

Corn Grain Hybrid Tests in Tennessee

2014

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Variety test results are posted on UT's website at:

**<http://varietytrials.tennessee.edu/>
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County Standard Corn Tests

Coordinator: **Robert C. Williams, Jr.**, Area Specialist, Grain Crops

<u>County</u>	<u>Producer</u>	<u>Agent</u>
<u>Early Season Corn Hybrid Test (RR and Stacked)</u>		
<i>Ballard, KY</i>	JAP Farms	Bob Middleton
Coffee	Robert Gilley	Steve Harris
Crockett	Steve & Drew Bailey	Richard Buntin
Dyer	Carl & Marvin Schultz	Tim Campbell
Fayette	Ames Plantation	Jeff Via
Franklin/Grundy	Myron & David Denton	Ed Burns/Creig Kimbro
<i>Fulton, KY</i>	Johnson Linder	Ben Mullins
Gibson	Denton Clay Parkins	Philip Shelby
Giles	Pat Sulcer	Kevin Rose
Henry (1)	Caleb Brannon Farms	Ranson Goodman
Henry (2)	Tosh Farms	Ranson Goodman
Lauderdale	Bill Parker	J.C. Dupree
Madison	Chris Street	Jake Mallard
Obion	Rance Barnes	Tim Smith
Weakley	David Oliver	Jeff Lannom

<u>Medium Season Corn Hybrid Test (RR & Stacked)</u>		
<i>Carlisle, KY</i>	Curtsinger Farms	Bob Middleton
Decatur	Stacy Vise	Sam Plank/Amanda Mathenia
Dyer	Carl & Marvin Schultz	Tim Campbell
Fayette	Mark McNabb	Jeff Via
Franklin/Grundy	Myron & David Denton	Ed Burns/Creig Kimbro
<i>Fulton, KY</i>	Johnson Linder	Ben Mullins
Gibson	Denton Clay Parkins	Philip Shelby
Haywood	Chester King	Walter Battle
Henry (1)	Caleb Brannon Farms	Ranson Goodman
Henry (2)	Tosh Farms	Ranson Goodman
Hickman	Clint and Claude Callicott	Troy Dugger
Lake	Terry Petty	Greg Allen
Madison	Matt Griggs	Jake Mallard
Montgomery	Todd Moore	Rusty Evans
Robertson	Freddie Edwards	Paul Hart
Shelby	Jerry Tolbert	Becky Muller
Weakley	David Oliver	Jeff Lannom

<u>Full Season Corn Hybrid Test (RR & Stacked)</u>		
Dyer	Carl & Marvin Schultz	Tim Campbell
Fayette	Mark McNabb	Jeff Via
Franklin/Grundy	Myron & David Denton	Ed Burns/Creig Kimbro
<i>Fulton, KY</i>	Johnson Linder	Ben Mullins
Gibson	Denton Clay Parkins	Philip Shelby
Henry (1)	Jarred & Autum Barker	Ranson Goodman
Henry (2)	Tosh Farms	Ranson Goodman
Lake	Hopper Farms	Greg Allen

County Standard Corn Tests

Coordinator: **Robert C. Williams, Jr.**, Area Specialist, Grain Crops

<u>County</u>	<u>Producer</u>	<u>Agent</u>
<u>Full Season Corn Hybrid Test (RR & Stacked), continued</u>		
Lauderdale	Justin Brown	J.C. Dupree
Madison	David Martin	Jake Mallard
Obion	Scott & David Wisener	Tim Smith
Shelby	Jerry Tolbert	Becky Muller
Tipton	Arnold McIntyre	Becky Muller
Weakley	Brian Garner	Jeff Lannom

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CORN GRAIN VARIETY TESTS IN TENNESSEE

RESEARCH AND EDUCATION CENTER TESTS

2014

Experimental Procedures:

Research and Education Center Tests: All corn hybrid trials were conducted in each of the physiographic regions of the state. Tests were conducted at the Ames Plantation (Grand Junction), Highland Rim (Springfield), East TN (Knoxville), and Milan (Milan) Research and Education Centers (**REC**). The Early and Medium-season tests were also planted at the Agricenter International Research Center (Memphis).

Duplicate plantings of the early-, medium- and full-season tests were made at the **Milan and Highland Rim Research and Education Centers** for performance testing **with and without irrigation**.

The corn hybrids were placed in either the **early-, medium-, or full-season tests** based on the maturity as reported by the company providing the hybrid. The early season test contained hybrids that had maturity <114 days after planting (DAP); the medium season test contained hybrids with maturity of 114-116 DAP; and the full season test contained hybrids with maturities >116 DAP. All corn hybrid trials were planted to uniform populations per acre at each location using a precision seeding planter. Population goals of 32,000 plants per acre for irrigated plots and 30,000 plants per acre for non-irrigated plots were attempted at all locations. Populations varied with location but attempts were made to make the population the same for all hybrids at a given location (Table 1). Tests were conducted using 30 inch row spacing. The tests were fertilized with 150 pounds of nitrogen per acre. A portion of the nitrogen was applied prior to seeding and the remainder was applied as a side-dress. The plot size was two rows, 30 feet in length. Plots were replicated three times at each location. An incomplete block design was used at each location in order to reduce the within replication variation.

County Standard Tests: The County Standard Corn Tests were conducted in 20 counties in Tennessee, and three counties in Western Kentucky. The number of counties depended on the test. The County Standard Tests were divided into **early-, medium-, and full-season glyphosate resistant and Bt stacked trait tests** (same DAP criteria as listed above; some entries were stacked with Bt resistance genes). Each hybrid was evaluated in a large strip-plot at each location, thus **each county test was considered as one replication of the test** in calculating the overall average yield and in conducting the statistical analysis to determine significant differences. At each location, plots were planted, sprayed, fertilized, and harvested with the equipment used in the cooperating producer's farming operation. The width and length of strip-plots were different in each county; however, within a location in a county, the strips were trimmed on the ends so that the lengths were the same for each variety, or if the lengths were different then the harvested length was measured for each variety and appropriate harvested area adjustments were made to determine the yield per acre.

Growing Season: The 2014 growing season was characterized by a wet spring which delayed planting. By mid-May, drier weather allowed for a rapid return to planting schedules and 87% of corn had been planted, an 11% increase over the five-year average. Persistent rains early in the season resulted in early tasseling in corn. By mid-August, seventy-seven percent of the crop rated good to excellent. Corn harvest timing was slightly ahead of the five year average, with 82% of corn for grain harvested by mid-October. According to the Tennessee Agricultural Statistics Service, producers planted 880,000 acres this year, a decrease of 200,000 from 2013. Acreage harvested for grain is projected to be 820,000 acres, down 15,000 acres from last season. Corn grain production for 2014 is projected to be 131.2 million bushels, averaging 160 bu/a, an increase of 2.6 percent from the previous year.

Interpretation of Data:

The tables on the following pages have been prepared with the entries listed in order of overall average performance across locations, the highest-yielding entry being listed first. **All yields presented have been adjusted to 15.5% moisture.** At the bottom of the tables, **LSD** values stand for **Least Significant Difference**. The mean yields of any two varieties being compared must differ by at least the amount shown to be considered different in yielding ability at the 5% level of probability of significance. For example, given that the LSD for a test is 8.0 bu/a and the mean yield of Hybrid A was 110 bu/a and the mean yield of Hybrid B was 115 bu/a, then the two hybrids are not statistically different in yield because the difference of 5 bu/a is less than the minimum of 8 bu/a required for them to be significant. Similarly, if the average yield of Hybrid C was 123 bu/a then it is significantly higher yielding than both Hybrid B ($123 - 115 = 8$ bu/a = LSD of 8) and Hybrid A ($123 - 110 = 13$ bu/a > LSD of 8).

Also, the **coefficient of variation (C.V.)** values are shown at the bottom of each table. This value is a measure of the error variability found within each experiment. It is the percentage that the square root of error variance is of the overall test mean yield at that location. For example, a C.V. of 10% indicates that the size of the error variation is about 10% of the size of the test mean. Similarly, a C.V. of 30% indicates that the size of the error variation is nearly one-third as large as the test mean. A goal in conducting each yield test is to keep the C.V. as low as possible, preferably below 20 percent.

RESULTS

Yield and Agronomic Traits. One hundred and twenty-five corn hybrids were evaluated in the 2014 **Research and Education Center (REC)** tests in Tennessee. There were 54 hybrids in the early- (Tables 2-7), 47 in the medium- (Tables 8-13), and 24 hybrids in the full-season (Tables 14-19). The 125 hybrids represent 17 different brands (Table 27). The **County Standard (CS)** tests consisted of a early-season glyphosate resistant and Bt stacked trait test (29 hybrids at 14 locations, Table 20), a medium-season glyphosate resistant and Bt stacked trait test (29 hybrids at 16 locations, Table 21), and a full-season glyphosate resistant and Bt stacked trait test (13 hybrids at 13 locations, Table 22) for a total of 71 hybrids. In addition to Tennessee counties, the County Standard tests involved Ballard, Carlisle, and Fulton counties in Western Kentucky. Common to both the REC and CS tests were 23 early-season, 16 medium-season, and seven full-season hybrids (Tables 23-25). Similar to the REC tests, in the CS tests all hybrids were placed in the maturity test for which they fit regardless of other traits associated with each entry.

One hundred sixteen of the 125 hybrids in the 2014 REC tests have a Bt gene for Corn Borer resistance (denoted by Bt, YG, CB, YGCB, HX, VT2, VT3); 28 have a gene for Corn Root Worm resistance (denoted by RW, VT3); 123 have a Roundup Ready gene for tolerance to glyphosate herbicide (denoted by R, RR, RR2,GT); 49 have a gene for tolerance to Liberty (glufosinate) herbicide (denoted by LL); two hybrids are conventional and contain no transgenes; seven hybrids contain a single transgene; 116 are stacked with combinations of RR, Bt, RW, LL. **VT2P, VT2Pro** or **PRO2** designation denotes resistance to glyphosate, corn borer, earworm and armyworm. **VT3P, VT3Pro** or **PRO3** designation denotes resistance to glyphosate, corn borer, rootworm, earworm and armyworm. **VIP** or **Viptera** designation denotes resistance to corn earworm, black cutworm, western bean cutworm, dingy cutworm and stalk borers. **SSX** and **SS** (SmartStax) designate resistance to glyphosate, glufosinate, European corn borer, Southwestern corn borer, Northern corn rootworm, Western corn rootworm, corn earworm, fall armyworm, Western bean cutworm and black cutworm.

Irrigated vs. Non-irrigated Yields. Duplicate tests were conducted at the Milan and Highland Rim Research and Education Centers with and without irrigation. Due to dry periods, particularly in portions of the Western part of the state, a difference in irrigated and non-irrigated corn tests was observed. The average

differences in yields across hybrids receiving irrigation versus non-irrigation at Milan were: 42 bu/a for early-season hybrids (Table 2), 54 bu/a for medium-season hybrids (Table 8), and 41 bu/a for full-season hybrids (Table 14). Results were similar at Highland Rim for early season hybrids, with a difference of 34 bu/a between irrigated and non-irrigated tests (Table 4), but showed even greater differences in the medium and full-season hybrids, with differences of 84 bu/a for medium-season hybrids (Table 11), and 83 bu/a for full-season hybrids (Table 14).

Table 1. Location information from research and education centers where the corn hybrid tests were conducted in Tennessee in 2014.

Research and Education Center	Location	Planting Date	Harvest Date	Plant Population	Soil Type
Early Season Corn Hybrids					
East Tennessee	Knoxville	April 17, 2014	September 16, 2014	24,485	Sequatchie Silt Loam
Highland Rim (irrigated)	Springfield	April 24, 2014	September 18, 2014	30,043	Dickson Silt Loam
" " (non-irrigated)	"	April 24, 2014	September 17, 2014	30,608	Staser Silt Loam
Milan (irrigated)	Milan	April 23, 2014	September 22, 2014	33,164	Loring, Memphis Silt Loam
" (non-irrigated)	"	April 22, 2014	September 23, 2014	30,179	Grenada Silt Loam
Ames Plantation	Grand Junction	May 5, 2014	September 30, 2014		Lexington Silt Loam
Agricenter International	Memphis	April 22, 2014	September 18, 2014	31,374	Falaya Silt Loam

Research and Education Center	Location	Planting Date	Harvest Date	Plant Population	Soil Type
Medium Season Corn Hybrids					
East Tennessee	Knoxville	April 17, 2014	September 17, 2014	22,923	Sequatchie Silt Loam
Highland Rim (irrigated)	Springfield	April 24, 2014	September 22, 2014	31,325	Mountview Silt Loam
" " (non-irrigated)	"	April 24, 2014	September 18, 2014	30,014	Mountview Silt Loam
Milan (irrigated)	Milan	April 23, 2014	September 22, 2014	33,146	Loring, Memphis Silt Loam
" (non-irrigated)	"	April 22, 2014	September 23, 2014	30,563	Grenada Silt Loam
Ames Plantation	Grand Junction	May 5, 2014	October 1, 2014		Lexington Silt Loam
Agricenter International	Memphis	April 22, 2014	September 18, 2014	31,843	Falaya Silt Loam

Research and Education Center	Location	Planting Date	Harvest Date	Plant Population	Soil Type
Full Season Corn Hybrids					
East Tennessee	Knoxville	April 17, 2014	September 17, 2014	22,781	Sequatchie Silt Loam
Highland Rim (irrigated)	Springfield	April 24, 2014	September 26, 2014	29,148	Sango Silt Loam
" " (non-irrigated)	"	April 24, 2014	September 23, 2014	30,432	Mountview Silt Loam
Milan (irrigated)	Milan	April 23, 2014	September 24, 2014	32,838	Grenada Silt Loam
" (non-irrigated)	"	April 22, 2014	September 24, 2014	30,771	Grenada Silt Loam
Ames Plantation	Grand Junction	May 5, 2014	October 1, 2014		Lexington Silt Loam

Table 2. Mean yields of 54 early-season (<114 DAP) corn hybrids evaluated in seven environments in Tennessee during 2014.

Brand	Hybrid §	Avg. Yield [†]	Springfield				Milan		AgCenter	
		± Std Err (n=7)	Knoxville	(Irr.)	(Non-Irr.)	(Irr.)	(Non-Irr.)	Ames	Memphis	
----- bu/a -----										
Agrigold	A6501VT2RIB	206 ± 4	211	197	151	277	229	219	157	
Augusta	A6664 (VT2P)	206 ± 4	211	198	163	291	232	205	139	
Terral-REV Brand	23BHR55 (RR/LL/YGCB/HX1)	204 ± 4	207	209	150	300	246	205	109	
Wyffels	W7806RIB (RR/VT2P)	203 ± 4	233	169	161	288	229	214	128	
LG SEEDS	LG2555VT3PRIB	203 ± 4	222	189	175	264	236	219	116	
Dekalb	DKC61-89 GENVT2P	203 ± 4	202	208	165	280	243	225	97	
LG SEEDS	LG5618STXRIB	202 ± 4	223	162	174	278	235	215	128	
Wyffels	W7736RIB (RR/VT2P)	201 ± 4	231	189	169	272	225	207	116	
Croplan	6640VT3P	201 ± 4	228	189	166	298	231	178	115	
Agrigold	A6499STXRIB	200 ± 4	233	191	156	268	221	199	130	
Armor	1330 (VT3P)	199 ± 4	214	184	167	278	232	208	109	
Agrigold	A6517VT3PRIB	199 ± 4	192	199	153	288	231	216	111	
AgriGold	A6488VT2RIB (RR)	198 ± 4	207	173	164	274	231	226	112	
Steyer	11103 VT2PRORIBC	198 ± 4	208	209	149	261	218	215	127	
LG Seeds	LG5607VT2RIB	198 ± 4	207	185	170	267	214	220	123	
Beck's XL Brand	6175AM (RR/LL/CB/RW)	198 ± 4	200	218	176	288	222	175	106	
Augusta	A5262 (GT/LL/CB)	198 ± 4	191	220	165	262	238	196	112	
Agrigold	A6472VT2RIB	196 ± 4	194	186	151	277	229	219	120	
Beck's Hybrids	6347VR (GT)	196 ± 4	200	199	152	275	231	196	120	
Agrigold	A6559VT2RIB	196 ± 4	203	183	143	294	230	207	112	
Steyer	11208 VT2PRORIBC	196 ± 4	192	207	144	263	230	213	123	
Beck's XL Brand	5828AM (RR/LL/CB)	196 ± 4	206	213	158	278	216	188	110	
Dekalb	DKC62-08 GENSS	195 ± 4	205	191	181	263	239	183	106	
Warren Seed	DS9212SSX	195 ± 4	207	195	170	250	233	214	97	
Armor	AXC2108	195 ± 4	207	183	159	278	219	211	109	
Armor	1262 (PRO2)	194 ± 4	192	179	163	265	235	216	107	
Dekalb	DKC62-77 (VT2P/RIB)	193 ± 4	213	191	169	245	224	206	102	
Terral-REV Brand	18BHR84 (RR/LL/YGCB/HX1)	192 ± 4	206	193	144	263	222	205	112	
Dyna-Gro	D52VC91 (VT2P)	191 ± 4	204	177	155	273	209	200	122	
Caverndale Farms	CF 834 VT2PRORIB	191 ± 4	189	207	145	261	210	196	131	
Great Lakes	6354VT3PRIB	191 ± 4	200	209	153	257	230	189	101	
Warren Seed	DS9610 (RR/CB/RW)	191 ± 4	199	191	151	268	221	215	91	
Armor	AXT4109 (PRO2)	191 ± 4	213	185	140	267	210	191	129	
Armor	AXT3111	190 ± 4	206	158	174	258	225	191	117	
Terral-REV Brand	17HR73 (RR/LL/HX1)	190 ± 4	198	186	159	238	220	195	131	

Table 2 (continued)

Brand	Hybrid §	Avg. Yield†	Springfield		Milan		AgCenter		
		± Std Err (n=7)	Knoxville	(Irr.)	(Non-Irr.)	(Irr.)	(Non-Irr.)	Ames	Memphis
		----- bu/a -----							
Augusta	A5658(GT/LL/CB)	189 ± 4	208	189	140	267	224	188	109
Caverndale Farms	CF 837 GTCBLL	188 ± 4	187	179	139	262	214	212	123
Croplan	6065VT3P	187 ± 4	190	196	141	266	221	183	111
NK Seed	N70J-3011A (GT/LL/CB/RW)	186 ± 4	178	196	161	260	224	163	123
Armor	AXT4113	186 ± 4	205	171	151	252	200	182	142
Armor	AXC4110 (SS)	186 ± 4	185	195	156	253	217	204	91
Mycogen	2V714 (RR2/LL/SSX)	185 ± 4	204	158	144	237	224	216	111
Warren Seed	DS9111SSX (RR/LL/SSX)	185 ± 4	209	175	136	250	230	190	104
AgriGold	A6524VT2RIB (RR)	185 ± 4	200	170	150	251	202	207	112
Armor	AXC3108	185 ± 4	202	182	150	261	212	196	90
Mycogen	2V777 (RR2/LL/SSX)	185 ± 4	187	198	134	246	214	190	123
Mycogen	MYCX13728 (RR/LL/SSX)	183 ± 5	225	201	97	240	208	212	100
Terral-REV Brand	22BHR43 (RR/LL/CB/HX1)	182 ± 4	203	153	161	270	222	196	70
Armor	1314 (PRO)	182 ± 4	187	190	155	235	205	209	92
Mycogen	MYCX13751 (RR/LL/SSX)	182 ± 4	187	187	140	240	206	211	100
Dekalb	DKC61-79 GENVT2PRIB	180 ± 4	185	179	160	248	210	196	80
Armor	0700 (PRO2)	179 ± 4	205	164	139	252	220	179	96
Steyer	11304 VT2PRORIBC	177 ± 4	206	173	147	241	208	176	86
AgriGold	A6533VT2RIB	173 ± 4	180	192	135	257	208	162	79
	Avg. (bu/a)	192	203	188	154	265	223	201	111
	L.S.D._{.05} (bu/a)	10	24	31	29	25	18	34	33
	C.V. (%)	8.8	7.3	10.0	11.2	5.8	4.9	10.5	16.6

†All Yields are adjusted to 15.5% moisture.

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Southwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

Table 3. Overall mean yields and agronomic characteristics of 54 early-season corn hybrids evaluated in seven environments in Tennessee during 2014.

Brand	Hybrid §	Avg. Yield [†]	Moisture	Test	Plant	Ear	Protein	Oil	Starch
		± Std Error (n=7)	at Harvest (n=7)	Weight (n=2)	Height [‡] (n=3)	Height [‡] (n=3)			
		bu/a	%	lbs/bu	in.	in.	%	%	%
Agrigold	A6501VT2RIB	206 ± 4	19.7	58.5	98	36	6.7	4.4	61.6
Augusta	A6664 (VT2P)	206 ± 4	20.0	57.7	94	34	7.1	4.3	61.4
Terral-REV Brand	23BHR55 (RR/LL/YGCB/HX1)	204 ± 4	18.8	57.8	103	38	6.3	3.8	62.6
Wyffels	W7806RIB (RR/VT2P)	203 ± 4	20.0	58.7	101	36	6.9	4.4	61.5
LG SEEDS	LG2555VT3PRIB	203 ± 4	17.9	57.3	102	36	7.1	4.3	61.4
Dekalb	DKC61-89 GENVT2P	203 ± 4	16.9	58.5	98	36	6.9	4.0	62.3
LG SEEDS	LG5618STXRIB	202 ± 4	19.5	58.3	91	36	6.9	4.3	61.8
Wyffels	W7736RIB (RR/VT2P)	201 ± 4	19.9	57.6	97	35	6.8	4.3	61.8
Croplan	6640VT3P	201 ± 4	19.3	58.4	98	37	7.1	4.3	61.6
Agrigold	A6499STXRIB	200 ± 4	20.0	57.0	91	35	6.9	4.4	61.9
Armor	1330 (VT3P)	199 ± 4	18.3	58.7	103	37	6.7	4.0	62.3
Agrigold	A6517VT3PRIB	199 ± 4	17.3	56.9	94	34	7.1	4.3	61.5
AgriGold	A6488VT2RIB (RR)	198 ± 4	18.8	58.3	91	35	7.2	4.1	61.6
Steyer	11103 VT2PRORIBC	198 ± 4	18.2	58.2	97	35	7.0	4.3	61.3
LG Seeds	LG5607VT2RIB	198 ± 4	18.6	58.9	95	36	6.9	3.9	61.9
Beck's XL Brand	6175AM (RR/LL/CB/RW)	198 ± 4	18.5	58.4	108	39	7.2	4.3	61.3
Augusta	A5262 (GT/LL/CB)	198 ± 4	18.9	55.4	104	40	7.2	4.0	62.1
Agrigold	A6472VT2RIB	196 ± 4	18.8	58.3	99	38	7.4	4.3	61.3
Beck's Hybrids	6347VR (GT)	196 ± 4	19.3	58.3	98	37	6.9	4.1	62.0
Agrigold	A6559VT2RIB	196 ± 4	18.0	58.6	98	38	6.8	3.9	62.6
Steyer	11208 VT2PRORIBC	196 ± 4	18.5	58.3	98	37	7.4	4.1	61.4
Beck's XL Brand	5828AM (RR/LL/CB)	196 ± 4	17.9	57.8	98	37	6.9	4.0	62.3
Dekalb	DKC62-08 GENSS	195 ± 4	18.4	57.5	92	37	6.8	4.1	61.9
Warren Seed	DS9212SSX	195 ± 4	17.9	57.8	97	38	7.4	4.2	61.5
Armor	AXC2108	195 ± 4	16.4	59.2	93	35	7.1	4.0	62.2
Armor	1262 (PRO2)	194 ± 4	18.1	58.8	102	36	6.6	4.2	62.1
Dekalb	DKC62-77 (VT2P/RIB)	193 ± 4	18.3	58.5	96	35	6.9	3.9	62.0
Terral-REV Brand	18BHR84 (RR/LL/YGCB/HX1)	192 ± 4	18.1	58.0	98	34	6.8	4.0	62.4
Dyna-Gro	D52VC91 (VT2P)	191 ± 4	19.2	59.2	96	33	7.1	4.4	61.6
Caverndale Farms	CF 834 VT2PRORIB	191 ± 4	19.6	58.4	92	32	7.0	4.2	61.8
Great Lakes	6354VT3PRIB	191 ± 4	18.6	57.1	94	32	6.7	4.3	61.6
Warren Seed	DS9610 (RR/CB/RW)	191 ± 4	18.5	55.6	95	37	7.1	4.3	61.7
Armor	AXT4109 (PRO2)	191 ± 4	18.1	58.8	98	35	6.8	4.2	62.1
Armor	AXT3111	190 ± 4	18.3	58.5	98	36	7.2	4.3	61.4
Terral-REV Brand	17HR73 (RR/LL/HX1)	190 ± 4	17.1	58.6	103	39	7.4	3.7	62.4

Table 3 (continued)

Brand	Hybrid §	Avg. Yield [†]	Moisture	Test	Plant	Ear	Protein	Oil	Starch
		± Std Error (n=7)	at Harvest (n=7)	Weight (n=1)	Height (n=3)	Height (n=3)	(n=1)	(n=1)	(n=1)
		bu/a	%	lbs/bu	in.	in.	%	%	%
Augusta	A5658(GT/LL/CB)	189 ± 4	18.1	57.9	94	35	7.2	4.2	62.0
Caverndale Farms	CF 837 GTCBLL	188 ± 4	20.1	56.9	105	43	7.2	4.0	62.1
Croplan	6065VT3P	187 ± 4	17.9	58.3	103	40	7.5	4.1	61.6
NK Seed	N70J-3011A (GT/LL/CB/RW)	186 ± 4	18	58.2	100	38	7.4	4.3	61.6
Armor	AXT4113	186 ± 4	17.8	59.4	95	36	7.5	4.2	61.6
Armor	AXC4110 (SS)	186 ± 4	17	58.6	94	34	7.0	3.9	62.0
Mycogen	2V714 (RR2/LL/SSX)	185 ± 4	18	57.3	93	37	7.2	4.1	61.9
Warren Seed	DS9111SSX (RR/LL/SSX)	185 ± 4	17.9	58.2	96	38	7.0	4.0	61.8
AgriGold	A6524VT2RIB (RR)	185 ± 4	19.5	58.2	96	35	7.0	4.3	61.7
Armor	AXC3108	185 ± 4	18.2	58.8	95	34	7.3	4.1	61.8
Mycogen	2V777 (RR2/LL/SSX)	185 ± 4	18.1	57	98	40	7.4	4.3	61.1
Mycogen	MYCX13728 (RR/LL/SSX)	183 ± 5	18.3	56.2	92	34	7.1	4.2	61.2
Terral-REV Brand	22BHR43 (RR/LL/CB/HX1)	182 ± 4	18.5	59.6	106	40	7.2	3.8	62.0
Armor	1314 (PRO)	182 ± 4	17.8	58.5	95	35	7.3	3.9	62.1
Mycogen	MYCX13751 (RR/LL/SSX)	182 ± 4	18.6	57.5	93	34	7.3	3.9	62.3
Dekalb	DKC61-79 GENVT2PRIB	180 ± 4	17.9	58.3	93	33	7.4	3.8	61.9
Armor	0700 (PRO2)	179 ± 4	16.9	59.1	94	34	7.2	4.2	61.4
Steyer	11304 VT2PRORIBC	177 ± 4	17.8	59.5	97	36	7.5	4.1	61.8
AgriGold	A6533VT2RIB	173 ± 4	17.5	58.3	95	33	6.6	4.1	62.2
Average		192	18.4	58.1	97.1	36.1	7.1	4.1	61.8

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Southwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

Protein, Oil, and Starch on a dry weight basis

[†]All Yields are adjusted to 15.5% moisture.

[‡]Average of Knoxville and Springfield.

Table 4. Mean yields of 26 early-season (<114 DAP) corn hybrids evaluated in seven environments for two years (2013-2014) in Tennessee.

Brand	Hybrid §	Avg. Yield [†]	Springfield		Milan		Ames	AgCenter Memphis	
		± Std Err (n=12)	Knoxville	(Irr.)	(Non-Irr.)	(Irr.)			(Non-Irr.)
		----- bu/a -----							
Croplan	6640VT3P	212 ± 3	213	186	186	293	252	180	175
Agrigold	A6501VT2RIB	211 ± 3	195	196	179	272	244	203	190
LG SEEDS	LG5618STXRIB	211 ± 3	208	184	178	272	242	209	185
Augusta	A5262 (GT/LL/CB)	210 ± 3	188	208	189	262	247	207	167
Augusta	A5658(GT/LL/CB)	209 ± 3	215	188	184	265	245	196	171
Agrigold	A6559VT2RIB	208 ± 3	199	186	168	283	246	202	174
Agrigold	A6499STXRIB	208 ± 3	219	192	176	260	237	195	180
Dekalb	DKC62-08 GENSS	208 ± 3	198	197	189	258	256	185	171
Armor	1262 (PRO2)	208 ± 3	191	181	195	273	243	209	163
Terral-REV Brand	18BHR84 (RR/LL/YGCB/HX1)	207 ± 3	201	203	178	255	235	209	171
Steyer	11208 VT2PRORIBC	207 ± 3	188	205	179	260	243	198	173
Steyer	11103 VT2PRORIBC	206 ± 3	191	209	177	253	230	199	186
LG SEEDS	LG2555VT3PRIB	206 ± 3	193	178	186	260	249	200	178
Dyna-Gro	D52VC91 (VT2P)	203 ± 3	193	180	181	264	235	202	167
Warren Seed	DS9610 (RR/CB/RW)	203 ± 3	184	187	173	264	240	209	163
Caverndale Farms	CF 834 VT2PRORIB	203 ± 3	193	195	167	258	241	190	176
Agrigold	A6472VT2RIB	203 ± 3	192	183	166	261	239	204	172
Warren Seed	DS9212SSX	202 ± 3	191	196	175	249	233	207	164
Warren Seed	DS9111SSX (RR/LL/SSX)	201 ± 3	196	194	171	252	237	188	172
Agrigold	A6517VT3PRIB	201 ± 3	186	202	162	269	238	194	155
Terral-REV Brand	17HR73 (RR/LL/HX1)	200 ± 3	195	180	190	241	227	192	175
Mycogen	2V714 (RR2/LL/SSX)	199 ± 3	188	175	182	244	232	197	175
Great Lakes	6354VT3PRIB	197 ± 3	205	200	176	247	223	168	159
Terral-REV Brand	22BHR43 (RR/LL/CB/HX1)	197 ± 3	200	172	193	253	236	178	144
Mycogen	2V777 (RR2/LL/SSX)	193 ± 3	183	190	152	240	231	195	164
Agrigold	A6533VT2RIB	175 ± 3	182	169	150	238	202	146	138
Avg. (bu/a)		203	196	190	177	259	238	195	170
L.S.D._{.05} (bu/a)		10	26	37	28	21	16	28	30
C.V. (%)		9.0	9.1	12.9	10.5	5.4	4.7	10.00	11.7

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Southwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

[†]All Yields are adjusted to 15.5% moisture.

Table 5. Mean yields and agronomic characteristics of 26 early-season corn hybrids evaluated in seven environments for two years (2013-2014) in Tennessee.

Brand	Hybrid §	Avg. Yield [†]	Test	Lodging	Plant	Ear	Protein	Oil	Starch	
		± Std Err (n=14)	Moisture (n=14)	Weight (n=4)	(n=2)	Height [‡] (n=6)				Height [‡] (n=6)
		bu/a	%	lbs/bu	%	in.	in.	%	%	%
Croplan	6640VT3P	212 ± 3	18.8	56.5	0	96	35	7.1	4.3	61.4
Agrigold	A6501VT2RIB	211 ± 3	19.1	56.6	0	98	34	6.8	4.2	61.6
LG SEEDS	LG5618STXRIB	211 ± 3	19.4	56.3	0	92	34	7.0	4.2	61.7
Augusta	A5262 (GT/LL/CB)	210 ± 3	19.0	54.8	0	104	38	7.1	4.0	62.0
Augusta	A5658(GT/LL/CB)	209 ± 3	18.0	56.2	0	98	36	7.2	4.0	62.0
Agrigold	A6559VT2RIB	208 ± 3	17.9	57.3	0	99	36	6.7	3.9	62.4
Agrigold	A6499STXRIB	208 ± 3	18.9	56.3	0	93	35	7.1	4.3	61.7
Dekalb	DKC62-08 GENSS	208 ± 3	18.1	56.1	0	94	37	7.0	4.2	61.7
Armor	1262 (PRO2)	208 ± 3	17.9	57.3	0	104	36	6.7	4.0	62.1
Terral-REV Brand	18BHR84 (RR/LL/YGCB/HX1)	207 ± 3	17.6	56.6	0	98	33	6.8	3.9	62.3
Steyer	11208 VT2PRORIBC	207 ± 3	18.0	56.2	0	99	36	7.2	4.1	61.6
Steyer	11103 VT2PRORIBC	206 ± 3	17.9	56.7	0	99	35	6.8	4.1	61.8
LG SEEDS	LG2555VT3PRIB	206 ± 3	17.8	56.5	0	101	35	7.0	4.1	61.7
Dyna-Gro	D52VC91 (VT2P)	203 ± 3	18.8	57.3	0	97	33	7.1	4.1	61.9
Warren Seed	DS9610 (RR/CB/RW)	203 ± 3	17.7	55.3	0	96	37	7.2	4.2	61.7
Caverndale Farms	CF 834 VT2PRORIB	203 ± 3	19.1	57.0	0	94	33	7.0	4.0	62.1
Agrigold	A6472VT2RIB	203 ± 3	17.9	57.2	0	98	36	7.3	4.1	61.6
Warren Seed	DS9212SSX	202 ± 3	17.7	56.0	0	98	37	7.2	4.0	61.9
Warren Seed	DS9111SSX (RR/LL/SSX)	201 ± 3	17.6	56.7	0	97	37	6.9	4.0	62.1
Agrigold	A6517VT3PRIB	201 ± 3	17.7	55.8	0	96	34	7.0	4.1	61.7
Terral-REV Brand	17HR73 (RR/LL/HX1)	200 ± 3	17.1	57.1	0	103	36	7.3	3.8	62.2
Mycogen	2V714 (RR2/LL/SSX)	199 ± 3	17.7	56.1	0	97	38	7.3	4.1	61.7
Great Lakes	6354VT3PRIB	197 ± 3	18.5	56.4	0	97	32	6.9	4.1	61.9
Terral-REV Brand	22BHR43 (RR/LL/CB/HX1)	197 ± 3	18.2	58.0	0	107	38	7.1	3.9	62.0
Mycogen	2V777 (RR2/LL/SSX)	193 ± 3	18.4	55.2	0	100	39	7.2	4.2	61.3
Agrigold	A6533VT2RIB	175 ± 3	17.6	56.9	0	94	30	6.8	4.0	62.1
Average		203	18.2	56.5	0	98	35	7.0	4.1	61.9

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Southwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

Protein, Oil, and Starch on a dry weight basis

[†]All Yields are adjusted to 15.5% moisture.

[‡]Average of Knoxville and Springfield.

Table 6. Mean yields of 10 early-season (<114 DAP) corn hybrids evaluated in seven environments for three years (2012-2014) in Tennessee.

Brand	Hybrid §	Avg. Yield [†] ± Std Err (n=21)	bu/a				Ames	AgCenter Memphis	
			Knoxville	Springfield (Irr.)	Springfield (Non-Irr.)	Milan (Irr.)			Milan (Non-Irr.)
Croplan	6640VT3P	177 ± 3	210	152	126	263	180	155	157
Warren Seed	DS9212SSX	176 ± 2	190	176	129	235	170	184	146
Augusta	A5262 (GT/LL/CB)	174 ± 2	178	163	135	239	170	177	159
Warren Seed	DS9111SSX (RR/LL/SSX)	174 ± 2	195	164	123	238	167	176	158
Augusta	A5658(GT/LL/CB)	174 ± 2	201	148	125	247	169	167	159
Armor	1262 (PRO2)	173 ± 2	176	142	136	251	181	167	154
Dyna-Gro	D52VC91 (VT2P)	171 ± 2	183	151	128	246	159	170	158
Warren Seed	DS9610 (RR/CB/RW)	169 ± 2	178	149	118	239	165	181	151
Terral-REV Brand	22BHR43 (RR/LL/CB/HX1)	164 ± 2	178	137	135	235	168	157	139
Agrigold	A6533VT2RIB	153 ± 2	177	142	108	224	147	134	141
Avg. (bu/a)		171	187	152	126	242	168	167	152
L.S.D._{.05} (bu/a)		10	26	34	26	22	17	27	27
C.V. (%)		10.2	9.8	15.0	14.0	6.3	6.7	10.7	11.6

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

CL = contains a gene for tolerance to Imidazolinone class herbicides

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS = contains genes for European corn borer, Southwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

[†]All Yields are adjusted to 15.5% moisture.

[‡]Average of Knoxville and Springfield.

Table 7. Mean yields and agronomic characteristics of 10 early-season corn hybrids evaluated in seven environments for three years (2012-2014) in Tennessee.

Brand	Hybrid §	Avg. Yield [†]		Test		Plant	Ear	Protein	Oil	Starch
		± Std Err (n=21)	Moisture (n=21)	Weight (n=5)	Lodging (n=3)	Height [‡] (n=9)	Height [‡] (n=9)			
		bu/a	%	lbs/bu		in.	in.	%	%	%
Croplan	6640VT3P	177 ± 3	18.5	57.4	0	93	35	7.8	4.5	64.0
Warren Seed	DS9212SSX	176 ± 2	16.9	56.1	4	96	39	8.1	4.1	65.5
Augusta	A5262 (GT/LL/CB)	174 ± 2	18.1	55.6	1	100	37	8.1	4.0	65.8
Warren Seed	DS9111SSX (RR/LL/SSX)	174 ± 2	17.1	56.9	1	94	37	7.7	4.1	65.6
Augusta	A5658(GT/LL/CB)	174 ± 2	17.2	57.0	0	93	35	8.3	4.3	65.8
Armor	1262 (PRO2)	173 ± 2	17.6	57.9	0	100	36	7.6	4.2	65.7
Dyna-Gro	D52VC91 (VT2P)	171 ± 2	18.3	58.2	0	94	33	7.8	4.3	65.0
Warren Seed	DS9610 (RR/CB/RW)	169 ± 2	17.0	56.1	0	92	37	8.0	4.3	64.3
Terral-REV Brand	22BHR43 (RR/LL/CB/HX1)	164 ± 2	17.7	58.8	0	102	37	8.3	3.9	65.7
Agrigold	A6533VT2RIB	153 ± 2	17.0	57.5	0	92	31	7.8	4.1	65.5
Average		171	17.5	57.2	1	96	36	8.0	4.2	65.3

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Southwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

[†]All Yields are adjusted to 15.5% moisture.

[‡]Average of Knoxville and Springfield.

Table 8. Mean yields of 48 medium-season (114-116 DAP) corn hybrids evaluated in seven environments in Tennessee during 2014.

Brand	Hybrid \$	Avg. Yield [†]		Springfield		Milan		AgCenter	
		± Std Err (n=7)	Knoxville	(Irr.)	(Non-Irr.)	(Irr.)	(Non-Irr.)	Ames	Memphis
Great Lakes	6686VT3PRIB	212 ± 4	225	223	125	283	219	233	180
LG Seeds	LG5638VT2PRO	211 ± 4	241	219	137	257	228	227	171
Wyffels	W8377 (RR/VT3P)	210 ± 4	214	219	125	282	220	240	170
Progeny	PGY EXP 14SS	209 ± 4	208	208	123	292	231	238	163
Agrigold	A6659VT2RIB	208 ± 4	229	212	101	279	219	236	183
Beck's XL Brand	6626AM (RR/LL/CB)	208 ± 4	230	190	129	294	237	223	150
Steyer	11407 VT2PRORIBC	208 ± 4	195	203	135	297	221	240	162
Mycogen	2J794 (RR2/LL/HX1)	207 ± 4	217	207	115	273	215	245	177
Terral-REV Brand	24BHR93 (RR/LL/CB/HX1)	207 ± 4	215	198	93	290	232	248	170
Mycogen	2C797 (RR2/LL/SSX)	206 ± 4	212	185	123	273	232	237	183
Dyna-Gro	D55VP77 (VT3P)	206 ± 4	192	228	134	274	235	218	160
Steyer	11504 VT2PRORIBC	206 ± 4	218	187	116	288	243	231	156
Armor	AXC3114	205 ± 4	205	213	124	285	220	233	155
LG Seeds	LG5701VT2RIB	205 ± 4	230	191	111	285	225	217	176
Progeny	PGY 4115VT2P (RR2)	203 ± 4	210	211	111	290	222	206	172
Warren Seed	DS9713SSX	203 ± 4	199	191	111	281	228	247	163
Armor	1616 (PRO3)	203 ± 4	198	177	124	286	202	257	175
Great Lakes	6462STXRIB	203 ± 4	197	199	129	282	217	235	158
Dekalb	DKC66-87 GENVT2P	202 ± 4	206	170	110	303	235	211	178
Wyffels	W7888RIB (RR/LL/SSX)	201 ± 4	206	206	129	275	211	234	149
DeKalb	DKC66-97 GENVT2P	201 ± 4	206	173	125	281	227	217	179
Augusta	A5566 (GT/LL/CB)	201 ± 4	191	186	129	282	231	227	160
Mycogen	2C786 (RR2/LL/SSX)	201 ± 4	202	218	129	254	213	217	173
Croplan	7927VT3P	200 ± 4	209	188	104	278	233	205	186
Steyer	11604 VT2PRORIBC	199 ± 4	196	207	114	267	214	227	170
AgriGold	A6574STX (RR/LL)	199 ± 4	192	180	122	283	222	228	167
Progeny	PGY 5115VT2P (RR2)	199 ± 4	199	206	110	262	228	220	168
NK Seed	N79T-3111 (GT/LL/CB/RW/VIP)	198 ± 4	223	198	56	279	221	238	169
Terral-REV Brand	25BHR44 (RR/LL/YGCB/HX1)	197 ± 4	190	211	80	293	233	220	154
Dekalb	DKC66-40 GENSSRIB	197 ± 4	205	194	88	277	228	210	174
Augusta	A5565 (VT2P)	196 ± 4	185	224	103	274	206	231	149
Steyer	11406 GENSSRIBC (RR/LL)	196 ± 4	211	195	99	278	212	218	156
Armor	1550 (PRO2)	195 ± 4	195	192	115	273	207	218	167
Warren Seed	DS9314SSX	195 ± 4	199	196	129	242	209	223	166
Warren Seed	DS9311SSX	194 ± 4	196	188	130	241	211	228	166

bu/a

Table 8 (continued)

Brand	Hybrid §	Avg. Yield [†]		Springfield		Milan		AgCenter	
		± Std Err (n=7)	Knoxville	(Irr.)	(Non-Irr.)	(Irr.)	(Non-Irr.)	Ames	Memphis
Armor	1555 (PRO2)	194 ± 4	191	183	111	276	218	234	146
Dyna-Gro	D54VP81 (VT3P)	194 ± 4	194	190	109	271	210	217	167
DeKalb	DKC64-69 GENVT3P	194 ± 4	204	205	119	254	209	207	160
Beck's Hybrids	Phoenix 6542A4 (LL/GT/CB/RW)	194 ± 4	209	200	120	262	208	213	145
Croplan	7087VT3P	193 ± 4	180	187	122	266	213	229	155
NK Seed	N78S-3111 (GT/LL/CB/RW/VIP)	192 ± 4	196	210	110	254	215	192	164
Mycogen	2Y816 (RR2/LL/HX1)	191 ± 4	192	186	52	272	231	235	167
Augusta	A8064 (VT2P/RIB)	191 ± 4	190	168	118	266	205	227	160
Agrigold	A6573VT2RIB	190 ± 4	193	186	113	249	209	232	151
Progeny	PGY 4114VT2P (RR2)	189 ± 4	197	166	129	255	205	221	153
Warren Seed	DS11509SSX	188 ± 4	203	217	91	259	203	202	139
Beck's Hybrids	6948A3 (LL/GT/CB/RW)	186 ± 4	210	187	95	245	212	197	156
	Avg. (bu/a)	200	204	197	113	274	220	225	164
	L.S.D._{.05} (bu/a)	11	22	33	29	28	18	40	23
	C.V. (%)	8.5	6.5	10.2	14.9	6.2	5.1	10.8	8.7

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Southwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

[†]All Yields are adjusted to 15.5% moisture.

Table 9. Overall mean yields and agronomic characteristics of 48 medium-season corn hybrids evaluated in seven environments in Tennessee during 2014.

Brand	Hybrid §	Avg. Yield [†]	Moisture	Test	Plant	Ear	Protein	Oil	Starch
		± Std Err (n=7)	at Harvest (n=7)	Weight (n=2)	Height [‡] (n=3)	Height [‡] (n=3)			
		bu/a	%	lbs/bu	in.	in.	%	%	%
Great Lakes	6686VT3PRIB	212 ± 4	18.5	57.7	92	35	7.2	4.3	61.5
LG Seeds	LG5638VT2PRO	211 ± 4	19.0	57.6	93	34	7.2	4.3	61.5
Wyffels	W8377 (RR/VT3P)	210 ± 4	18.8	57.5	102	38	7.1	4.3	61.6
Progeny	PGY EXP 14SS	209 ± 4	17.4	58.7	102	37	6.9	4.0	62.2
Agrigold	A6659VT2RIB	208 ± 4	18.8	57.8	92	32	7.1	4.3	61.5
Beck's XL Brand	6626AM (RR/LL/CB)	208 ± 4	17.9	55.9	103	38	7.2	4.3	61.5
Steyer	11407 VT2PRORIBC	208 ± 4	18.7	58.4	93	34	7.2	4.3	61.7
Mycogen	2J794 (RR2/LL/HX1)	207 ± 4	19.5	56.2	99	39	7.6	4.2	61.1
Terral-REV Brand	24BHR93 (RR/LL/CB/HX1)	207 ± 4	18.5	58.2	105	40	7.3	4.3	61.6
Mycogen	2C797 (RR2/LL/SSX)	206 ± 4	17.1	57.6	95	38	6.8	4.1	61.8
Dyna-Gro	D55VP77 (VT3P)	206 ± 4	17.6	58.5	91	31	7.6	4.4	61.2
Steyer	11504 VT2PRORIBC	206 ± 4	17.2	58.7	101	35	7.2	4.0	62.1
Armor	AXC3114	205 ± 4	18.5	55.3	92	33	7.4	4.2	61.7
LG Seeds	LG5701VT2RIB	205 ± 4	18.7	57.8	92	33	6.6	4.2	62.1
Progeny	PGY 4115VT2P (RR2)	203 ± 4	18.4	57.7	102	38	7.1	4.6	61.3
Warren Seed	DS9713SSX	203 ± 4	19.0	55.8	92	37	7.3	4.3	61.5
Armor	1616 (PRO3)	203 ± 4	18.9	57.1	93	33	7.3	4.3	61.2
Great Lakes	6462STXRIB	203 ± 4	18.2	58.1	91	35	6.9	4.3	61.7
Dekalb	DKC66-87 GENVT2P	202 ± 4	18.8	57.4	97	35	7.1	4.4	61.2
Wyffels	W7888RIB (RR/LL/SSX)	201 ± 4	18.3	57.9	89	33	6.9	4.4	61.8
DeKalb	DKC66-97 GENVT2P	201 ± 4	18.1	58.5	96	36	7.8	4.4	61.0
Augusta	A5566 (GT/LL/CB)	201 ± 4	20.1	57.8	102	37	7.4	4.0	62.2
Mycogen	2C786 (RR2/LL/SSX)	201 ± 4	17.9	57.4	85	37	7.8	4.4	61.1
Croplan	7927VT3P	200 ± 4	19.2	57.4	102	39	7.1	4.3	61.4
Steyer	11604 VT2PRORIBC	199 ± 4	19.5	56.5	99	37	7.4	4.5	60.9
AgriGold	A6574STX (RR/LL)	199 ± 4	18.7	57.5	86	31	7.6	4.6	60.8
Progeny	PGY 5115VT2P (RR2)	199 ± 4	18.7	58.6	96	34	6.7	4.4	61.8
NK Seed	N79T-3111 (GT/LL/CB/RW/VIP)	198 ± 4	18.6	58.1	102	37	7.4	4.0	61.4
Terral-REV Brand	25BHR44 (RR/LL/YGCB/HX1)	197 ± 4	19.2	54.8	101	36	7.5	4.2	61.6
Dekalb	DKC66-40 GENSSRIB	197 ± 4	18.6	55.6	100	39	7.3	4.5	60.7
Augusta	A5565 (VT2P)	196 ± 4	18.6	57.9	91	32	7.4	4.4	61.1
Steyer	11406 GENSSRIBC (RR/LL)	196 ± 4	19.3	58.0	95	34	7.1	4.5	61.3
Armor	1550 (PRO2)	195 ± 4	18.8	58.4	96	32	7.1	4.5	61.3
Warren Seed	DS9314SSX	195 ± 4	18.2	57.6	89	35	7.6	4.5	60.9
Warren Seed	DS9311SSX	194 ± 4	17.1	56.8	95	38	7.3	4.4	61.2

Table 9 (continued)

Brand	Hybrid §	Avg. Yield [†]	Moisture	Test	Plant	Ear	Protein	Oil	Starch
		± Std Err (n=7)	at Harvest (n=7)	Weight (n=1)	Height [‡] (n=3)	Height [‡] (n=3)			
		bu/a	%	lbs/bu	in.	in.	%	%	%
Armor	1555 (PRO2)	194 ± 4	18.3	58.4	88	31	6.7	4.2	62.0
Dyna-Gro	D54VP81 (VT3P)	194 ± 4	18.4	58.8	99	34	6.6	4.3	61.8
DeKalb	DKC64-69 GENVT3P	194 ± 4	17.9	57.8	93	37	6.6	4.2	62.1
Beck's Hybrids	Phoenix 6542A4 (LL/GT/CB/RW)	194 ± 4	19.4	55.7	98	38	6.7	4.1	61.7
Croplan	7087VT3P	193 ± 4	18.4	58.1	96	35	7.1	4.0	62.1
NK Seed	N78S-3111 (GT/LL/CB/RW/VIP)	192 ± 4	20.2	55.6	102	37	7.0	4.3	61.2
Mycogen	2Y816 (RR2/LL/HX1)	191 ± 4	18.7	56.1	105	41	7.3	4.3	61.5
Augusta	A8064 (VT2P/RIB)	191 ± 4	19.1	58.3	97	33	7.1	4.4	61.3
Agrigold	A6573VT2RIB	190 ± 4	16.9	58.0	99	31	7.0	4.2	61.5
Progeny	PGY 4114VT2P (RR2)	189 ± 4	18.2	55.5	91	36	7.0	4.1	62.2
Warren Seed	DS11509SSX	188 ± 4	17.2	56.2	90	35	6.9	4.1	62.0
Beck's Hybrids	6948A3 (LL/GT/CB/RW)	186 ± 4	19.1	57.3	94	36	6.8	4.0	61.9
Average		200	18.5	57.4	95.8	35.4	7.2	4.3	61.5

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Southwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

[†]All Yields are adjusted to 15.5% moisture.

[‡]Average of Knoxville and Springfield.

Table 10. Mean yields of 22 medium-season (114-116 DAP) corn hybrids evaluated in seven environments for two years (2013-2014) in Tennessee.

Brand	Hybrid §	Avg. Yield [†]	Springfield				Milan		AgCenter	
		± Std Err (n=7)	Knoxville	(Irr.)	(Non-Irr.)	(Irr.)	(Non-Irr.)	Ames	Memphis	
----- bu/a -----										
Terral-REV Brand	24BHR93 (RR/LL/CB/HX1)	219 ± 3	211	195	158	285	263	231	189	
Great Lakes	6686VT3PRIB	215 ± 3	219	205	169	268	244	211	191	
Agrigold	A6659VT2RIB	214 ± 3	221	209	155	261	238	217	196	
Steyer	11407 VT2PRORIBC	213 ± 3	194	198	180	278	238	211	192	
Augusta	A5565 (VT2P)	212 ± 3	182	221	164	266	240	227	185	
Steyer	11504 VT2PRORIBC	211 ± 3	201	193	163	269	251	215	188	
DeKalb	DKC66-97 GENVT2P	210 ± 3	194	175	182	265	242	212	203	
Dekalb	DKC66-40 GENSSRIB	209 ± 3	201	194	147	277	251	197	192	
Beck's Hybrids	Phoenix 6542A4 (LL/GT/CB/RW)	207 ± 3	201	205	173	258	239	203	174	
Steyer	11604 VT2PRORIBC	207 ± 3	195	199	163	260	237	209	188	
Armor	1550 (PRO2)	207 ± 3	198	191	165	258	232	209	197	
NK Seed	N78S-3111 (GT/LL/CB/RW/VIP)	207 ± 3	198	198	162	255	241	208	185	
Mycogen	2J794 (RR2/LL/HX1)	207 ± 3	204	192	159	262	229	217	183	
Mycogen	2C786 (RR2/LL/SSX)	205 ± 3	195	212	150	247	234	212	187	
Armor	1555 (PRO2)	204 ± 3	199	176	169	261	226	213	186	
Terral-REV Brand	25BHR44 (RR/LL/YGCB/HX1)	204 ± 3	182	193	146	287	256	204	160	
Warren Seed	DS9314SSX	204 ± 3	199	207	173	242	217	206	182	
Warren Seed	DS9311SSX	203 ± 3	197	197	164	239	225	222	173	
DeKalb	DKC64-69 GENVT3P	202 ± 3	203	194	154	256	235	197	177	
Agrigold	A6573VT2RIB	202 ± 3	183	192	167	249	228	210	181	
Warren Seed	DS9713SSX	200 ± 3	188	166	151	263	235	223	170	
Beck's Hybrids	6948A3 (LL/GT/CB/RW)	197 ± 3	203	186	146	246	228	193	179	
Avg. (bu/a)		207	199	195	162	261	238	211	184	
L.S.D._{.05} (bu/a)		10	22	35	28	22	18	33	28	
C.V. (%)		8.6	7.4	11.5	11.1	5.7	5.0	10.5	9.9	

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

[†]All Yields are adjusted to 15.5% moisture.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Southwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

Table 11. Mean yields and agronomic characteristics of 22 medium-season corn hybrids evaluated in seven environments for two years (2013-2014) in Tennessee.

Brand	Hybrid §	Avg. Yield [†]		Test		Plant	Ear	Protein	Oil	Starch
		± Std Err (n=14)	Moisture (n=14)	Weight (n=3)	Lodging (n=2)	Height [‡] (n=6)	Height [‡] (n=6)			
		bu/a	%	lbs/bu	%	in.	in.	%	%	%
Terral-REV Brand	24BHR93 (RR/LL/CB/HX1)	219 ± 3	18.4	56.5	0	105	39	7.2	4.2	61.6
Great Lakes	6686VT3PRIB	215 ± 3	18.3	56.3	0	94	34	7.0	4.2	61.6
Agrigold	A6659VT2RIB	214 ± 3	18.7	56.2	0	94	33	7.2	4.2	61.5
Steyer	11407 VT2PRORIBC	213 ± 3	18.4	56.8	0	92	32	7.1	4.3	61.6
Augusta	A5565 (VT2P)	212 ± 3	18.5	56.5	0	90	31	7.2	4.3	61.4
Steyer	11504 VT2PRORIBC	211 ± 3	17.2	57.1	0	101	34	7.1	4.0	62.0
DeKalb	DKC66-97 GENVT2P	210 ± 3	18.5	55.9	0	98	34	7.6	4.4	60.9
Dekalb	DKC66-40 GENSSRIB	209 ± 3	18.4	54.8	0	101	38	7.2	4.4	61.1
Beck's Hybrids	Phoenix 6542A4 (LL/GT/CB/RW)	207 ± 3	19.6	53.9	0	100	37	7.0	4.3	61.1
Steyer	11604 VT2PRORIBC	207 ± 3	19.3	55.0	0	98	36	7.3	4.5	60.6
Armor	1550 (PRO2)	207 ± 3	19.0	57.1	0	98	32	6.9	4.3	61.5
NK Seed	N78S-3111 (GT/LL/CB/RW/VIP)	207 ± 3	19.8	53.6	0	101	37	7.1	4.5	60.5
Mycogen	2J794 (RR2/LL/HX1)	207 ± 3	19.8	54.4	0	100	38	7.7	4.1	61.2
Mycogen	2C786 (RR2/LL/SSX)	205 ± 3	18.3	55.4	0	91	36	7.7	4.4	60.9
Armor	1555 (PRO2)	204 ± 3	18.7	56.5	0	88	31	6.8	4.2	61.9
Terral-REV Brand	25BHR44 (RR/LL/YGCB/HX1)	204 ± 3	19.0	54.9	0	107	38	7.6	4.1	61.4
Warren Seed	DS9314SSX	204 ± 3	18.3	55.7	0	89	35	7.4	4.3	61.1
Warren Seed	DS9311SSX	203 ± 3	17.5	54.9	0	98	38	7.2	4.3	61.3
DeKalb	DKC64-69 GENVT3P	202 ± 3	18.0	56.3	0	95	36	6.7	4.2	61.9
Agrigold	A6573VT2RIB	202 ± 3	17.5	55.7	0	98	32	6.9	4.2	61.5
Warren Seed	DS9713SSX	200 ± 3	18.9	54.7	0	95	39	7.3	4.3	61.2
Beck's Hybrids	6948A3 (LL/GT/CB/RW)	197 ± 3	18.8	55.6	0	97	37	6.8	4.1	61.5
Average		207	18.6	55.6	0	97	35	7.2	4.3	61.3

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Southwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

Protein, Oil, and Starch on a dry weight basis

[†]All Yields are adjusted to 15.5% moisture.

[‡]Average of Knoxville and Springfield.

Table 12. Mean yields of 8 medium-season (114-116 DAP) corn hybrids evaluated in seven environments for three years (2012-2014) in Tennessee.

Brand	Hybrid §	Avg. Yield [†]							
		± Std Err (n=7)	Knoxville	Springfield (Irr.) (Non-Irr.)		Milan (Irr.) (Non-Irr.)		Ames	AgCenter Memphis
		----- bu/a -----							
Terral-REV Brand	24BHR93 (RR/LL/CB/HX1)	184 ± 2	206	162	109	273	180	197	165
Steyer	11407 VT2PRORIBC	182 ± 2	185	180	127	262	168	185	168
Augusta	A5565 (VT2P)	180 ± 2	177	196	119	257	167	193	153
Agrigold	A6659VT2RIB	179 ± 2	200	179	109	248	163	185	167
DeKalb	DKC66-97 GENVT2P	178 ± 3	185	153	126	252	168	187	170
NK Seed	N78S-3111 (GT/LL/CB/RW/VIP)	177 ± 2	193	174	113	251	169	184	154
DeKalb	DKC64-69 GENVT3P	175 ± 2	192	173	108	251	166	176	160
Beck's Hybrids	6948A3 (LL/GT/CB/RW)	166 ± 2	186	168	103	224	154	173	156
	Avg. (bu/a)	178	191	173	114	252	167	185	162
	L.S.D._{.05} (bu/a)	10	21	38	23	24	17	30	28
	C.V. (%)	10.0	7.5	15.0	13.3	6.5	6.6	11.2	18.7

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

CL = contains a gene for tolerance to Imidazolinone class herbicides

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS = contains genes for European corn borer, Soutwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glypohsate, and glufosinate resistance

[†]All Yields are adjusted to 15.5% moisture.

Table 13. Mean yields and agronomic characteristics of 8 medium-season corn hybrids evaluated in seven environments for three years (2012-2014) in Tennessee.

Brand	Hybrid §	Avg. Yield [†]	Moisture (n=21)	Test	Lodging (n=3)	Plant	Ear	Protein (n=3)	Oil (n=3)	Starch (n=3)
		± Std Err (n=21)		Weight (n=5)		Height [‡] (n=9)	Height [‡] (n=9)			
		bu/a	%	lbs/bu	%	in.	in.	%	%	%
Terral-REV Brand	24BHR93 (RR/LL/CB/HX1)	184 ± 2	18.0	56.9	0	101	38	7.7	4.3	65.5
Steyer	11407 VT2PRORIBC	182 ± 2	17.9	57.5	0	87	31	8.1	4.3	65.3
Augusta	A5565 (VT2P)	180 ± 2	17.9	57.4	0	86	30	8.1	4.4	65.2
Agrigold	A6659VT2RIB	179 ± 2	18.0	57.0	0	89	32	7.7	4.3	65.4
DeKalb	DKC66-97 GENVT2P	178 ± 3	17.9	56.8	0	93	33	8.2	4.5	64.9
NK Seed	N78S-3111 (GT/LL/CB/RW/VIP)	177 ± 2	19.3	54.2	0	98	37	7.7	4.5	64.8
DeKalb	DKC64-69 GENVT3P	175 ± 2	17.5	56.9	1	90	34	7.5	4.3	65.7
Beck's Hybrids	6948A3 (LL/GT/CB/RW)	166 ± 2	18.2	56.3	0	94	37	7.6	4.1	65.5
Average		178	18.1	56.6	0	92	34	7.8	4.3	65.3

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Soutwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

[†]All Yields are adjusted to 15.5% moisture.

[‡]Average of Knoxville and Springfield.

Table 14. Mean yields of 24 full-season (>116 DAP) corn hybrids evaluated in six environments in Tennessee during 2014.

Brand	Hybrid §	Avg. Yield [†]						
		± Std Err (n=6)	Knoxville	Springfield		Milan		Ames
		bu/a						
		(Irr.)	(Non-Irr.)	(Irr.)	(Non-Irr.)	(Irr.)	(Non-Irr.)	
Dyna-Gro	D57VP51 (VT3P)	206 ± 4	209	188	97	282	213	246
Terral-REV Brand	27HR83 (RR/LL/HX1)	205 ± 4	199	180	86	276	229	257
Dekalb	DKC67-58 GENVT2P	202 ± 5	190	216	97	268	214	230
Caverndale Farms	CF 894 VT2PRORIB	202 ± 5	204	186	112	257	213	239
Agrigold	A6687VT2PRO	201 ± 5	207	182	76	277	225	239
Croplan	8621VT3P	200 ± 4	206	165	81	269	229	251
Croplan	8512DGV2P	199 ± 5	195	173	141	251	215	221
Progeny	PGY 4117VT2P (RR2)	197 ± 4	207	172	104	260	217	225
Mycogen	MYCX13809 (RR/LL/HX1)	196 ± 5	203	163	89	254	229	236
Beck's Hybrids	6967VR (LL/GT/CB)	195 ± 5	220	149	75	263	230	234
AgriGold	A6719VT2PRO (RR)	195 ± 4	210	171	84	267	234	203
Warren Seed	DS9217SSX	194 ± 5	191	185	95	264	219	211
Dekalb	DKC69-31	194 ± 5	189	172	88	266	220	226
Augusta	A8868 (VT3P)	192 ± 4	204	172	57	273	214	230
Terral-REV Brand	28R10 (RR)	190 ± 4	197	184	66	262	213	218
Beck's XL Brand	6778AM (RR/LL/CB)	190 ± 5	193	176	99	253	222	197
NK Seed	N83D-3000GT (GT/LL/CB/RW)	189 ± 5	196	177	70	261	210	218
Caverndale Farms	883 GTCBLL	188 ± 4	204	156	73	274	209	213
TN EXP	TN 1401	187 ± 5	195	168	116	235	195	213
Mycogen	MYCX13826 (RR/LL/SSX)	185 ± 5	206	170	72	246	226	191
Mycogen	2H877 (RR2/LL/SSX)	183 ± 5	204	165	88	232	212	201
Mycogen	MYCX13810 (RR/LL/HX1)	183 ± 5	205	135	105	227	209	215
TN Exp	TN 1203W	182 ± 5	189	152	94	232	198	227
Terral-REV Brand	28HR20 (RR/LL/HX1)	178 ± 5	223	141	57	210	195	244
Avg. (bu/a)		193	202	171	88	257	216	224
L.S.D._{.05} (bu/a)		12	25	41	46	19	14	32
C.V. (%)		8.9	7.4	14.5	26.6	4.5	4.0	8.3

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

[†]All Yields are adjusted to 15.5% moisture.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Southwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

Table 15. Overall mean yields and agronomic characteristics of 24 full-season corn hybrids evaluated in six environments in Tennessee during 2014.

Brand	Hybrid §	Avg. Yield [†]	Moisture	Test	Plant	Ear	Protein	Oil	Starch
		± Std Err (n=6)	at Harvest (n=6)	Weight (n=1)	Height [‡] (n=3)	Height [‡] (n=3)			
		bu/a	%	lbs/bu	in.	in.	%	%	%
Dyna-Gro	D57VP51 (VT3P)	206 ± 4	18.8	55.7	92	34	7.4	4.4	61.0
Terral-REV Brand	27HR83 (RR/LL/HX1)	205 ± 4	18.0	59.5	110	43	7.3	4.1	61.8
Dekalb	DKC67-58 GENVT2P	202 ± 5	19.0	57.9	94	35	7.5	4.2	61.5
Caverndale Farms	CF 894 VT2PRORIB	202 ± 5	18.7	58.4	96	36	7.4	4.3	61.1
Agrigold	A6687VT2PRO	201 ± 5	18.5	58.5	98	36	7.1	4.3	61.3
Croplan	8621VT3P	200 ± 4	18.0	57.4	99	39	7.2	4.1	61.9
Croplan	8512DGVT2P	199 ± 5	18.1	58.9	99	36	7.3	4.4	61.4
Progeny	PGY 4117VT2P (RR2)	197 ± 4	17.8	57.0	101	43	7.0	4.0	62.3
Mycogen	MYCX13809 (RR/LL/HX1)	196 ± 5	21.0	56.6	99	41	7.0	4.3	61.1
Beck's Hybrids	6967VR (LL/GT/CB)	195 ± 5	22.0	57.3	98	35	7.0	4.5	61.3
AgriGold	A6719VT2PRO (RR)	195 ± 4	18.4	56.4	104	40	7.3	4.1	61.6
Warren Seed	DS9217SSX	194 ± 5	20.4	58.8	92	38	7.2	4.3	61.5
Dekalb	DKC69-31	194 ± 5	19.0	57.7	103	38	7.1	4.2	61.8
Augusta	A8868 (VT3P)	192 ± 4	18.7	58.7	100	39	7.0	4.2	61.9
Terral-REV Brand	28R10 (RR)	190 ± 4	18.8	56.3	106	39	7.5	4.3	61.2
Beck's XL Brand	6778AM (RR/LL/CB)	190 ± 5	17.2	55.7	95	36	7.2	4.4	61.2
NK Seed	N83D-3000GT (GT/LL/CB/RW)	189 ± 5	20.3	57.7	102	37	7.0	4.2	61.8
Caverndale Farms	883 GTCBLL	188 ± 4	19.9	54.8	102	35	7.5	4.8	59.8
TN EXP	TN 1401	187 ± 5	19.6	55.9	104	41	7.5	4.4	61.0
Mycogen	MYCX13826 (RR/LL/SSX)	185 ± 5	20.1	56.4	98	37	7.4	4.7	60.7
Mycogen	2H877 (RR2/LL/SSX)	183 ± 5	19.9	56.7	102	37	7.2	4.6	60.8
Mycogen	MYCX13810 (RR/LL/HX1)	183 ± 5	20.9	57.6	92	35	7.3	4.0	62.0
TN Exp	TN 1203W	182 ± 5	21.3	56.8	107	44	7.3	4.1	61.7
Terral-REV Brand	28HR20 (RR/LL/HX1)	178 ± 5	18.4	58.1	110	39	7.2	4.2	61.9
Average		193	19.3	57.3	100	38	7.2	4.3	61.4

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Southwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

Protein, Oil, and Starch on a dry weight basis

[†]All Yields are adjusted to 15.5% moisture.

[‡]Average of Knoxville and Springfield.

Table 16. Mean yields of seven full-season (>116 DAP) corn hybrids evaluated in six environments for two years (2013-2014) in Tennessee.

Brand	Hybrid §	Avg. Yield [†]	Springfield		Milan		Ames	
		± Std Err (n=12)	Knoxville	(Irr.)** (Non-Irr.)	(Irr.)	(Non-Irr.)		
				bu/a				
Terral-REV Brand	27HR83 (RR/LL/HX1)	211 ± 3	191	169	143	289	247	226
Agrigold	A6687VT2PRO	209 ± 3	202	173	138	278	241	222
Croplan	8621VT3P	207 ± 3	205	163	143	267	239	222
Terral-REV Brand	28R10 (RR)	202 ± 3	184	186	142	264	234	205
Caverndale Farms	CF 894 VT2PRORIB	201 ± 4	200	167	148	253	229	209
Terral-REV Brand	28HR20 (RR/LL/HX1)	198 ± 4	205	156	142	252	226	208
TN Exp	TN 1203W	188 ± 4	187	150	135	231	208	218
	Avg. (bu/a)	202	196	166	142	262	232	216
	L.S.D._{.05} (bu/a)	12	28	38	42	22	22	31
	C.V. (%)	9.5	9.0	14.1	17.5	5.3	6.4	9.1

Table 17. Mean yields and agronomic characteristics of seven full-season corn hybrids evaluated in six environments for two years (2013-2014) in Tennessee.

Brand	Hybrid §	Avg. Yield [†]	Test		Plant	Ear	Protein	Oil	Starch	
		± Std Err (n=12)	Moisture (n=12)	Weight (n=2)	Lodging (n=3)	Height [‡] (n=6)				Height [‡] (n=6)
		bu/a	%	lbs/bu	%	in.	in.	%	%	
Terral-REV Brand	27HR83 (RR/LL/HX1)	211 ± 3	18.0	57.3	0	112	43	7.0	4.1	61.8
Agrigold	A6687VT2PRO	209 ± 3	18.6	57.2	0	100	37	7.2	4.2	61.4
Croplan	8621VT3P	207 ± 3	18.3	55.1	0	103	38	7.4	4.4	61.1
Terral-REV Brand	28R10 (RR)	202 ± 3	18.7	56.4	0	107	38	7.0	4.1	61.7
Caverndale Farms	CF 894 VT2PRORIB	201 ± 4	19.1	55.5	0	96	35	7.3	4.4	60.7
Terral-REV Brand	28HR20 (RR/LL/HX1)	198 ± 4	18.6	57.0	0	112	39	6.9	4.1	61.7
TN Exp	TN 1203W	188 ± 4	21.4	54.7	1	111	44	7.6	4.5	60.8
	Average	202	19.0	56.2	0	106	39	7.2	4.3	61.3

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Soutwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

Protein, Oil, and Starch on a dry weight basis

[†]All Yields are adjusted to 15.5% moisture.

[‡]Average of Knoxville and Springfield.

Table 18. Mean yields of five full-season (>116 DAP) corn hybrid evaluated in six environments for three years (2012-2014) in Tennessee.

Brand	Hybrid §	Avg. Yield [†]						
		± Std Err (n=18)	Knoxville	Springfield (Irr.) (Non-Irr.)		Milan (Irr.) (Non-Irr.)		Ames
----- bu/a -----								
Croplan	8621VT3P	178 ± 3	204	160	101	255	165	185
Terral-REV Brand	27HR83 (RR/LL/HX1)	177 ± 3	183	161	97	268	167	189
Terral-REV Brand	28HR20 (RR/LL/HX1)	167 ± 3	206	144	96	239	153	168
Terral-REV Brand	28R10 (RR)	167 ± 3	183	152	96	243	161	166
TN Exp	TN 1203W	160 ± 3	190	143	94	210	140	184
Avg. (bu/a)		170	193	152	97	243	157	178
L.S.D._{.05} (bu/a)		12	28	41	31	31	19	31
C.V. (%)		11.7	9.6	17.1	20.8	8.6	8.1	10.5

Table 19. Mean yields and agronomic characteristics of five full-season corn hybrid evaluated in six environments for three years (2012-2014) in Tennessee.

Brand	Hybrid §	Avg. Yield [†]		Test	Plant	Ear	Protein (n=3)	Oil (n=3)	Starch (n=3)	
		± Std Err (n=18)	Moisture (n=18)	Weight (n=3)	Lodging (n=5)	Height [‡] (n=9)				Height [‡] (n=9)
		bu/a	%	lbs/bu	%	in.	in.	%	%	
Croplan	8621VT3P	178 ± 3	17.9	56.3	1	96	37	8.0	4.7	64.8
Terral-REV Brand	27HR83 (RR/LL/HX1)	177 ± 3	17.8	58.4	3	106	41	7.5	4.3	65.7
Terral-REV Brand	28HR20 (RR/LL/HX1)	167 ± 3	18.3	58.7	1	107	39	7.6	4.1	65.8
Terral-REV Brand	28R10 (RR)	167 ± 3	18.5	51.8	1	103	38	7.7	4.1	66.2
TN Exp	TN 1203W	160 ± 3	20.4	56.5	7	105	43	8.1	4.6	64.7
Average		170	18.6	56.3	3	103	40	7.8	4.4	65.4

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Southwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

[†]All Yields are adjusted to 15.5% moisture.

[‡]Average of Knoxville and Springfield.

COUNTY STANDARD TESTS ‡

Table 20. Yields of 29 early-season (<114 DAP) Roundup / stacked corn hybrids in 14 County Standard Tests in Tennessee and Kentucky during 2014.‡

MS	BRAND/HYBRID	AvgYld	Moist	TWt¶	Ball	Coff	Croc	Faye	Fran	Fult	Gibs	Giles	Hen1	Hen2	Laud	Madi	Obio	Weak
		bu/a	%	lb/bu	5/6 §	4/2	4/17	4/15	4/23	5/6	4/21	5/5	4/18	5/22	5/20	4/17	4/15	4/21
A	LG Seeds LG5618 STXRIB	215	16.4	59.4	194	255	157	194	182	214	196	209	260	213	229	184	259	257
AB	Armor 1330PRO2	211	16.1	59.6	211	236	158	175	177	198	226	198	248	206	218	210	239	252
ABC	AgriGold A6472 VT3PRIB	210	16.2	59.2	205	241	159	165	203	202	213	250	231	186	227	194	246	222
ABCD	AgriGold A6501 VT2RIB	206	17.1	60.2	192	245	144	148	182	220	246	186	230	187	185	208	273	232
ABCD	AgriGold A6517 VT3PRIB	205	16.1	55.9	189	226	138	170	198	207	182	245	231	209	205	193	238	240
ABCDE	LG Seeds LG2555 VT3PRIB	204	15.8	56.8	190	220	141	152	182	219	192	197	231	208	249	185	244	248
ABCDE	Warren Seed DS9610 3000GT	204	15.8	58.0	180	217	130	147	178	217	241	224	237	187	242	187	240	233
ABCDEF	Stine 9739 VT3PRO	204	16.6	55.8	201	190	150	168	160	216	211	238	228	193	252	183	246	216
ABCDEFG	AgriGold A6499 VT2RIB	204	16.2	59.8	200	224	148	142	195	209	183	221	243	182	250	180	245	229
BCDEFG	Terral 22BHR43	203	16.3	59.9	203	254	162	166	211	195	174	199	233	200	201	189	246	214
BCDEFG	Dyna-Gro D52VC91 GENVT2P	202	15.8	59.3	195	213	149	179	182	200	184	235	237	187	232	166	237	226
BCDEFG	Dekalb DKC62-08 GENSS	202	15.6	57.8	202	203	179	173	184	224	218	162	234	200	212	151	242	237
BCDEFG	Augusta A5658 GTCBLLD	201	16.2	57.4	186	213	158	172	198	201	188	228	216	181	237	169	245	218
BCDEFG	Beck 5828AM	200	15.8	58.8	193	224	136	170	193	192	210	228	230	169	235	189	238	199
BCDEFG	Terral 18BHR84	200	16.0	58.6	179	230	141	169	196	190	181	222	237	166	248	167	242	232
BCDEFG	Augusta A5262 GTCBLLD	200	16.4	56.3	191	218	131	135	171	203	211	208	235	215	223	185	246	227
CDEFGH	Warren Seed DS9111 SSX	199	15.9	58.1	198	215	159	147	187	222	184	203	219	186	224	191	244	212
DEFGH	Dekalb DKC62-77 VT3PRIB	199	16.1	58.3	201	213	150	177	178	203	191	220	219	199	228	159	233	216
DEFGH	Croplan 6640 VT3	199	16.1	59.3	203	241	151	162	166	205	197	177	249	181	196	176	246	235
DEFGH	Mycogen 2V777 SSX	199	15.9	56.3	171	219	154	173	188	208	186	259	217	198	207	153	236	216
DEFGHI	Steyer 11209 VT2PRORIB	197	16.1	59.2	202	227	142	177	189	186	219	200	227	180	195	186	224	207
DEFGHI	Dyna-Gro D53VC13 GENVT2P	195	16.4	58.6	169	234	153	162	161	193	192	201	229	178	210	165	249	236
DEFGHI	Croplan 6265 VT2PRIB	195	15.7	59.0	208	220	152	167	184	204	174	228	236	155	225	153	217	203
DEFGHI	Mycogen 2V714 SSX	194	15.7	57.2	206	194	148	156	184	213	181	214	232	164	206	168	241	214
EFGHI	Warren Seed DS9212 SSX	194	15.7	57.1	193	226	156	155	201	204	185	230	224	145	175	178	221	218
FGHI	Beck 6348A3 3000GT	193	16.4	57.6	188	217	141	165	177	206	196	215	218	186	166	166	236	225
GHI	Stine 9741 EVT3PRO	192	16.4	56.5	175	218	136	163	212	168	162	230	218	185	190	183	233	222
HI	Armor 1314	188	15.8	58.6	195	203	133	149	193	203	162	215	222	175	191	172	212	214
I	Steyer 11103 VT2PRORIB	187	15.9	58.8	163	179	127	167	177	194	182	203	223	184	224	168	231	199
Average (bu/a)		200	16.1	58.2	193	221	148	164	186	204	195	215	231	186	217	178	240	224

§ Planting date. %M= Avg. % moisture at harvest across all locations.

YLD= Avg. Yield @ 15.5% moisture.

¶= Avg. Test Wt. lbs/bu @ 11 locations.

MS= Hybrids that have any MS letter in common are not significantly different in yield at the 5% level of probability.

Locations include; Ballard, KY, Coffee, Crockett, Fayette, Franklin, Fulton, KY, Gibson, Giles, Henry 1 (Brannon Farms), Henry 2 (Tosh Farms), Lauderdale (irrig), Madison, Obion (irrig) and Weakley.

‡Data provided by Robert C. Williams, Ext. Area Specialist, Grain Crops, and extension agents in counties shown above.

Table 21. Yields of 29 medium-season (114-116) Roundup / stacked corn hybrids in 16 County Standard Tests in Tennessee and Kentucky during 2014.‡

MS	BRAND/HYBRID	AvgYld	Moist	TWt¶	Carl	Deca	Faye	Fran	Fulton	Gibson	Hayw	Henr1	Henr2	Hick	Lake	Madi	Mont	Robe	Shel	Weak
		bu/a	%	lb/bu	4/15 §	5/5	4/11	4/24	5/6	4/21	5/7	4/18	5/22	5/6	4/24	4/12	4/22	4/24	4/22	4/26
A	LG Seeds LG5701 VT2RIB	202	16.4	59.5	182	184	260	248	214	206	124	240	211	219	144	204	161	164	233	242
AB	*Dyna-Gro D55VC77 GENVT2P	202	16.2	59.6	182	215	241	255	203	190	136	242	205	218	186	197	166	161	221	209
ABC	Beck 6626AM	201	16.2	59.8	185	178	251	250	223	189	124	251	215	205	191	189	171	159	226	207
ABCD	**Armor 1550PRO2	200	16.3	59.9	180	213	237	245	227	194	130	234	188	227	147	209	174	162	213	223
ABCDE	*Terral 24BHR93	198	16.2	59.5	184	180	250	236	213	191	130	257	207	203	170	201	168	145	224	214
ABCDEF	Warren Seed DS9713 SSX	197	16.3	56.7	190	173	237	237	223	192	134	233	228	210	193	175	161	155	200	213
ABCDEF	Dyna-Gro D56VC46 GENVT2P	197	17.1	58.5	158	199	236	238	220	182	124	233	230	229	165	197	165	172	191	213
ABCDEF	AgriGold A6573 VT3PRIB	197	16.1	57.4	162	195	259	235	228	168	126	236	197	199	195	193	162	154	219	223
ABCDEF	Dekalb DKC66-42 VT2P	197	16.2	58.5	169	198	230	259	210	188	114	250	183	217	178	186	162	155	227	222
ABCDEFG	AgriGold A6559 VT2RIB	196	15.8	59.5	180	199	256	225	228	192	107	234	190	225	148	170	171	169	213	226
ABCDEFG	Mycogen 2C797 SSX	194	15.9	57.7	178	184	239	231	209	189	128	232	201	218	155	190	156	172	183	238
ABCDEFG	Steyer 11407 VT2PRORIB	194	16.3	60.1	183	180	233	232	205	198	120	237	196	209	150	193	174	155	224	216
BCDEFG	Dekalb DKC64-69 GENVT3P	193	16.0	59.1	186	201	239	235	214	191	113	240	211	195	127	186	171	164	218	204
BCDEFG	Beck 6542A4	193	17.0	56.4	183	151	228	236	206	184	131	241	210	228	165	178	173	142	225	213
CDEFG	Croplan 6960 VT3P	193	16.0	60.3	195	177	221	246	207	195	122	243	213	198	132	189	161	161	215	210
CDEFG	Augusta A5664 GT3000D	192	17.0	57.9	166	187	217	221	208	194	121	211	223	223	158	200	169	157	208	215
DEFG	Augusta A5566 GTCBLLD	192	17.7	58.5	179	175	238	243	217	182	107	211	197	223	172	190	161	146	201	228
DEFG	Dyna-Gro D54VC81 GENVT2P	192	16.2	59.9	168	188	236	223	226	184	118	247	201	193	165	166	160	156	222	212
DEFG	Mycogen 2C786 SSX	192	16.1	58.1	189	173	231	245	220	190	116	170	213	219	172	190	171	159	201	205
EFG	Croplan 7087 VT2PRO	191	16.1	58.6	147	143	247	260	222	191	97	238	204	194	154	195	164	153	240	215
EFG	Warren Seed DS9314 SSX	191	16.3	57.9	182	153	228	237	223	191	116	220	198	215	174	192	169	163	197	199
EFG	Armor 1616PRO3	191	16.8	58.4	177	191	248	240	214	193	109	224	178	198	186	183	171	129	206	207
EFG	Augusta A5565 VT2PROD	191	16.5	59.7	179	179	223	240	223	183	121	237	186	195	163	197	155	156	213	199
EFG	Beck 6948A3	191	16.9	57.7	170	185	196	224	207	191	115	232	202	204	165	211	162	149	217	220
FGH	Dekalb DKC66-97 GENVT2P	190	16.3	58.5	169	165	228	239	211	185	104	246	171	213	185	179	161	152	206	224
FGH	Armor 1555PRO2	190	16.4	59.7	172	170	218	225	218	181	121	232	198	199	175	179	156	154	221	217
FGH	Steyer 11604 VT2PRORIB	189	17.0	58.3	174	187	235	216	190	191	123	218	215	199	172	187	168	152	191	214
GH	Warren Seed DS9311 SSX	188	15.5	56.7	174	165	245	216	204	189	120	227	199	212	163	177	157	168	177	211
H	Stine 9806 EVT3PRO	182	16.7	56.6	180	169	219	209	223	174	114	227	199	194	153	184	171	139	173	177
	Average (bu/a)	194	16.4	58.6	177	181	235	236	215	189	120	233	202	210	166	189	165	156	210	214

§ Planting date. %M= Avg. % moisture at harvest across all locations.

YLD= Avg. Yield @ 15.5% moisture.

¶= Avg. Test Wt. lbs/bu @ 13 locations.

MS= Hybrids that have any MS letter in common are not significantly different in yield at the 5% level of probability.

Hybrids marked with an asterisk (*), (**) and/or (***) were in the top performing "A" group in 2014, 2013, 2012 and 2011.

Locations include; Carlisle KY, Decatur, Fayette (irrig), Franklin, Fulton, KY, Gibson, Haywood, Henry 1 (Brannon Farms), Henry 2 (Tosh Farms), Hickman, Lake, Madison, Montgomery, Robertson, Shelby and Weakley (irrig).

‡Data provided by Robert C. Williams, Ext. Area Specialist, Grain Crops, and extension agents in counties shown above.

Table 22. Yields of 13 full-season (>116 DAP) Roundup / stacked corn hybrids in 13 County Standard Tests in Tennessee and Kentucky during 2014.‡

MS	BRAND/HYBRID	AvgYld	Moist	TWt	Faye	Frank	Fulton	Gibs	Henr1	Henr2	Lake	Laud	Madi	Obion	Shelby	Tipton	Weak
		bu/a	%	lb/bu	4/11 §	4/23	5/6	4/21	4/15	5/22	5/6	5/9	4/11	4/15	4/22	4/24	4/23
A	*Croplan 8621 VT2P	206	16.7	57.4	236	189	190	212	229	227	196	175	192	255	225	104	249
A	*Augusta A7767 VT3PROD	204	17.7	57.3	221	173	184	192	229	203	200	164	224	252	227	108	271
AB	**Dyna-Gro D57VP51 VT3P	204	17.0	58.7	218	186	194	183	225	209	206	186	221	252	215	81	272
ABC	*Dekalb DKC67-58 VT2P	201	17.9	59.4	236	170	188	190	220	196	220	154	203	246	217	117	256
ABC	**AgriGold A6659 VT2RIB	199	17.5	58.8	226	156	188	186	204	228	217	128	232	252	200	85	279
ABC	Dekalb DKC69-31 VT2P	198	17.7	58.1	249	145	185	186	218	193	195	149	220	241	238	78	275
ABCD	*Terral 27HR83	197	17.8	58.7	252	158	185	189	230	210	189	159	193	215	240	80	259
ABCD	**Croplan 8410 VT3P	197	17.1	59.5	227	164	189	188	212	194	182	188	217	252	203	83	256
ABCD	*Armor 1880 PRO2	196	16.7	59.5	231	162	197	182	221	205	190	181	166	243	224	94	252
BCD	Steyer 11801 VT2PRORIB	193	17.0	58.8	212	165	184	177	224	218	220	119	196	237	226	76	253
CD	Croplan 7927 VT3	191	16.9	58.5	218	164	176	168	236	208	194	163	170	237	239	71	245
CD	Warren Seed DS9217 SSX	191	18.8	57.7	230	139	175	163	205	208	185	170	213	231	210	109	243
D	Mycogen 2H877 SSX	186	17.6	56.1	233	175	167	171	188	182	187	181	189	205	200	81	260
Average (bu/a)		197	17.4	58.3	230	165	185	184	219	206	199	163	203	240	220	90	259

§ Planting date.

%M= Avg. % moisture at harvest across all locations.

YLD= Avg. Yield @ 15.5% moisture.

TWt.= Avg. Test Wt. lbs/bu @ all locations.

MS= Hybrids that have any MS letter in common are not significantly different in yield at the 5% level of probability.

Hybrids marked with an asterisk (*) and/or (**) were in the top performing group in 2014, 2013 and/or 2012.

Locations include; Fayette (irrig), Franklin, Fulton, KY, Gibson, Henry 1, (Barker), Henry 2 (Tosh), Lake, Lauderdale, Madison, Obion, Shelby, Tipton and Weakley (irrig).

‡Data provided by Robert C. Williams, Ext. Area Specialist, Grain Crops, and extension agents in counties shown above.

Table 23. Overall average yields, moistures, and test weights of 23 early-season corn hybrids evaluated in County Standard Tests and Research and Education Center Tests in Tennessee during 2014†

Brand	Hybrid §	Avg. of CST and REC Tests			CST Tests			REC Tests		
		Avg. Yield	Moisture	Test Weight	Avg. Yield	Moisture	Test Weight	Avg. Yield (n=7)	Moisture (n=7)	Test Weight (n=2)
		bu/a	%	lbs/bu	bu/a	%	lbs/bu	bu/a	%	lbs/bu
LG SEEDS	LG5618STXRIB	208	18.0	58.9	215	16.4	59.4	202	19.5	58.3
Agrigold	A6501VT2RIB	206	18.4	59.3	206	17.1	60.2	206	19.7	58.5
Armor	1330 (VT3P)	205	17.2	59.1	211	16.1	59.6	199	18.3	58.7
LG SEEDS	LG2555VT3PRIB	204	16.9	57.0	204	15.8	56.8	203	17.9	57.3
Agrigold	A6472VT2RIB	203	17.5	58.7	210	16.2	59.2	196	18.8	58.3
Agrigold	A6517VT3PRIB	202	16.7	56.4	205	16.1	55.9	199	17.3	56.9
Agrigold	A6499STXRIB	202	18.1	58.4	204	16.2	59.8	200	20.0	57.0
Croplan	6640VT3P	200	17.7	58.9	199	16.1	59.3	201	19.3	58.4
Augusta	A5262 (GT/LL/CB)	199	17.6	55.9	200	16.4	56.3	198	18.9	55.4
Dekalb	DKC62-08 GENSS	198	17.0	57.6	202	15.6	57.8	195	18.4	57.5
Beck's XL Brand	5828AM (RR/LL/CB)	198	16.9	58.3	200	15.8	58.8	196	17.9	57.8
Warren Seed	DS9610 (RR/CB/RW)	198	17.2	56.8	204	15.8	58.0	191	18.5	55.6
Dyna-Gro	D52VC91 (VT2P)	196	17.5	59.2	202	15.8	59.3	191	19.2	59.2
Dekalb	DKC62-77 (VT2P/RIB)	196	17.2	58.4	199	16.1	58.3	193	18.3	58.5
Terral-REV Brand	18BHR84 (RR/LL/YGCB/HX1)	196	17.1	58.3	200	16.0	58.6	192	18.1	58.0
Augusta	A5658(GT/LL/CB)	195	17.1	57.7	201	16.2	57.4	189	18.1	57.9
Warren Seed	DS9212SSX	194	16.8	57.4	194	15.7	57.1	195	17.9	57.8
Terral-REV Brand	22BHR43 (RR/LL/CB/HX1)	193	17.4	59.8	203	16.3	59.9	182	18.5	59.6
Steyer	11103 VT2PRORIBC	193	17.0	58.5	187	15.9	58.8	198	18.2	58.2
Warren Seed	DS9111SSX (RR/LL/SSX)	192	16.9	58.1	199	15.9	58.1	185	17.9	58.2
Mycogen	2V777 (RR2/LL/SSX)	192	17.0	56.7	199	15.9	56.3	185	18.1	57.0
Mycogen	2V714 (RR2/LL/SSX)	190	16.9	57.2	194	15.7	57.2	185	18.0	57.3
Armor	1314 (PRO)	185	16.8	58.5	188	15.8	58.6	182	17.8	58.5
Average		198	17.2	58.1	201	16.0	58.3	194	18.5	57.8

†All Yields are adjusted to 15.5% moisture.

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Soutwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

Table 24. Overall average yields, moistures, and test weights of 16 medium-season corn hybrids evaluated in County Standard Tests and Research and Education Center Tests in Tennessee during 2014.†

Brand	Hybrid §	Avg. of CST and REC Tests			CST Tests			REC Tests		
		Avg. Yield bu/a	Moisture %	Test Weight lbs/bu	Avg. Yield bu/a	Moisture %	Test Weight lbs/bu	Avg. Yield (n=7) bu/a	Moisture (n=7) %	Test Weight (n=2) lbs/bu
Beck's XL Brand	6626AM (RR/LL/CB)	204	17.0	57.9	201	16.2	59.8	208	17.9	55.9
LG Seeds	LG5701VT2RIB	204	17.6	58.7	202	16.4	59.5	205	18.7	57.8
Terral-REV Brand	24BHR93 (RR/LL/CB/HX1)	203	17.3	58.9	198	16.2	59.5	207	18.5	58.2
Steyer	11407 VT2PRORIBC	201	17.5	59.3	194	16.3	60.1	208	18.7	58.4
Warren Seed	DS9713SSX	200	17.7	56.2	197	16.3	56.7	203	19.0	55.8
Mycogen	2C797 (RR2/LL/SSX)	200	16.5	57.7	194	15.9	57.7	206	17.1	57.6
Armor	1550 (PRO2)	197	17.6	59.2	200	16.3	59.9	195	18.8	58.4
Armor	1616 (PRO3)	197	17.9	57.8	191	16.8	58.4	203	18.9	57.1
Augusta	A5566 (GT/LL/CB)	196	18.9	58.2	192	17.7	58.5	201	20.1	57.8
Mycogen	2C786 (RR2/LL/SSX)	196	17.0	57.7	192	16.1	58.1	201	17.9	57.4
DeKalb	DKC66-97 GENVT2P	195	17.2	58.5	190	16.3	58.5	201	18.1	58.5
Steyer	11604 VT2PRORIBC	194	18.3	57.4	189	17.0	58.3	199	19.5	56.5
Augusta	A5565 (VT2P)	193	17.6	58.8	191	16.5	59.7	196	18.6	57.9
Warren Seed	DS9314SSX	193	17.3	57.7	191	16.3	57.9	195	18.2	57.6
Armor	1555 (PRO2)	192	17.4	59.0	190	16.4	59.7	194	18.3	58.4
Warren Seed	DS9311SSX	191	16.3	56.7	188	15.5	56.7	194	17.1	56.8
Average		197	17.4	58.1	194	16.4	58.7	201	18.5	57.5

†All Yields are adjusted to 15.5% moisture.

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Southwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

Table 25. Overall average yields, moistures, and test weights of seven full-season corn hybrids evaluated in County Standard Tests and Research and Education Center Tests in Tennessee during 2014.†

Brand	Hybrid §	Avg. of CST and REC Tests			CST Tests			REC Tests		
		Avg. Yield	Moisture	Test Weight	Avg. Yield	Moisture	Test Weight	Avg. Yield (n=6)	Moisture (n=6)	Test Weight (n=1)
		bu/a	%	lbs/bu	bu/a	%	lbs/bu	bu/a	%	lbs/bu
Mycogen	2H877 (RR2/LL/SSX)	185	18.7	56.4	186	17.6	56.1	183	19.9	56.7
Warren Seed	DS9217SSX	192	19.6	58.3	191	18.8	57.7	194	20.4	58.8
Dekalb	DKC69-31	196	18.3	48.3	198	17.7	58.1	194	19.0	38.5
Terral-REV Brand	27HR83 (RR/LL/HX1)	201	17.9	59.1	197	17.8	58.7	205	18.0	59.5
Dekalb	DKC67-58 GENVT2P	201	18.5	58.6	201	17.9	59.4	202	19.0	57.9
Croplan	8621VT3P	203	17.3	57.4	206	16.7	57.4	200	18.0	57.4
Dyna-Gro	D57VP51 (VT3P)	205	17.9	47.9	204	17.0	58.7	206	18.8	37.1
Average		198	18.3	55.1	197	17.6	58.0	198	19.0	52.3

†All Yields are adjusted to 15.5% moisture.

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Soutwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

Table 26. Characteristics, as described by the seed company, of corn hybrids evaluated in yield tests in Tennessee during 2014†

Early-Season Corn Hybrid Entries		Grain		Herbicide		Released or		Seed
Brand	Hybrid \$	Color	Maturity	Tolerance	BT Gene	Experimental		Treatment
Agrigold	A6472VT2RIB	Y	110	RR	VT2Pro	R		PONCHO 500, Votivo
Agrigold	A6499STXRIB	Y	112	RR/LL	STX	R		Poncho 500, Votivo
Agrigold	A6501VT2RIB	Y	112	RR	VT2Pro	R		Poncho 500, Votivo
Agrigold	A6517VT3PRIB	Y	113	RR	VT3PRO	R		Poncho 500, Votivo
Agrigold	A6533VT2RIB	Y	113	RR	VT2Pro	R		Poncho 500, Votivo
Agrigold	A6559VT2RIB	Y	113	RR	VT2PRO	R		Poncho 500, Votivo
AgriGold	A6488VT2RIB (RR)	Y	111	RR	VT2Pro	R		Poncho 500, Votivo
AgriGold	A6524VT2RIB (RR)	Y	113	RR	VT2Pro	R		Poncho 500, Votivo
Armor	0700 (PRO2)	Y	107	RR	PRO2	R		Acceleron, Poncho, Votivo
Armor	1262 (PRO2)	Y	112	RR	PRO2	R		Acceleron, Poncho, Votivo
Armor	1314 (PRO)	Y	113	RR	PRO	R		Acceleron, Poncho, Votivo
Armor	1330 (VT3P)	Y	113	RR	VT3Pro	E		Acceleron, Poncho, Votivo
Armor	AXC2108	Y	107	RR		E		Acceleron, Poncho, Votivo
Armor	AXC3108	Y	108	RR		E		Acceleron, Poncho, Votivo
Armor	AXC4110 (SS)	Y	110	RR	SmartStax	E		Acceleron, Poncho, Votivo
Armor	AXT3111	Y	111	RR		E		Acceleron, Poncho, Votivo
Armor	AXT4109 (PRO2)	Y	109	RR	PRO2	E		Acceleron, Poncho, Votivo
Armor	AXT4113	Y	113	RR		E		Acceleron, Poncho, Votivo
Augusta	A5262 (GT/LL/CB)	Y	112	GT/LL	CB	R		
Augusta	A5658(GT/LL/CB)	Y	108	GT/LL	CB	R		
Augusta	A6664 (VT2P)	Y	113	RR	VT2Pro	R		
Beck's Hybrids	6347VR	Y	113	GT		R		Escalate
Beck's XL Brand	5828AM (RR/LL/CB)	Y	110	RR/LL	CB	E		Escalate
Beck's XL Brand	6175AM (RR/LL/CB/RW)	Y	112	RR/LL	CB	E		Escalate
Caverndale Farms	CF 834 VT2PRORIB	Y	112	RR	CB	R		Acceleron 250
Caverndale Farms	CF 837 GTCBLL	Y	113	RR/LL	CB/RW	R		Acceleron 250
Croplan	6065VT3P	Y	110	RR	VT3Pro	R		Acceleron 250
Croplan	6640VT3P	Y	113	RR	VT3Pro	R		Acceleron 250
Dekalb	DKC61-79 GENVT2PRIB	Y	111	RR	VT2Pro	R		Poncho 500/Acceleron
Dekalb	DKC61-89 GENVT2P	Y	111	RR	VT2Pro	R		Poncho 500/Acceleron
Dekalb	DKC62-08 GENSS	Y	112	RR	YG, CB, C, RW	R		Poncho 500, Acceleron
Dekalb	DKC62-77 (VT2P/RIB)	Y	112	RR/LL	VT2P/RIB	R		Poncho 500/Acceleron
Dyna-Gro	D52VC91 (VT2P)	Y	112	RR	GEN VT2Pro	R		Acceleron Poncho 500
Great Lakes	6354VT3PRIB	Y	113	RR	VT3PRO	R		Acceleron, Votivo
LG SEEDS	LG2555VT3PRIB	Y	110	RR	GENUITY CEW, ECB, FAW, CRW	R		clothianidin, Bacillus firmus, metalaxyl, ipconazole, trifloxystrobin
LG Seeds	LG5607VT2RIB	Y	111	RR	Genuity CEW, ECB, FAW	R		clothianidin, Bacillus firmus, metalaxyl, ipconazole, trifloxystrobin
LG SEEDS	LG5618STXRIB	Y	112	RR/LL	GENUITY BCW, CEW, CRW, ECB, FAW, WBC	R		clothianidin, Bacillus firmus, metalaxyl, ipconazole, trifloxystrobin
Mycogen	2V714 (RR2/LL/SSX)	Y	111	RR2/LL	SSX	R		CruiserMaxx 1250
Mycogen	2V777 (RR2/LL/SSX)	Y	113	RR2/LL	SSX	R		CruiserMaxx 1250
Mycogen	MYCX13728 (RR/LL/SSX)	Y	113	RR/LL	SSX	E		CruiserMaxx 1250
Mycogen	MYCX13751 (RR/LL/SSX)	Y	112	RR/LL	SSX	E		CruiserMaxx 1250
NK Seed	N70J-3011A (GT/LL/CB/RW)	Y	112	GT/LL	CB/RW/Artesian	R		Avicta Complete Corn 500
Steyer	11103 VT2PRORIBC	Y	111	RR	VT2Pro	R		Maxim, Quattro, Cruiser 250
Steyer	11208 VT2PRORIBC	Y	112	RR	VT2Pro	R		Maxim, Quatro, Cruiser 250
Steyer	11304 VT2PRORIBC	Y	113	RR	VT2Pro	R		Maxim, Quatro, Cruiser 250
Terral-REV Brand	17HR73 (RR/LL/HX1)	Y	107	RR/LL	HX1	R		Apron Maxx, Cruiser 250
Terral-REV Brand	18BHR84 (RR/LL/YGCB/HX1)	Y	108	RR/LL	YGCB, HX1	R		Apron Maxx, Cruiser 250
Terral-REV Brand	22BHR43 (RR/LL/CB/HX1)	Y	112	RR/LL	YGCB, HX1	R		Apron Maxx, Cruiser 250
Terral-REV Brand	23BHR55 (RR/LL/YGCB/HX1)	Y	113	RR/LL	YGCB/HX1	R		Apron Maxx, Cruiser 250
Warren Seed	DS9111SSX (RR/LL/SSX)	Y	111	RR/LL	SmartStax	R		Cruiser Maxx 250
Warren Seed	DS9212SSX	Y	112	RR/LL	SmartStax	R		Cruiser Maxx 250
Warren Seed	DS9610 (RR/CB/RW)	Y	110	RR	Agrisure 3000 GT	R		Cruiser Maxx 250
Wyffels	W7736RIB (RR/VT2P)	Y	113	RR	GEN VT2Pro	R		P500/Votivo, metalaxyl, ipconazole, tryfloxystrobin
Wyffels	W7806RIB (RR/VT2P)	Y	113	RR	GEN VT2Pro	R		P500/Votivo, metalaxyl, ipconazole, tryfloxystrobin

Table 26 (continued)

Medium-Season Corn Hybrid Entries		Grain		Herbicide	BT Gene	Released or	Seed
Brand	Hybrid \$	Color	Maturity	Tolerance		Experimental	Treatment
Agrigold	A6573VT2RIB	Y	114	RR	VT2Pro	R	Poncho 500, Votivo
Agrigold	A6659VT2RIB	Y	116	RR	VT2Pro	R	Poncho 500, Votivo
AgriGold	A6574STX (RR/LL)	Y	114	RR/LL	STX	R	Poncho 500, Votivo
Armor	1616 (PRO3)	Y	115	RR	PRO3	R	Acceleron, Poncho, Votivo
Armor	AXC3114	Y	116	RR		R	Acceleron, Poncho, Votivo
Armor	1550 (PRO2)	Y	115	RR	PRO2	R	Acceleron, Poncho, Votivo
Augusta	A5565 (VT2P)	Y	115	RR	VT2PRO	R	
Augusta	A5566 (GT/LL/CB)	Y	116	GT/LL	CB	R	
Augusta	A8064 (VT2P/RIB)	Y	114	RR	VT2Pro/RIB	R	
Beck's Hybrids	6948A3 (LL/GT/CB/RW)	Y	115	LL/GT	CB/RW	R	Escalate
Beck's Hybrids	Phoenix 6542A4 (LL/GT/CB/RW)	Y	115	LL/GT	CB/RW	E	Escalate
Beck's XL Brand	6626AM (RR/LL/CB)	Y	114	RR/LL	CB	E	Escalate
Armor	1555	Y					
Croplan	7087VT3P	Y	114	RR	VT3Pro	R	Acceleron 250
Croplan	7927VT3P	Y	116	RR	VT3Pro	R	Acceleron 250
DeKalb	DKC64-69 GENVT3P	Y	114	RR	VT3Pro	R	Poncho 500, Acceleron
Dekalb	DKC66-40 GENSSRIB	Y	116	RR	YG, CB, C, RW	R	Poncho 500, Acceleron
Dekalb	DKC66-87 GENVT2P	Y	116	RR	VT2Pro	R	Poncho 500/Acceleron
DeKalb	DKC66-97 GENVT2P	Y	116	RR	VT2Pro	R	Poncho 500, Acceleron
Dyna-Gro	D54VP81 (VT3P)	Y	114	RR	GEN VT3Pro	R	Acceleron Poncho 500
Dyna-Gro	D55VP77 (VT3P)	Y	115	RR	GEN VT3Pro	R	Acceleron Poncho 500
Great Lakes	6462STXRIB	Y	114	RR/LL	SmartStax	R	Acceleron, Votivo
Great Lakes	6686VT3PRIB	Y	116	RR	VT3PRO	R	Acceleron, Votivo
LG Seeds	LG5638VT2PRO	Y	114	RR	Genuity CEW, ECB, FAW	R	clothiandin, Bacillus firmus, metalaxyl, ipconazole, trifloxystrobin
LG Seeds	LG5701VT2RIB	Y	116	RR	Genuity CEW, ECB, FAW	R	clothiandin, Bacillus firmus, metalaxyl, ipconazole, trifloxystrobin
Mycogen	2C786 (RR2/LL/SSX)	Y	115	RR2/LL	SSX	R	CruiserMaxx 1250
Mycogen	2C797 (RR2/LL/SSX)	Y	115	RR2/LL	SSX	R	CruiserMaxx 1250
Mycogen	2J794 (RR2/LL/HX1)	Y	115	RR2/LL	HX1	R	CruiserMaxx 1250
Mycogen	2Y816 (RR2/LL/HX1)	Y	115	RR2/LL	HX1	R	CruiserMaxx 1250
NK Seed	N78S-3111 (GT/LL/CB/RW/VIP)	Y	116	GT/LL	CB/RW/VIP	R	Avicta Complete Corn 500
NK Seed	N79T-3111 (GT/LL/CB/RW/VIP)	Y	116	GT/LL	CB/RW/VIP	R	Avicta Complete Corn 500
Progeny	PGY 4114VT2P (RR2)	Y	114	RR2	GEN VT2Pro	R	Acceleron 1250
Progeny	PGY 4115VT2P (RR2)	Y	115	RR2	GEN VT2Pro	R	Acceleron 1250
Progeny	PGY EXP15VT2P (RR2)	Y	115	RR2	GEN VT2Pro	R	Acceleron 1250
Progeny	PGY EXP14SS	Y	114	RR2	SSX	E	Acceleron 1250
Steyer	11406 GENSSRIBC (RR/LL)	Y	114	RR/LL	SmartStax (CB, RW, CEW, FAW)	R	Maxim, Quatro, Cruiser 250
Steyer	11407 VT2PRORIBC	Y	114	RR	VT2Pro	E	Maxim, Apron, Dynasty, Quattro, Cruiser
Steyer	11504 VT2PRORIBC	Y	115	RR	VT2Pro	R	Apron, Maxim, Dynasty, Crusier, Quattro
Steyer	11604 VT2PRORIBC	Y	116	RR	VT2Pro	R	Maxim, Quatro, Cruiser 250
Terral-REV Brand	24BHR93 (RR/LL/CB/HX1)	Y	114	RR/LL	YGCB, HX1	R	Apron Maxx, Cruiser 250
Terral-REV Brand	25BHR44 (RR/LL/YGCB/HX1)	Y	115	RR/LL	YGCB, HX1	R	Apron Maxx, Cruiser 250
Warren Seed	DS11509SSX	Y	115	RR/LL	SmartStax	R	Cruiser Maxx 250
Warren Seed	DS9311SSX	Y	114	RR/LL	SmartStax	R	Cruiser Maxx 250
Warren Seed	DS9314SSX	Y	114	RR/LL	SmartStax	R	Cruiser Maxx 250
Warren Seed	DS9713SSX	Y	115	RR/LL	SmartStax	R	Cruiser Maxx 250
Wyffels	W7888RIB (RR/LL/SSX)	Y	114	RR/LL	GENSS	R	P500/Votivo, metalaxyl, ipconazole, tryfloxystrobin
Wyffels	W8377 (RR/VT3P)	Y	115	RR	GEN VT3Pro	R	P500/Votivo, metalaxyl, ipconazole, tryfloxystrobin

Table 26 (continued)

Full-Season Corn Hybrid Entries		Grain		Herbicide		Released or	Seed
Brand	Hybrid §	Color	Maturity	Tolerance	BT Gene	Experimental	Treatment
Agrigold	A6687VT2PRO	Y	117	RR	VT2PRO	R	Poncho 500, Votivo
AgriGold	A6719VT2PRO (RR)	Y	118	RR	VT2Pro	R	Poncho 500, Votivo
Augusta	A8868 (VT3P)	Y	118	RR	VT3Pro	R	
Beck's Hybrids	6967VR	Y	119	LL/GT	CB	R	Escalate
Beck's XL Brand	6778AM (RR/LL/CB)	Y	117	RR/LL	CB	E	Escalate
Caverndale Farms	883 GTCBLL	Y	117	RR	CB	R	Acceleron 250
Caverndale Farms	CF 894 VT2PRORIB	Y	117	RR	CB	R	Acceleron 250
Croplan	8512DGV2P	Y	117	RR/DG	VT2Pro	R	Acceleron 250
Croplan	8621VT3P	Y	117	RR	VT3Pro	R	Acceleron 250
Dekalb	DKC67-58 GENVT2P	Y	117	RR	VT2Pro	R	Poncho 500/Acceleron
Dekalb	DKC69-31	Y	119	RR	VT2Pro	R	Poncho 500/Acceleron
Dyna-Gro	D57VP51 (VT3P)	Y	117	RR	GEN VT3Pro	R	Acceleron Poncho 500
Mycogen	2H877 (RR2/LL/SSX)	Y	117	RR2/LL	SSX	R	CruiserMaxx 1250
Mycogen	MYCX13809 (RR/LL/HX1)	Y	118	RR/LL	HX1	E	CruiserMaxx 1250
Mycogen	MYCX13810 (RR/LL/HX1)	Y	118	RR/LL	HX1	E	CruiserMaxx 1250
Mycogen	MYCX13826 (RR/LL/SSX)	Y	117	RR/LL	SSX	E	CruiserMaxx 1250
NK Seed	N83D-3000GT (GT/LL/CB/RW)	Y	118	GT/LL	CB/RW	R	Avicta Complete Corn 500
Progeny	PGY 4117VT2P (RR2)	Y	117	RR2	GEN VT2Pro	R	Acceleron 1250
Terral-REV Brand	27HR83 (RR/LL/HX1)	Y	117	RR/LL	HX1	R	Apron Maxx, Cruiser 250
Terral-REV Brand	28HR20 (RR/LL/HX1)	Y	118	RR/LL	HX1	R	Apron Maxx, Cruiser 250
Terral-REV Brand	28R10 (RR)	Y	118	RR		R	Apron Maxx, Cruiser 250
TN Exp	TN 1203W	W	118			E	Cruiser Maxx/Dividend XL
TN EXP	TN 1401	Y	Full			E	Cruiser Maxx/Dividend XL
Warren Seed	DS9217SSX	Y	117	RR/LL	SmartStax	R	Cruiser Maxx 250

§ If a trait appears inside parenthesis i.e. (RR/CB), then it is not part of the hybrid name.

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for to CL = contains a gene for tolerance to Imidazolinone class herbicides

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm, and glyphosate resistance

VIP or Viptera = contains genes for corn earworm, black cutworm, dingy cutworm, and stalk borer resistance

SSX, SS, SmartStax = contains genes for European corn borer, Soutwestern corn borer, Northern corn rootworm, Western corn rootworm, fall armyworm, Western bean cutworm, black cutworm, glyphosate, and glufosinate resistance

† Information on this table provided by the respective seed companies.

Table 27. Contact information for corn hybrid seed companies evaluated in yield tests in Tennessee during 2014.

Company	Contact	Phone	Email	Web site	Address
Agrigold Hybrids	Lee Herring	270-399-5558		www.agrigold.com	RR#1 Box 203, St. Francisville, IL 62460
Armor Seed	Chris Ouzts	662-719-3157	chrisouzts@armorseed.com	www.armorseed.com	2528 Alexander Drive, Jonesboro, AR 72401 P.O. Box 178, Fisher, AR 72429 6497 Turner Landing Rd., LaCenter, KY 42056
Augusta Seed Corporation	Matt Rawley	540-255-5902	matt.rawley@augustaseed.com	www.augustaseed.com/	473 Tisdale Farm Ln, Stuarton, VA 24401
Beck's Superior Hybrids (Beck's & XL Brand)	Beck's Hybrids	800-937-2325		www.beckshybrids.com	6767 East 276th Street, Atlanta, IN 46031
Caverndale Farms	Foothills Farmers Coop Johnson City Chemicals Maury Farmers Coop				
Croplan Genetics	Jesse Witt (Mid./East TN) Keith Saum (West TN) Eric Kennedy (NW TN) Jack Christian (Mid. TN)	256-221-5932 731-610-7006 270-752-0605 615-653-8832	JBWitt@landolakes.com KDSaum@landolakes.com ESKeneedy@landolakes.com	www.croplangenetics.com	Tennessee Farmers Co-op Locations
Monsanto (Dekalb)	Larry Ganann	901-326-7140	larry.w.ganann@monsanto.com	www.monsanto.com www.dekalb.com	800 N. Lindberg Blvd, St. Louis, MO 63167
Crop Production Services (Dyna-Gro)	Dewain Riley	731-223-9876	dewain.riley@cpsaqu.com	www.dynagroseed.com	710 South First Street, Union City, TN 38261
Great Lakes Hybrids	Jacob Kibbons	270-903-9875	jacob.kibbons@greatlakeshybrids.com	www.greatlakeshybrids.com/	Bloomington, IN
LG Seeds	Jesse Grogan	765-426-2763	jesse.grogan@lgseeds.com	www.lgseeds.com/	22827 Shissler Rd., Elmwood, IL 61529
Mycogen Seed	Todd McClellan	317-522-6641	tmcclelan@dow.com	www.dowagro.com/mycogen	3563 Hilty Road, Export, PA 15632
Progeny Ag Products	Hillary Spain	870-208-6032	hillary@progenyag.com	www.progenyag.com/	
Steyer Seeds	Kevin Swanks	423-506-1008	kevinswanks@steyerseeds.com	www.steyerseeds.com	6154 N. Co. Rd. 33, Tiffin, OH 44883
NK Brand (Syngenta)	Mike Saxton	270-792-5885	mike.saxton@syngenta.com	www.nk-us.com	CAP, Co-op, CPS, Helena, Sanders
Terral Seed Inc (Rev Brand)	Dr. Phil Michener Marty Hale	662-822-8242	pmichener@terralseed.com mhale@terralseed.com	www.terralseed.com	111 Ellington Dr., Rayville, LA 71269
University of Tennessee	Dennis West	865-974-8826	dwest3@utk.edu		3421 Joe Johnson Dr, Knoxville, TN 37996-4561
Warren Seed	Lanny Warren	731-234-2921	lanny.warren@charter.net	www.dairylandseed.com	208 South Thompson St., Union City, TN 38261