

*Performance of Corn  
Hybrids in Louisiana 2012*



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# Performance of Grain Corn Hybrids in Louisiana 2012

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## Performance of Corn Hybrids in Louisiana, 2012

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Josh Lofton, 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 2012 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 2012, 68 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 on Commerce silt loam, Commerce sandy loam, and Sharkey clay Mississippi River alluvial soils. The Bossier City and Winnsboro trials were irrigated.

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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<b>Table 1. Traits and rating scales for LAES corn performance trials.</b>		
<b>Trait</b>	<b>Abbreviation</b>	<b>Description</b>
Yield	Yield	Grain yield @ 15.5% harvest grain moisture, bu/a (2012)
2-year yield average	2- yr avg	Average grain yield for 2011 and 2012, 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	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, 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
Lodging	Lo	Estimate of lodged plants, %
Earworm damage	ED	Earworm damage ratings 0-3; 0-no damage, 1-channels < 1 in, 2-channels < 3 in, 3- channels > 3 in
Barren tip	BT	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 2012 and two-year averages (2011 and 2012) and other agronomic data for each location are presented in Tables 2-6. The Bossier City location is not reported due to excessive variability within experimental area. 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 2012 (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, 2011 and 2012. A location summary, soil type, cultural practices, and weather information are listed prior to data tables for each location. Yield summary across Louisiana for 2012 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 ten seed companies that participated in the 2012 corn hybrid performance trials.

For additional information on corn trials, please contact Dr. Rick Mascagni, Northeast Research Station, P.O. Box 438, St. Joseph, LA 71366 (Ph: 318-766-3769; Fax: 318-766-4278; e-mail: [hmascagni@agcenter.lsu.edu](mailto:hmascagni@agcenter.lsu.edu));

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

### Location Summary

Environmental conditions ranged from relatively low rainfall in May and June and relatively mild temperatures through the season (see below). Yields ranged from 123.9 to 183.9 bu/a, with a trial average of 15.1 bu/a (Table 2). Twelve hybrids fell within the highest-yielding group in 2012 and three hybrids were in the highest-yielding group both in 2011 and 2012. Other agronomic data are presented in Table 2.

Soil type	Coushatta silt loam
Tillage	In the fall, applied 0-18-36 @ 175 lb/a, subsoiled, and rehipped
Irrigation	None
Row Spacing	38 inch
Seeding rate	32,000 seed/a
Previous crop	Soybeans
Planting date	March 27
Fertilization	<i>At Planting:</i> Zn chelate @ 2.6 lb Zn/acre (bc); <i>Sidedress:</i> 30-0-0-2 @ 200 lb N/a;
Pesticides	<i>Preemerge:</i> Bicep II Mag @ 1.6 qt/acre; Silencer @ 4 oz/a; <i>Postemerge:</i> Capreno @ 3 oz/a + 1% COC (v/v);
Harvest date	August 21

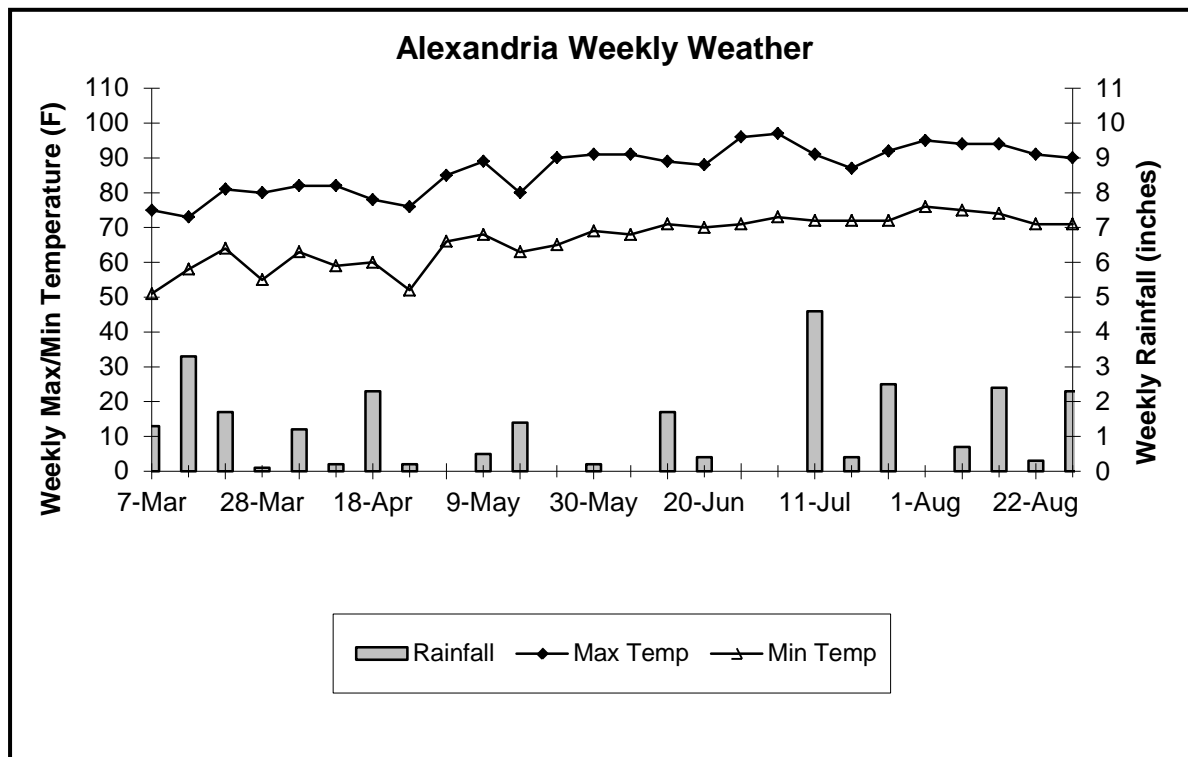


Table 2. Performance of corn hybrids at Alexandria, 2012.

Brand/hybrid	2012 Yield <sup>1</sup> bu/a	2-yr avg <sup>2</sup> bu/a	Gr mo %	Test wt lb/bu	Stand plt/a	Mid- silk DAP	Plt ht in	Ear ht in	HC 1-3
Dyna Gro D57VP51	<b>183.9</b>	-	16.2	59.1	30,080	62	89	45	1
Dekalb DKC66-86	<b>183.3</b>	-	15.1	58.9	28,780	63	95	42	1
<b>Dekalb DKC62-09*</b>	<b>180.5</b>	160.6	14.7	57.4	32,700	63	86	49	1
BH Genetics BH 8928VTTP	<b>173.1</b>	-	15.0	60.1	26,810	63	99	49	1
Pioneer P1303HR	<b>171.8</b>	-	16.9	62.1	27,800	63	98	48	1
BH Genetics BH 8977RR/HX	<b>171.6</b>	-	16.1	59.2	29,430	64	97	51	1
<b>REV®28HR30™ *</b>	<b>168.9</b>	158.1	17.1	58.1	27,800	65	97	58	3
<b>Dekalb DKC64-69*</b>	<b>167.5</b>	156.1	16.0	59.7	25,830	62	88	47	2
Dekalb DKC68-03	<b>166.0</b>	-	16.3	60.5	28,780	62	91	46	1
Armor 1880PRO3	<b>165.8</b>	-	15.2	60.0	26,810	62	94	53	1
Pioneer P1739HR	<b>165.3</b>	-	16.0	59.0	30,740	65	101	51	1
Dekalb DKC67-57	<b>164.9</b>	149.8	14.6	58.3	32,370	63	81	42	1
Dyna-Gro D54VP81	160.1	145.1	14.8	59.7	29,760	63	89	35	1
Golden Acres GA26V21	159.6	-	15.4	59.7	28780	63	92	44	2
Delta Grow DG6388GTCBLLRW	159.6	-	13.7	54.4	25,510	62	94	47	2
Delta Grow DG3588GTCBLLRW	159.5	-	12.4	51.4	24,530	62	98	46	1
Dekalb DKC67-88	159.5	152.1	17.6	60.7	30,410	62	97	53	1
Dyna-Gro D55VP77	159.4	-	15.9	60.2	28,120	62	85	36	1
Armor 1550PRO3	159.1	-	15.7	60.6	26,160	62	85	38	1
Delta Grow DG3788GTCBLL	158.1	139.8	16.1	59.1	27,800	63	95	50	1
Delta Grow DG2888GTCBLL	157.6	134.1	15.2	59.4	27,800	63	93	47	1
Croplan Genetics CG8410VT3P	157.1	-	16.5	60.0	23,870	63	85	41	2
REV®28HR20™	156.9	-	16.8	55.8	30,740	66	90	55	2
NK Brand N72F-3000GT	156.4	-	13.3	56.9	33,350	63	97	49	1
Armor 1770PRO3	156.1	-	14.9	59.6	28,120	63	88	39	1
Delta Grow DG2688GTCBLLRW	155.9	-	16.1	58.6	27,470	62	92	42	1
Delta Grow DG2788CBLL	155.8	-	14.6	53.2	25,180	63	95	44	2
Pioneer P1690HR	155.5	-	15.5	60.5	23,220	63	98	45	2
REV®23RE73™	155.5	-	16.5	62.4	29,760	63	96	51	2
BH Genetics BH 8895VTTP	154.8	-	15.2	54.6	28,120	63	92	43	2
Armor 1655PRO2	154.4	-	15.8	61.3	24,530	62	90	47	1
Golden Acres GA28V81	154.3	137.6	14.7	60.3	24,530	63	98	49	1
REV®28R10™	153.6	-	17.3	64.0	25,510	66	95	46	1
Pioneer P2088YHR	153.5	-	15.1	58.4	27,140	63	102	50	1
Dyna-Gro D56VP10	153.0	-	16.5	60.2	30,410	62	84	37	1
Pioneer P1636YHR	152.1	-	15.6	57.9	26,160	62	100	43	2
BH Genetics BH 8630VTTP	152.1	-	15.8	51.9	26,490	63	88	39	1
REV®27HR83™	151.9	-	14.8	60.6	26,160	63	95	46	1
Dyna-Gro D51VP40	150.6	140.7	13.8	57.9	25,180	63	93	40	2
Dekalb DKC65-67	150.6	-	14.4	55.9	27,800	62	86	45	1
Dekalb DKC69-29	150.2	148.6	16.4	58.5	27,140	63	86	40	1
Croplan Genetics CG6725VT3P	149.4	-	13.9	58.3	26,810	63	88	44	1
Armor 1133PRO3	149.2	-	14.1	57.7	24,200	63	86	37	2

Brand/hybrid	2012 Yield <sup>1</sup> bu/a	2-yr avg <sup>2</sup> bu/a	Gr mo %	Test wt lb/bu	Stand plt/a	Mid- silk DAP	Plt ht in	Ear ht in	HC 1-3
REV®22BHR43™	147.6	-	16.4	61.5	24,200	63	94	47	2
REV®29HR13™	147.5	-	17.7	61.0	23,870	63	98	54	1
Delta Grow DG6488GTCBLLRW	147.4	-	14.9	55.9	29,100	63	92	44	1
NK Brand N78S-3111	146.9	138.1	14.2	55.5	26,160	63	96	49	1
Dekalb DKC61-88	146.8	141.7	11.6	55.9	27,470	63	91	43	1
Dyna-Gro D56VP69	146.0	136.8	17.0	56.3	29,430	63	96	51	1
Delta Grow DG4725Vip	145.8	-	14.4	56.1	28,450	63	95	43	2
Dekalb DKC66-97	145.5	-	16.5	61.4	23,540	63	84	42	1
Croplan Genetics CG6960VT3P	145.0	-	15.9	62.1	30,410	63	89	39	1
Armor 1415PRO3	144.8	-	14.5	57.1	25,833	62	94	43	2
Dyna-Gro D56VP79	144.4	-	16.8	65.0	26,810	62	88	34	1
REV®21HR33™	144.0	-	15.2	59.3	27,800	62	92	40	2
Dekalb DKC63-87	143.9	-	14.1	58.4	26,490	63	92	48	2
BH Genetics BH 8740VTTP	143.4	-	16.1	54.6	24,850	62	89	45	1
REV®26HR50™	143.1	144.5	17.4	60.7	24,530	63	95	44	2
Armor 1262PRO2	141.7	-	15.2	56.7	25,830	62	92	38	2
Croplan Genetics CG6425VT3P	141.2	-	12.8	55.6	28,780	62	92	50	2
REV®27HR52™	140.0	139.7	15.5	58.6	25,180	62	92	38	3
REV®28HR29™	139.5	-	17.1	61.2	26,490	66	100	51	1
Dekalb DKC64-83	138.1	136.8	15.9	59.6	31,390	62	89	39	3
Armor 1330PRO3	134.6	-	14.9	59.7	26,810	62	89	42	3
Dekalb DKC62-97	123.9	-	12.4	54.4	23,540	63	89	37	2
<b>Average</b>	<b>155.1</b>	-	<b>15.4</b>	<b>58.8</b>	<b>27,340</b>	<b>63</b>	<b>92</b>	<b>44</b>	<b>1</b>
<b>CV,%</b>	<b>12</b>	-	<b>9</b>	<b>6</b>	<b>17</b>	<b>1</b>	<b>4</b>	<b>10</b>	<b>42</b>
<b>LSD (0.10)</b>	<b>21.6</b>	-	<b>1.7</b>	<b>5.4</b>	<b>NS<sup>3</sup></b>	<b>1</b>	<b>6</b>	<b>8</b>	<b>1</b>

<sup>1</sup>Yields in bold denote hybrids that are in the highest-yielding group in 2012.

<sup>2</sup>Hybrids in bold with an asterisk (\*) were in the highest-yielding group in both 2011 and 2012.

<sup>3</sup>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

Rainfall was relatively low in April, May, and June (see below). Highest temperatures occurred in the mid-90 range. Yields ranged from 152.9 to 214.4 bu/a, with a trial average of 185.2 bu/a (Table 3). There were eight hybrids falling within the highest-yielding group in 2012, with yields greater than 200 bu/a for each hybrid. There were no hybrids that fell in the highest-yielding group for both years. Other agronomic data are presented in Table 3.

Soil type	Commerce silt loam
Tillage	Conventional, one spring cultivation
Irrigation	None
Row spacing	40 inch
Seeding rate	32,000 seed/a
Previous crop	Cotton
Planting date	March 19
Fertilization	Sidedress: 30-0-0-2 @ 200 lb N/a;
Pesticides	<i>Burndown</i> : Roundup @ 32 oz/a + 2,4-D (LVE) @ 16 oz/acre; <i>Preemergence</i> : Atrazine @ 48 oz/a + Dual @ 16 oz/a + Roundup @ 24 oz/a + Cypermethryn @ 1 oz/a; <i>Postemergence</i> : Steadfast Q @ 1.5 oz/a + Atrazine @ 32 oz/a + 1% COC (v/v);
Harvest date	August 6

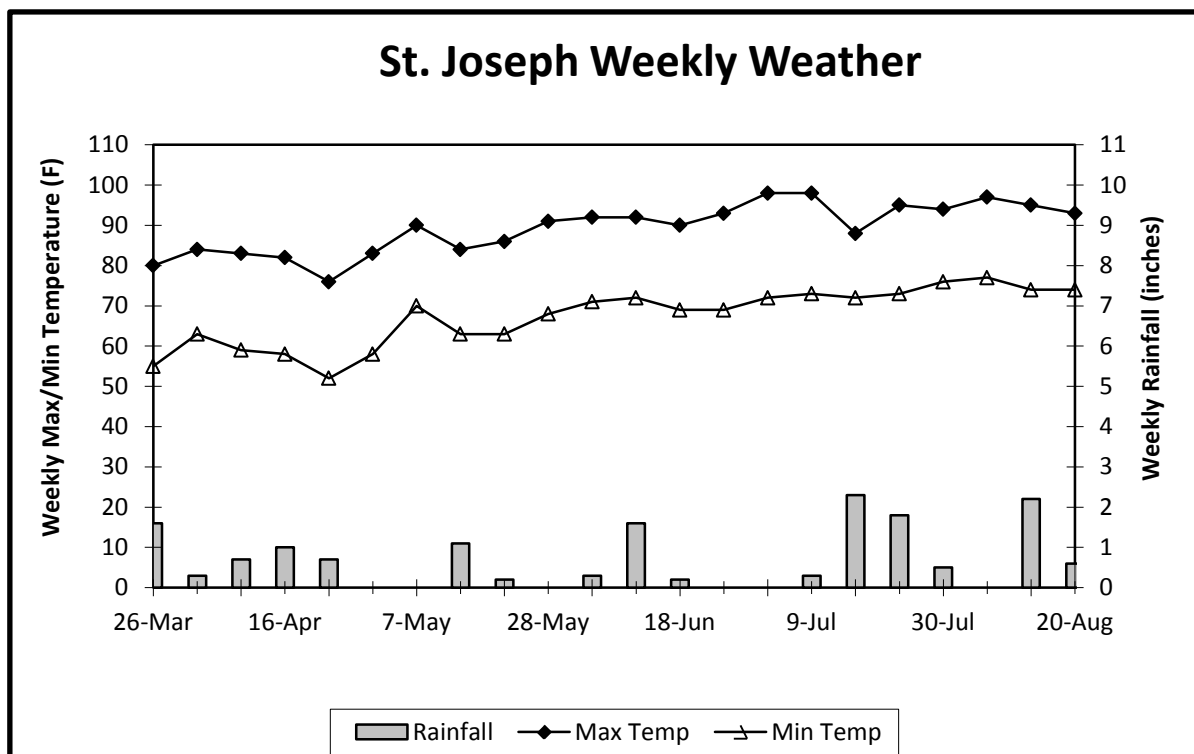




Table 3. Performance of corn hybrids on Commerce silt loam at St. Joseph, 2012.

Brand/hybrid	2012 Yield <sup>1</sup> bu/a	2-yr avg <sup>2</sup> bu/a	Gr mo %	Test wt lb/bu	Stand plt/a	Mid- silk DAP	Plt ht in	Ear ht in	HC 1-3	Lo %
Pioneer P1690HR	<b>214.4</b>	-	16.2	58.9	24,850	64	100	43	3	5
REV®28HR20™	<b>208.5</b>	-	17.1	58.1	24,070	67	102	52	2	0
REV®27HR83™	<b>206.8</b>	-	16.6	59.3	25,900	64	104	47	3	5
Pioneer P1303HR	<b>205.6</b>	-	15.7	60.8	26,160	62	90	47	2	5
BH Genetics BH 8928VTTP	<b>205.0</b>	-	17.3	56.3	28,250	64	96	52	1	0
BH Genetics BH 8977RR/HX	<b>203.6</b>	-	17.7	55.8	23,220	64	100	51	1	5
Pioneer P1739HR	<b>203.5</b>	-	17.4	57.5	26,680	67	98	47	2	10
Pioneer P1636YHR	<b>202.4</b>	-	15.1	59.3	27,210	62	105	50	2	0
Dekalb DKC67-88	200.9	190.2	17.7	57.3	26,950	63	95	48	2	10
REV®28HR30™	200.3	189.2	18.4	57.5	24,070	63	89	48	2	0
REV®29HR13™	198.0	-	17.3	58.3	22,760	65	93	50	2	5
REV®26HR50™	197.6	186.7	17.3	58.9	22,240	65	91	37	2	10
REV®27HR52™	196.9	187.6	16.7	56.1	25,380	62	96	39	2	0
Dekalb DKC62-09	196.6	182.8	15.3	57.9	24,070	59	86	43	2	0
Dekalb DKC66-86	196.1	-	16.6	56.0	22,240	63	97	47	3	0
Dekalb DKC69-29	195.6	183.5	17.0	56.8	24,070	59	92	42	1	0
REV®28HR29™	194.6	-	18.4	58.9	26,160	67	101	53	2	0
Dekalb DKC67-57	194.3	184.0	16.8	58.3	27,210	61	90	44	2	0
Dekalb DKC64-69	193.6	179.1	15.9	57.8	23,280	61	84	42	3	0
REV®28R10™	193.4	-	16.9	58.9	22,240	65	91	49	2	0
Pioneer P2088YHR	193.1	-	16.3	55.9	24,590	62	100	44	2	10
Dyna-Gro D55VP77	191.6	-	16.3	57.4	23,810	60	86	42	2	0
REV®22BHR43™	191.5	-	15.8	58.9	27,210	61	98	45	2	0
Dekalb DKC68-03	191.3	-	16.7	58.1	25,110	60	85	41	1	5
Dekalb DKC66-97	191.1	-	16.0	58.3	26,950	62	92	43	2	0
Dekalb DKC63-87	190.4	-	16.1	56.3	25,640	60	94	46	3	0
Armor 1655PRO2	188.4	-	17.3	56.9	26,420	63	96	54	1	0
Armor 1880PRO3	188.3	-	16.1	58.1	23,810	65	94	46	2	10
NK Brand N72F-3000GT	188.2	-	16.0	57.1	25,380	61	100	50	2	0
BH Genetics BH 8895VTTP	188.1	-	16.0	56.7	24,330	63	93	44	3	45
Golden Acres GA28V81	187.0	172.0	17.8	57.9	23,540	63	71	73	1	0
Armor 1330PRO3	185.5	-	14.9	57.8	25,640	59	96	42	3	0
Dyna-Gro D56VP79	185.3	-	16.2	58.7	27,470	60	94	40	2	0
Dekalb DKC61-88	185.2	181.4	15.6	55.8	25,110	59	93	45	2	0
Delta Grow DG2688GTCBLLRW	184.2	-	17.5	55.9	25,380	59	90	34	1	5
REV®21HR33™	183.2	-	15.8	58.1	27,800	62	96	40	3	0
NK Brand N78S-3111	182.8	180.5	17.8	56.4	26,160	62	93	46	2	20
Delta Grow DG6388GTCBLLRW	182.6	-	16.1	55.1	26,420	60	94	44	2	5
Dyna-Gro D56VP69	181.1	179.8	17.0	58.2	23,540	64	87	45	3	10
Armor 1550PRO3	180.3	-	16.5	58.5	25,110	59	85	36	2	0
Dyna-Gro D56VP10	180.2	-	16.6	58.7	27,470	59	88	42	2	0
Dyna-Gro D54VP81	179.8	171.7	16.6	58.2	21,710	59	92	39	2	0
Croplan Genetics CG6960VT3P	178.3	-	16.6	58.8	24,590	59	88	38	3	0

Brand/hybrid	2012 Yield <sup>1</sup> bu/a	2-yr avg <sup>2</sup> bu/a	Gr mo %	Test wt lb/bu	Stand plt/a	Mid- silk DAP	Plt ht in	Ear ht in	HC 1-3	Lo %
Delta Grow DG3588GTCBLLRW	178.1	-	16.5	55.1	27,210	62	92	45	2	10
Armor 1133PRO3	178.0	-	15.0	57.3	25,900	59	84	33	3	0
Croplan Genetics CG6725VT3P	177.5	-	16.2	58.4	22,760	60	87	44	2	0
Delta Grow DG6488GTCBLLRW	176.9	-	17.1	56.4	23,220	61	94	45	1	5
Delta Grow DG2788CBLL	175.7	-	16.9	57.6	21,970	62	99	41	1	5
Dekalb DKC64-83	175.7	172.0	16.2	58.7	27,470	60	83	37	3	0
Delta Grow DG4725Vip	175.5	-	18.2	55.4	27,470	62	92	39	1	5
Dyna-Gro D51VP40	175.3	169.3	16.0	55.6	26,680	61	88	37	2	0
REV®23RE73™	175.1	-	15.3	59.8	20,410	61	96	45	3	0
Armor 1770PRO3	172.5	-	17.2	56.8	23,810	61	89	40	2	0
BH Genetics BH 8740VTTP	172.5	-	16.9	57.8	23,980	64	94	51	2	0
Armor 1415PRO3	172.3	-	17.1	56.4	22,240	58	87	36	2	0
Dekalb DKC62-97	172.3	-	15.5	56.9	24,330	59	81	39	2	0
Golden Acres GA26V21	170.8	-	16.3	57.8	26,680	63	88	38	2	10
Croplan Genetics CG8410VT3P	170.2	-	16.4	59.2	24,330	61	90	43	1	0
Dyna Gro D57VP51	169.2	-	16.9	57.9	22,500	61	87	48	3	0
Croplan Genetics CG6425VT3P	169.0	-	15.1	56.6	22,500	59	85	43	3	0
Dekalb DKC65-67	168.0	-	15.9	55.6	28,250	60	90	39	3	0
BH Genetics BH 8630VTTP	163.1	-	16.4	57.6	23,810	60	93	39	1	10
Armor 1262PRO2	162.0	-	15.9	56.2	23,810	60	100	40	3	0
Delta Grow DG3788GTCBLL	156.7	155.8	17.6	57.9	21,710	63	92	45	1	0
Delta Grow DG2888GTCBLL	152.9	154.5	16.9	58.0	23,280	61	100	49	2	10
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<b>Average</b>	<b>185.2</b>	-	<b>16.6</b>	<b>57.5</b>	<b>24,890</b>	<b>62</b>	<b>92</b>	<b>44</b>	<b>2</b>	<b>5</b>
<b>CV,%</b>	<b>7</b>	-	<b>3</b>	<b>2</b>	<b>14</b>	<b>2</b>	<b>8</b>	<b>15</b>	<b>27</b>	<b>24</b>
<b>LSD (0.10)</b>	<b>13.3</b>	-	<b>0.5</b>	<b>1.4</b>	<b>3,650</b>	<b>2</b>	<b>12</b>	<b>11</b>	<b>1</b>	<b>10</b>

<sup>1</sup>Yields in bold denote hybrids that are in the highest-yielding group in 2012.

<sup>2</sup>There were no hybrids in the highest-yielding group in both 2011 and 2012.

## Corn Hybrid Performance Trial on Commerce Sandy Loam at the Northeast Research Station – St. Joseph

### Location Summary

Rainfall was relatively low in April, May, and June (see below). Highest temperatures were in the mid-90 range. This trial was planted late (April 12). However, yields were excellent ranging from 153.3 to 207.4 bu/a, with a trial average of 181.0 bu/a (Table 4). There were six hybrids in the highest-yielding group in 2012. Earworm damage (ED) and barren tip (BT) ratings were taken in this trial. There was very little earworm damage in 2012, making it virtually impossible evaluating hybrid differences for insect tolerance. Other agronomic data are presented in Table 4.

Soil type	Commerce sandy loam
Tillage	Conventional , no spring cultivation
Irrigation	None
Row spacing	40 inch
Seeding rate	32,000 seed/a
Previous crop	Corn
Planting date	April 12
Fertilization	Sidedress: 30-0-0-2 @ 200 lb N/a;
Pesticides	<i>Preemergence:</i> Atrazine @ 48 oz/a + Dual @ 16 oz/a + Roundup @ 32 oz/a + Asana @ 2 oz/a; <i>Postemergence:</i> Steadfast Q @ 1.5 oz/a + Atrazine @ 32 oz/a + 1% COC (v/v);
Harvest date	August 20-21

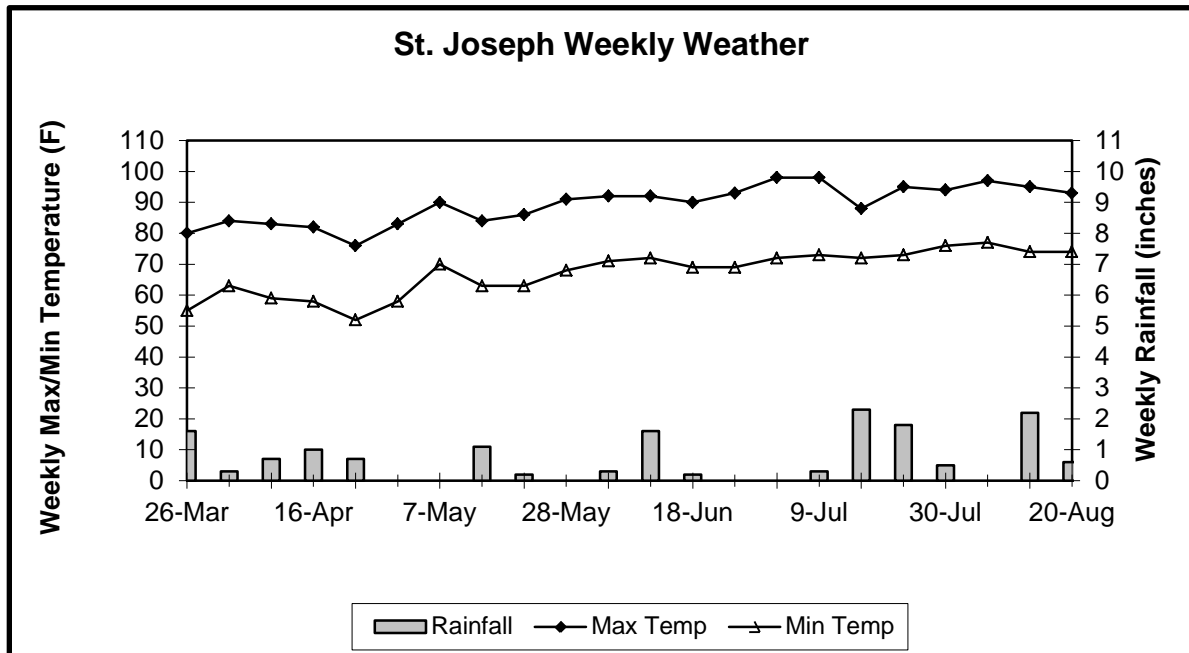


Table 4. Performance of corn hybrids on Commerce sandy loam at St. Joseph, 2012.

Brand/hybrid	2012 Yield <sup>1</sup> bu/a	Gr mo %	Test wt lb/bu	Stand plt/a	Mid- silk DAP	Plt ht in	Ear ht in	HC 1-3	ED 0-3	BT 0-3
Pioneer P1636YHR	<b>207.4</b>	16.2	57.3	31,390	58	95	52	2	1	1
REV®28HR29™	<b>205.2</b>	18.2	57.0	30,080	58	99	54	3	0	1
Pioneer P1690HR	<b>200.1</b>	16.2	57.0	30,410	58	95	44	3	1	1
REV®28R10™	<b>198.9</b>	17.5	55.3	29,100	61	92	48	2	0	1
REV®23RE73™	<b>198.5</b>	17.4	58.1	29,760	59	95	45	3	0	1
Pioneer P1303HR	<b>198.1</b>	16.1	59.2	31,070	58	94	47	3	0	1
REV®24BHR93™	195.3	17.3	55.6	27,470	60	88	41	2	0	1
REV®28HR20™	194.4	17.1	56.1	34,010	61	93	52	3	0	1
Dekalb DKC69-29	194.0	17.1	56.4	31,390	57	81	38	2	0	0
Croplan Genetics CG8410VT3P	192.9	16.3	58.0	31,720	57	83	37	1	0	1
REV®29HR13™	192.8	17.2	56.6	30,410	59	99	51	3	1	1
REV®25BHR63™	192.4	18.0	56.3	32,700	58	91	49	3	0	1
REV®27HR83™	191.9	17.0	56.5	29,430	58	97	54	3	0	1
REV®26HR23™	191.7	16.5	57.7	32,700	58	94	48	3	1	1
Dekalb DKC66-97	191.7	16.5	57.9	31,720	57	88	41	2	0	0
Armor 1770PRO3	191.1	17.5	54.8	29,100	58	79	39	2	0	1
Dekalb DKC62-09	191.0	15.3	55.3	28,450	56	85	43	2	0	1
REV®26HR50™	190.5	17.1	56.1	29,760	59	99	52	3	0	1
Pioneer P2088YHR	189.4	16.6	54.7	27,470	57	95	49	2	1	1
Dyna-Gro D55VP77	189.2	17.2	56.6	29,100	57	75	35	2	0	1
Golden Acres GA28V81	187.5	16.8	55.3	30,740	57	91	48	1	0	1
NK Brand N72F-3000GT	187.2	16.6	54.4	34,990	56	94	51	3	0	1
BH Genetics BH 8928VTTP	186.0	17.2	54.7	32,370	58	88	42	2	0	1
Armor 1133PRO3	185.8	15.4	54.6	29,100	57	84	41	3	0	1
NK Brand N78S-3111	185.6	18.0	53.1	29,430	59	86	46	2	0	1
Dekalb DKC67-88	185.5	17.8	55.7	34,340	57	92	50	2	0	1
BH Genetics BH 8630VTTP	185.4	17.0	57.3	32,050	57	87	40	2	0	1
Pioneer P1739HR	185.3	17.3	54.9	31,390	59	92	47	3	1	1
Dekalb DKC68-03	185.3	16.2	56.8	31,390	56	87	43	2	0	1
Delta Grow DG2688GTCBLLRW	185.2	18.9	55.2	27,470	57	87	37	3	0	1
Dekalb DKC67-57	184.4	17.3	57.3	29,430	56	85	43	2	0	1
BH Genetics BH 8895VTTP	184.0	16.7	52.8	31,720	59	90	48	3	0	1
REV®22BHR43™	182.8	17.1	56.5	28,120	57	94	49	3	0	1
Delta Grow DG6388GTCBLLRW	182.3	16.1	51.5	28,780	55.5	88	52	2	0	1
Dekalb DKC64-83	181.8	16.8	56.1	30,080	57	86	45	3	0	1
BH Genetics BH 8740VTTP	179.7	16.8	56.6	28,450	56	88	42	2	0	0
Dekalb DKC64-69	179.0	15.7	56.0	28,780	57	86	46	3	0	1
Dekalb DKC66-86	178.1	16.6	54.6	31,720	58	84	42	2	0	1
Dyna Gro D57VP51	177.5	16.1	56.3	28,450	57	86	35	3	0	1
BH Genetics BH 8977RR/HX	177.3	18.1	54.4	30,740	58	88	49	2	0	1
Dyna-Gro D56VP79	177.1	16.0	57.8	32,370	56	87	46	1	0	1
Dekalb DKC63-87	177.0	16.7	54.2	31,720	57	87	44	3	0	1
Dyna-Gro D51VP40	176.7	16.6	53.7	30,740	58	85	42	2	0	1

Brand/hybrid	2012 Yield <sup>1</sup> bu/a	Gr mo %	Test wt lb/bu	Stand plt/a	Mid- silk DAP	Plt ht in	Ear ht in	HC 1-3	ED 0-3	BT 0-3
Armor 1415PRO3	176.1	18.3	53.5	29,760	57	89	42	3	0	1
Dyna-Gro D56VP10	175.7	17.0	57.3	28,450	56	85	44	3	0	1
Armor 1880PRO3	175.6	16.6	55.2	32,050	58	86	42	2	0	1
Armor 1262PRO2	175.1	17.3	54.5	30,740	57	91	44	3	0	1
Croplan Genetics CG6425VT3P	173.9	16.0	54.8	31,070	57	87	45	3	0	1
Dyna-Gro D56VP69	173.6	16.4	55.8	30,740	57	86	52	3	0	1
REV®27HR52™	172.9	17.1	53.2	30,740	57	84	38	2	1	1
REV®21HR33™	172.8	16.2	55.5	32,700	58	85	41	2	0	2
Dekalb DKC62-97	172.7	16.4	54.6	28,450	56	74	38	3	0	1
Armor 1330PRO3	172.5	15.5	54.9	28,780	57	82	41	3	0	1
Dekalb DKC61-88	171.6	16.2	52.0	30,410	57	85	45	3	0	1
Delta Grow DG6488GTCBLLRW	170.8	17.7	52.3	31,070	59	88	49	1	0	1
Dyna-Gro D54VP81	170.6	16.3	55.1	31,070	56	88	44	2	0	1
Armor 1655PRO2	170.5	16.7	56.0	31,390	57	89	48	1	0	1
Croplan Genetics CG6725VT3P	170.5	16.4	56.8	28,780	57	78	39	3	0	1
Delta Grow DG3588GTCBLLRW	168.9	16.4	52.0	29,760	57	89	49	2	0	1
Armor 1550PRO3	168.0	16.4	54.9	29,100	57	82	37	2	0	2
REV®28HR30™	167.8	18.4	53.4	29,430	60	98	54	2	0	1
Delta Grow DG4725Vip	167.3	18.2	52.5	28,450	57	89	45	2	0	1
Delta Grow DG2888GTCBLL	167.1	16.8	55.7	31,390	58	87	47	3	0	1
Croplan Genetics CG6960VT3P	166.3	16.7	55.9	34,010	57	86	40	3	0	2
Dekalb DKC65-67	161.2	16.7	54.9	33,350	56	78	36	3	0	1
Golden Acres GA26V21	153.5	17.2	53.4	27,470	59	83	45	2	0	1
Delta Grow DG3788GTCBLL	153.3	17.4	54.6	28,450	57	89	52	2	0	1
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<b>Average</b>	<b>181.0</b>	<b>16.8</b>	<b>55.2</b>	<b>30,350</b>	<b>57</b>	<b>88</b>	<b>44</b>	<b>2</b>	<b>0</b>	<b>1</b>
<b>CV, %</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>11</b>	<b>2</b>	<b>0</b>	<b>11</b>	<b>29</b>	<b>432</b>	<b>28</b>
<b>LSD (0.10)</b>	<b>12.0</b>	<b>0.8</b>	<b>1.0</b>	<b>NS<sup>2</sup></b>	<b>2</b>	<b>16</b>	<b>8</b>	<b>1</b>	<b>NS</b>	<b>1</b>

<sup>1</sup>Yields in bold denote hybrids that are in the highest-yielding group in 2012. Only one-year data for this soil type.

<sup>2</sup>NS=Non-significant at the 0.10 probability level

## Corn Hybrid Performance Trial on Sharkey Clay at the Northeast Research Station – St. Joseph

### Location Summary

Rainfall was relatively low in April, May, and June (see below). Highest temperatures were in the mid-90 range. Although this was a dryland trial, there was very little moisture stress shown during the season. There were eleven hybrids in the highest-yielding group in 2012. There was only one hybrid, Dekalb DKC64-69, that did well both years, 2011 and 2012. Other agronomic data are presented in Table 5.

Soil type	Sharkey clay
Tillage	Stale seedbed, one spring cultivation.
Irrigation	None
Row spacing	40 inch
Seeding rate	32,000 seed/a
Previous crop	Cotton
Planting date	March 7
Fertilization	Sidedress: 30-0-0-2 @ 230 lb N/a;
Pesticides	<i>Burndown:</i> Roundup @ 32 oz/a + 2,4-D (LVE) @ 16 oz/a; <i>Preemergence:</i> Atrazine @ 48 oz/a + Dual @ 24 oz/a + Roundup @ 24 oz/a + Cypermethryn @ 1 oz/a; <i>Postemergence:</i> Steadfast Q @ 1.5 oz/a + Atrazine @ 32 oz/a + 1% COC (v/v);
Harvest date	August 2

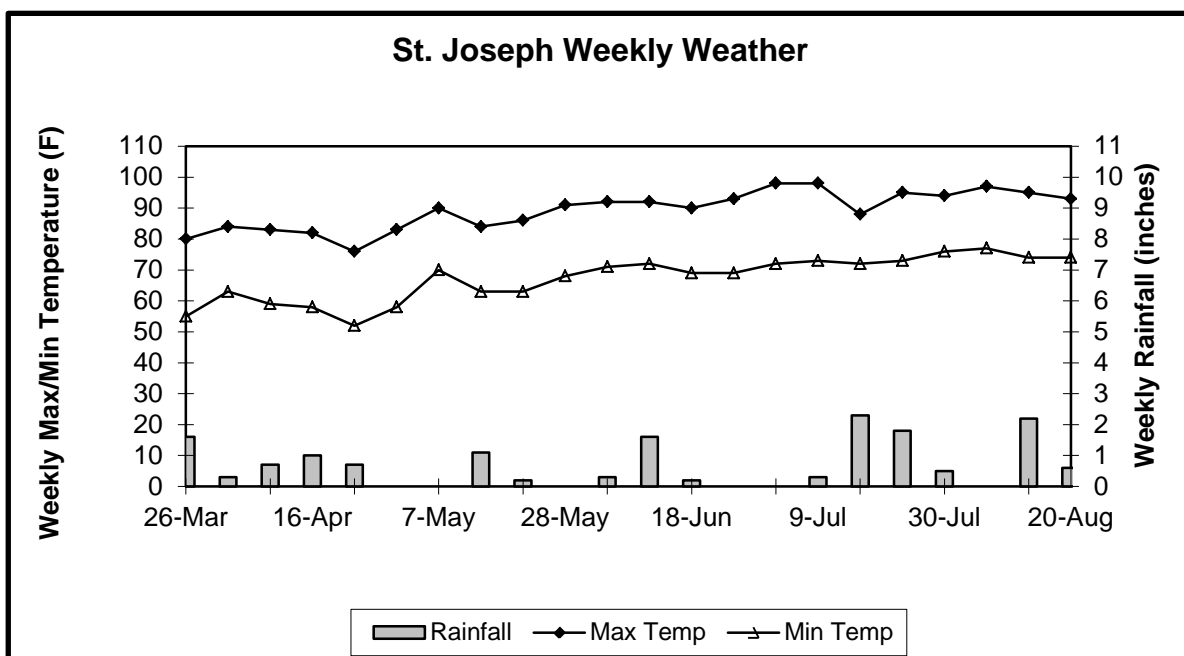


Table 5. Performance of corn hybrids on Sharkey clay at St. Joseph, 2012.

Brand/hybrid	2012 Yield <sup>1</sup> bu/a	2-yr avg <sup>2</sup> bu/a	Gr mo %	Test wt lb/bu	Stand plt/a	Mid- silk DAP	Plt ht in	Ear ht in	HC 1-3
Pioneer P1690HR	<b>187.0</b>	-	16.3	58.2	28,250	64	90	46	3
REV®28HR20™	<b>185.4</b>	-	17.4	58.9	26,680	65	95	52	2
REV®29HR13™	<b>183.0</b>	-	17.8	57.2	25,110	65	85	51	2
Pioneer P1303HR	<b>182.1</b>	-	16.2	60.5	26,950	63	98	50	2
REV®26HR50™	<b>180.2</b>	152.3	17.7	58.2	27,990	64	95	48	2
Pioneer P1636YHR	<b>179.8</b>	-	15.3	59.2	26,680	63	98	47	2
<b>Dekalb DKC64-69*</b>	<b>178.4</b>	156.3	16.8	57.1	29,040	60	95	45	3
REV®28HR30™	<b>175.7</b>	147.0	18.5	56.7	26,680	65	97	45	2
Golden Acres GA28V81	<b>175.3</b>	146.8	17.8	56.0	28,250	62	92	41	2
Pioneer P1739HR	<b>173.6</b>	-	17.3	57.6	29,820	65	105	51	2
REV®27HR83™	<b>172.9</b>	-	16.5	58.7	25,380	62	103	50	2
REV®28R10™	171.5	-	17.5	58.9	23,280	65	93	47	2
Dekalb DKC67-57	170.9	154.8	17.2	57.3	29,300	59	91	42	1
Dekalb DKC66-97	170.3	-	16.0	57.2	32,960	62	88	37	2
Pioneer P2088YHR	169.7	-	16.6	56.9	24,070	63	89	41	2
Armor 1880PRO3	169.3	-	16.6	57.4	27,470	64	90	42	2
BH Genetics BH 8977RR/HX	168.2	-	18.3	53.3	24,590	63	89	52	1
Croplan Genetics CG6725VT3P	166.9	-	16.9	57.8	26,420	61	87	42	2
Dyna Gro D57VP51	166.4	-	17.1	57.1	29,560	63	87	40	3
REV®28HR29™	165.7	-	18.9	56.8	24,330	65	105	52	1
Dyna-Gro D55VP77	165.7	-	16.3	57.8	26,950	60	79	36	2
Dekalb DKC68-03	165.3	-	16.2	57.1	29,300	60	87	40	2
Dekalb DKC69-29	165.2	146.7	17.2	58.2	29,820	59	91	41	1
BH Genetics BH 8895VTTP	165.1	-	15.7	54.9	28,510	64	93	46	2
Croplan Genetics CG8410VT3P	164.8	-	16.7	57.9	28,250	61	86	37	2
Dyna-Gro D54VP81	164.3	149.1	16.4	58.6	25,640	58	85	33	3
Armor 1133PRO3	164.0	-	15.3	55.2	26,160	58	86	37	3
BH Genetics BH 8928VTTP	163.7	-	17.7	55.7	29,300	64	97	52	1
Dekalb DKC63-87	163.5	-	16.1	56.3	23,020	61	87	45	3
Dekalb DKC66-86	163.1	-	16.7	56.0	25,900	64	95	43	3
Dekalb DKC67-88	163.0	145.3	19.3	56.1	30,080	66	102	55	2
Armor 1262PRO2	162.7	-	16.3	56.4	25,380	58	91	39	3
REV®22BHR43™	162.2	-	16.1	58.1	25,110	58	95	47	2
BH Genetics BH 8630VTTP	161.1	-	17.0	57.4	26,950	61	89	40	2
Dyna-Gro D56VP69	160.9	150.1	16.9	57.3	26,160	61	93	43	3
Croplan Genetics CG6960VT3P	160.9	-	16.4	57.8	28,780	59	85	34	2
Dekalb DKC62-09	160.1	139.6	15.3	56.4	27,990	59	83	40	2
REV®27HR52™	159.7	138.0	17.3	55.5	23,540	63	93	40	3
NK Brand N72F-3000GT	159.7	-	16.7	55.2	29,560	61	96	49	3
Dekalb DKC61-88	159.6	145.6	15.1	56.3	28,780	61	86	41	3
Delta Grow DG6488GTCBLLRW	159.4	-	17.9	54.5	25,900	63	97	47	1
Armor 1770PRO3	158.6	-	17.1	55.6	27,470	61	88	43	2
Armor 1655PRO2	158.3	-	17.4	56.4	25,900	61	94	49	1

Brand/hybrid	2012 Yield <sup>1</sup> bu/a	2-yr avg <sup>2</sup> bu/a	Gr mo %	Test wt lb/bu	Stand plt/a	Mid- silk DAP	Plt ht in	Ear ht in	HC 1-3
Delta Grow DG3588GTCBLLRW	158.2	-	15.9	53.3	28,510	60	84	43	2
NK Brand N78S-3111	157.6	143.8	18.2	54.8	26,950	62	92	40	2
Dyna-Gro D56VP10	157.3	-	17.2	58.4	25,380	59	85	39	2
Croplan Genetics CG6425VT3P	155.0	-	15.9	57.3	29,300	60	88	41	3
Armor 1330PRO3	154.5	-	15.4	56.9	26,950	58	91	44	3
Delta Grow DG4725Vip	154.0	-	18.1	53.2	27,990	61	94	42	2
Delta Grow DG2788CBLL	153.7	-	16.3	56.4	27,210	62	96	40	2
REV®21HR33™	153.6	-	15.6	56.8	31,650	61	95	40	3
REV®23RE73™	153.0	-	15.3	59.9	23,810	62	99	49	3
Armor 1550PRO3	152.9	-	16.8	58.8	24,330	60	89	37	2
Delta Grow DG2688GTCBLLRW	152.5	-	17.4	56.4	31,130	61	85	37	1
BH Genetics BH 8740VTP	151.8	-	16.8	57.7	27,470	61	95	46	1
Dekalb DKC62-97	149.2	-	16.2	55.5	28,510	58	89	38	2
Dyna-Gro D51VP40	147.1	128.9	15.8	55.8	31,130	61	84	36	3
Dekalb DKC65-67	145.8	-	16.0	56.3	29,820	60	82	40	2
Dyna-Gro D56VP79	145.3	-	16.0	57.6	26,950	58	88	42	2
Dekalb DKC64-83	141.7	126.4	15.5	58.5	29,300	60	87	40	2
Delta Grow DG6388GTCBLLRW	140.9	-	15.5	53.7	24,590	61	90	43	2
Armor 1415PRO3	140.8	-	17.7	55.1	22,500	58	92	44	2
Delta Grow DG2888GTCBLL	134.9	131.2	15.2	57.7	27,470	61	93	42	2
Golden Acres GA26V21	131.7	-	16.2	56.3	25,900	62	90	42	2
Delta Grow DG3788GTCBLL	124.3	120.2	16.7	57.4	28,250	62	85	39	1
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<b>Average</b>	<b>161.4</b>	<b>-</b>	<b>16.7</b>	<b>56.9</b>	<b>27,370</b>	<b>61</b>	<b>90</b>	<b>43</b>	<b>2</b>
<b>CV, %</b>	<b>9</b>	<b>-</b>	<b>4</b>	<b>1</b>	<b>13</b>	<b>2</b>	<b>7</b>	<b>13</b>	<b>29</b>
<b>LSD (0.10)</b>	<b>14.2</b>	<b>-</b>	<b>0.8</b>	<b>0.8</b>	<b>3,350</b>	<b>2</b>	<b>11</b>	<b>9</b>	<b>1</b>

<sup>1</sup>Yields in bold denote hybrids that are in the highest-yielding group in 2012.

<sup>2</sup>Hybrids in bold with an asterisk (\*) were in the highest-yielding group in both 2011 and 2012.



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

### Location Summary

Rainfall was relatively low in May and June (see below). Temperatures approached 100°F in early and late July. There were six furrow-irrigations in this trial. Yields ranged from 174.8 to 229.2 bu/a, averaging 204.5 bu/a (Table 6). There were sixteen hybrids in the highest-yielding group in 2012, averaging 219.6 bu/a. There were four hybrids that did well both years. Lodging occurred early in the season and did not affect yield. Earworm damage (ED) and barren tip (BT) ratings were taken in this trial. There was very little earworm damage in 2012, making it virtually impossible evaluating hybrid differences for insect tolerance.

Soil type	Gigger silt loam
Tillage	Conventional, no spring cultivation.
Irrigation	Six furrow-irrigations
Row spacing	40 inch
Seeding rate	32,000 seed/a
Previous crop	Cotton
Planting date	March 28
Fertilization	<i>Preplant</i> : 30 lb P <sub>2</sub> O <sub>5</sub> /a and 60 lb K <sub>2</sub> O/a; <i>Sidedress</i> : 30-0-0-2 @ 200 lb N/a;
Pesticides	<i>Burndown</i> : Roundup @ 32 oz/a + 2,4-D @ 16 oz/a + Valor @ 1.5 oz/a; <i>Preemerge</i> : Atrazine @ 48 oz/a + Dual @ 16 oz/a + Gramoxone @ 48 oz/a + Mustang Max @ 2 oz/a;
Harvest date	August 6-7

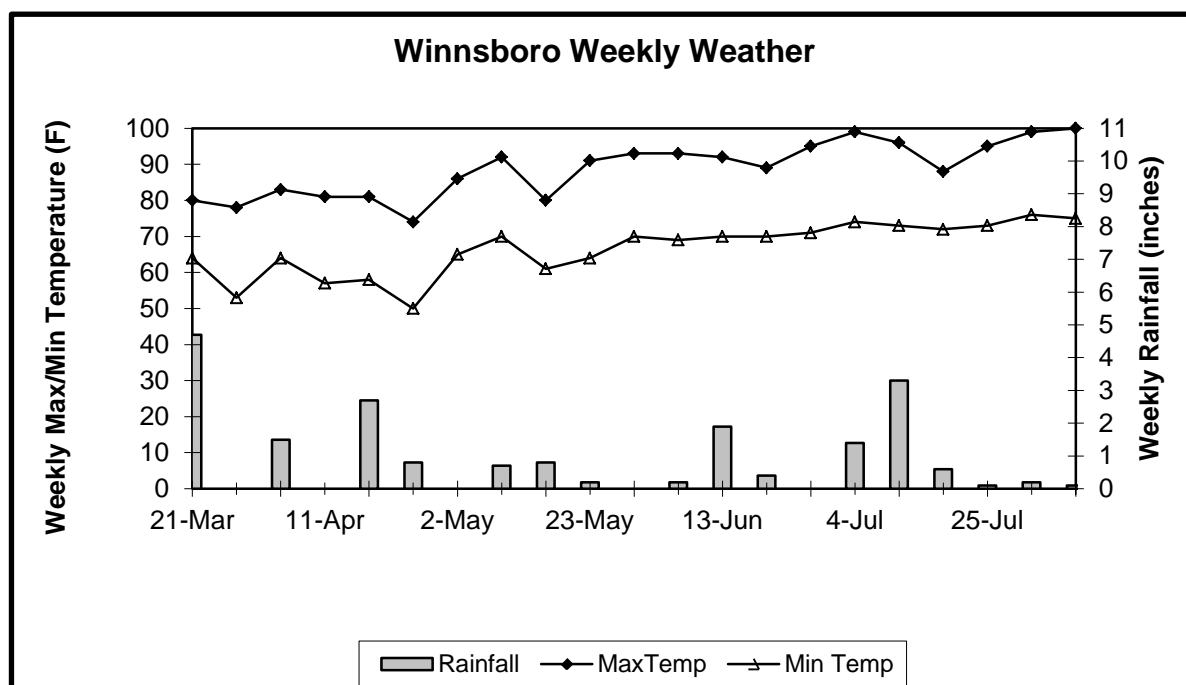


Table 6. Performance of corn hybrids at Winnsboro, 2012.

Brand/hybrid	2012 Yield <sup>1</sup> bu/a	2-yr avg <sup>2</sup> bu/a	Gr mo %	Test wt lb/bu	Stand plt/a	Mid- silk DAP	Plt ht In	Ear ht in	Lo %	ED 0-3	BT 0-3
Delta Grow DG2688GTCBLLRW	229.2	-	16.6	58.4	32,700	62	96	43	20	0	1
BH Genetics BH 8928VTTP	223.7	-	15.5	58.3	29,430	62	100	53	15	0	1
Pioneer P1303HR	223.6	-	14.0	61.9	30,080	63	96	51	20	0	1
Croplan Genetics CG8410VT3P	222.4	-	15.5	59.8	32,700	62	84	40	20	0	1
REV®28HR20™	222.1	-	16.2	59.8	30,740	68	103	53	15	0	1
Dyna Gro D57VP51	221.9	-	14.9	59.2	30,080	62	83	41	20	1	1
Dyna-Gro D55VP77	220.6	-	15.0	59.8	29,430	60	88	41	10	0	1
<b>REV®26HR50™ *</b>	<b>220.1</b>	212.0	16.2	59.1	30,740	64	99	49	25	0	1
<b>Dekalb DKC62-09*</b>	<b>217.8</b>	201.8	13.7	59.0	32,050	60	86	44	15	1	2
REV®27HR83™	217.6	-	14.8	59.7	30,080	64	105	56	20	1	1
REV®24BHR93™	217.3	-	15.3	59.0	30,080	64	98	50	20	0	1
<b>Golden Acres GA28V81*</b>	<b>217.3</b>	208.0	16.0	58.5	28,120	62	101	54	15	0	2
Armor 1133PRO3	216.4	-	14.1	59.0	28,780	59	89	40	15	1	1
Pioneer P1690HR	216.2	-	14.0	59.8	27,470	63	96	47	25	0	1
<b>Dekalb DKC67-57*</b>	<b>214.8</b>	199.7	14.8	59.9	30,740	61	86	41	10	0	1
Armor 1655PRO2	213.3	-	15.5	59.0	28,780	61	98	51	15	0	1
REV®29HR13™	212.6	-	15.4	58.3	27,470	64	105	53	20	0	1
REV®28R10™	212.4	-	15.8	60.1	26,810	65	101	51	15	1	1
Dekalb DKC67-88	212.3	181.2	16.3	59.4	28,120	63	102	58	25	0	1
REV®23RE73™	210.0	-	14.1	61.3	30,080	63	101	55	20	0	2
BH Genetics BH 8630VTTP	209.4	-	15.0	59.8	30,080	62	99	43	20	1	1
Dyna-Gro D56VP69	208.9	175.7	15.0	59.7	28,780	63	93	50	25	0	1
Dekalb DKC64-69	208.9	187.0	15.0	59.5	28,120	62	93	49	15	0	1
Pioneer P1636YHR	208.7	-	13.6	60.5	29,430	63	98	47	20	0	1
Dekalb DKC68-03	208.7	-	16.0	58.5	28,780	61	89	43	10	0	1
Delta Grow DG2888GTCBLL	208.0	191.8	14.4	59.4	29,430	61	97	51	30	0	1
Croplan Genetics CG6960VT3P	207.8	-	14.5	59.6	28,780	59	92	40	20	0	1
NK Brand N72F-3000GT	207.6	-	13.4	57.7	34,010	61	102	53	30	1	1
Dekalb DKC69-29	207.2	201.4	15.5	59.2	25,510	60	91	43	15	0	2
Pioneer P1739HR	207.1	-	14.7	58.8	27,470	65	99	54	20	0	2
Dekalb DKC66-97	206.5	-	14.2	59.7	34,660	63	90	39	20	0	2
Dyna-Gro D51VP40	206.1	183.9	14.6	57.8	30,080	60	91	41	25	0	1
REV®26HR23™	205.5	-	13.2	61.3	30,740	66	99	49	15	0	1
Dyna-Gro D54VP81	205.3	195.7	14.9	59.4	30,080	60	86	38	20	0	1
Dyna-Gro D56VP10	205.3	-	15.0	60.4	28,780	61	90	42	10	0	1
REV®27HR52™	204.8	191.1	15.0	57.0	27,470	63	97	43	20	0	1
Dekalb DKC63-87	204.0	-	14.2	58.4	30,080	63	91	47	20	0	1
Pioneer P2088YHR	203.6	-	14.9	58.3	30,080	63	98	48	25	0	1
Armor 1880PRO3	203.3	-	14.2	59.2	24,200	64	90	43	15	0	1
Armor 1330PRO3	202.7	-	13.3	59.9	26,810	61	95	45	20	0	1
REV®28HR30™	201.8	187.6	16.6	58.2	29,430	65	101	55	20	0	1
Delta Grow DG6488GTCBLLRW	201.5	-	16.1	56.6	30,740	63	97	56	25	0	1
BH Genetics BH 8977RR/HX	201.3	-	17.6	55.1	26,160	65	102	56	15	1	1

Brand/hybrid	2012 Yield <sup>1</sup> bu/a	2-yr avg <sup>2</sup> bu/a	Gr mo %	Test wt lb/bu	Stand plt/a	Mid- silk DAP	Plt ht In	Ear ht in	Lo %	ED 0-3	BT 0-3
Delta Grow DG2788CBLL	200.7	-	15.5	58.3	31,400	63	98	50	15	0	2
BH Genetics BH 8895VTTP	200.7	-	14.3	56.3	34,660	63	89	45	40	1	1
Delta Grow DG6388GTCBLLRW	200.6	-	14.3	56.3	32,050	60	93	46	20	0	1
Armor 1550PRO3	200.5	-	15.1	60.2	29,430	60	94	42	20	0	1
Delta Grow DG4725Vip	198.9	-	16.9	55.4	28,120	62	94	42	25	0	1
Croplan Genetics CG6425VT3P	198.9	-	13.7	58.9	27,470	60	100	51	20	0	1
Dyna-Gro D56VP79	198.0	-	14.5	60.6	29,430	61	91	43	10	0	1
Dekalb DKC66-86	196.7	-	14.6	58.3	30,080	63	92	42	15	0	2
Armor 1262PRO2	196.2	-	14.4	58.9	28,120	58	93	43	15	0	1
Armor 1415PRO3	195.6	-	14.9	58.3	25,510	59	90	43	25	1	1
REV®22BHR43™	195.0	-	13.6	60.4	29,430	62	97	46	25	1	1
Armor 1770PRO3	194.2	-	15.6	58.3	32,050	62	85	42	15	0	1
Croplan Genetics CG6725VT3P	194.0	-	13.8	60.1	30,080	60	92	46	25	0	1
Delta Grow DG3788GTCBLL	193.1	179.8	16.2	58.2	28,120	62	94	50	20	0	1
REV®25BHR63™	192.7	-	16.2	59.2	30,740	63	97	46	10	0	1
REV®28HR29™	191.4	-	15.7	58.9	30,740	68	100	51	20	0	1
NK Brand N78S-3111	190.7	180.3	15.5	56.2	31,400	63	93	44	30	1	1
Dekalb DKC61-88	190.1	181.0	12.9	58.9	30,080	61	86	43	20	1	2
Delta Grow DG3588GTCBLLRW	188.4	-	13.8	54.9	30,080	60	95	48	25	0	1
REV®21HR33™	187.7	-	13.8	60.0	28,120	62	97	44	20	0	1
Dekalb DKC65-67	187.2	-	14.4	58.5	33,350	60	86	39	10	0	1
Dekalb DKC62-97	185.0	-	14.6	58.0	26,160	59	88	44	10	0	1
Dekalb DKC64-83	183.3	178.4	14.5	60.0	28,120	61	87	42	25	1	2
Golden Acres GA26V21	183.1	-	14.1	58.5	33,350	63	86	42	30	0	1
BH Genetics BH 8740VTTP	174.8	-	14.7	60.3	26,810	61	94	51	15	0	1
<hr/>											
<b>Average</b>	<b>204.5</b>	-	<b>14.9</b>	<b>58.9</b>	<b>29,450</b>	<b>62</b>	<b>94</b>	<b>47</b>	<b>20</b>	<b>0</b>	<b>1</b>
<b>CV, %</b>	<b>7</b>	-	<b>5</b>	<b>1</b>	<b>9</b>	<b>1</b>	<b>4</b>	<b>6</b>	<b>27</b>	<b>29</b>	<b>28</b>
<b>LSD (0.10)</b>	<b>16.5</b>	-	<b>0.9</b>	<b>0.8</b>	<b>4,610</b>	<b>1</b>	<b>5</b>	<b>4</b>	<b>5</b>	<b>NS<sup>3</sup></b>	<b>NS</b>

<sup>1</sup>Yields in bold denote hybrids that are in the highest-yielding group in 2012.

<sup>2</sup>Hybrids in bold with an asterisk (\*) were in the highest-yielding group in both 2011 and 2012.

<sup>3</sup>NS = Non-significant at the 0.10 probability level

Table 7. Summary of yield performance of corn hybrids at five locations in the 2012 LAES hybrid performance trials.

Brand/Hybrid	Alex	St. Joseph <sup>1</sup>			Winns	Avg
		Com sil	Com sl	Shar cl		
		bu/a				
Pioneer P1303HR	171.8	205.6	198.1	182.1	223.6	196.2
Pioneer P1690HR	155.5	214.4	200.1	187.0	216.2	194.6
Pioneer P1636YHR	152.1	202.4	207.4	179.8	208.7	190.1
Pioneer P1739HR	165.3	203.5	185.3	173.6	207.1	187.0
Pioneer P2088YHR	153.5	193.1	189.4	169.7	203.6	181.9
Armor 1133PRO3	149.2	178.0	185.8	164.0	216.4	178.7
Armor 1262PRO2	141.7	162.0	175.1	162.7	196.2	167.5
Armor 1415PRO3	144.8	172.3	176.1	140.8	195.6	165.9
Armor 1330PRO3	134.6	185.5	172.5	154.5	202.7	170.0
Armor 1550PRO3	159.1	180.3	168.0	152.9	200.5	172.2
Armor 1655PRO2	154.4	188.4	170.5	158.3	213.3	177.0
Armor 1770PRO3	156.1	172.5	191.1	158.6	194.2	174.5
Armor 1880PRO3	165.8	188.3	175.6	169.3	203.3	180.5
REV®21HR33™	144.0	183.2	172.8	153.6	187.7	168.3
REV®22BHR43™	147.6	191.5	182.8	162.2	195.0	175.8
REV®26HR50™	143.1	197.6	190.5	180.2	220.1	186.3
REV®23RE73™	155.5	175.1	198.5	153.0	210.0	178.4
REV®28HR20™	156.9	208.5	194.4	185.4	222.1	193.5
REV®28HR29™	139.5	194.6	205.2	165.7	191.4	179.3
REV®28HR30™	168.9	200.3	167.8	175.7	201.8	182.9
REV®28R10™	153.6	193.4	198.9	171.5	212.4	186.0
REV®27HR52™	140.0	196.9	172.9	159.7	204.8	174.9
REV®25BHR63™	-	-	192.4	-	192.7	192.6
REV®26HR23™	-	-	191.7	-	205.5	198.6
REV®27HR83™	151.9	206.8	191.9	172.9	217.6	188.2
REV®29HR13™	147.5	198.0	192.8	183.0	212.6	186.8
REV®24BHR93™	-	-	195.3	-	217.3	206.3
Golden Acres GA26V21	159.6	170.8	153.5	131.7	183.1	159.7
Golden Acres GA28V81	154.3	187.0	187.5	175.3	217.3	184.3
Dyna-Gro D51VP40	150.6	175.3	176.7	147.1	206.1	171.2
Dyna-Gro D54VP81	160.1	179.8	170.6	164.3	205.3	176.0
Dyna-Gro D55VP77	159.4	191.6	189.2	165.7	220.6	185.3
Dyna-Gro D56VP10	153.0	180.2	175.7	157.3	205.3	174.3
Dyna-Gro D56VP69	146.0	181.1	173.6	160.9	208.9	174.1
Dyna-Gro D56VP79	144.4	185.3	177.1	145.3	198.0	170.0
Dyna Gro D57VP51	183.9	169.2	177.5	166.4	221.9	183.8
Delta Grow DG3788GTCBLL	158.1	156.7	153.3	124.3	193.1	157.1
Delta Grow DG2888GTCBLL	157.6	152.9	167.1	134.9	208.0	164.1
Delta Grow DG4725Vip	145.8	175.5	167.3	154.0	198.9	168.3
Delta Grow DG3588GTCBLLRW	159.5	178.1	168.9	158.2	188.4	170.6
Delta Grow DG2688GTCBLLRW	155.9	184.2	185.2	152.5	229.2	181.4
Delta Grow DG2788CBLL	155.8	175.7	-	153.7	200.7	171.5

Brand/Hybrid	Alex	St. Joseph <sup>1</sup>			Winns	Avg
		Com sil	Com sl	Shar cl		
				bu/a		
Delta Grow DG6388GTCBLLRW	159.6	182.6	182.3	140.9	200.6	173.2
Delta Grow DG6488GTCBLLRW	147.4	176.9	170.8	159.4	201.5	171.2
Croplan Genetics CG6425VT3P	141.2	169.0	173.9	155.0	198.9	167.6
Croplan Genetics CG6725VT3P	149.4	177.5	170.5	166.9	194.0	171.7
Croplan Genetics CG6960VT3P	145.0	178.3	166.3	160.9	207.8	171.7
Croplan Genetics CG8410VT3P	157.1	170.2	192.9	164.8	222.4	181.5
BH Genetics BH 8895VTTP	154.8	188.1	184.0	165.1	200.7	178.5
BH Genetics BH 8630VTTP	152.1	163.1	185.4	161.1	209.4	174.2
BH Genetics BH 8977RR/HX	171.6	203.6	177.3	168.2	201.3	184.9
BH Genetics BH 8928VTTP	173.1	205.0	186.0	163.7	223.7	190.3
BH Genetics BH 8740VTTP	143.4	172.5	179.7	151.8	174.8	164.4
NK Brand N72F-3000GT	156.4	188.2	187.2	159.7	207.6	179.8
NK Brand N78S-3111	146.9	182.8	185.6	157.6	190.7	172.7
Dekalb DKC61-88	146.8	185.2	171.6	159.6	190.1	170.7
Dekalb DKC62-09	180.5	196.6	191.0	160.1	217.8	189.2
Dekalb DKC64-69	167.5	193.6	179.0	178.4	208.9	185.5
Dekalb DKC66-97	145.5	191.1	191.7	170.3	206.5	181.0
Dekalb DKC67-57	164.9	194.3	184.4	170.9	214.8	185.9
Dekalb DKC67-88	159.5	200.9	185.5	163.0	212.3	184.2
Dekalb DKC69-29	150.2	195.6	194.0	165.2	207.2	182.4
Dekalb DKC66-86	183.3	196.1	178.1	163.1	196.7	183.5
Dekalb DKC62-97	123.9	172.3	172.7	149.2	185.0	160.6
Dekalb DKC68-03	166.0	191.3	185.3	165.3	208.7	183.3
Dekalb DKC65-67	150.6	168.0	161.2	145.8	187.2	162.6
Dekalb DKC64-83	138.1	175.7	181.8	141.7	183.3	164.1
Dekalb DKC63-87	143.9	190.4	177.0	163.5	204.0	175.8
<b>Average</b>	<b>155.1</b>	<b>185.2</b>	<b>181.0</b>	<b>161.4</b>	<b>204.5</b>	

<sup>1</sup>Com sil = Commerce silt loam; Com sl = Commerce sandy loam; Shar cl = Sharkey clay;

Table 8. Seed traits and maturity for corn hybrids entered in the 2012 LAES corn hybrid performance trials.

Brand/Hybrid	Trans-genes <sup>1</sup> Insect resistance/ herbicide tolerance	Seed treatment	Days to maturity
Pioneer P1303HR	HX1, LL, RR2	Poncho 1250	113
Pioneer P1690HR	HX1, LL, RR2	Poncho 1250	116
Pioneer P1636YHR	HX1, YGCB, LL, RR2	Poncho 1250	116
Pioneer P1739HR	HX1, LL, RR2	Poncho 1250	117
Pioneer P2088YHR	HX1, YGCB, LL, RR2	Poncho 1250	120
Armor 1133PRO3	VT3P	Acceleron	111
Armor 1262PRO2	VT2P	Acceleron	112
Armor 1415PRO3	VT3P	Acceleron	114
Armor 1330PRO3	VT3P	Acceleron	114
Armor 1550PRO3	VT3P	Acceleron	115
Armor 1655PRO2	VT2P	Acceleron	116
Armor 1770PRO3	VT3P	Acceleron	117
Armor 1880PRO3	VT3P	Acceleron	118
REV®21HR33™	HX1, LL, RR2	Cruiser Extreme 1250	111
REV®22BHR43™	YGCB, HX1, LL, RR2	Cruiser Extreme 1250	112
REV®26HR50™	HX1, LL, RR2	Cruiser Extreme 1250	116
REV®23RE73™	HX1, LL, RR2	Cruiser Extreme 1250	113
REV®28HR20™	HX1, LL, RR2	Cruiser Extreme 1250	118
REV®28HR29™	HX1, LL, RR2	Cruiser Extreme 1250	118
REV®28HR30™	HX1, LL, RR2	Cruiser Extreme 1250	118
REV®28R10™	RR2	Cruiser Extreme 1250	118
REV®27HR52™	HX1, LL, RR2	Cruiser Extreme 1250	117
REV®25BHR63™	YGCB, HX1, LL, RR2	Cruiser Extreme 1250	115
REV®26HR23™	HX1, LL, RR2	Cruiser Extreme 1250	116
REV®27HR83™	HX1, LL, RR2	Cruiser Extreme 1250	117
REV®29HR13™	HX1, LL, RR2	Cruiser Extreme 1250	119
REV®24BHR93™	YGCB, HX1, LL, RR2	Cruiser Extreme 1250	114
Golden Acres GA26V21	VT3Pro	Poncho 1250	115
Golden Acres GA28V81	VT3Pro	Poncho 1250	118
Dyna-Gro D51VP40	VT3P	Poncho 500/Votivo	111
Dyna-Gro D54VP81	VT3P	Poncho 500/Votivo	114
Dyna-Gro D55VP77	VT3P	Poncho 500/Votivo	115
Dyna-Gro D56VP10	VT3P	Poncho 500/Votivo	116
Dyna-Gro D56VP69	VT3P	Poncho 500/Votivo	116
Dyna-Gro D56VP79	VT3P	Poncho 500/Votivo	116
Dyna Gro D57VP51	VT3P	Poncho 500/Votivo	117
Delta Grow DG3788GTCBLL	GT, CB, LL	Cruiser Extreme 1250	114
Delta Grow DG2888GTCBLL	GT, CB, LL	Cruiser Extreme 1250	115
Delta Grow DG4725Vip	Vip	Cruiser Extreme 1250	110
Delta Grow DG3588GTCBLLRW	GT, CB, LL, RW	Cruiser Extreme 1250	111
Delta Grow DG2688GTCBLLRW	GT, CB, LL, RW	Cruiser Extreme 1250	112
Delta Grow DG2788CBLL	CB, LL	Cruiser Extreme 1250	116
Delta Grow DG6388GTCBLLRW	GT, CB, LL, RW	Cruiser Extreme 1250	114
Delta Grow DG6488GTCBLLRW	GT, CB, LL, RW	Cruiser Extreme 1250	116
Croplan Genetics CG6425VT3P	VT3P	Cruiser 250	112
Croplan Genetics CG6725VT3P	VT3P	Cruiser 250	113

Brand/Hybrid	Trans-genes <sup>1</sup> Insect resistance/ herbicide tolerance	Seed treatment	Days to maturity
Croplan Genetics CG6960VT3P	VT3P	Cruiser 250	114
Croplan Genetics CG8410VT3P	VT3P	Cruiser 250	117
BH Genetics BH 8895VTTP	GENVT3P	Acceleron	117
BH Genetics BH 8630VTTP	GENVT3P	Acceleron	116
BH Genetics BH 8977RR/HX	HX1, LL, RR	Cruiser Max 250	117
BH Genetics BH 8928VTTP	GENVT3P	Acceleron	118
BH Genetics BH 8740VTTP	GENVT3P	Acceleron	116
NK Brand N72F-3000GT	3000GT	Cruiser 250	113
NK Brand N78S-3111	3111 (VIP)	Cruiser 250	116
Dekalb DKC61-88	GENVT3P	Poncho 500 Votivo/Acceleron	111
Dekalb DKC62-09	GENVT3P	Poncho 500 Votivo/Acceleron	112
Dekalb DKC64-69	GENVT3P	Poncho 500 Votivo/Acceleron	114
Dekalb DKC66-97	GENVT2P	Poncho 500 Votivo/Acceleron	116
Dekalb DKC67-57	GENVT3P	Poncho 500 Votivo/Acceleron	117
Dekalb DKC67-88	GENVT3P	Poncho 500 Votivo/Acceleron	117
Dekalb DKC69-29	GENVT3P	Poncho 500 Votivo/Acceleron	119
Dekalb DKC66-86	GENVT3P	Poncho 500 Votivo/Acceleron	116
Dekalb DKC62-97	GENVT3P	Poncho 500 Votivo/Acceleron	112
Dekalb DKC68-03	GENVT2P	Poncho 500 Votivo/Acceleron	118
Dekalb DKC65-67	GENVT2P	Poncho 500 Votivo/Acceleron	115
Dekalb DKC64-83	GENVT3P	Poncho 500 Votivo/Acceleron	114
Dekalb DKC63-87	GENVT2P	Poncho 500 Votivo/Acceleron	113

<sup>1</sup>**Agrisure CB/LL** - gene offers a high level of resistance to corn borers (southwestern, European, and sugarcane borers). The gene also offers a moderate level of resistance to corn earworm and above average resistance to fall armyworms. Also, contains the Liberty Link gene.

**YGCB** - TheYieldGard corn borer gene offers a high level of resistance to corn borers (southwestern, European, and sugarcane borers). The gene also offers a moderate level of resistance to corn earworm and above average resistance to fall armyworms.

**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 (gluphosinate) herbicide.

**VT2P** - Contains RR2 gene and YieldGard corn borer gene.

**GENVT2P** - Contains RR2 gene and Genuity VT PRO genes, which provide resistance to corn borers, fall armyworm, and corn earworm.

**VT3P** - Contains RR2 gene and YieldGard corn borer and corn rootworm gene.

**GENVT3P** - Contain RR2 gene and Genuity VT PRO gene, which provides resistance to corn borers, fall armyworm, corn earworm, and corn rootworm.

**HX1** - Contains the Herculex Insect Protection gene, which provides protection against corn borers and fall armyworms; and suppresses corn earworm.

**GT** -Agrisure's glyphosate tolerance gene.

**VIP** - Agrisure's Vipteria contains a gene for resistance to corn earworm, Fall armyworm, black cutworm, western bean cutworm, dingy cutworm, and stalk borers.

**3000GT** - Contains GT gene plus Agrisure's CB/LL.

**3111** - Contains Agrisure's VIP, CB/LL and GT traits.

**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 2012 corn hybrid performance trials.

Company	Brand/Hybrid
Armor Seed P.O. Box 178 Fisher, AR 72429	Armor 1133PRO3,Armor 1262PRO2, Armor 1415PRO3,Armor 1330PRO3, Armor 1550PRO3,Armor 1655PRO2, Armor 1770PRO3,Armor 1880PRO3
BH Genetics 5933 FM1157 Ganado, TX 77962	BH Genetics BH 8895VTTP, BH Genetics BH 8630VTTP, BH Genetics BH 8977RR/HX, BH Genetics BH 8928VTTP, BH Genetics BH 8740VTTP
Croplan Genetics P.O. Box 64406 MS 7455 St. Paul, MN 55112	Croplan Genetics CG6425VT3P, Croplan Genetics CG6725VT3P, Croplan Genetics CG6960VT3, Croplan Genetics CG8410VT3P
Crop Production Services - Dyna-Gro Seed 11 Gin Rd. Rayville, LA 71269	Dyna-Gro D51VP40, Dyna-Gro D54VP81, Dyna-Gro D55VP77, Dyna-Gro D56VP10, Dyna-Gro D56VP69, Dyna-Gro D56VP79, Dyna-Gro D57VP51
Delta Grow Seed 220 NW 2 <sup>nd</sup> P.O. Box 219 England, AR 72046	Delta Grow DG3788GTCBLL, Delta Grow DG2888GTCBLL, Delta Grow DG4725Vip Delta Grow DG3588GTCBLLRW, Delta Grow DG2688GTCBLLRW, Delta Grow DG2788CBLL, Delta Grow DG6388GTCBLLRW, Delta Grow DG6488GTCBLLRW
Golden Acres Genetics P.O. Box 579 Buchanan Dam, TX 78609	Golden Acres GA26V21, Golden Acres GA28V81
Monsanto Company 800 N. Lindberg Blvd. St. Louis, MO 63167	Dekalb DKC61-88, Dekalb DKC62-09, Dekalb DKC64-69, Dekalb DKC66-97, Dekalb DKC67-57, Dekalb DKC67-88, Dekalb DKC69-29, Dekalb DKC66-86, Dekalb DKC62-97, Dekalb DKC68-03, Dekalb DKC65-67, Dekalb DKC64-83, Dekalb DKC63-87



Company	Brand/Hybrid
Pioneer Hi-Bred International, Inc. 700 Boulevard South – Suite 302 Huntsville, AL 35802	Pioneer P1303HR, Pioneer P1690HR, Pioneer P1636YHR, Pioneer P1739HR, Pioneer P2088YHR
Syngenta Seeds 11055 Wayzata Blvd. Minnetonka, MN 55305-1526	NK N72F-3000GT, NK N78S-3111
Terral Seed, Inc. 604 Blount St. Lake Providence, LA 71254	REV®21HR33™, REV®22BHR43™, REV®26HR50™, REV®23RE73™, REV®28HR20™, REV®28HR29™, REV®28HR30™, REV®28R10™, REV®27HR52™, REV®25BHR63™, REV®26HR23™, REV®27HR83™, REV®29HR13™, REV®24BHR93™