Performance of Corn Hybrids in Louisiana 2010

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Performance of Grain Corn Hybrids in Louisiana 2010

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Performance of Corn Hybrids in Louisiana, 2010

H.J. "Rick"Mascagni, Jr., Brooks Blanche, Millie Deloach, Bobby Golden, Jim Hayes, John Kruse, Roger Leonard, and Boyd Padgett

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 2010 were: Dean Lee Research Station, Alexandria; Red River Research Station, Bossier City; Northeast Research Station, St. Joseph; and Macon Ridge Research Station, Winnsboro. The trial at Bossier City was dropped due to excessive variability among plots.

PROCEDURES

In 2010, 88 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 Sharkey clay 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

H.J. "Rick" Mascagni, Jr., Professor and Coordinator, Northeast Research Station, St. Joseph, LA 71366; Brooks Blanche, Millie Deloach, and John Kruse, Assistant Professor, Research Associate, and Assistant Professor/Specialist, Dean Lee Research Station, Alexandria, LA 71302; Bobby Golden and Jim Hayes, Assistant Professor and Research Associate, Red River Research Station, Bossier City, LA 71113; Roger Leonard and Boyd Padgett, Professors, Macon Ridge Research Station, Winnsboro, LA 71295.

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.

Yields for 2010 and two-year averages (2009 and 2010) are presented in the data tables. To be considered for a two-year average, hybrids must have the same seed traits each year (refer to Table 7). Yields for the hybrids in the highest-yielding group for 2010 (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, 2009 and 2010; however, there were no hybrids falling within the highest-yielding group for both years at any location.

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 average yield	2-Year avg	Average grain yield for 2009 and 2010, bu/a
Grain moisture	GrMo	Grain moisture at harvest, %
Test weight	Test wt	Volume weight of grain, lb/bu
Plant population	Stand	Plant count at harvest, plts/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	Husk cover	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, %

RESULTS

Yield data and other agronomic data for each location are presented in Tables 2-5. A location summary, soil type, cultural practices, and weather information are listed prior to data tables for each location. Yield summary across Louisiana for 2010 is presented in Table 6, seed traits and hybrid maturities are listed in Table 7, and participating seed companies are listed in Table 8. There were thirteen seed companies that participated in the 2010 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, Dr. Brooks Blanche, Dean Lee Research Station, Alexandria, LA 71302 (Ph: 318-473-6524, Fax: 318-473-6535, e:mail: sblanche@agcenter.lsu.edu); Dr. Bobby Golden, 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 - Alexandria

Location Summary

This trial was replanted due to extensive bird damage in the first planting date. Although planted relatively late yields ranged from 108.8 to 156.9 bu/a with a trial average of 129.9 bu/a (Table 2). There was early season drought stress in this dryland trial. Rainfall was extremely low in April through mid-May (see weather graph below). There were five hybrids that fell within the 2010 high-yielding group. There were 26 hybrids that had two-year averages, however none of these fell within the high-yielding group for both 2009 and 2010. Data for other agronomic traits are presented in Table 2.

Soil Type……..…Norwood silt loam
Tillage……
Stale seedbed with no spring cultivation
Row Spacing……...…….....38 inch
Seeding Rate…….….32,000 seed/a
Previous crop……Soybeans
Planting date……..…..…April 8 (replant)
Fertilization…… Fall: 180 lb 0-18-36;
Sidedress: 200 lb/N (30-0-0-2) plus 0.5 lb Zn/a;
Pesticides……Atrazine @ 1 qt/a, Prowl @ 1.5 pt/a, Permit @ 0.75 oz/a (applied 5/21); Karate @ 2.6 oz/a (at planting); Lexar @ 3 qt/a (applied 4/23);
Harvest Date……..August 23

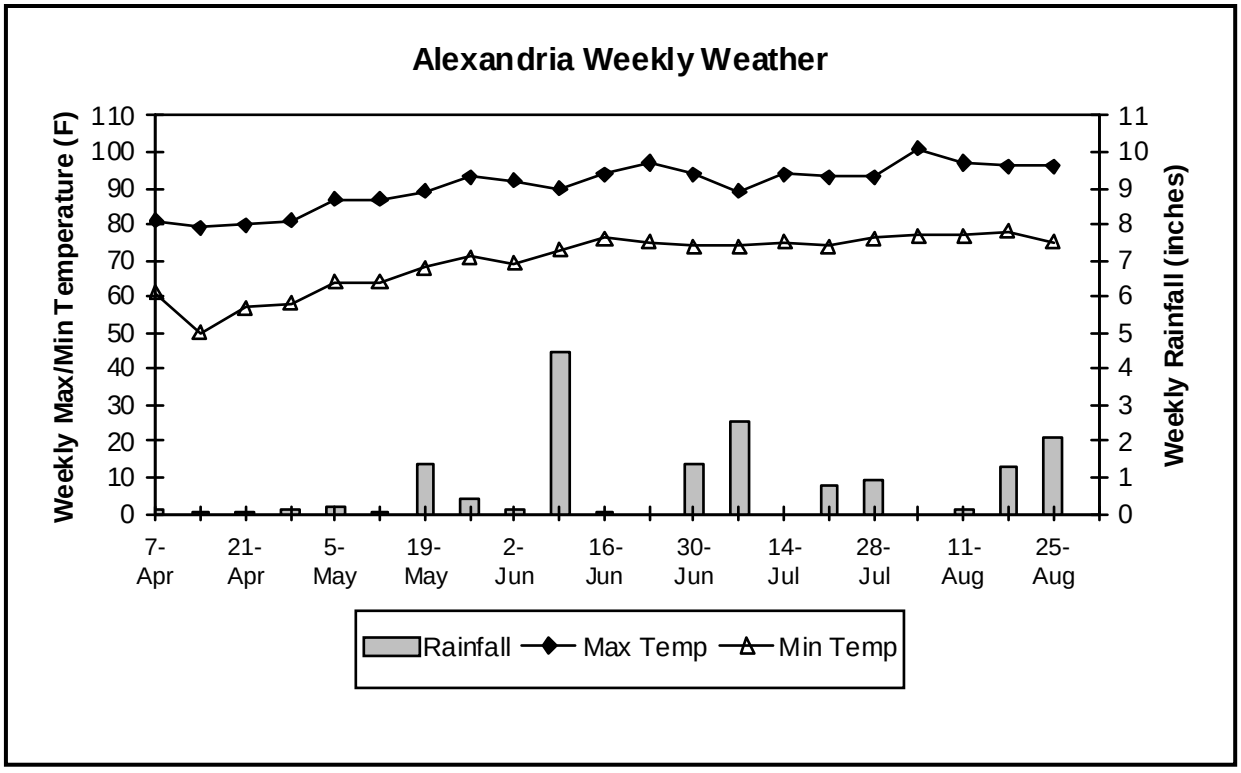

Table 2. Performance of corn hybrids on Norwood silt loam at Alexandria, 2010.

Brand/Hybrid	2010 Yield[1]	2-Year avg	Test wt	Mid silk	Plant ht	Ear ht	HC
	bu/a	bu/a	lb/bu	DAP	in	in	1-3
NK N82V-3000GT Brand	**156.9**	.	58.1	63	96	37	1
Golden Acres 26V21	**147.5**	.	55.8	63	81	32	1
Croplan 8505VT3/P	**146.8**	.	56.3	62	83	37	1
Dekalb DKC68-05	**146.3**	.	58.0	62	79	34	1
Dyna-Gro D56VP24	**144.7**	.	55.6	63	81	35	1
Armor BXC028VT3	143.3	.	57.5	60	77	32	1
Dekalb DKC66-96	141.7	.	56.2	61	77	32	1
Armor BXG080GT	140.1	.	56.6	63	84	43	1
Armor 1161PRO	140.1	.	55.7	62	81	28	1
Pioneer P1389HR	139.3	.	59.3	65	78	36	1
Channel 214-14VT3P	138.7	.	56.7	62	76	34	2
Golden Acres 28V81	138.6	.	57.2	62	87	39	1
Dyna-Gro 57V21	138.5	122.3	55.6	61	74	36	1
Armor 1511C	138.3	.	58.3	63	82	40	1
Delta Grow 3988	137.7	.	54.7	62	75	37	2
Croplan 851VT3/P	137.6	.	56.0	63	82	36	1
Armor 1655PRO	137.4	.	56.4	63	86	41	1
Dekalb DKC67-88	137.1	.	57.3	64	84	45	1
NK N78N-3000GT Brand	137.1	129.1	58.1	63	82	35	1
Dekalb DKC61-05	136.2	.	58.1	63	79	32	1
AgriGold A6839	135.6	.	58.2	63	81	37	1
B-H Genetics X9150G	135.2	.	55.9	62	79	34	1
B-H Genetics BH 8895VTTP	135.1	.	54.1	63	76	33	1
REV 25R29	135.1	.	56.6	62	83	37	1
REV 25HR39	134.7	122.9	57.1	63	78	34	1
Delta Grow 3788	134.7	.	58.2	63	81	34	1
Dekalb DKC62-97	134.6	.	53.7	60	77	33	2
Delta Grow 2888	134.6	.	56.7	61	76	38	1
Dekalb DKC64-69	134.5	.	55.7	62	77	34	2
REV 26HR50	134.5	125.8	59.4	65	74	34	2
Croplan 6831RHXT	134.3	.	56.3	63	84	34	1
Dyna-Gro D57GT60	134.3	.	57.6	63	81	37	1
Croplan 6725VT3/P	133.4	.	55.9	62	76	33	2
Dyna-Gro V5373VT3	133.3	118.7	54.8	63	80	35	1
B-H Genetics X9149GBT11	132.8	.	56.7	62	83	35	1
Dekalb DKC65-44	132.2	123.1	56.3	60	74	34	2
Delta Grow BP2827	132.0	.	59.4	65	76	37	1
REV 25R19	131.5	.	58.1	64	85	34	2
Pioneer P1184HR	131.0	.	57.5	63	81	40	3
NK N78B-GT Brand	130.9	.	56.8	62	78	32	1
REV 28HR29	130.5	.	58.3	67	83	39	1
REV 28R10	130.5	.	56.6	67	89	40	1
REV 25HR49	130.4	113.7	56.9	63	82	33	2
Dekalb DKC64-24	130.2	114.6	55.3	60	75	34	1
Dyna-Gro V5683VT3	130.2	.	53.7	63	86	38	1
Dyna-Gro D55Q80	130.0	.	57.1	65	77	38	1

Dekalb DKC64-83	129.4	.	55.3	63	72	32	1
Croplan 7131VT3	129.2	.	55.5	61	75	36	1
Croplan 7505VT3/P	128.9	.	57.5	61	77	34	1
Pioneer P2023HR	128.9	126.0	56.8	67	81	37	1
B-H Genetics BH 4920HX	128.6	.	58.1	67	76	33	1
NK N77P-3000GT Brand	128.3	117.2	55.6	63	74	27	1
REV 28HR20	127.1	132.1	57.5	65	81	38	1
AgriGold A6632VT3Pro	126.7	.	55.2	62	64	26	1
Pioneer P1745HR	126.7	.	55.3	65	82	38	1
NK N78S-CB/LL Brand	126.6	.	55.1	64	78	31	1
Dekalb DKC64-03	126.4	.	55.9	63	75	35	1
Pioneer 31D62 (YGCB,RR2)	126.1	.	57.8	64	79	32	1
Channel 209-85VT3P	126.0	.	54.2	62	72	34	1
Golden Acres 26V31	125.8	.	54.3	65	71	29	1
Pioneer 33F87 (HX1,LL,RR2)	125.6	125.8	55.3	63	79	38	1
Pioneer P1615HR	124.8	.	58.0	67	83	37	2
Dyna-Gro D58VP99	124.4	.	56.9	63	78	41	1
Golden Acres 27V01	124.1	.	54.5	63	83	38	1
Dyna-Gro 57V05	123.8	114.4	56.2	63	63	33	1
Unity 7514 3000 GT	123.7	.	51.6	63	79	32	1
Croplan 8756VT3	123.6	116.3	55.4	67	75	33	1
Dekalb DKC62-54	123.5	107.8	55.8	62	65	26	1
AgriGold A6633VT3	123.3	108.7	53.9	63	72	31	1
AgriGold A6639VT3	123.3	111.7	57.5	67	78	36	1
AgriGold A6489VT3	123.2	124.1	56.0	63	71	33	2
AgriGold A6533VT3	123.0	111.0	55.4	63	76	33	1
Dyna-Gro 57V59	122.7	.	52.7	61	69	28	1
Armor 1545PRO	122.5	.	57.5	65	70	28	1
REV 28R30	122.0	112.0	54.6	67	83	46	2
Dyna-Gro 58V72	121.2	119.1	54.2	65	82	34	1
Dyna-Gro 57V44	120.7	112.9	54.5	62	78	32	2
Channel 216-49VT3P	120.2	.	54.6	63	75	31	1
Croplan 6986VT3	120.1	119.1	57.9	62	77	37	1
Armor 1539PRO	119.1	.	57.7	63	76	32	1
REV 28HR30	118.9	.	57.2	66	85	42	1
Dekalb DKC67-21	118.7	.	56.9	62	79	38	1
Pioneer 31P42 (HX1,LL,RR2)	118.2	119.6	57.3	67	83	33	1
Dekalb DKC65-63	117.1	106.1	55.3	61	75	36	1
Dyna-Gro 58V69	112.0	.	56.7	65	76	37	1
Armor 1868PRO	109.0	.	56.6	65	81	36	1
B-H Genetics X9151G	108.8	.	52.5	66	86	34	1
AgriGold A6479VT3	108.8	99.4	56.2	62	77	36	1
Average	**129.9**	**.**	**56.3**	**63**	**78**	**35**	**1**
CV %	**9**	**.**	**2**	**2**	**8**	**1**	**31**
LSD (P=0.10)	**12.2**	**.**	**1.4**	**2**	**10**	**6**	**1**

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

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

Location Summary

Yields ranged from 71.9 to 134.3 bu/a with an overall average of 109.5 bu/a in this dryland trial (Table 3). Yields were relatively good considering the extremely low rainfall in April, May, and June (see weather graph below). There were sixteen hybrids that fell within the 2010 high-yielding group and no hybrids fell within the high-yielding group for both years, 2009 and 2010. Harvest grain moistures ranged from 13.7 % for Dekalb DKC62-54 to 18.9% for B-H Genetics BH 4920HX, reflecting the differences in maturity among hybrids. Most of the hybrids in the trial had a husk cover (HC) rating of 1, which indicates a closed HC. A tight or closed HC is a desirable agronomic trait, since this helps to mitigate insect damage and the accumulation of aflatoxin.

Soil Type……..……Commerce silt loam
Tillage……
Rehipped in fall, no cultivation
Row Spacing……..…..……40 inches
Seeding Rate……..…..…32,000 seed/a
Previous crop……..……Cotton
Planting date……..…….March 18
Fertilization……..
Sidedress: 210 lb N/a (30-0-0-2) (April 9)
Pesticides……
Burndown: Glyphos @ 1 qt/a, 2-4,D @ 13 oz/a;
Pre-emerge: Atrazine @ 1.5 qt/a, Glyphos @ 1 qt/a, Harness @ 1.5 pt/a, Discipline @ 1.5 oz/a;
Post-emerge: Steadfast @ 0.75 oz/a, Atrazine @ 1 qt/a, plus 1% COC (April 5);
Harvest Date…….....August 5

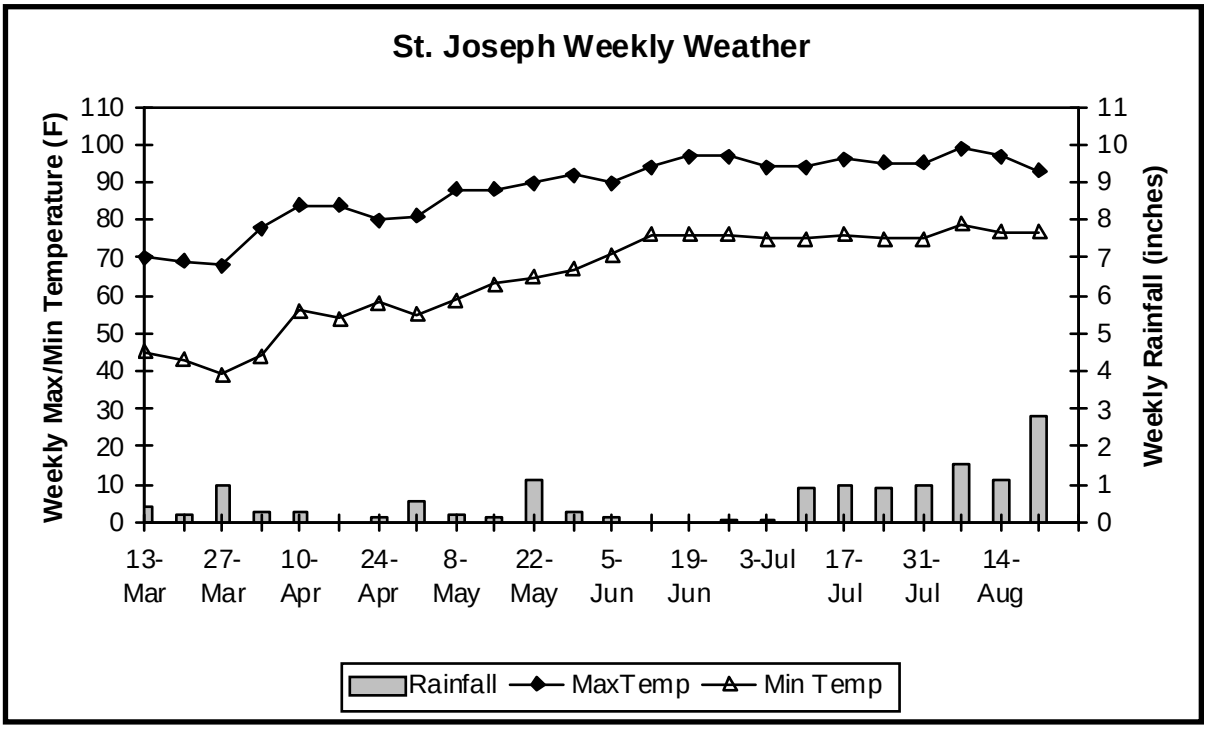

Table 3. Performance of corn hybrids on Commerce silt loam at St. Joseph, 2010.

Brand/Hybrid	2010 Yield[1]	2-Year avg	GrMo	Test wt	Stand	Mid silk	Plant ht	Ear ht	HC
	bu/a	bu/a	%	lb/bu	plts/a	DAP	in	in	1-3
Unity 7514 3000 GT	**134.3**	.	17.0	52.1	28780	71	85	30	1
Dekalb DKC68-05	**133.5**	.	16.1	54.9	28120	71	75	27	2
Armor 1655PRO	**132.1**	.	16.0	56.7	29430	72	86	34	1
Pioneer P1615HR	**130.9**	.	16.1	58.0	28120	73	98	41	1
Croplan 8505VT3/P	**130.0**	.	16.3	56.4	30740	72	88	35	1
Channel 209-85VT3P	**129.9**	.	14.7	54.8	31390	69	78	31	2
Pioneer P1184HR	**129.2**	.	15.1	58.5	33350	71	83	33	1
B-H Genetics BH 4920HX	**128.6**	.	18.9	55.0	23540	74	80	37	1
Croplan 6725VT3/P	**127.3**	.	15.9	57.5	30740	69	80	33	1
Dekalb DKC66-96	**126.0**	.	15.2	57.1	28780	70	70	29	1
NK N78N-3000GT Brand	**125.2**	131.1	16.7	53.6	26160	71	89	31	1
REV 28R30	**123.5**	129.3	18.0	52.1	32050	71	89	35	1
NK N82V-3000GT Brand	**122.9**	.	16.2	55.9	28120	69	80	31	1
Dyna-Gro D58VP99	**122.4**	.	15.2	57.3	23540	68	80	32	1
AgriGold A6489VT3	**121.4**	124.2	16.2	55.3	31390	71	83	37	1
B-H Genetics X9150G	**120.7**	.	16.2	57.1	28780	71	84	32	1
B-H Genetics X9151G	119.9	.	16.3	53.1	35970	72	92	38	1
REV 28R10	119.6	.	16.4	56.8	31390	73	89	33	1
REV 28HR30	119.4	.	18.2	54.8	28120	73	93	39	1
NK N78B-GT Brand	119.0	.	15.6	56.9	30080	69	88	36	1
Armor 1539PRO	118.7	.	17.3	57.7	31390	72	83	30	1
Pioneer P1389HR	118.7	.	15.0	58.7	28120	71	87	28	1
Armor BXG080GT	118.3	.	16.1	57.5	28780	71	80	32	1
Pioneer 33F87 (HX1,LL,RR2)	117.9	129.0	16.0	57.4	33350	71	91	34	2
Golden Acres 28V81	117.3	.	16.2	56.9	24850	72	90	34	1
REV 26HR50	117.1	126.6	16.1	57.0	31390	74	82	31	1
Delta Grow BP2827	116.2	.	15.7	58.3	32050	71	91	33	2
Dyna-Gro D57GT60	115.9	.	15.3	57.3	29430	71	88	34	1
Dyna-Gro D56VP24	115.8	.	16.0	54.9	31390	72	83	29	1
AgriGold A6479VT3	115.5	128.3	16.1	56.7	28120	69	78	30	1
Golden Acres 27V01	115.5	.	16.7	54.7	26810	74	90	34	2
Pioneer P1745HR	115.2	.	17.1	55.4	34010	74	94	38	1
Armor 1161PRO	115.0	.	15.7	56.4	27470	69	72	28	1
Dyna-Gro D55Q80	114.9	.	18.0	55.7	29430	70	80	33	1
Delta Grow 2888	114.8	.	15.8	57.4	30740	70	82	29	1
AgriGold A6839	114.5	.	16.5	58.2	23540	70	84	34	1
Channel 214-14VT3P	113.8	.	14.8	58.7	27470	69	76	32	1
NK N78S-CB/LL Brand	113.1	.	16.6	51.5	30740	70	74	30	1
Golden Acres 26V31	113.0	.	16.3	54.6	25510	72	85	32	1
Armor BXC028VT3	112.9	.	16.6	57.7	23540	68	70	29	1
REV 25HR39	112.5	120.8	15.4	51.2	26160	71	86	35	1
Croplan 851VT3/P	112.1	.	16.5	54.8	28120	72	85	29	1
Dekalb DKC67-21	112.0	.	18.5	55.9	30740	73	82	31	1
REV 25HR49	111.8	126.9	15.5	57.1	27470	74	91	34	1
Delta Grow 3788	111.7	.	17.3	56.1	28120	70	81	30	1
B-H Genetics BH 8895VTTP	111.6	.	17.2	53.9	30740	73	86	31	1

Dekalb DKC65-44	111.0	126.5	14.6	58.6	32050	68	71	28	1
Croplan 6831RHXT	110.8	.	17.4	54.2	31390	72	88	30	1
Dyna-Gro V5683VT3	110.8	.	16.8	56.2	32700	74	100	39	1
Armor 1511C	110.3	126.2	15.4	56.5	26160	72	88	34	2
Dekalb DKC61-05	110.1	.	15.6	59.2	32700	70	75	28	1
Golden Acres 26V21	108.3	.	17.1	55.7	30740	72	79	33	1
REV 25R19	108.0	.	15.4	58.2	30740	73	90	35	1
Dekalb DKC64-03	107.6	.	14.5	57.6	30080	70	78	30	1
Delta Grow 3988	107.4	.	15.4	56.3	26160	69	79	33	1
AgriGold A6632VT3Pro	106.8	.	15.6	55.9	29430	70	73	25	1
Dyna-Gro 58V72	106.4	121.2	17.6	53.9	25510	72	81	32	1
Pioneer P2023HR	106.3	117.7	16.4	56.8	30080	74	90	32	1
Pioneer 31D62 (YGCB,RR2)	106.1	.	16.1	57.4	28120	75	87	35	1
Dekalb DKC67-88	105.9	.	18.6	55.5	30080	71	92	40	1
Dekalb DKC64-24	105.2	119.6	14.6	53.2	20930	67	68	31	.
REV 28HR29	104.8	.	17.4	55.4	28120	75	92	35	1
Croplan 8756VT3	104.7	116.9	16.3	56.2	28120	76	80	33	1
REV 28HR20	103.9	120.0	16.2	57.0	27470	74	94	32	1
Croplan 6986VT3	102.9	121.0	16.2	56.5	32700	71	77	32	1
Dyna-Gro 57V21	102.4	120.2	17.1	53.8	34010	70	79	32	1
Dyna-Gro 57V05	100.9	120.5	17.8	54.5	30080	73	83	31	1
AgriGold A6533VT3	99.7	116.4	15.9	57.0	28120	71	79	28	1
Croplan 7131VT3	99.1	.	16.6	54.8	29430	70	76	27	1
Dekalb DKC62-97	98.3	.	15.4	54.6	24200	68	73	30	1
Pioneer 31P42 (HX1,LL,RR2)	98.1	117.1	15.8	55.3	24850	73	94	38	1
Dyna-Gro 57V59	97.0	.	15.5	55.3	28120	68	74	29	1
Dekalb DKC62-54	96.9	115.0	13.7	57.7	26810	68	76	29	1
Channel 216-49VT3P	96.9	.	16.5	55.7	28120	71	71	28	1
AgriGold A6633VT3	96.8	118.4	16.7	51.9	30080	70	81	27	1
Croplan 7505VT3/P	96.0	.	15.5	57.1	28120	70	82	32	1
Dekalb DKC64-83	95.8	.	15.9	57.4	23540	71	77	28	1
REV 25R29	94.4	.	15.6	56.3	24200	72	87	31	1
Dyna-Gro V5373VT3	93.1	116.6	17.5	53.7	30080	71	81	32	1
AgriGold A6639VT3	92.6	116.0	15.2	54.8	25510	70	70	32	1
Armor 1868PRO	91.7	.	17.0	54.6	26160	74	77	33	1
NK N77P-3000GT Brand	89.9	108.5	17.0	54.6	25510	71	73	27	1
B-H Genetics X9149GBT11	88.4	.	17.1	57.0	30080	72	77	32	1
Dekalb DKC65-63	86.1	110.6	15.1	56.7	30080	73	63	24	1
Dekalb DKC64-69	79.4	.	16.6	55.8	29430	72	68	30	1
Dyna-Gro 57V44	77.2	102.6	15.1	55.7	24850	71	78	30	1
Armor 1545PRO	75.1	.	16.9	54.2	26810	72	84	33	1
Dyna-Gro 58V69	71.9	.	18.3	52.5	27470	74	73	30	1
Average	**109.5**	**.**	**16.2**	**55.9**	**28720**	**71**	**82**	**32**	**1**
CV %	**12**	**.**	**3**	**3**	**13**	**2**	**6**	**10**	**18**
LSD (P=0.10)	**13.8**	**.**	**0.8**	**2.7**	**NS**	**2**	**9**	**5**	**NS**

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

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

Location Summary

Rainfall was extremely low in April, May, and June (see weather chart below), resulting in seven furrow irrigations (May 4, May 19, May 27, June 10, June 21, June 28, and July 7). At the first irrigation, corn was at the 8-leaf growth stage. Yields were much lower than expected, ranging from 65.3 to 133.5 bu/a, with a trial average of 109.2 bu/a (Table 4). Adjacent trials, which averaged 140-150 bu/a, had the same irrigation dates; however, these trials were planted April 1 compared to March 19 for the hybrid trial. There were 13 hybrids that fell within the 2010 high-yielding group and no hybrid did well in both years, 2009 and 2010.

Soil Type…….….Sharkey clay
Tillage…….
…. Stale seedbed with no cultivation
Row Spacing…….……40 inches
Seeding Rate……..32,000 seed/a
Previous crop……..…..Cotton
Planting date…….....March 19
Fertilization……..
Sidedress: 230 lb N/a (30-0-0-2) (April 9)
Pesticides……
Pre-emerge: Atrazine @ 1.5 qt/a, Glyphos @ 1 qt/a, Harness @ 1.5 qt/a, Discipline @ 1.5 oz/a;
Post-emerge: Atrazine @ 1 qt/a, Steadfast @ 0.75 oz/a plus COC 1%;
Harvest Date…….....August 3

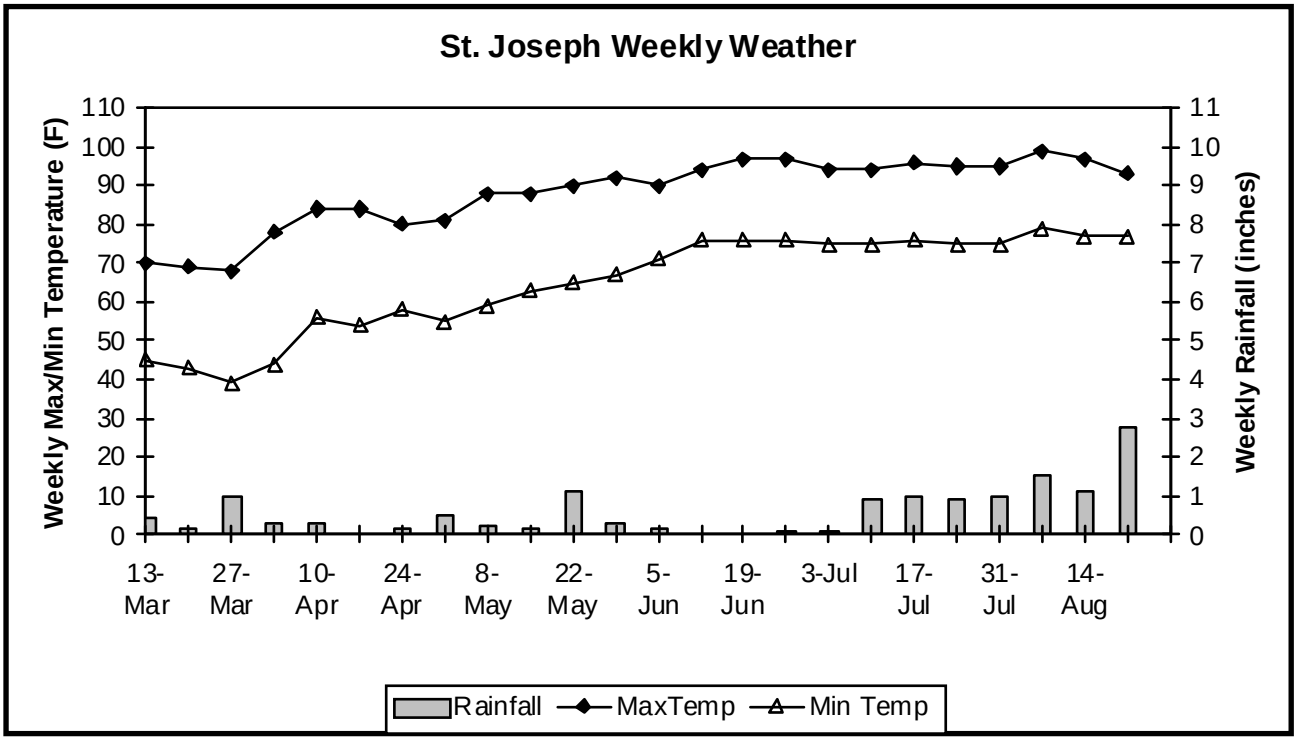

Table 4. Performance of irrigated corn hybrids on Sharkey clay at St. Joseph, 2010.

Brand/Hybrid	2010 Yield[1]	2-Year avg	GrMo	Test wt	Mid silk	Ear ht	HC
	bu/a	bu/a	%	lb/bu	DAP	in	1-3
NK N82V-3000GT Brand	**133.5**	.	16.7	55.6	68	33	1
Channel 214-14VT3P	**131.7**	.	15.1	57.5	69	29	2
REV 28R10	**128.7**	.	17.7	55.1	71	31	1
REV 26HR50	**127.5**	116.3	16.9	55.9	71	30	3
Golden Acres 27V01	**126.8**	.	17.5	54.3	71	33	1
Pioneer P1615HR	**125.4**	.	18.8	56.7	72	37	2
Armor 1161PRO	**125.0**	.	17.1	54.4	69	31	1
Dyna-Gro D56VP24	**124.9**	.	14.9	53.2	72	29	1
Armor BXC028VT3	**124.3**	.	16.9	59.2	67	28	1
Delta Grow BP2827	**123.0**	.	16.1	57.9	70	33	3
Dyna-Gro D57GT60	**123.0**	.	16.1	57.4	68	32	2
REV 28HR29	**122.4**	.	18.2	53.4	72	31	2
Pioneer P1745HR	**121.5**	.	17.8	53.7	71	35	2
Dekalb DKC66-96	120.4	.	15.8	56.4	68	28	1
Pioneer 33F87 (HX1,LL,RR2)	120.3	108.2	15.5	57.2	68	31	2
NK N78N-3000GT Brand	120.3	114.7	17.5	54.9	70	29	2
Armor 1655PRO	120.2	.	16.3	57.3	69	34	1
Pioneer 31D62 (YGCB,RR2)	119.2	.	16.8	57.3	71	34	2
Unity 7514 3000 GT	119.2	.	16.2	52.8	69	32	2
Delta Grow 2888	119.1	.	17.0	56.8	67	33	2
REV 28HR20	118.7	110.9	17.9	58.3	72	32	1
Croplan 8756VT3	118.6	102.3	18.7	53.9	74	39	2
AgriGold A6639VT3	117.9	108.5	16.3	57.9	67	31	1
REV 28HR30	117.9	.	18.7	54.1	72	33	2
B-H Genetics X9151G	117.6	.	17.7	52.2	70	35	1
AgriGold A6839	117.6	.	18.4	58.0	69	31	1
Dekalb DKC67-21	117.0	.	18.5	55.1	70	33	1
Croplan 8505VT3/P	117.0	.	16.6	58.2	69	32	1
REV 25R19	116.4	.	15.7	57.0	70	36	2
REV 25R29	116.1	.	14.8	56.5	69	33	2
Delta Grow 3788	115.9	.	15.1	55.3	69	31	1
Golden Acres 28V81	115.2	.	17.1	57.1	69	34	1
Dekalb DKC67-88	115.1	.	18.0	56.2	71	40	1
B-H Genetics BH 4920HX	114.7	.	19.6	54.1	75	33	2
Dekalb DKC64-03	114.4	.	14.3	57.0	67	30	2
Dyna-Gro V5683VT3	114.3	.	16.7	56.0	71	33	1
Croplan 851VT3/P	114.2	.	17.2	54.0	71	30	2
Dekalb DKC65-44	113.9	112.5	15.7	59.3	67	29	3
AgriGold A6479VT3	113.1	112.6	16.3	56.3	69	31	1
Dekalb DKC64-24	112.9	106.5	14.8	58.1	66	29	3
B-H Genetics X9150G	112.6	.	15.9	56.5	67	32	2
REV 25HR39	112.1	109.6	17.0	57.3	70	36	2
Dyna-Gro D55Q80	111.5	.	17.6	55.8	69	32	1
Golden Acres 26V21	111.3	.	18.1	55.2	70	32	2
Dekalb DKC68-05	110.5	.	18.0	56.4	68	31	2
Dekalb DKC62-97	110.5	.	16.9	53.8	66	27	2

Pioneer P2023HR	110.4	106.2	16.2	56.8	73	32	2
Armor 1545PRO	110.3	.	17.9	56.0	70	31	1
Delta Grow 3988	109.8	.	16.0	56.3	68	33	2
Pioneer P1184HR	109.6	.	15.9	58.3	69	30	2
Armor 1539PRO	108.8	.	17.5	56.9	69	35	1
REV 28R30	108.0	108.0	17.1	55.7	69	37	2
Dyna-Gro 57V05	108.0	107.5	17.2	53.6	69	31	1
Croplan 6725VT3/P	107.6	.	16.1	56.5	68	29	2
Pioneer P1389HR	107.3	.	16.0	58.5	70	31	2
Dyna-Gro 57V59	106.6	.	15.8	54.6	67	25	2
REV 25HR49	106.5	98.8	17.4	55.4	71	32	2
Armor 1868PRO	106.2	.	17.9	54.3	73	35	1
NK N78B-GT Brand	106.2	.	16.0	55.8	68	31	2
Pioneer 31P42 (HX1,LL,RR2)	106.1	101.6	16.9	56.5	72	32	1
Channel 209-85VT3P	106.1	.	15.8	52.9	69	30	2
Armor BXG080GT	104.5	.	18.7	56.6	67	33	2
AgriGold A6489VT3	104.0	101.5	16.4	55.9	70	30	2
Croplan 6831RHXT	103.7	.	17.8	51.9	69	33	2
B-H Genetics BH 8895VTTP	102.0	.	18.1	53.7	72	30	1
Armor 1511C	101.9	100.5	16.1	55.3	70	37	3
Dekalb DKC62-54	101.0	98.5	15.7	57.5	67	28	3
Croplan 7505VT3/P	99.9	.	17.2	57.1	67	30	2
NK N77P-3000GT Brand	99.3	100.7	19.0	54.5	69	31	2
Dyna-Gro 58V72	98.4	98.7	17.8	51.7	70	34	1
Dyna-Gro 57V21	97.9	101.0	18.0	54.3	69	28	1
Dekalb DKC64-69	97.4	.	16.8	54.8	69	28	1
AgriGold A6533VT3	96.5	96.8	16.8	57.4	69	28	2
Channel 216-49VT3P	95.6	.	18.2	55.3	68	31	3
Golden Acres 26V31	95.1	.	18.2	54.2	71	33	2
Dyna-Gro V5373VT3	94.9	106.5	19.3	53.1	69	29	2
Dyna-Gro D58VP99	94.0	.	16.5	57.9	66	30	1
Dyna-Gro 58V69	93.6	.	19.4	52.2	71	31	1
B-H Genetics X9149GBT11	93.4	.	18.0	54.6	69	33	2
Dekalb DKC64-83	93.2	.	16.7	55.7	70	26	2
AgriGold A6632VT3Pro	93.2	.	16.7	54.8	69	25	1
Croplan 6986VT3	91.6	106.3	16.1	56.4	68	31	2
NK N78S-CB/LL Brand	90.4	.	16.9	54.9	69	27	2
Dekalb DKC61-05	86.2	.	16.2	58.6	68	28	1
Dyna-Gro 57V44	85.8	92.4	17.7	53.5	69	33	1
AgriGold A6633VT3	82.3	96.7	16.5	53.4	68	27	2
Croplan 7131VT3	78.2	.	18.1	54.1	68	27	1
Dekalb DKC65-63	65.3	87.2	16.4	54.5	68	28	1
Average	**109.2**	**.**	**17.2**	**55.6**	**69**	**31**	**2**
CV %	**10**	**.**	**8**	**2**	**2**	**6**	**31**
LSD (P=0.10)	**12.4**	**.**	**2.2**	**1.9**	**2**	**3**	**1**

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

Corn Hybrid Performance Trial at the Macon Ridge Research Station Winnsboro

Location Summary

Rainfall was very low in June (see weather chart below). Seven furrow irrigations were applied (May 11, May 20, June 11, June 17, June 24, July 14, and July 22). Yields ranged from 96.1 to 157.3 bu/a with a trial average of 123.2 bu/a (Table 5). Lodging was extensive in this trial due to a late-season storm. Most of the lodging resulted from stalk lodging. Harvesting speed had to be slowed for the downed corn with most of the corn being harvested. There were six hybrids that fell into the 2010 high-yielding group and no hybrid did well for both years, 2009 and 2010. Data for other agronomic traits other than yield are presented in Table 5.

Soil Type…….Gigger silt loam
Tillage……. . Spring tillage and cultivation
Row Spacing…….……40 inches
Seeding Rate……..32,000 seed/a
Previous crop…….Cotton
Planting date…….....March 17
Fertilization……..
Sidedress: 200 lb N/a (30-0-0-2)
Pesticides……
Pre-emerge: Atrazine @ 1.0 qt/a, Dual @ 1.0 pt/a, Discipline @ 2 oz/a;
Post-emerge: Atrazine @ 1 qt/a, Round-up @ 1.0 qt/a;
Harvest Date…….....August 12-13

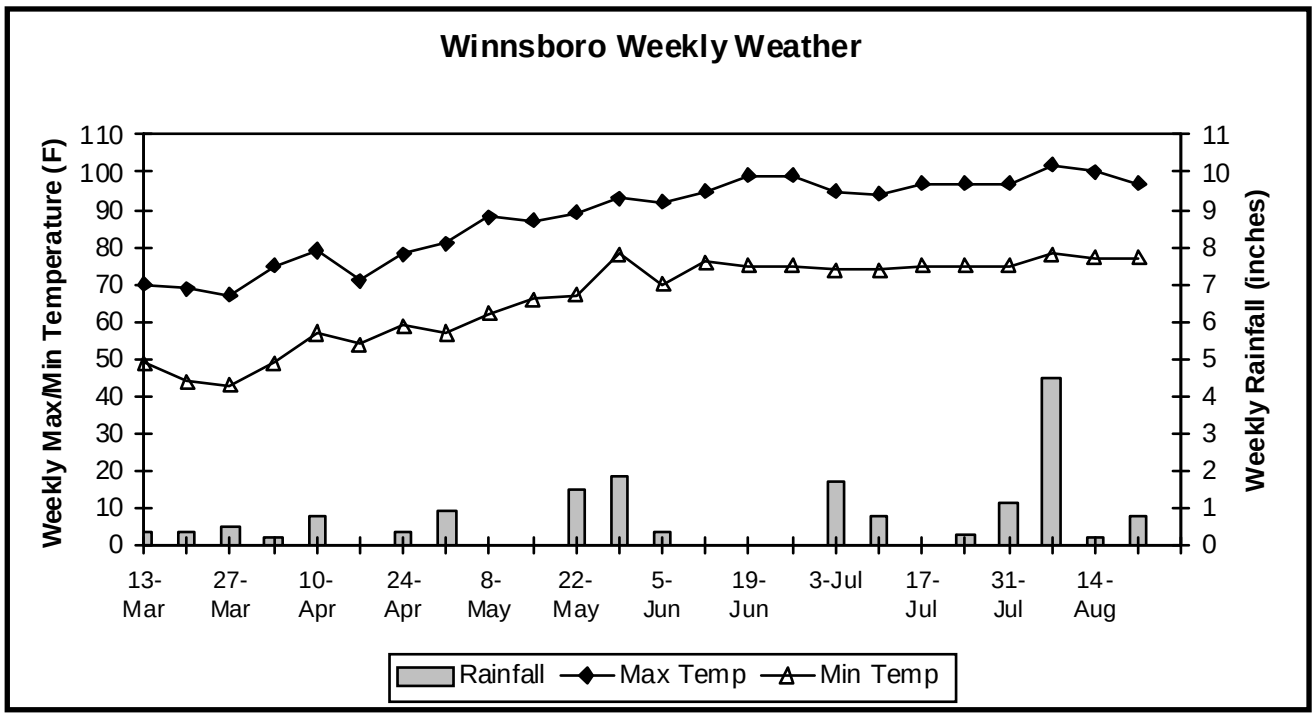

Table 5. Performance of corn hybrids on Gigger silt loam at Winnsboro, 2010.

Brand/Hybrid	2010 Yield[1]	2-Year avg	GrMo	Test wt	Stand	Mid silk	Plant ht	Ear ht	HC	Lo
	bu/a	bu/a	%	lb/bu	plts/a	DAP	in	in	1-3	%
Dekalb DKC67-88	**157.3**	.	14.7	58.0	31390	76	95	39	2	20
Armor 1539PRO	**157.2**	.	14.8	59.3	29430	75	87	32	3	50
Dekalb DKC64-69	**145.7**	.	14.2	58.3	32050	74	79	31	2	60
Dyna-Gro 58V69	**144.9**	.	15.1	57.0	29430	76	90	35	2	10
Dyna-Gro V5683VT3	**144.8**	.	13.8	56.7	30740	77	96	36	3	30
Dyna-Gro 58V72	**142.7**	148.9	15.4	55.3	27470	75	85	33	2	10
Channel 214-14VT3P	141.8	.	14.2	58.6	28120	73	77	28	3	80
Croplan 8505VT3/P	141.7	.	14.1	58.0	33350	73	87	31	2	10
Pioneer P2023HR	140.2	183.1	14.7	59.6	32050	82	89	29	2	30
REV 28HR30	140.1	.	16.0	57.2	29430	77	91	35	3	0
Golden Acres 28V81	139.7	.	14.3	58.1	28780	75	87	35	1	10
B-H Genetics BH 8895VTTP	139.4	.	14.5	54.4	31390	79	82	28	2	10
REV 28HR20	139.3	173.2	15.4	54.5	30740	81	94	33	2	20
REV 28R10	136.5	.	14.9	59.2	31390	81	94	31	1	40
REV 28R30	136.4	159.2	14.8	57.2	29430	76	90	35	2	30
Golden Acres 27V01	136.4	.	14.1	55.8	29430	79	82	31	2	10
Pioneer P1389HR	134.6	.	14.0	60.5	31390	76	86	32	3	30
Armor 1868PRO	134.5	.	14.2	56.6	28780	77	88	31	2	20
REV 26HR50	134.2	177.1	14.9	59.5	28780	80	91	29	1	30
Pioneer 31P42 (HX1,LL,RR2)	133.8	170.9	15.1	57.7	29430	77	94	38	2	20
Croplan 851VT3/P	133.7	.	14.1	56.3	31390	76	87	32	2	30
B-H Genetics X9151G	133.0	.	13.8	57.1	30740	76	88	32	1	10
Dyna-Gro D56VP24	133.0	.	14.0	56.1	30080	76	84	30	2	30
Dekalb DKC67-21	132.9	.	14.4	58.8	32050	75	86	32	3	30
Golden Acres 26V31	132.3	.	14.6	50.4	32700	75	90	29	2	10
Pioneer P1615HR	132.1	.	14.5	58.1	28780	80	97	37	2	20
Armor 1655PRO	131.0	.	14.7	57.8	27470	75	85	35	2	20
AgriGold A6533VT3	130.3	156.2	14.6	57.2	30090	74	82	30	1	50
NK N82V-3000GT Brand	129.1	.	14.3	57.9	28780	73	90	33	1	40
Pioneer P1745HR	128.3	.	14.6	56.7	30080	78	93	32	2	30
Croplan 6831RHXT	127.5	.	14.3	57.0	29430	76	89	33	1	20
Armor BXC028VT3	127.4	.	13.7	60.5	32700	72	78	27	2	80
REV 25R19	127.0	.	13.9	59.7	28780	76	87	33	2	40
Golden Acres 26V21	126.6	.	14.2	58.7	30080	74	87	29	2	40
NK N78S-CB/LL Brand	126.3	.	14.7	56.8	25510	75	79	29	2	20
Dyna-Gro 57V05	126.2	143.1	15.1	52.6	30080	75	86	30	2	20
REV 28HR29	125.8	.	15.1	58.5	30740	77	92	32	1	10
Dyna-Gro 57V44	125.6	146.3	13.8	55.2	30080	75	84	29	2	30
Pioneer 33F87 (HX1,LL,RR2)	124.8	158.9	14.4	56.3	30080	75	86	29	2	40
Croplan 8756VT3	124.7	148.9	14.9	52.0	27470	80	88	37	3	0
REV 25HR49	123.8	159.9	14.1	58.4	32050	76	93	33	3	30
Croplan 7131VT3	123.0	.	15.2	56.7	30740	73	72	25	1	50
Dekalb DKC66-96	122.8	.	14.1	58.7	32050	74	79	32	2	70
NK N78N-3000GT Brand	122.3	158.2	14.1	58.3	28780	74	88	34	1	60
AgriGold A6839	122.2	.	15.1	59.2	30740	73	83	29	2	30

Dekalb DKC65-44	122.1	155.6	13.9	59.6	31390	72	77	30	2	80
Armor 1511C	122.0	153.9	14.2	59.2	30740	78	88	36	2	30
Dyna-Gro V5373VT3	121.0	151.0	14.0	57.3	32050	74	83	29	1	30
Armor 1161PRO	120.5	.	14.2	58.1	31390	73	77	28	1	70
Dekalb DKC62-97	120.4	.	13.9	56.6	28780	73	81	28	2	10
REV 25R29	120.0	.	14.6	58.2	29430	76	87	28	2	40
Dyna-Gro 57V21	120.0	151.0	14.3	57.2	28780	74	79	28	1	30
Croplan 6725VT3/P	119.8	.	13.8	57.6	29430	73	74	30	2	50
AgriGold A6479VT3	119.8	156.9	13.6	57.2	31390	74	84	32	2	70
B-H Genetics X9150G	119.6	.	14.0	58.6	28780	73	87	31	1	10
NK N77P-3000GT Brand	119.4	151.2	14.3	56.3	32050	75	80	32	1	40
Dekalb DKC61-05	119.2	.	13.7	60.1	34010	73	78	32	3	80
Channel 216-49VT3P	118.9	.	15.1	58.6	29430	75	77	28	3	30
REV 25HR39	118.6	152.3	14.3	58.6	28780	80	87	28	2	20
Pioneer 31D62 (YGCB,RR2)	117.0	.	14.7	59.3	31390	77	91	34	1	10
Armor 1545PRO	116.8	.	15.0	57.6	29430	75	81	29	1	30
AgriGold A6632VT3Pro	115.4	.	14.6	57.5	28120	74	70	25	1	30
AgriGold A6633VT3	115.4	152.2	15.3	55.5	30740	74	77	28	1	40
Delta Grow 2888	115.3	.	14.2	56.0	29430	77	84	30	2	50
Dekalb DKC64-03	114.9	.	13.3	58.8	28780	73	78	33	1	70
Channel 209-85VT3P	114.6	.	13.6	56.7	30740	74	77	29	2	80
Pioneer P1184HR	114.1	.	14.1	59.7	30740	75	85	30	2	20
AgriGold A6489VT3	114.0	149.0	13.8	55.3	30090	74	79	30	3	70
Dyna-Gro D57GT60	114.0	.	14.4	57.6	27470	74	85	32	2	50
Dekalb DKC68-05	113.7	.	14.4	57.9	32050	75	78	29	2	80
Dekalb DKC64-24	112.9	155.5	14.1	57.1	32050	72	71	26	2	80
Dekalb DKC62-54	111.6	145.3	13.5	59.3	28780	73	72	26	3	10
Dyna-Gro 57V59	110.1	.	13.8	55.7	28120	73	74	28	3	80
Dekalb DKC64-83	109.7	.	14.2	59.8	29430	74	78	27	3	60
Croplan 7505VT3/P	109.5	.	14.4	58.7	28780	73	81	31	1	50
Dyna-Gro D58VP99	108.4	.	13.7	58.6	26160	73	78	30	2	70
Croplan 6986VT3	107.4	142.7	13.6	58.6	26160	75	78	30	3	80
B-H Genetics X9149GBT11	107.3	.	14.1	57.6	28120	74	86	34	1	10
Delta Grow BP2827	106.9	.	13.9	59.5	26810	76	88	31	1	60
AgriGold A6639VT3	106.8	146.9	14.0	53.6	33350	75	77	29	2	70
Unity 7514 3000 GT	106.3	.	14.2	53.2	27470	74	93	32	2	60
Delta Grow 3988	105.2	.	13.8	55.9	31390	73	87	35	2	30
Armor BXG080GT	105.1	.	14.5	57.8	31390	73	86	31	2	60
Delta Grow 3788	103.9	.	14.5	49.3	32050	74	81	34	1	50
Dyna-Gro D55Q80	101.8	.	14.1	57.2	31390	74	84	30	1	70
NK N78B-GT Brand	98.9	.	13.9	55.2	32050	73	82	32	2	70
B-H Genetics BH 4920HX	97.4	.	15.5	58.1	29430	79	84	36	1	20
Dekalb DKC65-63	96.1	136.6	14.3	53.1	30090	73	73	29	2	80
Average	**123.2**	**.**	**14.3**	**57.2**	**30030**	**75**	**84**	**31**	**2**	**40**
CV %	**10**	**.**	**3**	**4**	**10**	**2**	**4**	**7**	**35**	**47**
LSD (P=0.10)	**15.0**	**.**	**0.8**	**3.8**	**NS**	**3**	**6**	**9**	**1**	**5**

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

Table 6. Summary of yield performance of corn hybrids at four locations in the 2010 LAES hybrid performance trials.

Brand/Hybrid	Alex	St. Joseph		Winn	Avg
		Commerce silt loam	Sharkey clay		
	----------yield, bu/a----------				
AgriGold A6479VT3	108.8	115.5	113.1	119.8	114.3
AgriGold A6489VT3	123.2	121.4	104.0	114.0	115.7
AgriGold A6533VT3	123.0	99.7	96.5	130.3	112.4
AgriGold A6632VT3Pro	126.7	106.8	93.2	115.4	110.5
AgriGold A6633VT3	123.3	96.8	82.3	115.4	104.5
AgriGold A6639VT3	123.3	92.6	117.9	106.8	110.2
AgriGold A6839	135.6	114.5	117.6	122.2	122.5
Armor 1161PRO	140.1	115.0	125.0	120.5	125.2
Armor 1511C	138.3	110.3	101.9	122.0	118.1
Armor 1539PRO	119.1	118.7	108.8	157.2	126.0
Armor 1545PRO	122.5	75.1	110.3	116.8	106.2
Armor 1655PRO	137.4	132.1	120.2	131.0	130.2
Armor 1868PRO	109.0	91.7	106.2	134.5	110.4
Armor BXC028VT3	143.3	112.9	124.3	127.4	127.0
Armor BXG080GT	140.1	118.3	104.5	105.1	117.0
B-H Genetics BH 4920HX	128.6	128.6	114.7	97.4	117.3
B-H Genetics BH 8895VTTP	135.1	111.6	102.0	139.4	122.0
B-H Genetics X9149GBT11	132.8	88.4	93.4	107.3	105.5
B-H Genetics X9150G	135.2	120.7	112.6	119.6	122.0
B-H Genetics X9151G	108.8	119.9	117.6	133.0	119.8
Channel 209-85VT3P	126.0	129.9	106.1	114.6	119.2
Channel 214-14VT3P	138.7	113.8	131.7	141.8	131.5
Channel 216-49VT3P	120.2	96.9	95.6	118.9	107.9
Croplan 6725VT3/P	133.4	127.3	107.6	119.8	122.0
Croplan 6831RHXT	134.3	110.8	103.7	127.5	119.1
Croplan 6986VT3	120.1	102.9	91.6	107.4	105.5
Croplan 7131VT3	129.2	99.1	78.2	123.0	107.4
Croplan 7505VT3/P	128.9	96.0	99.9	109.5	108.6
Croplan 8505VT3/P	146.8	130.0	117.0	141.7	133.9
Croplan 851VT3/P	137.6	112.1	114.2	133.7	124.4
Croplan 8756VT3	123.6	104.7	118.6	124.7	117.9
Dekalb DKC61-05	136.2	110.1	86.2	119.2	112.9
Dekalb DKC62-54	123.5	96.9	101.0	111.6	108.3
Dekalb DKC62-97	134.6	98.3	110.5	120.4	116.0
Dekalb DKC64-03	126.4	107.6	114.4	114.9	115.8
Dekalb DKC64-24	130.2	105.2	112.9	112.9	115.3
Dekalb DKC64-69	134.5	79.4	97.4	145.7	114.3
Dekalb DKC64-83	129.4	95.8	93.2	109.7	107.0
Dekalb DKC65-44	132.2	111.0	113.9	122.1	119.8
Dekalb DKC65-63	117.1	86.1	65.3	96.1	91.2
Dekalb DKC66-96	141.7	126.0	120.4	122.8	127.7
Dekalb DKC67-21	118.7	112.0	117.0	132.9	120.2
Dekalb DKC67-88	137.1	105.9	115.1	157.3	128.9

Dekalb DKC68-05	146.3	133.5	110.5	113.7	126.0
Delta Grow 2888	134.6	114.8	119.1	115.3	121.0
Delta Grow 3788	134.7	111.7	115.9	103.9	116.6
Delta Grow 3988	137.7	107.4	109.8	105.2	115.0
Delta Grow BP2827	132.0	116.2	123.0	106.9	119.5
Dyna-Gro 57V05	123.8	100.9	108.0	126.2	114.7
Dyna-Gro 57V21	138.5	102.4	97.9	120.0	114.7
Dyna-Gro 57V44	120.7	77.2	85.8	125.6	102.3
Dyna-Gro 57V59	122.7	97.0	106.6	110.1	109.1
Dyna-Gro 58V69	112.0	71.9	93.6	144.9	105.6
Dyna-Gro 58V72	121.2	106.4	98.4	142.7	117.2
Dyna-Gro D55Q80	130.0	114.9	111.5	101.8	114.6
Dyna-Gro D56VP24	144.7	115.8	124.9	133.0	129.6
Dyna-Gro D57GT60	134.3	115.9	123.0	114.0	121.8
Dyna-Gro D58VP99	124.4	122.4	94.0	108.4	112.3
Dyna-Gro V5373VT3	133.3	93.1	94.9	121.0	110.6
Dyna-Gro V5683VT3	130.2	110.8	114.3	144.8	125.0
Golden Acres 26V21	147.5	108.3	111.3	126.6	123.4
Golden Acres 26V31	125.8	113.0	95.1	132.3	116.6
Golden Acres 27V01	124.1	115.5	126.8	136.4	125.7
Golden Acres 28V81	138.6	117.3	115.2	139.7	127.7
NK N77P-3000GT Brand	128.3	89.9	99.3	119.4	109.2
NK N78B-GT Brand	130.9	119.0	106.2	98.9	113.8
NK N78N-3000GT Brand	137.1	125.2	120.3	122.3	126.2
NK N78S-CB/LL Brand	126.6	113.1	90.4	126.3	114.1
NK N82V-3000GT Brand	156.9	122.9	133.5	129.1	135.6
Pioneer 31D62 (YGCB,RR2)	126.1	106.1	119.2	117.0	117.1
Pioneer 31P42 (HX1,LL,RR2)	118.2	98.1	106.1	133.8	114.1
Pioneer 33F87 (HX1,LL,RR2)	125.6	117.9	120.3	124.8	122.2
Pioneer P1184HR	131.0	129.2	109.6	114.1	121.0
Pioneer P1389HR	139.3	118.7	107.3	134.6	125.0
Pioneer P1615HR	124.8	130.9	125.4	132.1	128.3
Pioneer P1745HR	126.7	115.2	121.5	128.3	122.9
Pioneer P2023HR	128.9	106.3	110.4	140.2	121.5
REV 25HR39	134.7	112.5	112.1	118.6	119.5
REV 25HR49	130.4	111.8	106.5	123.8	118.1
REV 25R19	131.5	108.0	116.4	127.0	120.7
REV 25R29	135.1	94.4	116.1	120.0	116.4
REV 26HR50	134.5	117.1	127.5	134.2	128.3
REV 28HR20	127.1	103.9	118.7	139.3	122.3
REV 28HR29	130.5	104.8	122.4	125.8	120.9
REV 28HR30	118.9	119.4	117.9	140.1	124.1
REV 28R10	130.5	119.6	128.7	136.5	128.8
REV 28R30	122.0	123.5	108.0	136.4	122.5
Unity 7514 3000 GT	123.7	134.3	119.2	106.3	120.9
Average	**129.9**	**109.5**	**109.2**	**123.2**	

Table 7. Seed traits and maturity for corn hybrids entered in the 2010 LAES corn hybrid performance trials.

Brand/Hybrid	Trans-genes[1] Insect resistance/herbicide tolerance	Seed treatment	Days to maturity
AgriGold A6479VT3	VT3	Maxim XL, Apron, Trilex, Poncho 250	113
AgriGold A6489VT3	VT3	Vortex, Allegiance, Trilex, Poncho 250	115
AgriGold A6533VT3	VT3	Vortex, Allegiance, Trilex, Poncho 250	115
AgriGold A6632VT3Pro	VT3Pro	Vortex, Allegiance, Trilex, Poncho 250	112
AgriGold A6633VT3	VT3	Maxim XL, Apron, Trilex, Poncho 250	112
AgriGold A6639VT3	VT3	Vortex, Allegiance, Trilex, Poncho 250	115
AgriGold A6839	Conventional	Vortex, Allegiance, Trilex, Poncho 250	119
Armor 1161PRO	VT3Pro	Vortex, Allegiance, Trilex, Poncho 250	111
Armor 1511C	Conventional	Maxim, Apron XL, Dynasty, Cruiser 250	115
Armor 1539PRO	VT3Pro	Vortex, Allegiance, Trilex, Poncho 250	116
Armor 1545PRO	VT3Pro	Vortex, Allegiance, Trilex, Poncho 250	115
Armor 1655PRO	VT3Pro	Vortex, Allegiance, Trilex, Poncho 250	116
Armor 1868PRO	VT3Pro	Vortex, Allegiance, Trilex, Poncho 250	118
Armor BXC028VT3	VT3	Maxim, Apron XL, Dynasty, Cruiser 250	116
Armor BXG080GT	RR	Maxim, Apron XL, Dynasty, Cruiser 250	117
B-H Genetics BH 4920HX	HX1	MaximXL, Actellic, Poncho 250	118
B-H Genetics BH 8895VTTP	VT3Pro	Vortex, Apron XL, Stratego, Poncho 250	118
B-H Genetics X9149GBT11	GT/BT11	MaximXL, Actellic, Poncho 250	115
B-H Genetics X9150G	GT	MaximXL, Actellic, Poncho 250	116
B-H Genetics X9151G	GT	MaximXL, Actellic, Poncho 250	115
Channel 209-85VT3P	GenVT3Pro	Vortex, Apron XL, Stratego, Poncho 250	109
Channel 214-14VT3P	GenVT3Pro	Vortex, Apron XL, Stratego, Poncho 250	114
Channel 216-49VT3P	GenVT3Pro	Vortex, Apron XL, Stratego, Poncho 250	116
Croplan 6725VT3/P	VT3Pro	Maxim, Apron XL, Dynasty, Cruiser 250	113
Croplan 6831RHXT	RHXT	Maxim, Apron XL, Dynasty, Cruiser 250	112
Croplan 6986VT3	VT3	Maxim, Apron XL, Dynasty, Cruiser 250	113
Croplan 7131VT3	VT3	Maxim, Apron XL, Dynasty, Cruiser 250	115
Croplan 7505VT3/P	VT3Pro	Maxim, Apron XL, Dynasty, Cruiser 250	115
Croplan 8505VT3/P	VT3Pro	Maxim, Apron XL, Dynasty, Cruiser 250	117
Croplan 851VT3/P	VT3Pro	Maxim, Apron XL, Dynasty, Cruiser 250	117
Croplan 8756VT3	VT3	Maxim, Apron XL, Dynasty, Cruiser 250	118
Dekalb DKC61-05	GenVT3Pro	Vortex, Apron XL, Stratego, Poncho 250	111
Dekalb DKC62-54	VT3	Poncho 250	112
Dekalb DKC62-97	GenVT3Pro	Vortex, Apron XL, Stratego, Poncho 250	112
Dekalb DKC64-03	GenVT3Pro	Vortex, Apron XL, Stratego, Poncho 250	114
Dekalb DKC64-24	VT3	Poncho 250	114
Dekalb DKC64-69	GenVT3Pro	Vortex, Apron XL, Stratego, Poncho 250	114
Dekalb DKC64-83	GenVT3Pro	Vortex, Apron XL, Stratego, Poncho 250	114
Dekalb DKC65-44	VT3	Poncho 250	115
Dekalb DKC65-63	VT3	Poncho 250	115
Dekalb DKC66-96	GenVT3Pro	Vortex, Apron XL, Stratego, Poncho 250	116
Dekalb DKC67-21	GenVT3Pro	Vortex, Apron XL, Stratego, Poncho 250	117
Dekalb DKC67-88	GenVT3Pro	Vortex, Apron XL, Stratego, Poncho 250	117
Dekalb DKC68-05	GenVT3Pro	Vortex, Apron XL, Stratego, Poncho 250	118
Delta Grow 2888	GT	Poncho 250	118
Delta Grow 3788	GT/BT11	Poncho 250	116
Delta Grow 3988	GT	Poncho 250	116
Delta Grow BP2827	Conventional	Poncho 250	116
Dyna-Gro 57V05	VT3	Trilex, Poncho 250	115
Dyna-Gro 57V21	VT3	Trilex, Poncho 250	115
Dyna-Gro 57V44	VT3	Trilex, Poncho 250	111
Dyna-Gro 57V59	VT3	Trilex, Poncho 250	114
Dyna-Gro 58V69	VT3	Trilex, Poncho 250	119
Dyna-Gro 58V72	VT3	Trilex, Poncho 250	116

Dyna-Gro D55Q80	3000GT	Trilex, Cruiser 250	115
Dyna-Gro D56VP24	VT3Pro	Trilex, Poncho 250	116
Dyna-Gro D57GT60	GT	Trilex, Cruiser 250	117
Dyna-Gro D58VP99	VT3Pro	Trilex, Poncho 250	118
Dyna-Gro V5373VT3	VT3	Trilex, Poncho 250	113
Dyna-Gro V5683VT3	VT3	Trilex, Poncho 250	116
Golden Acres 26V21	VT3Pro	Vortex, Allegiance, Trilex, Poncho 250	115
Golden Acres 26V31	VT3Pro	Vortex, Allegiance, Trilex, Poncho 250	115
Golden Acres 27V01	VT3Pro	Vortex, Allegiance, Trilex, Poncho 250	117
Golden Acres 28V81	VT3Pro	Vortex, Allegiance, Trilex, Poncho 250	118
NK N77P-3000GT Brand	3000GT	Maxim XL, Apron, Dynasty, Cruiser 500	114
NK N78B-GT Brand	GT	Maxim XL, Apron, Dynasty, Cruiser 500	119
NK N78N-3000GT Brand	3000GT	Maxim XL, Apron, Dynasty, Cruiser 500	118
NK N78S-CB/LL Brand	Bt11/LL	Maxim XL, Apron, Dynasty, Cruiser 500	116
NK N82V-3000GT Brand	3000GT	Maxim XL, Apron, Dynasty, Cruiser 500	117
Pioneer 31D62 (YGCB,RR2)	Bt1/RR2	Maxim XL, Apron, Dynasty, Cruiser 250	120
Pioneer 31P42 (HX1,LL,RR2)	HX1/RR2	Maxim XL, Apron, Dynasty, Cruiser 250	119
Pioneer 33F87 (HX1,LL,RR2)	HX1/RR2	Maxim XL, Apron, Dynasty, Cruiser 250	114
Pioneer P1184HR	HX1/RR2	Maxim XL, Apron, Dynasty, Cruiser 250	111
Pioneer P1389HR	HX1/RR2	Maxim XL, Apron, Dynasty, Cruiser 250	113
Pioneer P1615HR	HX1/RR2	Maxim XL, Apron, Dynasty, Cruiser 250	116
Pioneer P1745HR	HX1/RR2	Maxim XL, Apron, Dynasty, Cruiser 250	117
Pioneer P2023HR	HX1/RR2	Maxim XL, Apron, Dynasty, Cruiser 250	120
REV 25HR39	HX1/RR2	Maxim XL, Apron, Dynasty, Raxil, Cruiser 250	115
REV 25HR49	HX1/RR2	Maxim XL, Apron, Dynasty, Raxil, Cruiser 250	115
REV 25R19	RR2	Maxim XL, Apron, Dynasty, Raxil, Cruiser 250	115
REV 25R29	RR2	Maxim XL, Apron, Dynasty, Raxil, Cruiser 250	115
REV 26HR50	HX1/RR2	Maxim XL, Apron, Dynasty, Raxil, Cruiser 250	116
REV 28HR20	HX1/RR2	Maxim XL, Apron, Dynasty, Raxil, Cruiser 250	118
REV 28HR29	HX1/RR2	Maxim XL, Apron, Dynasty, Raxil, Cruiser 250	118
REV 28HR30	HX1/RR2	Maxim XL, Apron, Dynasty, Raxil, Cruiser 250	118
REV 28R10	RR2	Maxim XL, Apron, Dynasty, Raxil, Cruiser 250	118
REV 28R30	RR2	Maxim XL, Apron, Dynasty, Raxil, Cruiser 250	118
Unity 7514 3000 GT	3000GT	Vortex, Apron XL, Stratego, Poncho 250	114

[1]VT3 – RR2, Bt1, Bt2 (corn stalk borers, corn rootworm)
VT3Pro – RR2, Bt1, Bt2 (corn stalk borers, corn rootworm, corn earworm)
GenVT3Pro – RR2, Bt1, Bt2 (corn stalk borers, corn rootworm, corn earworm, fall armyworm)
HX1 – LL, corn stalk borers, fall army worm
HXXT – HX1 plus corn rootworm
RHXT – RR plus HXXT
GT – Glyphosate tolerant
Bt11 – LL, corn stalk borers
3000GT – LL, GT, corn stalk borers, corn rootworm

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 8. List of participating seed companies and hybrids tested in the LAES 2010 corn hybrid performance trials.

Company	Hybrids
AgriGold Hybrids RR1, P.O. Box 203 St. Francisville, IL 62460-9989	AgriGold A6479VT3, AgriGold A6489VT3, AgriGold A6533VT3, AgriGold A6632VT3Pro, AgriGold A6633VT3, AgriGold A6639VT3, AgriGold A6839
Belle Southern Hybrids P.O. Box 178 Fisher, AR 72429	Armor 1161PRO, Armor 1511C, Armor 1539PRO, Armor 1545PRO, Armor 1655PRO, Armor 1868PRO, Armor BXC028VT3, Armor BXG080GT
B-H Genetics 5933 FM 1157 Ganada, TX 77962	B-H Genetics BH 4920HX, B-H Genetics BH 8895VTTP, B-H Genetics X9149GBT11, B-H Genetics X9150G, B-H Genetics X9151G
Channel 1613 N Columbia Ave. Seward, NE 68434	Channel 209-85VT3P, Channel 214-14VT3P, Channel 216-49VT3P
Croplan Genetics P.O. Box 64281, MS5850 St. Paul, MN 55164-0281	Croplan 6725VT3/P, Croplan 6831RHXT, Croplan 6986VT3, Croplan 7131VT3, Croplan 7505VT3/P, Croplan 8505VT3/P, Croplan 851VT3/P, Croplan 8756VT3
Crop Production Services 417 Danner Dr. Marion, AR 72364	Dyna-Gro 57V05, Dyna-Gro 57V21, Dyna-Gro 57V44, Dyna-Gro 57V59, Dyna-Gro 58V69, Dyna-Gro 58V72, Dyna-Gro D55Q80, Dyna-Gro D56VP24, Dyna-Gro D57GT60, Dyna-Gro D58VP99, Dyna-Gro V5373VT3, Dyna-Gro V5683VT3
Delta Grow Seed 220 NW 2nd P.O. Box 219 England, AR 72046	Delta Grow 2888, Delta Grow 3788, Delta Grow 3988, Delta Grow BP2827
Golden Acres Genetics P.O. Box 579 Buchanan Dam, TX 78609	Golden Acres 26V21, Golden Acres 26V31, Golden Acres 27V01, Golden Acres 28V81

Monsanto Company 800 N. Lindberg Blvd. St. Louis, MO 63167	Dekalb DKC61-05, Dekalb DKC62-54, Dekalb DKC62-97, Dekalb DKC64-03, Dekalb DKC64-24, Dekalb DKC64-69, Dekalb DKC64-83, Dekalb DKC65-44, Dekalb DKC65-63, Dekalb DKC66-96, Dekalb DKC67-21, Dekalb DKC67-88, Dekalb DKC68-05
Pioneer Hi-Bred International, Inc. 700 Boulevard South – Suite 302 Huntsville, AL 35802	Pioneer 31D62 (YGCB, RR2), Pioneer 31P42 (HX1, LL, RR2), Pioneer 33F87 (HX1, LL, RR2), Pioneer P1184HR, Pioneer P1389HR, Pioneer P1615HR, Pioneer P1745HR, Pioneer P2023HR
Syngenta Seed 7500 Olson Memorial Hwy. Golden Valley, MN 55427	NK N77P-3000GT Brand, NK N78B-GT Brand, NK N78N-3000GT Brand, NK N78S-CB/LL Brand, NK N82V-3000GT Brand
Terral Seed, Inc. 604 Blount St. Lake Providence, LA 71254	REV 25HR39, REV 25HR49, REV 25R19, REV 25R29, REV 26HR50, REV 28HR20, REV 28HR29, REV 28HR30, REV 28R10, REV 28R30
Unity Seeds 3451 Wyndham Way, Suite A West Lafayette, IN 47906	Unity 7514 3000 GT