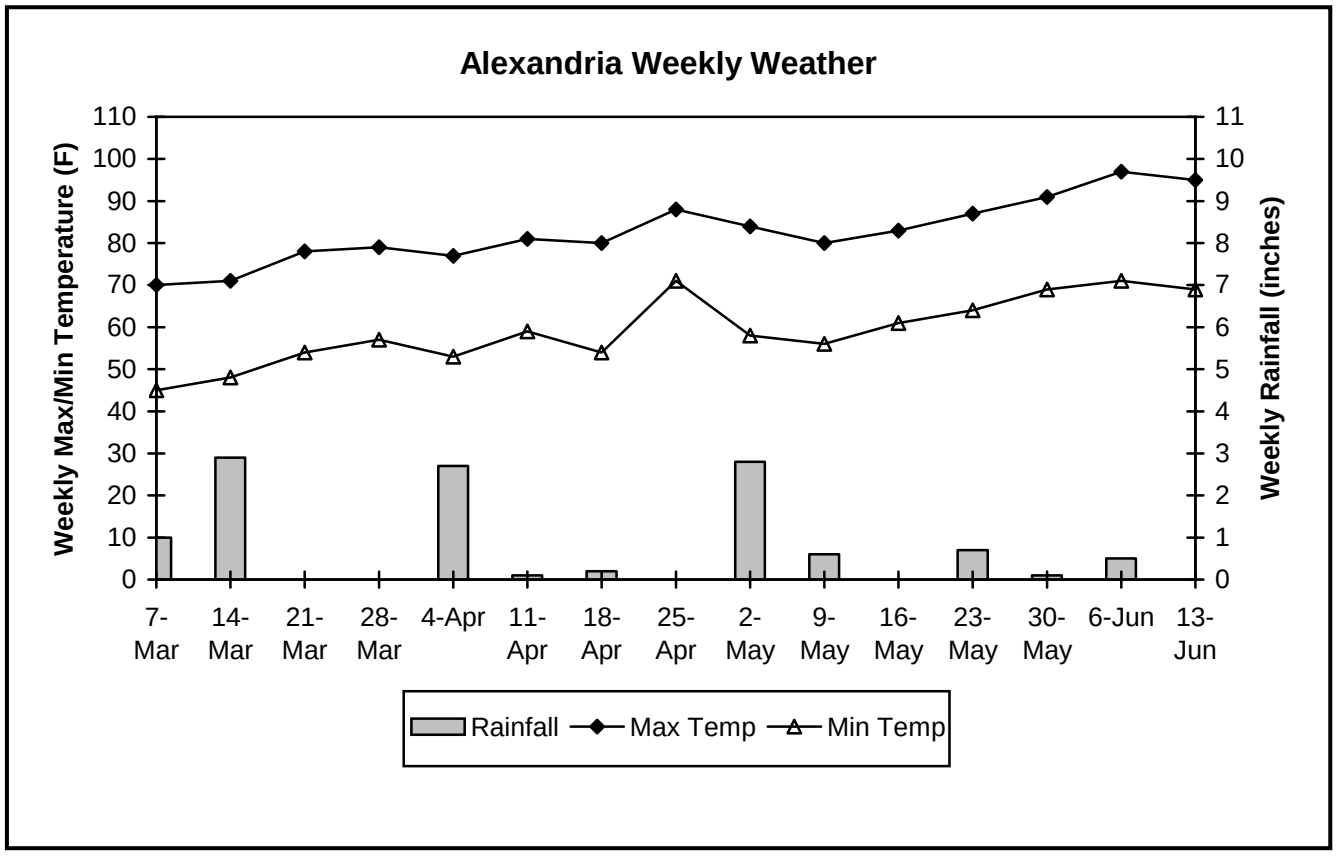

Table 2. Performance of corn hybrids at Alexandria, 2011.

Brand/hybrid	2011 Yield[1]	2-yr avg[2]	Gr Mo	Test wt	Stand	Mid-silk	Plant ht	Ear ht
	bu/a	bu/a	%	lb/bu	plt/a	DAP	in	in
Pioneer 33F87 (HX1,LL,RR2)	**151.8**	138.7	9.7	55.1	27,480	74	87	27
REV®28HR29™	**148.6**	139.6	12.5	55.4	24,050	78	89	33
REV®28R10™	**147.8**	139.2	12.7	57.2	23,700	77	88	28
REV®28HR20™	**147.6**	137.4	11.7	57.7	28,170	80	87	28
Pioneer P2088HR	**147.4**	-	11.2	56.1	26,110	77	86	24
REV®28HR30™	**147.2**	133.1	12.5	55.9	24,390	77	91	32
DEKALB DKC9-29	**147.0**	-	11.0	56.2	25,080	74	84	30
Golden Acres GA27V01	**146.5**	135.3	9.1	52.5	20,950	77	88	29
NK N78N-3111 Brand	**146.1**	-	9.3	55.7	29,200	74	90	36
Pioneer P1745HR	**146.1**	136.4	10.8	55.0	21,980	77	92	32
REV®26HR50™	**145.9**	140.2	11.0	57.2	24,390	77	85	31
Pioneer P1615HR	**144.8**	134.8	11.3	57.5	25,420	77	88	34
DEKALB DKC64-69	**144.6**	139.6	10.7	54.8	24,730	74	75	25
DEKALB DKC67-88	**144.6**	140.9	10.6	57.1	25,420	77	87	35
DEKALB DKC65-19	**144.5**	-	10.7	55.8	23,700	77	76	22
Armor 1262DPRO	**144.0**	-	10.6	55.8	24,050	74	84	25
DEKALB DKC61-35	**142.7**	-	9.6	54.8	28,510	74	82	23
DEKALB DKC66-96	**142.0**	141.9	9.8	54.5	25,420	74	77	28
DEKALB DKC62-09	**140.6**	-	10.8	54.2	25,420	76	79	30
DEKALB DKC68-05*	**140.4**	143.4	11.1	55.2	26,450	76	87	27
Dyna-Gro V5683VT3	**139.8**	135.0	10.0	53.2	26,110	77	83	38
REV®27HR52™	**139.4**	-	11.2	53.4	21,980	77	89	29
Dyna-Gro D55VC21	**139.2**	-	7.6	53.1	27,820	76	83	26
Pioneer P1389HR	**138.3**	138.8	11.9	58.4	26,790	76	84	27
AgriGold A6553VT3	**138.2**	-	8.6	53.2	26,450	74	94	32
AgriGold A6632VT3Pro	137.6	132.2	9.6	53.2	25,420	74	82	21
Armor 1655PRO	137.5	137.5	9.9	54.9	26,110	77	85	33
REV®25HR39™	136.8	135.8	12.0	56.2	27,140	77	86	29
DEKALB DKC61-88	136.5	-	10.5	55.4	24,390	76	78	23
AgriGold A6839VT3Pro	136.1	-	12.3	58.2	25,080	74	85	30
DEKALB DKC67-21	135.8	127.3	11.7	56.5	26,110	77	84	26
REV®25R19™	135.7	133.6	11.5	57.9	24,050	77	87	29
DEKALB DKC64-83	135.5	132.5	11.1	55.4	25,080	74	83	26
Delta Grow 2988	135.0	-	10.7	54.8	24,390	74	86	26
Pioneer 31P42 (HX1,LL,RR2)	135.0	126.6	12.4	56.6	24,732	78	88	28
REV®25HR49™	135.0	132.7	12.0	57.2	25,760	77	91	27
DEKALB DKC67-57	134.7	-	10.4	55.9	25,420	74	76	24
Pioneer P2023HR	134.5	131.7	12.7	58.2	23,360	77	89	28
AgriGold A6679VT3Pro	133.7	-	12.6	56.9	26,450	77	84	28
Pioneer P1184HR	133.3	132.2	11.2	56.4	24,730	76	83	29
REV®26HR22™	133.2	-	11.7	55.3	26,450	78	95	35
M-Pride MP3152VT3	132.7	-	11.5	54.9	34,690	77	85	32
M-Pride MP3193VT3Pro	131.0	-	8.8	52.6	26,450	77	88	27
Dyna-Gro D51VP40	130.8	-	8.2	52.7	26,790	74	85	27
Armor 1539PRO	130.6	124.9	12.0	55.7	20,610	77	83	33

Dyna-Gro CX11114	130.0	-	10.7	56.3	24,390	74	82	26
Dyna-Gro D56VP24	130.0	-	8.6	51.5	25,080	78	84	23
REV®26HR82™	130.0	-	12.9	56.1	21,300	77	89	33
Unity US7516-3000GT	130.0	-	10.8	54.2	25,080	74	87	29
REV®27HR32™	129.9	-	12.7	57.5	26,790	78	82	28
NK N78S-3111 Brand	129.2	-	10.2	52.6	20,610	76	87	34
DEKALB DKC61-06	128.5	-	11.1	57.1	21,980	74	81	30
Dyna-Gro D58VP30	127.9	-	10.5	54.5	24,730	77	89	34
Dyna-Gro D56VP69	127.6	-	12.2	56.1	24,730	77	83	32
NK N77P-3111 Brand	126.8	-	10.9	53.7	21,980	77	87	32
Dyna-Gro 57V59	125.6	124.2	9.7	53.6	22,670	74	80	28
Unity US7514-3000GT	125.4	124.6	10.1	53.5	27,480	74	87	32
Armor 1415PRO	124.1	-	9.9	52.4	19,920	74	85	31
DEKALB DKC63-07	123.1	-	11.2	54.2	19,920	74	75	27
Pioneer P1944HR	122.6	-	12.1	55.7	25,760	77	90	28
Unity US7416-3000GT	122.6	-	11.2	55.5	24,730	74	86	37
Delta-Grow 3788GTBT11	121.5	128.1	10.7	54.3	27,140	76	87	34
Golden Acres GA28V81	120.9	129.8	11.2	55.6	26,790	76	88	32
Dyna-Gro D55Q80	119.8	124.9	10.7	55.2	24,050	76	88	27
M-Pride MP3151GTCB	119.6	-	11.2	56.1	26,110	74	86	34
Armor 1161PRO(V)	119.5	129.8	8.2	53.0	27,480	74	86	28
Dyna-Gro D57GT60	119.1	126.7	11.3	55.0	24,050	76	85	30
Dyna-Gro V5373VT3	118.4	125.9	9.5	54.3	25,420	76	83	26
M-Pride MP3150GT3	118.4	-	11.5	54.6	25,080	77	88	31
Delta Grow 2888GTBTLL	110.5	-	9.8	54.5	27,140	74	85	33
Average	**134.3**		**10.8**	**55.3**	**25,080**	**76**	**85**	**29**
CV,%	**9**		**12**	**2**	**12**	**1**	**4**	**10**
LSD (0.10)	**13.7**		**1.5**	**1.7**	**NS[3]**	**2**	**6**	**5**

[1]Yields in bold denote hybrids that are in the highest-yielding group in 2010.
[2]Hybrids in bold with an asterisk (*) were in the highest-yielding group in both 2010 and 2011.
[3]NS = Non-significant at the 0.10 probability level

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

Location Summary

Rainfall in April and July was below normal (see below). There were two furrow-irrigations in this trial, June 7 and July 14. Yields ranged from 113.8 to 165.8 bu/a, with a trial average of 141.2 bu/a (Table 3). Fifteen hybrids fell within the highest-yielding group in 2011. There were no two-year averages, because data was not available in 2010. Harvest grain moistures were extremely low, only averaging 8.5%. These low moistures were probably due to a combination of dry weather and temperatures above 100° F in early to mid-August. Corn was harvested in mid-August.

Soil Type……...Caplis very fine sandy loam
Tillage……Conventional till with no spring cultivation
Row Spacing…….……..……40 inches
Seeding Rate…….……...…32,000 seed/a
Previous Crop…….……...Corn
Planting Date…….…….March 23
Fertilization…….
Sidedress: 200 lb N/a (30-0-0-2)
Pesticides……
Pre-emerge: Atrazine @ 1.5 qt/a + Dual @ 1.25 pt/a;
Post-emerge: Gramoxone @ 1 qt/a + Atrazine @ 1.5 qt/a (5/18); Aim @ 1 oz/a + 0.25% surfactant (6/30); Gramoxone @ 1 qt/a (7/29);
Irrigation……
Furrow irrigated – June 7 and July 14
Harvest Date…….…….……..August 15-18

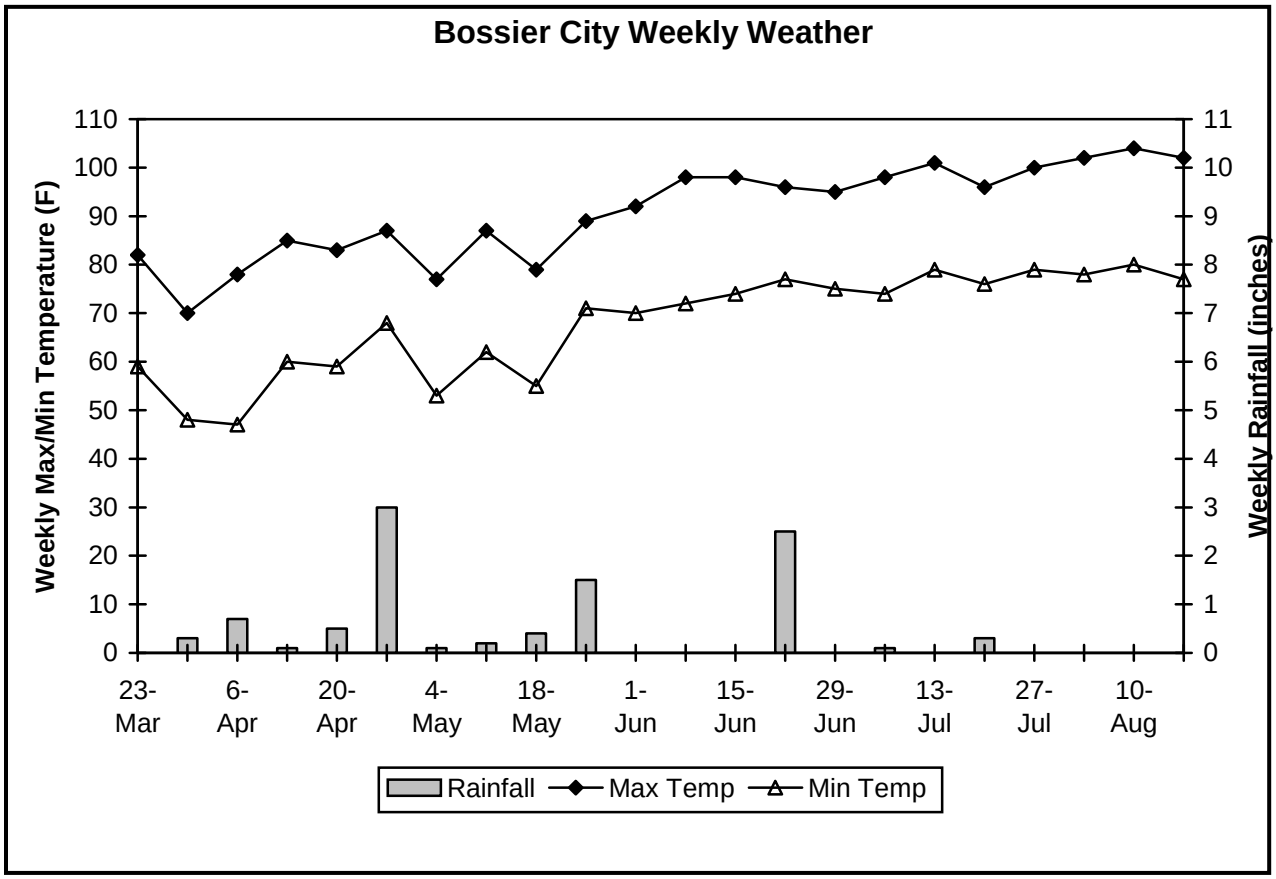

Table 3. Performance of corn hybrids at Bossier City, 2011.

Brand/hybrid	2011 Yield[1]	Gr Mo	Stand	Plant ht	Ear ht	Lo[2]
	bu/a	%	plt/a	in	in	%
AgriGold A6553VT3	**165.8**	8.1	33,350	68	28	10
DEKALB DKC68-05	**158.2**	8.1	28,780	66	34	10
DEKALB DKC69-29	**157.1**	8.7	32,700	69	33	20
Dyna-Gro D56VP24	**155.6**	8.0	31,390	75	36	10
DEKALB DKC61-35	**153.5**	8.2	32,700	67	31	10
DEKALB DKC67-88	**152.4**	8.6	35,970	74	42	40
Delta Grow 3788GTBT11	**151.3**	8.7	35,320	81	41	40
DEKALB DKC64-69	**150.6**	8.5	30,740	70	33	30
REV®27HR52™	**150.2**	8.1	28,120	73	29	0
DEKALB DKC61-06	**149.9**	8.6	33,350	67	35	10
Golden Acres GA27V01	**149.9**	7.9	32,700	71	37	10
Dyna-Gro V5683VT3	**149.8**	8.1	31,390	77	42	20
AgriGold A6632VT3Pro	**149.5**	8.4	29,430	63	26	10
DEKALB DKC62-09	**149.5**	8.2	28,780	67	36	10
Armor 1415PRO	**149.4**	8.3	30,740	69	32	10
DEKALB DKC61-88	148.7	8.5	34,660	69	36	30
Dyna-Gro D58VP30	148.2	8.6	34,010	76	40	0
Pioneer P1615HR	148.1	8.6	28,780	80	38	10
Armor 1655PRO	147.9	8.6	34,660	71	37	30
Dyna-Gro CX11114	147.8	8.6	28,780	69	32	10
Dyna-Gro D55VC21	147.4	8.7	32,050	70	30	0
Dyna-Gro V5373VT3	147.4	8.5	34,010	73	39	0
DEKALB DKC67-21	147.2	9.0	32,050	72	40	70
Golden Acres GA28V81	147.2	8.5	28,120	73	39	10
NK N78S-3111 Brand	146.9	8.5	27,470	73	36	30
DEKALB DKC67-57	145.9	8.7	34,660	60	34	10
Delta Grow 8188	145.8	8.1	33,350	73	36	10
M-Pride MP3152VT3	144.2	8.4	28,120	71	35	10
Dyna-Gro 57V59	143.9	7.9	28,120	60	30	10
REV®27HR32™	143.6	8.7	30,740	75	36	0
DEKALB DKC66-96	143.1	8.4	32,700	69	33	0
Pioneer P2023HR	142.6	8.4	27,470	73	33	10
DEKALB DKC64-83	142.3	8.9	34,660	70	30	10
M-Pride MP3193VT3Pro	142.2	8.0	33,350	74	34	0
NK N77P-3111 Brand	142.0	8.2	30,080	71	39	10
REV®28HR20™	141.9	8.5	32,050	84	41	60
Pioneer P1745HR	141.8	8.0	32,050	72	35	30
REV®26HR50™	141.8	9.5	31,390	68	33	10
DEKALB DKC65-19	141.7	8.4	33,350	66	31	0
REV®25HR49™	140.8	8.9	30,740	73	36	40
DEKALB DKC63-07	139.6	8.6	33,350	62	32	20
Dyna-Gro D56VP69	139.3	8.9	29,430	73	39	50
Dyna-Gro D57GT60	139.2	8.2	35,320	63	34	10
REV®28R10™	138.9	8.6	37,930	80	31	40
Armor 1161PRO(V)	138.7	8.4	30,740	70	30	0

Delta Grow 2888GTBTLL	138.5	8.8	33,350	70	40	20
Armor 1539PRO	138.4	8.8	29,430	70	38	40
REV®26HR82™	138.3	7.8	32,700	80	34	10
Pioneer P1184HR	138.1	8.5	32,050	74	36	20
Pioneer P1389HR	138.1	8.8	40,550	76	35	0
Pioneer 31P42 (HX1,LL,RR2)	138.0	8.8	29,430	84	40	10
NK N78N-3111 Brand	137.6	8.6	29,430	78	40	10
REV®26HR22™	137.6	8.2	32,050	81	38	10
Pioneer 33F87 (HX1,LL,RR2)	137.4	8.4	30,080	70	33	20
Dyna-Gro D55Q80	137.1	8.9	35,970	75	41	50
Pioneer P2088HR	136.7	8.1	28,780	78	33	40
Delta Grow 2988	136.0	8.5	27,470	68	36	10
Dyna-Gro D51VP40	134.9	8.6	32,700	71	37	10
M-Pride MP3150GT3	133.8	8.5	32,700	76	37	50
Delta Grow 8488	133.0	8.4	32,050	73	38	0
Armor 1262DPRO	132.2	8.4	32,050	75	33	10
REV®25R19™	132.2	8.1	30,080	77	38	0
Unity US7514-3000GT	130.0	7.8	30,740	75	39	50
AgriGold A6679VT3Pro	129.2	8.9	26,810	73	38	60
Pioneer P1944HR	128.4	8.0	30,080	75	31	0
AgriGold A6839VT3Pro	125.8	8.8	30,080	73	37	40
Unity US7516-3000GT	125.6	8.6	25,510	75	38	20
M-Pride MP3151GTCB	123.3	8.8	33,350	70	40	20
Unity US7416-3000GT	122.5	8.6	34,010	72	36	0
REV®28HR29™	120.2	8.5	32,700	78	37	10
REV®25HR39™	120.1	8.2	33,350	75	33	10
REV®28HR30™	113.8	8.2	32,050	78	36	10
Average	**141.2**	**8.5**	**31,650**	**72**	**35**	**20**
CV, %	**11**	**6**	**11**	**5**	**8**	**110**
LSD (0.10)	**16.7**	**0.5**	**NS[3]**	**6**	**5**	**30**

[1]Yields in bold denote hybrids that are in the highest-yielding group in 2010. There were no two-year averages, because data was not available in 2010.

[2]Lo – stalk lodging

[3]NS – 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

Although rainfall was relatively low over the growing season, rainfall events were well distributed (see below). Temperatures averaged well above 90° F in June and July. Yields were excellent, ranging from 151.9 to 200.2 bu/a with a trial average of 167.1 bu/a (Table 4). There was only one hybrid, REV®28R10™, that fell within the highest-yielding group in 2011 and no hybrid fell in this group both years, 2010 and 2011. Yields were higher than expected considering the above normal temperatures. Earworm damage (ED) was very low, with only one hybrid having a rating as high as 2.

Soil Type……..……..…Commerce silt loam
Tillage……..Conventional till with no spring cultivation
Row Spacing…….……40 inches
Seeding Rate…….…..……32,000 seed/a
Previous Crop……Cotton
Planting Date……..…March 19
Fertilization……...Sidedress: 200 lb N/a (30-0-0-2)
Pesticides…….….
Burndown: Round-Up @ 1.5 pt/a + 2,4-D @ 0.75 pt/a;
Pre-emerge: Atrazine @ 1.5 qt/a + Dual @ 1 pt/a + Discipline @ 2 oz/a;
Post-emerge: Atrazine @ 1.5 qt/a + Steadfast @ 1.5 oz/a + 0.25% NIS;
Harvest Date…….……..…August 2-3

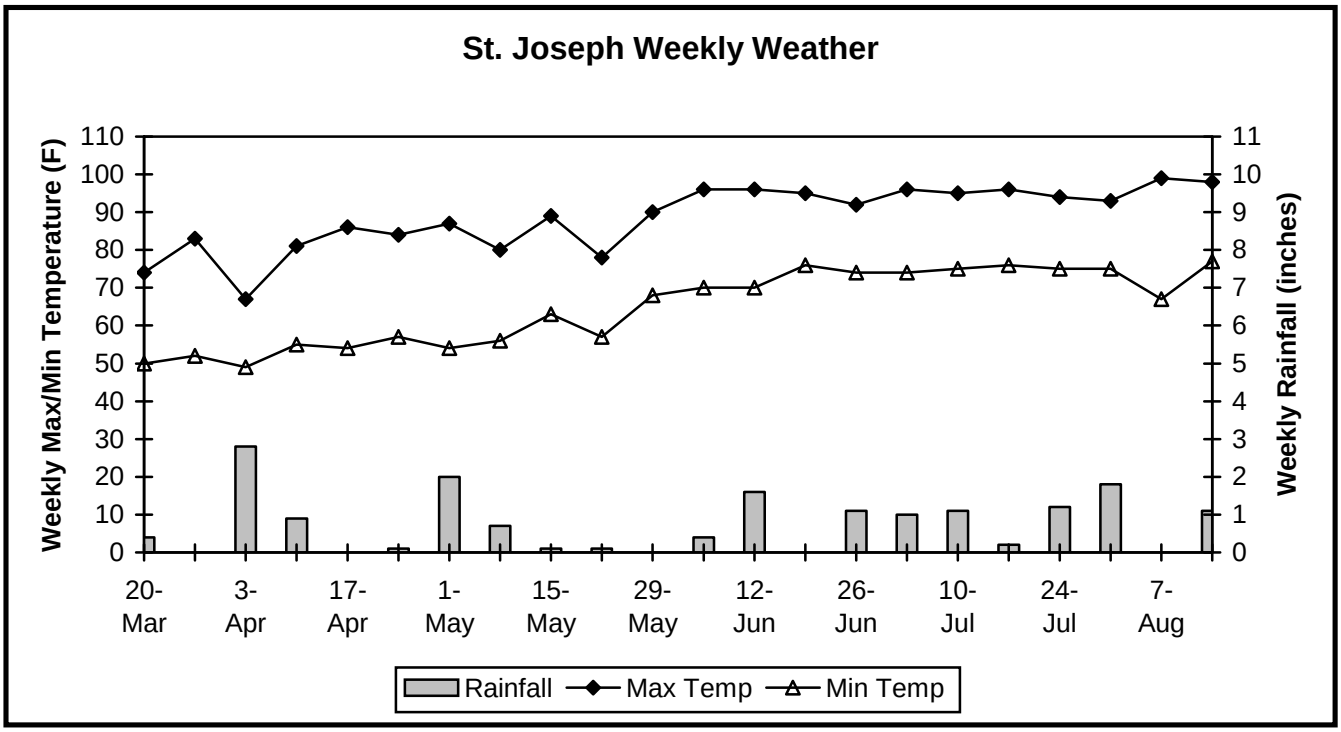

Table 4. Performance of corn hybrids on Commerce silt loam at St. Joseph, 2011.

Brand/hybrid	2011 Yield[1]	2-yr avg	Gr Mo	Test wt	Stand	Mid-silk	Plant ht	Ear ht	HC	ED	BT
	bu/a	bu/a	%	lb/bu	plt/a	DAP	in	in	1-3	0-3	0-3
REV®28R10™	**200.2**	159.9	20.3	54.6	32,370	69	95	52	1	0	1
NK N78N-3111 Brand	184.3	-	18.7	59.3	25,830	66	97	47	1	0	1
Pioneer P1944HR	184.1	-	19.4	55.2	36,300	71	92	43	2	0	1
Pioneer P2088HR	183.1	-	20.0	57.6	36,620	69	90	42	2	1	2
REV®28HR20™	182.3	143.1	19.6	57.4	32,050	70	96	47	2	1	1
REV®28HR29™	181.7	143.3	21.6	56.1	26,810	70	98	53	2	1	2
Pioneer P1745HR	180.9	148.1	19.1	55.3	31,720	70	91	47	2	1	1
REV®27HR32™	180.6	-	19.0	60.0	29,430	68	88	44	2	1	1
DEKALB DKC67-88	179.4	142.7	19.7	55.7	30,410	68	92	55	2	0	1
Dyna-Gro D56VP69	178.4	-	19.2	58.1	27,800	67	90	46	3	1	1
REV®27HR52™	178.2	-	19.5	58.1	27,140	68	84	35	2	1	1
NK N78S-3111 Brand	178.1	-	19.6	56.0	21,580	66	94	47	2	1	1
REV®28HR30™	178.0	148.7	21.8	55.7	31,720	69	102	54	3	1	1
DEKALB DKC61-88	177.6	-	19.3	57.2	24,850	65	88	50	3	1	1
DEKALB DKC67-21	177.0	144.5	19.0	57.6	34,340	67	87	45	3	1	1
REV®26HR50™	175.8	146.5	19.1	57.7	23,540	69	96	47	2	1	1
Golden Acres GA27V01	175.0	145.3	18.8	56.3	38,590	69	88	44	2	1	1
DEKALB DKC67-57	173.7	-	18.3	60.1	30,410	64	77	34	1	1	1
Pioneer P2023HR	173.4	139.9	19.4	59.5	27,800	70	95	42	1	1	1
Pioneer 31P42 (HX1,LL,RR2)	173.3	135.7	18.3	57.4	29,100	69	93	51	1	1	1
M-Pride MP3193VT3Pro	171.5	-	19.2	55.5	32,700	67	94	48	2	1	1
DEKALB DKC69-29	171.3	-	18.2	56.4	27,470	65	81	33	1	1	1
Dyna-Gro V5683VT3	170.1	140.5	18.6	56.7	30,080	68	90	52	1	1	1
Armor 1262DPRO	170.0	-	18.6	57.2	26,490	65	88	36	3	1	1
Armor 1539PRO	169.7	144.2	19.9	57.2	32,370	67	96	53	3	1	1
DEKALB DKC62-09	168.9	-	17.0	58.8	24,850	65	88	47	2	1	1
Pioneer P1615HR	168.7	149.8	19.4	56.5	26,810	69	104	45	2	1	1
REV®26HR22™	168.6	-	19.2	55.3	27,800	69	92	48	1	1	1
REV®26HR82™	168.4	-	19.6	55.6	30,740	69	92	38	2	1	1
DEKALB DKC64-83	168.3	132.1	19.0	58.9	31,070	66	80	36	2	1	1
REV®25HR39™	168.3	140.4	18.3	59.4	27,800	69	100	56	2	1	1
Unity US7516-3000GT	167.3	-	19.5	57.4	27,140	66	87	46	1	1	1
M-Pride MP3152VT3	166.1	-	18.9	57.8	31,720	67	89	51	1	1	1
REV®25HR49™	165.9	138.9	18.8	57.4	29,760	69	93	42	1	0	1
Armor 1655PRO	165.6	148.9	18.7	57.1	27,470	66	94	50	1	0	1
Dyna-Gro D56VP24	165.0	-	19.2	56.0	28,450	67	84	40	2	1	1
Armor 1415PRO	164.8	-	19.6	59.1	28,450	64	87	39	2	1	1
DEKALB DKC61-35	164.8	-	17.7	57.6	30,080	64	88	41	2	1	1
DEKALB DKC64-69	164.5	122.0	17.6	56.0	29,430	66	86	43	2	1	1
Dyna-Gro D55Q80	164.5	139.7	19.8	57.7	27,800	67	91	44	1	1	1
Dyna-Gro D55VC21	164.4	-	20.2	56.1	32,700	65	83	36	2	1	1
DEKALB DKC66-96	163.7	144.9	17.6	60.0	24,200	66	80	43	2	1	1
Delta Grow 2988	163.5	-	18.5	57.5	29,100	67	89	45	1	0	1
Dyna-Gro CX11114	163.5	-	18.3	57.1	30,410	64	84	34	1	0	1
Dyna-Gro D51VP40	163.3	-	18.9	56.6	29,430	64	89	41	2	1	1

NK N77P-3111 Brand	162.8	-	19.8	55.9	23,540	67	93	47	2	0	1
Dyna-Gro V5373VT3	162.4	127.8	19.6	56.0	32,370	68	88	41	1	1	1
AgriGold A6632VT3Pro	162.3	134.6	20.1	57.1	33,350	65	84	40	1	1	1
AgriGold A6839VT3Pro	161.9	-	19.3	59.1	23,220	67	90	44	1	0	1
Pioneer P1184HR	161.3	145.3	17.5	58.6	29,100	66	96	47	1	2	2
AgriGold A6679VT3Pro	161.0	-	18.9	57.3	33,350	66	88	38	2	1	1
DEKALB DKC68-05	160.7	147.1	19.0	56.0	36,950	66	91	46	2	1	1
Armor 1161PRO(V)	160.6	137.8	19.6	57.8	26,490	65	88	42	1	0	1
Pioneer 33F87 (HX1,LL,RR2)	160.6	139.3	17.8	59.3	30,080	67	94	50	1	1	1
Delta Grow 8188	160.5	-	17.1	57.0	29,100	65	82	42	2	1	1
M-Pride MP3151GTCB	160.4	-	18.2	58.8	26,487	66	89	41	1	1	1
AgriGold A6553VT3	160.1	-	18.9	56.7	29,100	65	85	40	2	1	1
Dyna-Gro D58VP30	159.1	-	19.8	57.1	33,350	68	88	49	1	0	1
Unity US7416-3000GT	159.1	-	18.5	57.7	26,810	65	86	41	2	1	1
DEKALB DKC63-07	157.7	-	16.9	56.6	21,580	64	80	42	2	1	1
Golden Acres GA28V81	157.0	137.2	18.9	57.9	28,450	68	90	50	1	0	1
Delta Grow 2888GTBTLL	156.1	-	19.9	58.2	23,870	66	90	41	2	1	1
Pioneer P1389HR	156.1	137.4	19.1	59.2	29,760	67	86	48	1	1	1
REV®25R19™	155.9	132.0	18.0	60.0	30,410	68	91	45	1	1	1
DEKALB DKC61-06	155.5	-	16.5	59.7	28,780	67	80	38	3	1	1
Dyna-Gro 57V59	155.4	126.2	16.9	55.7	27,470	65	76	34	2	1	1
Unity US7514-3000GT	155.3	144.8	17.6	57.2	29,103	67	87	42	1	1	1
Delta Grow 3788GTBT11	154.8	133.3	18.9	57.2	32,370	67	83	49	1	1	1
M-Pride MP3150GT3	154.8	-	19.9	56.8	29,100	67	95	51	1	1	1
DEKALB DKC65-19	152.8	-	18.7	57.2	27,140	65	79	38	1	1	1
Delta Grow 8488	152.8	-	18.2	60.1	27,800	69	80	43	1	1	1
Dyna-Gro D57GT60	151.9	133.9	17.6	57.2	25,180	66	88	45	2	1	1
Average	**167.1**		**18.9**	**57.4**	**29,130**	**67**	**89**	**44**	**1**	**1**	**1**
CV, %	**7**		**2**	**2**	**14**	**2**	**6**	**12**	**39**	**92**	**20**
LSD (0.10)	**12.5**		**0.4**	**2.3**	**6,600**	**2**	**9**	**9**	**1**	**NS**	**1**

[1]Yields in bold denote hybrids that are in the highest-yielding group in 2011. No hybrid was in the highest-yielding group for both 2010 and 2011.

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

Location Summary

Although rainfall was well distributed, total amounts were low (see below). Temperatures averaged well above 90° F in June and July. Yields ranged from 99.4 to 139.2 bu/a, with a trial average of 120.2 bu/a (Table 5). These yields were higher than expected considering the low rainfall and high temperatures. Twenty-two hybrids fell within the highest-yielding group in 2011, with only one hybrid, Pioneer P1745HR, falling within this group for both years, 2010 and 2011. Test weights were excellent, with a trial average of 60.1 lb/bu. Similar to the Commerce trial, corn earworm damage (ED) was very low, probably contributing to the good yields.

Soil Type…….……Sharkey clay
Tillage...Stale seedbed with no spring cultivation
Row Spacing…… 40 inches
Seeding Rate……..……32,000 seed/a
Previous Crop……..…….…….Cotton
Planting Date……..…March 22
Fertilization…...Sidedress: 235 lb N/a (30-0-0-2)
Pesticides…Burndown: Round-Up @ 1.5 pt/a + 2,4-D @ 0.75 pt/a;
Pre-emerge: Atrazine @ 1.5 qt/a + Dual @ 1.5 pt/a + Discipline @ 2 oz/a;
Post-emerge: Atrazine @ 1 qt/a + Steadfast @ 1.5 oz/a + 0.25% NIS;
Harvest Date……...August 3-4

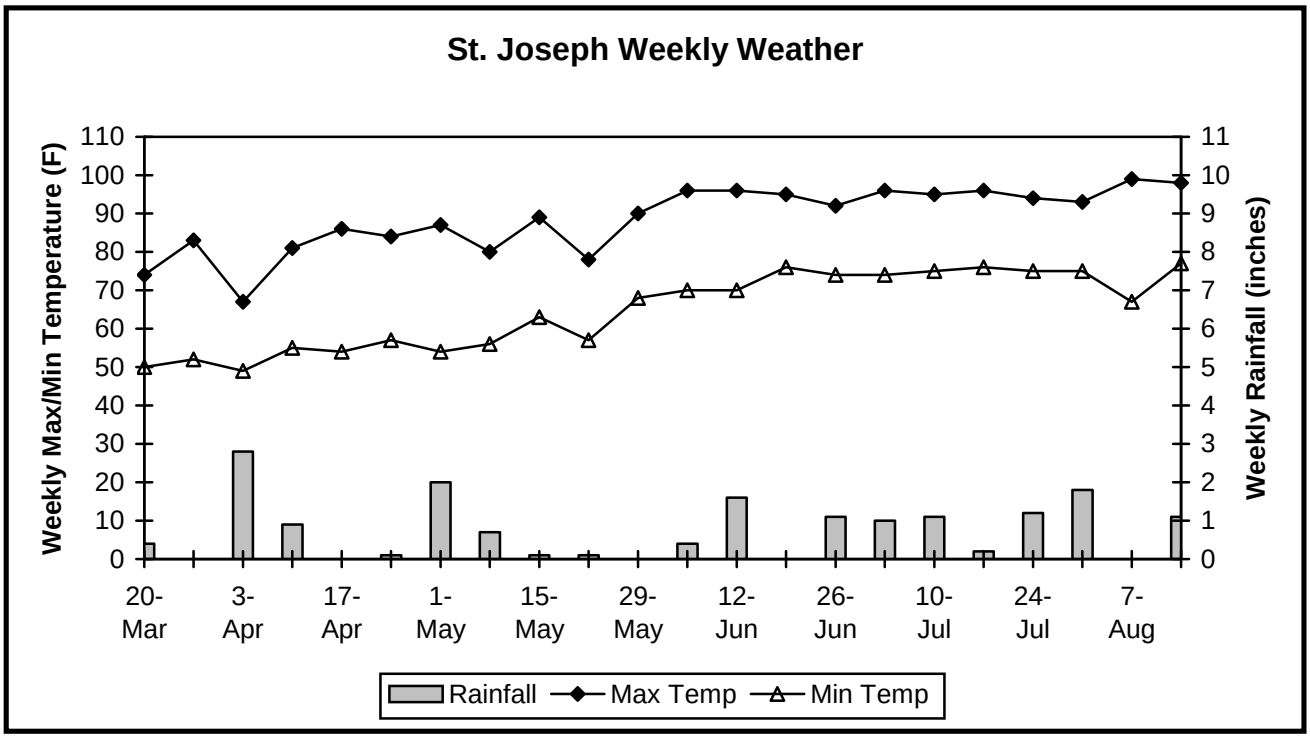

Table 5. Performance of corn hybrids on Sharkey clay at St. Joseph,2011.

Brand/hybrid	2011 Yield[1]	2-yr avg[2]	Gr Mo	Test wt	Stand	Mid-silk	Pl ht	Ear ht	HC	ED	BT
	bu/a	bu/a	%	lb/bu	plt/a	DAP	in	in	1-3	0-3	0-3
Dyna-Gro D56VP69	**139.2**	-	17.5	60.7	29,760	66	74	44	2	1	1
DEKALB DKC67-57	**138.6**	-	17.9	61.4	25,830	63	66	36	2	1	1
REV®28HR20™	**135.3**	127.0	18.4	62.3	30,410	69	81	38	1	1	1
DEKALB DKC66-96	**134.8**	127.6	15.7	61.0	30,410	65	72	35	1	1	1
DEKALB DKC67-21	**134.4**	125.7	18.2	58.7	31,720	66	73	41	1	1	1
NK N78N-3111 Brand	**134.3**	-	18.9	60.4	28,780	65	78	43	1	0	1
DEKALB DKC64-69	**134.1**	115.8	16.5	60.1	24,200	64	71	41	3	1	1
Dyna-Gro CX11114	**133.8**	-	16.8	61.9	31,070	63	69	32	1	1	1
DEKALB DKC61-88	**131.5**	-	15.6	59.9	30,410	64	73	38	1	0	1
NK N78S-3111 Brand	**129.9**	-	18.3	58.5	25,180	65	75	37	1	0	1
M-Pride MP3152VT3	**129.5**	-	17.5	59.7	25,830	65	78	46	1	0	1
DEKALB DKC61-06	**129.1**	-	15.9	60.1	29,100	64	71	41	3	0	1
DEKALB DKC69-29	**128.1**	-	18.0	61.2	25,830	63	75	38	1	1	1
DEKALB DKC67-88	**127.5**	121.3	19.1	58.8	27,800	68	78	43	1	0	1
Delta Grow 2888GTBTLL	**127.4**	-	16.6	62.4	26,490	64	74	40	2	1	1
Armor 1655PRO	**127.2**	123.7	17.1	58.7	25,830	66	78	47	1	1	1
Dyna-Gro D58VP30	**126.3**	-	18.0	60.6	31,070	65	78	42	1	1	1
Armor 1262DPRO	**126.0**	-	17.2	60.1	24,850	64	75	34	1	0	1
DEKALB DKC63-07	**126.0**	-	15.7	59.8	26,160	63	69	38	1	1	1
Pioneer P1745HR*	**125.6**	123.6	17.2	56.6	24,530	67	81	39	2	1	1
DEKALB DKC61-35	**125.5**	-	15.6	60.3	33,350	64	71	34	2	1	1
REV®27HR32™	**125.2**	-	17.8	60.9	26,490	66	80	37	1	0	1
REV®26HR50™	124.3	125.9	18.0	60.9	29,430	67	73	42	2	1	1
Unity US7516-3000GT	123.6	-	17.1	61.4	28,450	65	78	37	1	0	1
DEKALB DKC68-05	123.2	116.9	16.5	60.6	29,760	65	69	35	1	0	1
Delta Grow 2988	123.1	-	17.9	60.6	28,120	68	77	43	1	1	1
Pioneer P2088HR	122.9	-	17.5	62.3	27,470	67	79	41	1	1	1
NK N77P-3111 Brand	122.2	-	18.2	58.4	28,450	65	73	42	1	0	1
AgriGold A6679VT3Pro	122.0	-	18.2	60.0	25,830	66	72	42	2	1	1
REV®25HR39™	122.0	117.1	15.7	61.5	29,100	66	82	40	1	0	1
Dyna-Gro V5373VT3	121.9	108.4	17.6	59.2	31,070	65	76	38	2	1	1
Dyna-Gro V5683VT3	121.9	118.1	17.7	59.0	29,430	68	75	46	1	1	1
Pioneer P1184HR	121.6	115.6	15.8	62.0	32,050	65	74	40	1	1	1
AgriGold A6632VT3Pro	121.1	107.2	18.5	59.6	30,740	65	65	35	1	1	1
Pioneer P1615HR	120.7	123.1	17.6	61.5	24,850	66	83	48	1	1	1
REV®25HR49™	120.7	113.6	16.6	60.7	29,430	67	81	47	1	1	1
Dyna-Gro D56VP24	120.4	-	18.0	59.4	27,140	67	75	36	1	1	1
AgriGold A6839VT3Pro	119.7	-	17.9	60.8	28,780	65	69	42	1	0	1
Pioneer P1389HR	119.6	113.5	15.7	62.4	27,800	66	75	39	1	1	1
AgriGold A6553VT3	119.4	-	18.0	59.1	29,100	64	74	35	1	1	1
DEKALB DKC62-09	119.0	-	16.1	58.8	32,050	65	71	42	1	1	1
M-Pride MP3193VT3Pro	118.8	-	16.8	55.9	28,450	67	73	36	1	1	1
Dyna-Gro D55Q80	118.5	115.0	18.2	60.2	30,080	65	77	40	1	1	1
Delta Grow 8188	118.4	-	16.3	58.8	27,800	63	73	43	2	1	1
Golden Acres GA28V81	118.2	116.7	17.0	60.4	26,160	65	74	45	1	0	1

REV®28HR30™	118.2	118.1	19.5	59.4	25,510	67	83	45	2	1	1
REV®28R10™	117.5	123.1	17.8	60.6	33,030	68	76	39	1	1	1
Unity US7416-3000GT	116.7	-	16.0	60.4	29,100	65	75	44	2	1	1
REV®27HR52™	116.3	-	18.0	58.7	28,120	65	73	41	2	0	1
Delta Grow 3788GTBT11	116.0	116.0	18.5	58.1	27,800	67	79	48	1	0	1
REV®25R19™	115.9	116.2	16.0	61.2	24,530	66	80	44	2	1	1
REV®26HR82™	115.6	-	18.0	60.7	28,120	67	81	34	1	1	1
Dyna-Gro D57GT60	115.0	119.0	16.5	59.8	28,780	65	77	40	1	1	1
Armor 1539PRO	114.1	111.5	18.6	60.1	27,140	67	69	35	2	1	1
Pioneer 33F87 (HX1,LL,RR2)	113.7	117.0	15.6	61.3	31,390	65	71	35	1	1	1
DEKALB DKC65-19	112.5	-	18.0	60.8	23,870	64	62	37	2	1	1
Armor 1415PRO	112.0	-	18.1	60.1	27,800	64	69	33	2	1	1
Golden Acres GA27V01	112.0	119.4	18.2	58.3	27,470	68	76	35	1	0	1
Dyna-Gro D55VC21	111.6	-	17.2	60.5	32,050	65	64	29	1	0	1
M-Pride MP3151GTCB	111.3	-	16.3	60.5	29,100	65	75	37	2	1	1
DEKALB DKC64-83	111.1	102.2	16.9	60.9	28,450	64	73	35	1	1	1
Dyna-Gro D51VP40	110.6	-	16.3	59.2	31,390	65	70	33	1	0	1
Pioneer 31P42 (HX1,LL,RR2)	109.7	107.9	17.4	60.5	27,470	70	81	42	1	1	1
M-Pride MP3150GT3	109.2	-	18.6	60.6	28,120	66	76	47	1	1	1
Unity US7514-3000GT	109.1	114.2	17.8	59.3	29,100	65	79	45	1	1	1
Armor 1161PRO(V)	108.9	117.0	16.6	58.6	27,470	65	69	38	1	1	1
Delta Grow 8488	107.0	-	16.5	62.4	31,720	65	68	37	1	1	1
REV®26HR22™	105.7	-	18.0	59.2	25,180	66	78	42	2	1	1
Pioneer P1944HR	105.6	-	18.0	61.1	26,160	68	82	44	1	1	1
Dyna-Gro 57V59	104.9	105.8	15.2	59.6	27,470	64	71	34	1	1	1
Pioneer P2023HR	100.2	105.3	17.9	60.8	29,100	66	80	39	1	1	1
REV®28HR29™	99.4	110.9	19.4	60.1	30,080	69	83	44	1	1	1
Average	**120.2**		**17.3**	**60.1**	**28,360**	**65**	**74**	**39**	**1**	**1**	**1**
CV, %	**11**		**2**	**2**	**10**	**1**	**3**	**11**	**30**	**70**	**12**
LSD (0.10)	**14.3**		**0.3**	**1.6**	**NS**	**2**	**4**	**7**	**1**	**1**	**NS**

[1]Yields in bold denote hybrids that are in the highest-yielding group in 2010.

[2]Hybrids in bold with an asterisk (*) were in the highest-yielding group in both 2010 and 2011.

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

Location Summary

In this irrigated trial, there were seven furrow-irrigations (see adjacent table). Temperatures averaged above 90° F in June and July (see below). Yields ranged from 135.0 to 204.7 bu/a (Table 6). Thirty hybrids fell within the highest-yielding group in 2011 and only one hybrid, Dyna-Gro V5683VT3, did well both years, 2010 and 2011. 0verall yields were extremely good considering the above normal temperatures in mid and late summer. Test weights were excellent, with a trial average of 58.9 lb/bu.

Soil Type……Gigger silt loam
Tillage…..Conventional till and no spring cultivation
Row Spacing……40 inches
Seeding Rate……..…32,000 seed/a
Previous Crop……....Cotton
Planting Date……....March 18
Fertilization…….
Preplant: 90 lb/a (0-0-60); 45 lb/a (18-46-0);
Sidedress: 200 lb N/a (30-0-0-2);
Pesticides……..
Pre-emerge: Atrazine @ 1.5 qt/a + Dual @ 1 pt/a;
Post-emerge: Atrazine @ 1 qt/a + Round-Up @ 1 qt/a;
Irrigation… Furrow-irrigated – May 16, May 25, June 8, June 16, June 22, June 30, and July 7.
Harvest Date…….....August 10

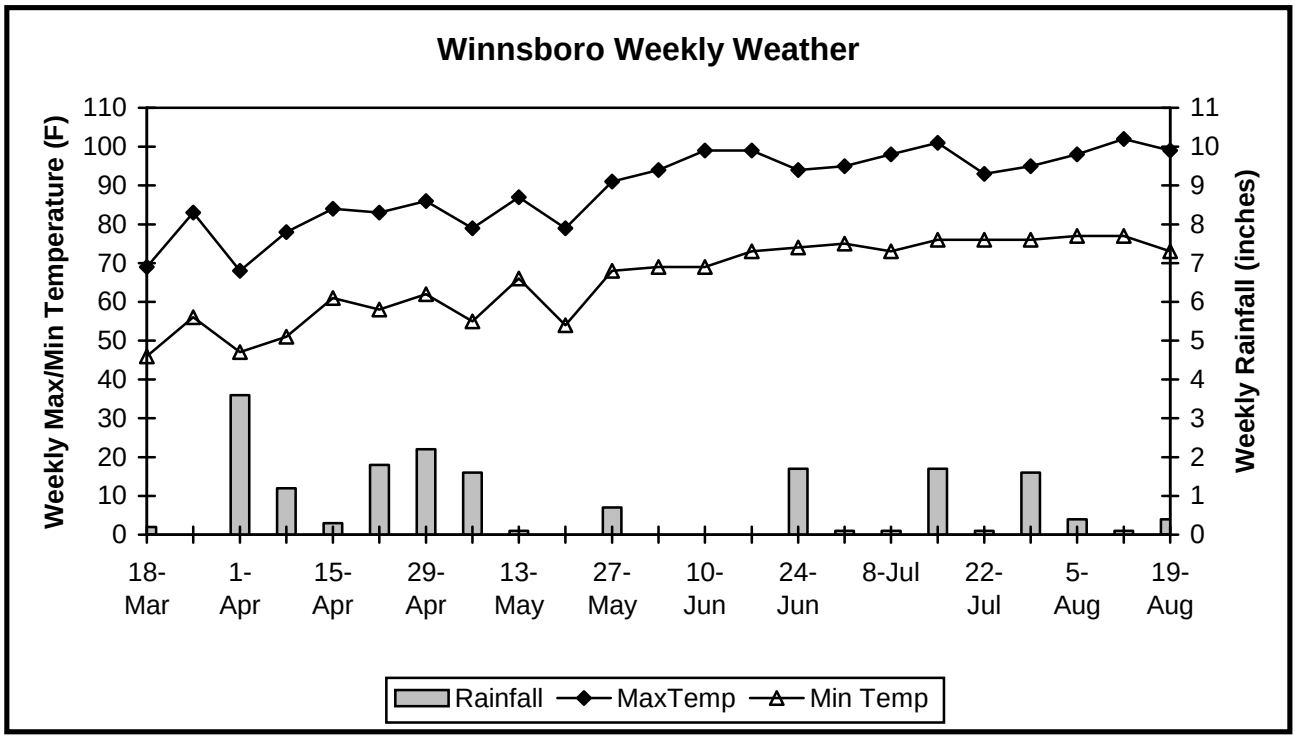

Table 6. Performance of corn hybrids at Winnsboro, 2011.

Brand/hybrid	2011 Yield[1]	2-yr avg[2]	Gr Mo	Test wt	Stand	Mid-silk	Plant ht	Ear ht
	bu/a	bu/a	%	lb/bu	plt/a	DAP	in	in
DEKALB DKC66-96	**204.7**	163.8	12.2	60.1	35,320	70	70	40
REV®26HR50™	**203.8**	169.0	13.6	59.9	34,010	74	79	35
Dyna-Gro V5683VT3*	**203.3**	174.1	13.5	57.6	31,720	73	83	41
Pioneer P1944HR	**203.0**	-	13.5	58.7	28,450	75	88	44
Dyna-Gro D58VP30	**199.4**	-	13.2	59.7	32,370	70	77	38
Golden Acres GA28V81	**198.6**	169.2	13.3	59.6	33,350	72	80	45
Armor 1655PRO	**197.0**	164.0	13.5	59.1	36,300	70	81	39
REV®28R10™	**195.9**	166.2	14.3	60.6	31,390	73	84	41
REV®27HR32™	**195.6**	-	12.5	60.4	32,700	74	72	36
DEKALB DKC69-29	**195.5**	-	13.0	59.7	32,700	70	70	35
DEKALB DKC68-05	**191.7**	152.7	13.5	58.8	30,080	71	67	38
M-Pride MP3152VT3	**188.8**	-	12.8	58.6	36,950	71	71	44
Pioneer P2023HR	**186.7**	163.5	14.3	59.9	36,300	73	84	37
AgriGold A6839VT3Pro	**186.6**	-	14.0	61.0	36,300	71	79	39
Dyna-Gro CX11114	**186.1**	-	13.1	61.3	36,620	70	68	30
REV®25HR39™	**185.9**	152.3	12.6	60.0	30,080	74	82	38
DEKALB DKC62-09	**185.7**	-	12.0	58.0	34,010	69	69	37
REV®25R19™	**185.6**	156.3	12.0	60.5	33,350	71	73	39
DEKALB DKC67-57	**184.5**	-	12.8	60.3	33,030	69	63	34
REV®25HR49™	**182.6**	153.2	14.4	59.7	30,410	73	81	40
M-Pride MP3150GT3	**181.7**	-	12.9	58.4	34,340	72	79	47
REV®28HR20™	**179.9**	159.6	13.1	60.7	29,760	75	84	38
Pioneer P1615HR	**179.6**	155.9	11.6	60.5	30,740	74	72	39
Dyna-Gro D56VP24	**179.3**	-	12.4	57.3	30,740	73	70	31
Pioneer 31P42 (HX1,LL,RR2)	**179.3**	156.6	13.9	60.1	29,100	75	79	38
DEKALB DKC67-21	**178.5**	155.7	13.5	59.2	32,050	71	71	36
REV®27HR52™	**177.4**	-	14.0	57.7	29,100	74	71	33
Golden Acres GA27V01	**177.3**	156.9	13.6	56.7	34,010	73	76	36
Pioneer P2088HR	**176.2**	-	13.4	57.9	32,370	75	74	36
Delta Grow 2888GTBTLL	**175.6**	-	12.9	59.0	30,410	71	76	35
Dyna-Gro D57GT60	175.0	144.5	12.4	59.3	33,030	71	71	40
AgriGold A6553VT3	174.4	-	14.0	56.9	34,990	72	64	26
Pioneer P1389HR	174.2	154.4	11.7	60.6	34,660	71	75	37
Dyna-Gro D55VC21	174.0	-	13.5	59.5	34,660	69	70	30
DEKALB DKC64-83	173.4	141.6	13.2	59.9	30,740	72	73	37
REV®28HR30™	173.4	156.8	13.4	58.5	28,780	73	78	50
REV®28HR29™	173.3	149.6	14.5	59.1	32,370	53	88	39
Armor 1415PRO	172.9	-	13.1	57.3	29,760	71	60	29
Delta Grow 8188	172.5	-	13.1	58.0	32,370	70	71	34
Pioneer P1184HR	172.2	143.2	11.7	60.0	32,370	72	79	46
DEKALB DKC61-88	171.9	-	12.1	58.7	32,050	69	67	37
Pioneer P1745HR	170.2	149.3	12.0	57.7	31,390	74	73	44
Dyna-Gro V5373VT3	170.0	145.5	13.1	58.5	30,080	72	67	31
NK N78S-3111 Brand	169.8	-	15.4	55.9	33,350	73	75	37
Pioneer 33F87 (HX1,LL,RR2)	169.7	147.3	12.9	58.4	31,720	71	57	26

Unity US7516-3000GT	167.4	-	13.5	59.4	28,780	70	64	38
Delta Grow 2988	166.9	-	13.8	59.0	30,410	70	66	38
Delta Grow 3788GTBT11	166.5	135.2	12.3	59.0	33,030	72	76	37
AgriGold A6632VT3Pro	166.4	140.9	12.7	58.2	34,660	69	51	25
REV®26HR22™	165.4	-	12.0	58.3	29,760	74	69	35
Unity US7416-3000GT	165.2	-	12.3	58.4	34,010	70	66	38
DEKALB DKC61-06	165.1	-	12.3	60.5	30,080	71	68	33
DEKALB DKC64-69	165.1	155.4	12.4	58.0	33,680	71	68	39
Dyna-Gro D55Q80	164.8	133.3	12.6	58.4	34,010	72	74	37
REV®26HR82™	164.7	-	13.9	58.8	26,810	74	75	37
DEKALB DKC65-19	164.1	-	11.7	59.8	32,700	71	62	26
NK N77P-3111 Brand	163.6	-	14.1	57.2	29,760	73	66	37
Delta Grow 8488	163.5	-	13.0	60.7	34,990	70	64	40
NK N78N-3111 Brand	162.7	-	13.1	58.5	37,610	70	74	38
Dyna-Gro D51VP40	161.7	-	13.3	57.6	36,300	69	65	32
M-Pride MP3151GTCB	161.0	-	12.7	59.4	32,700	70	74	37
AgriGold A6679VT3Pro	159.9	-	13.3	60.6	31,720	71	72	41
M-Pride MP3193VT3Pro	158.8	-	12.6	58.3	31,070	73	72	37
Dyna-Gro 57V59	156.1	133.1	12.2	56.8	28,450	69	59	36
Armor 1262DPRO	155.0	-	13.0	59.8	30,740	73	74	31
DEKALB DKC61-35	154.8	-	12.0	59.0	29,760	70	69	38
Unity US7514-3000GT	153.8	130.1	12.7	58.5	30,080	70	74	45
DEKALB DKC67-88	150.0	153.7	12.8	58.6	31,070	70	75	46
Armor 1539PRO	149.8	153.5	12.5	59.4	31,070	70	68	40
Armor 1161PRO(V)	143.0	131.8	12.5	57.3	32,700	69	65	33
Dyna-Gro D56VP69	142.5	-	11.8	57.9	29,100	71	66	32
DEKALB DKC63-07	135.0	-	11.9	57.7	28,120	69	63	31
Average	**174.2**		**13.0**	**58.9**	**32,130**	**71**	**72**	**37**
CV, %	**14**		**4**	**1**	**10**	**5**	**8**	**15**
LSD (0.10)	**29.2**		**0.5**	**1.0**	**NS[3]**	**NS**	**10**	**9**

[1]Yields in bold denote hybrids that are in the highest-yielding group in 2010.
[2]Hybrids in bold with an asterisk (*) were in the highest-yielding group in both 2010 and 2011.
[3]NS – Non-significant at the 0.10 probability level

Table 7. Summary of yield performance of corn hybrids at five locations in the 2011 LAES hybrid performance trials.

Brand/Hybrid	Alex	BC	St. Joseph		WN	**Avg**
			Com sl	Shar c		
	----------bu/a----------					
AgriGold A6553VT3	138.2	165.8	160.1	119.4	174.4	151.6
AgriGold A6632VT3Pro	137.6	149.5	162.3	121.1	166.4	147.4
AgriGold A6679VT3Pro	133.7	129.2	161.0	122.0	159.9	141.2
AgriGold A6839VT3Pro	136.1	125.8	161.9	119.7	186.6	146.0
Armor 1161PRO(V)	119.5	138.7	160.6	108.9	143.0	134.1
Armor 1262DPRO	144.0	132.2	170.0	126.0	155.0	145.4
Armor 1415PRO	124.1	149.4	164.8	112.0	172.9	144.6
Armor 1539PRO	130.6	138.4	169.7	114.1	149.8	140.5
Armor 1655PRO	137.5	147.9	165.6	127.2	197.0	155.0
DEKALB DKC61-06	128.5	149.9	155.5	129.1	165.1	145.6
DEKALB DKC61-35	142.7	153.5	164.8	125.5	154.8	148.3
DEKALB DKC61-88	136.5	148.7	177.6	131.5	171.9	153.2
DEKALB DKC62-09	140.6	149.5	168.9	119.0	185.7	152.7
DEKALB DKC63-07	123.1	139.6	157.7	126.0	135.0	136.3
DEKALB DKC64-69	144.6	150.6	164.5	134.1	165.1	151.8
DEKALB DKC64-83	135.5	142.3	168.3	111.1	173.4	146.1
DEKALB DKC65-19	144.5	141.7	152.8	112.5	164.1	143.1
DEKALB DKC66-96	142.0	143.1	163.7	134.8	204.7	157.7
DEKALB DKC67-21	135.8	147.2	177.0	134.4	178.5	154.6
DEKALB DKC67-57	134.7	145.9	173.7	138.6	184.5	155.5
DEKALB DKC67-88	144.6	152.4	179.4	127.5	150.0	150.8
DEKALB DKC68-05	140.4	158.2	160.7	123.2	191.7	154.8
DEKALB DKC69-29	147.0	157.1	171.3	128.1	195.5	159.8
Delta Grow 2888GTBTLL	110.5	138.5	156.1	127.4	175.6	141.6
Delta Grow 2988	135.0	136.0	163.5	123.1	166.9	144.9
Delta Grow 3788GTBT11	121.5	151.3	154.8	116.0	166.5	142.0
Delta Grow 8188	-	145.8	160.5	118.4	172.5	149.3
Delta Grow 8488	-	133.0	152.8	107.0	163.5	139.1
Dyna-Gro 57V59	125.6	143.9	155.4	104.9	156.1	137.2
Dyna-Gro CX11114	130.0	147.8	163.5	133.8	186.1	152.2
Dyna-Gro D51VP40	130.8	134.9	163.3	110.6	161.7	140.3
Dyna-Gro D55Q80	119.8	137.1	164.5	118.5	164.8	140.9
Dyna-Gro D55VC21	139.2	147.4	164.4	111.6	174.0	147.3
Dyna-Gro D56VP24	130.0	155.6	165.0	120.4	179.3	150.1
Dyna-Gro D56VP69	127.6	139.3	178.4	139.2	142.5	145.4
Dyna-Gro D57GT60	119.1	139.2	151.9	115.0	175.0	140.0
Dyna-Gro D58VP30	127.9	148.2	159.1	126.3	199.4	152.2
Dyna-Gro V5373VT3	118.4	147.4	162.4	121.9	170.0	144.0
Dyna-Gro V5683VT3	139.8	149.8	170.1	121.9	203.3	157.0
Golden Acres GA27V01	146.5	149.9	175.0	112.0	177.3	152.1
Golden Acres GA28V81	120.9	147.2	157.0	118.2	198.6	148.4
M-Pride MP3150GT3	118.4	133.8	154.8	109.2	181.7	139.6
M-Pride MP3151GTCB	119.6	123.3	160.4	111.3	161.0	135.1
M-Pride MP3152VT3	132.7	144.2	166.1	129.5	188.8	152.3

M-Pride MP3193VT3Pro	131.0	142.2	171.5	118.8	158.8	144.5
NK N77P-3111 Brand	126.8	142.0	162.8	122.2	163.6	143.5
NK N78N-3111 Brand	146.1	137.6	184.3	134.3	162.7	153.0
NK N78S-3111 Brand	129.2	146.9	178.1	129.9	169.8	150.8
Pioneer 31P42 (HX1,LL,RR2)	135.0	138.0	173.3	109.7	179.3	147.1
Pioneer 33F87 (HX1,LL,RR2)	151.8	137.4	160.6	113.7	169.7	146.6
Pioneer P1184HR	133.3	138.1	161.3	121.6	172.2	145.3
Pioneer P1389HR	138.3	138.1	156.1	119.6	174.2	145.3
Pioneer P1615HR	144.8	148.1	168.7	120.7	179.6	152.4
Pioneer P1745HR	146.1	141.8	180.9	125.6	170.2	152.9
Pioneer P1944HR	122.6	128.4	184.1	105.6	203.0	148.7
Pioneer P2023HR	134.5	142.6	173.4	100.2	186.7	147.5
Pioneer P2088HR	147.4	136.7	183.1	122.9	176.2	153.3
REV®25HR39™	136.8	120.1	168.3	122.0	185.9	146.6
REV®25HR49™	135.0	140.8	165.9	120.7	182.6	149.0
REV®25R19™	135.7	132.2	155.9	115.9	185.6	145.1
REV®26HR22™	133.2	137.6	168.6	105.7	165.4	142.1
REV®26HR50™	145.9	141.8	175.8	124.3	203.8	158.3
REV®26HR82™	130.0	138.3	168.4	115.6	164.7	143.4
REV®27HR32™	129.9	143.6	180.6	125.2	195.6	155.0
REV®27HR52™	139.4	150.2	178.2	116.3	177.4	152.3
REV®28HR20™	147.6	141.9	182.3	135.3	179.9	157.4
REV®28HR29™	148.6	120.2	181.7	99.4	173.3	144.6
REV®28HR30™	147.2	113.8	178.0	118.2	173.4	146.1
REV®28R10™	147.8	138.9	200.2	117.5	195.9	160.1
Unity US7416-3000GT	122.6	122.5	159.1	116.7	165.2	137.2
Unity US7514-3000GT	125.4	130.0	155.3	109.1	153.8	134.7
Unity US7516-3000GT	130.0	125.6	167.3	123.6	167.4	142.8
Average	**134.3**	**141.2**	**167.1**	**120.2**	**174.2**	

Table 8. Seed traits and maturity for corn hybrids entered in the 2011 LAES corn hybrid performance trials.

Brand/Hybrid	Trans-genes[1] Insect resistance/herbicide tolerance	Seed treatment	Days to maturity
AgriGold A6553VT3	VT3	Poncho 500/Votivo	113
AgriGold A6632VT3P	VT3P	Poncho 500/Votivo	115
AgriGold A6679VT3Pro	VT3Pro	Poncho 500/Votivo	116
AgriGold A6839VT3P	VT3P	Poncho 500/Votivo	119
Armor 1161PRO(V)	VT3PRO	Poncho 500/Vovito	111
Armor 1262DPRO	VT2PRO	Acceleron	112
Armor 1415PRO	VT3PRO	Acceleron	114
Armor 1539PRO	VT3PRO	Acceleron	115
Armor 1655PRO	VT3PRO	Acceleron	116
DEKALB DKC61-06	GenSS	Poncho 500/Votivo	111
DEKALB DKC61-35	GenVT3P	Poncho 500/Votivo	111
DEKALB DKC61-88	GenVT3P	Poncho 500/Votivo	111
DEKALB DKC62-09	GenVT3P	Poncho 500/Votivo	112
DEKALB DKC63-07	GenVT3P	Poncho 500/Votivo	113
DEKALB DKC64-69	GenVT3P	Poncho 500/Votivo	114
DEKALB DKC64-83	GenVT3P	Poncho 500/Votivo	114
DEKALB DKC65-19	GenVT3P	Poncho 500/Votivo	115
DEKALB DKC66-96	GenVT3P	Poncho 500/Votivo	116
DEKALB DKC67-21	GenVT3P	Poncho 500/Votivo	117
DEKALB DKC67-57	GenVT3P	Poncho 500/Votivo	117
DEKALB DKC67-88	GenVT3P	Poncho 500/Votivo	117
DEKALB DKC68-05	GenVT3	Poncho 500/Votivo	118
DEKALB DKC69-29	GenVT3P	Poncho 500/Votivo	119
Delta Grow 2888GTBTLL	GT/BT/LL	Poncho 1250	116
Delta Grow 2988	GT/BT/LL	Poncho 1250	116
Delta Grow 3788GTBT11	GT/BT/LL	Poncho 1250	115
Delta Grow 8188	GT/BT/LL	Poncho 1250	113
Delta Grow 8488	GT/BT/LL	Poncho 1250	119
Dyna-Gro 57V59	VT3	Acceleron	114
Dyna-Gro CX11114	VT3	Acceleron	118
Dyna-Gro D51VP40	GenVT3P	Acceleron	111
Dyna-Gro D55Q80	3000GT	Acceleron	115
Dyna-Gro D55VC21	GenVT2P	Acceleron	115
Dyna-Gro D56VP24	GenVT3P	Acceleron	116
Dyna-Gro D56VP69	GenVT3P	Acceleron	116
Dyna-Gro D57GT60	GT	Acceleron	117
Dyna-Gro D58VP30	GenVT3P	Acceleron	118
Dyna-Gro V5373VT3	VT3	Acceleron	113
Dyna-Gro V5683VT3	VT3	Acceleron	116
Golden Acres GA27V01	VT3Pro	Acceleron 250	117
Golden Acres GA28V81	VT3Pro	Acceleron 250	118
M-Pride MP3150GT3	GT/CB/LL/RW	Acceleron	115
M-Pride MP3151GTCB	GT/CB/LL	Poncho 250	115
M-Pride MP3152VT3	VT3	Poncho 250	115

M-Pride MP3193VT3Pro	VT3Pro	Poncho 250	115
NK N77P-3111 Brand	Agrisure Viptera	Cruiser 500	114
NK N78N-3111 Brand	Agrisure Viptera	Cruiser 500	118
NK N78S-3111 Brand	Agrisure Viptera	Cruiser 500	116
Pioneer 31P42 (HX1,LL,RR2)	HX1/LL/RR2	Cruiser Extreme 250	119
Pioneer 33F87 (HX1,LL,RR2)	HX1/LL/RR2	Cruiser Extreme 250	114
Pioneer P1184HR	HX1/LL/RR2	Cruiser Extreme 250	111
Pioneer P1389HR	HX1/LL/RR2	Cruiser Extreme 250	112
Pioneer P1615HR	HX1/LL/RR2	Cruiser Extreme 250	116
Pioneer P1745HR	HX1/LL/RR2	Cruiser Extreme 250	117
Pioneer P1944HR	HX1/LL/RR2	Cruiser Extreme 250	119
Pioneer P2023HR	HX1/LL/RR2	Cruiser Extreme 250	120
Pioneer P2088HR	HX1/LL/RR2	Cruiser Extreme 250	120
REV®25HR39™	HX1/LL/RR2	Cruiser 250	115
REV®25HR49™	HX1/LL/RR2	Cruiser 250	115
REV®25R19™	RR2	Cruiser 250	115
REV®26HR22™	HX1/LL/RR2	Cruiser 250	116
REV®26HR50™	HX1/LL/RR2	Cruiser 250	116
REV®26HR82™	HX1/LL/RR2	Cruiser 250	116
REV®27HR32™	HX1/LL/RR2	Cruiser 250	117
REV®27HR52™	HX1/LL/RR2	Cruiser 250	117
REV®28HR20™	HX1/LL/RR2	Cruiser 250	118
REV®28HR29™	HX1/LL/RR2	Cruiser 250	118
REV®28HR30™	HX1/ LL/RR2	Cruiser 250	118
REV®28R10™	RR2	Cruiser 250	118
Unity US7416-3000GT	3000GT	Cruiser 250	116
Unity US7514-3000GT	3000GT	Cruiser 250	114
Unity US7516-3000GT	3000GT	Cruiser 250	116

[1]CB – corn stalk borer; CEW – corn earworm; CRW – corn rootworm; FA – fall armyworm; GT – glyphosate tolerant; LL – glufosinate tolerant; SCB – sugarcane borer;
Agrisure Viptera – GT, LL, CB, SCB, FA, CEW, CRW
3000GT – GT, LL, CB, CEW, CRW
GenSS – RR2, LL, CB, FA, CEW, CRW
GenVT2P – RR2, CB, FA, CEW
GenVT3P – RR2, CB, FA, CEW, CRW
HX1 – LL, CB, FA, CRW
VT3 – RR2, CB, CRW
VT3P – RR2, CB, CEW, CRW

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 hybrids tested in the LAES 2011corn hybrid performance trials.

Company	Brand/Hybrid
AgriGold Hybrids 5381 Akin Rd. St. Francisville, IL 62460	AgriGold A6533VT3, AgriGold A6632VT3Pro, AgriGold A6679VT3Pro, AgriGold A6839VT3Pro
Armor Seed P.O. Box 178 Fisher, AR 72429	Armor 1161PRO(V), Armor 1262DPRO, Armor 1415PRO, Armor 1539PRO, Armor 1655PRO
Crop Production Services - Dyna-Gro Seed 11 Gin Rd. Rayville, LA 71269	Dyna-Gro 57V59, Dyna-Gro CX11114, Dyna-Gro D51VP40, Dyna-Gro D55Q80, Dyna-Gro D55VC21, Dyna-Gro D56VP24, Dyna-Gro D56VP69, Dyna-Gro D57GT60, Dyna-Gro D58VP30, Dyna-Gro V5373VT3, Dyna-Gro V5683VT3
Delta Grow Seed 220 NW 2nd P.O. Box 219 England, AR 72046	Delta Grow 2888GTBTLL, Delta Grow 2988, Delta Grow 3788GTBT11, Delta Grow 8188, Delta Grow 8488
Golden Acres Genetics P.O. Box 579 Buchanan Dam, TX 78609	Golden Acres GA27V01, Golden Acres GA28V81
M-Pride Genetics, Inc. P.O. Box 560 28700 S. State Rt. T Garden City, MO 64747	M-Pride MP 3150GT3, M-Pride MP3151GTCB M-Pride MP3152VT3 M-Pride MP3193VT3Pro
Monsanto Company 800 N. Lindberg Blvd. St. Louis, MO 63167	DEKALB DKC61-06, DEKALB DKC61-35, DEKALB DKC61-88, DEKALB DKC62-09, DEKALB DKC63-07, DEKALB DKC64-69, DEKALB DKC64-83, DEKALB DKC65-19, DEKALB DKC66-96, DEKALB DKC67-21, DEKALB DKC67-57, DEKALB DKC67-88, DEKALB DKC68-05, DEKALB DKC69-29

Pioneer Hi-Bred International, Inc. 700 Boulevard South – Suite 302 Huntsville, AL 35802	Pioneer 31P42 (HX1, LL, RR2), Pioneer 33F87 (HX1, LL, RR2), Pioneer P1184HR, Pioneer P1389HR, Pioneer P1615HR, Pioneer P1745HR, Pioneer P1944HR, Pioneer P2023HR, Pioneer P2088HR
Syngenta Seeds 11055 Wayzata Blvd. Minnetonka,, MN 55305-1526	NK N77P-3111 Brand, NK N78N-3111 Brand, NK N78S-3111 Brand
Terral Seed, Inc. 604 Blount St. Lake Providence, LA 71254	REV®25HR39™, REV®25HR49™, REV®25R19™, REV®26HR22™, REV®26HR50™, REV®26HR82™, REV®27HR32™, REV®27HR52™, REV®28HR20™, REV®28HR29™, REV®28HR30™, REV®28R10™
Unity Seeds 3451 Wyndham Way, Suite A West Lafayette, IN 47906	Unity US7416-3000GT, Unity US7514-3000GT Unity US7516-3000GT