RR 16-02

Corn Grain Hybrid Tests in Tennessee 2015

Fred L. Allen
Coordinator, Agronomic Crop Variety Testing and Demonstrations

Virginia R. Sykes
Research Associate, Agronomic Crop Variety Testing and Demonstrations

Amanda J. Ashworth
Post-Doctoral Research Associate, Agronomic Crop Variety Testing and Demonstrations

Victoria Benelli
Research Associate, Agronomic Crop Variety Testing and Demonstrations

Ryan Blair
UT Extension Area Grains and Cotton Specialist

Angela Thompson McClure
Extension Specialist, Corn and Soybeans

Agronomic Crop Variety Testing and Demonstrations,
Department of Plant Sciences
Institute of Agriculture

Telephone 865-974-8821 • Fax 865-974-1947
• Email: allenf@utk.edu

Variety test results are posted online at varietytrials.tennessee.edu, www.utcrops.com and extension.tennessee.edu/publications

UTEXTENSION
INSTITUTE OF AGRICULTURE
THE UNIVERSITY OF TENNESSEE

UTAGRESEARCH
INSTITUTE OF AGRICULTURE
THE UNIVERSITY OF TENNESSEE

Acknowledgments

This research was funded by UT AgResearch and UT Extension with partial funding from participating companies.

We gratefully acknowledge the assistance of the following individuals in conducting these experiments:

Department of Plant Sciences
Dr. Dennis West, Professor and Grains Breeder
Mr. David Kincer, Research Associate

AgResearch and Education Centers:

East Tennessee, Knoxville
Dr. Robert Simpson, Center Director
Mr. BJ DeLozier, Farm Manager
Mr. Derick Hopkins, Service Supervisor

Highland Rim, Springfield
Dr. Barry Sims, Center Director
Mr. Brad S. Fisher, Research Associate

Milan
Dr. Blake Brown, Center Director
Mr. Jason Williams, Research Associate
Mr. James McClure, Research Associate
Mr. Chris Bridges, Research Associate

Ames Plantation, Grand Junction
Dr. Rick Carlisle, Center Director
Mr. Jamie Evans, Research Associate

Agricenter International, Memphis
Dr. Bruce Kirksey, Director

County Standard Corn Tests

Coordinator: **Ryan H. Blair**, Area Specialist II, Grain Crops & Cotton

County	Producer	Agent
Early Season Corn Hybrid Test (RR and Stacked)		
Calloway, KY	Taylor Store Farms/Mitch Jackson	Tim Lax
Coffee	Robert Gilley	Steve Harris
Dyer	Carl & Marvin Schultz	Tim Campbell
Fayette	Mark McNabb	Jeff Via
Gibson	Denton Parkins	Philip Shelby
Giles	Pat Sulcer	Kevin Rose
Henry (1)	Tosh Farms	Ranson Goodman
Henry (2)	Caleb Brannon Farms	Ranson Goodman
Henderson	Billy Hatchett	Ron Blair
Lake	John Lindamood	Greg Allen
Lauderdale	Bill and Andy Parker	J.C. Dupree
Madison	David Martin	Jake Mallard
Obion	Bill Thompson	Tim Smith
Tipton	David Dees	Becky Muller
Weakley	David Oliver	Jeff Lannom
Medium Season Corn Hybrid Test (RR & Stacked)		
Calloway, KY	Taylor Store Farms/Mitch Jackson	Tim Lax
Cannon	Johnny and Judy Powell	Bruce Steelman
Carlisle, KY	Brad Reddick	Bob Middleton
Coffee	Robert Gilley	Steve Harris
Dyer	Carl and Marvin Schultz	Tim Campbell
Fayette	Joey and Joseph McNabb	Jeff Via
Gibson	Denton Parkins	Philip Shelby
Hardeman	Barry and Brian Lake	Lindsey Griffin
Haywood	Chester King	Walter Battle
Henderson	Billy Hatchett	Ron Blair
Henry (1)	Tosh Farms	Ranson Goodman
Henry (2)	Caleb Brannon Farms	Ranson Goodman
Hickman	Claude Callicott	Troy Dugger
Lake	Terry Petty	Greg Allen
Lauderdale	Mike Escue	J.C. Dupree
Madison	Matt Griggs	Jake Mallard
McCracken, KY	Jeff Sullivan	Bob Middleton
Obion	Seth Taylor	Tim Smith
Perry	Craig and Tim Byrd	Amanda Mathenia
Robertson	Freddie Edwards	Paul Hart
Smith	George McDonald CATESA Farms	Chris Hicks
Tipton	David Dees	Becky Muller
Weakley	Luke Cochran	Jeff Lannom

County Standard Corn Tests

Coordinator: **Ryan H. Blair**, Area Specialist II, Grain Crops & Cotton

County	Producer	Agent
Full Season Corn Hybrid Test (RR & Stacked)		
Calloway, KY	Taylor Store Farms/Mitch Jackson	Tim Lax
Cannon	Johnny and Judy Powell	Bruce Steelman
Crockett	Young Farmers & Ranchers	Richard Buntin
Dyer	Carl and Marvin Schultz	Tim Campbell
Fayette	Joey and Joseph McNabb	Jeff Via
Gibson	Denton Parkins	Philip Shelby
Giles	Pat Sulcer	Kevin Rose
Henderson	Billy Hatchett	Ron Blair
Henry (1)	Tosh Farms	Ranson Goodman
Henry (2)	Jarred and Autum Barker	Ranson Goodman
Lake	Hopper Farms	Greg Allen
Lauderdale	Bill and Andy Parker	J.C. Dupree
Madison	David Martin	Jake Mallard
Montgomery	Todd Moore	Rusty Evans
Obion	Bill Thompson	Tim Smith
Tipton	David Dees	Becky Muller
Weakley	Brian Garner	Jeff Lannom

Table of Contents

Experimental Procedures 6
Interpretation of Data 7
Results 7
Ag**Research & Education Center Information** 9

AgResearch & Education Center Tests
Early-season Hybrids 10
Medium-season Hybrids 18
Full-season Hybrids 26

County Standard Tests
Early-season RR Stacked Hybrids 31
Medium-season RR Stacked Hybrids 32
Full-season RR Stacked Hybrids 33

Common Hybrids in County Standard and AgResearch and Education Center Tests
Early-season Hybrids 34
Medium-season Hybrids 35
Full-season Hybrids 36

Corn Hybrid Characteristics 37

Seed Company Contact Information 40

CORN GRAIN VARIETY TESTS IN TENNESSEE

AGRESEARCH AND EDUCATION CENTER TESTS

2015

Experimental Procedures:

AgResearch 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) AgResearch 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 AgResearch 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 36,000 plants per acre for irrigated plots and 34,000 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 approximately 230 lbs/a nitrogen. A portion of the nitrogen was applied prior to planting (e.g. 80 lbs/a) and the remainder was applied as a side-dress (e.g. 150 lbs/a). 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 21 counties in Tennessee, and two 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 2015 growing season was characterized by a wet spring which delayed planting. In mid-April, only 6% of the corn crop had been planted, well behind the five year average of 43%. By mid-May, drier weather allowed for a rapid return to planting schedules and 84% of corn had been planted. Persistent rains early in the season made weeds especially problematic in many producer's fields due to an inability to treat fields because of the wet conditions. By mid-August, 84% of the crop rated good to excellent. Corn harvest timing was consistent with the five year average, and by mid-October, 87% of corn for grain had been harvested. According to the Tennessee Agricultural Statistics Service, producers planted 770,000 acres this year, a decrease of 110,000 acres from 2014. Acreage harvested for grain is projected to be 710,000 acres, down 130,000 acres from last season. Corn grain production for 2015 is projected to be 117.15 million bushels, averaging 165 bu/a, a decrease in production of 20% and a decrease in yield of 3 bu/a compared to 2014.

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 (the moisture standard for U.S. No. 2 corn).** 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 2015 **AgResearch and Education Center (REC)** tests in Tennessee. There were 39 hybrids in the early- (Tables 2- 7), 36 in the medium- (Tables 8-13), and 23 hybrids in the full-season (Tables 14-19). The 98 hybrids represent 18 different brands (Table 27). The **County Standard (CS)** tests consisted of a early-season glyphosate resistant and Bt stacked trait test (24 hybrids at 13 locations, Table 20), a medium-season glyphosate resistant and Bt stacked trait test (28 hybrids at 21 locations, Table 21), and a full-season glyphosate resistant ant Bt stacked trait test (16 hybrids at 14 locations, Table 22) for a total of 68 hybrids. In addition to 21 Tennessee counties, the County Standard tests involved Carlisle and McCracken counties in Western Kentucky. Common to both the REC and CS tests were 18 early-season, 23 medium-season, and 12 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.

Eighty-eight of the 98 hybrids in the 2015 REC tests have a Bt gene for Corn Borer resistance (denoted by Bt, YG, CB, YGCB, HX, VT2, VT3); 17 have a gene for Corn Root Worm resistance (denoted by RW, VT3); 94 have a Roundup Ready gene for tolerance to glyphosate herbicide (denoted by R, RR, RR2,GT); 36 have a gene for tolerance to Liberty (glufosinate) herbicide (denoted by LL); four hybrids are conventional and contain no transgenes; six hybrids contain a single transgene; 88 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 AgResearch and Education Centers with and without irrigation. Due to dry periods, 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: 32 bu/a for early-season hybrids (Table 2), 43 bu/a for medium-season hybrids (Table 8), and 56 bu/a for full-season hybrids (Table 14). Results were similar at Highland Rim for early season hybrids, with a difference of 32 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 66 bu/a for medium-season hybrids (Table 11), and 89 bu/a for full-season hybrids (Table 14).

Table 1. Location information from AgResearch and Education Centers where the corn hybrid tests were conducted in Tennessee in 2015.

AgResearch and Education Center	Location	Planting Date	Harvest Date	Plant Population	Soil Type
Early Season Corn Hybrids					
East Tennessee	Knoxville	April 22, 2015	September 11, 2015	31,541	Sequatchie Silt Loam
Highland Rim (irrigated)	Springfield	April 23, 2015	September 16, 2015	31,262	Dickson Silt Loam
" " (non-irrigated)	"	April 23, 2015	September 15, 2015	31,661	Staser Silt Loam
Milan (irrigated)	Milan	April 24, 2015	September 8, 2015	34,103	Grenada Silt Loam
" (non-irrigated)	"	April 24, 2015	September 8, 2015	29,732	Grenada Silt Loam
Ames Plantation	Grand Junction	April 28, 2015	September 21, 2015	-	Lexington Silt Loam
Agricenter International	Memphis	April 21, 2015	October 6, 2015	27,878	Falaya Silt Loam

AgResearch and Education Center	Location	Planting Date	Harvest Date	Plant Population	Soil Type
Medium Season Corn Hybrids					
East Tennessee	Knoxville	April 22, 2015	September 14, 2015	-	Sequatchie Silt Loam
Highland Rim (irrigated)	Springfield	April 23, 2015	September 16, 2015	31,525	Mountview Silt Loam
" " (non-irrigated)	"	April 23, 2015	September 15, 2015	33,340	Mountview Silt Loam
Milan (irrigated)	Milan	April 24, 2015	September 14, 2015	34,813	Grenada Silt Loam
" (non-irrigated)	"	April 24, 2015	September 8, 2015	29,468	Grenada Silt Loam
Ames Plantation	Grand Junction	April 28, 2015	September 21, 2015	-	Lexington Silt Loam
Agricenter International	Memphis	April 21, 2015	October 7, 2015	27,238	Falaya Silt Loam

AgResearch and Education Center	Location	Planting Date	Harvest Date	Plant Population	Soil Type
Full Season Corn Hybrids					
East Tennessee	Knoxville	April 22, 2015	September 18, 2015	30,109	Sequatchie Silt Loam
Highland Rim (irrigated)	Springfield	April 23, 2015	September 15, 2015	30,109	Sango Silt Loam
" " (non-irrigated)	"	April 23, 2015	September 15, 2015	32,513	Mountview Silt Loam
Milan (irrigated)	Milan	April 24, 2015	September 14, 2015	35,021	Grenada Silt Loam
" (non-irrigated)	"	April 24, 2015	September 14, 2015	30,343	Grenada Silt Loam
Ames Plantation	Grand Junction	April 28, 2015	September 22, 2015	-	Lexington Silt Loam

Table 2. Mean yields of 39 early-season (<114 DAP) corn hybrids evaluated in seven environments in Tennessee during 2015.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=7)	Knoxville	Springfield (Irr.)	Springfield (Non-Irr.)	Milan (Irr.)	Milan (Non-Irr.)	Ames	AgCenter Memphis
		bu/a							
Armor	1330 VT2P	211 ± 4	256	228	202	258	215	196	120
Beck's XL Brand	6365AM (RR/LL/CB)	209 ± 4	250	251	203	258	221	166	114
Beck's XL Brand	6158AM (RR/LL/CB)	205 ± 3	249	237	181	250	229	182	107
AgriGold	A6488VT2RIB	203 ± 3	257	237	204	236	203	182	106
AgriGold	A6517VT3PRIB	202 ± 3	264	214	180	252	215	169	118
Dekalb	DKC63-60 GENSS RIB	201 ± 3	255	230	191	232	214	196	93
Mycogen	X13813VH (RR2/Bt)	200 ± 4	233	223	195	238	207	187	119
Beck's Hybrids	6347VR (GT/LL/CB/VIP)	198 ± 3	246	236	189	221	220	179	99
Terral-REV	23BHR55 (RR2/LL/YGCB/HX1)	198 ± 3	241	215	205	245	197	187	98
AgriGold	A6542DGVT2PRO	197 ± 3	246	235	175	238	198	180	109
Dekalb	DKC61-88 GENVT3P	197 ± 3	228	237	187	245	209	179	97
Caverndale Farms	CF 834 VT2PRORIB	197 ± 3	271	206	204	226	218	145	109
AgriGold	A6501VT2RIB	197 ± 3	256	205	181	254	203	165	111
LG Seeds	LG5607VT2RIB	196 ± 4	235	225	172	238	209	187	109
LG Seeds	LG2636VT3PRIB	195 ± 3	243	215	180	237	206	166	119
Armor	0808 VT2PRIB	195 ± 3	258	210	206	232	215	181	63
AgriGold	A6411STX	195 ± 4	236	229	177	231	208	175	108
Mycogen	X13759S3 (SSX)	194 ± 4	221	216	188	224	223	161	127
LG Seeds	LG5618VT2RIB	193 ± 3	243	229	177	222	202	183	94
Augusta	A5262 (GT/LL/RW)	192 ± 3	206	218	186	245	198	185	107
Dekalb	DKC62-08 GENSS	191 ± 3	250	213	188	223	196	169	99
AgriGold	A6499STXRIB	191 ± 3	256	177	190	232	197	188	95
Terral-REV	22BHR43 (RR2/LL/YGCB/HX1)	190 ± 3	224	231	202	233	192	150	96
Croplan	6640VT3P RIB	189 ± 3	252	224	181	222	200	153	95
Armor	AXC5112 SS	188 ± 4	235	217	178	223	194	162	103
Warren Seed	DS 9111SSX	187 ± 4	235	217	175	225	165	169	126
Croplan	6065VT3P RIB	187 ± 4	216	217	185	230	208	175	81
AgriGold	A6472VT2RIB	187 ± 3	215	235	169	228	195	168	96
Augusta	A4363 (RR/CB)	186 ± 3	221	203	189	236	178	166	110
Terral-REV	18BHR84 (RR2/LL/YGCB/HX1)	186 ± 3	232	232	198	230	179	151	79
NK Seed	N59B-3111A (RR/LL/CB/RW/VIP)	184 ± 4	204	209	176	236	206	177	80
Steyer	11210 VT2PRORIBC	183 ± 3	218	215	186	232	186	153	94
Mycogen	2Y744 (RR2)	183 ± 3	203	217	174	224	185	156	125
Caverndale Farms	CF 837 GTCBLL	183 ± 3	214	185	181	223	205	165	107
Warren Seed	DS 9212SSX	180 ± 3	231	207	191	211	178	154	86

Table 2 (continued)

Brand	Hybrid §	Avg. Yield† ± Std Err (n=7)	Knoxville	Springfield (Irr.)	Springfield (Non-Irr.)	Milan (Irr.)	Milan (Non-Irr.)	Ames	AgCenter Memphis
		---------- bu/a----------							
Warren Seed	DS 9610 (GT/LL//CB/RW)	178 ± 4	226	195	168	212	193	152	101
Armor	1033 VT2P	177 ± 4	224	201	193	223	178	143	78
Augusta	A5658 (RR/LL/CB)	177 ± 3	231	208	157	217	183	149	92
Steyer	11103 VT2PRORIBC	176 ± 3	213	194	177	212	179	145	116
	Avg. (bu/a)	**192**	**236**	**218**	**186**	**232**	**200**	**169**	**102**
	L.S.D.$_{.05}$ (bu/a)	**9**	**20**	**32**	**26**	**20**	**19**	**29**	**19**
	C.V. (%)	**7.6**	**5.3**	**9.0**	**8.4**	**5.2**	**6.0**	**9.8**	**11.3**

§ 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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

Table 3. Overall mean yields and agronomic characteristics of 39 early-season corn hybrids evaluated in seven environments in Tennessee during 2015.

Brand	Hybrid §	Avg. Yield† ± Std Error (n=7)	Moisture at Harvest (n=7)	Test Weight (n=1)	Lodging (n=2)	Plant Height‡ (n=3)	Ear Height‡ (n=3)	Protein (n=1)	Oil (n=1)	Starch (n=1)
		bu/a	%	lbs/bu	%	in.	in.	%	%	%
Armor	1330 VT2P	211 ± 4	16.3	60.3	0	102	44	7.5	3.7	62.4
Beck's XL Brand	6365AM (RR/LL/CB)	209 ± 4	17.0	57.1	0	106	48	7.3	3.8	62.2
Beck's XL Brand	6158AM (RR/LL/CB)	205 ± 3	15.0	57.8	0	102	44	7.1	3.6	62.5
AgriGold	A6488VT2RIB	203 ± 3	15.9	59.5	1	98	47	7.8	3.9	61.6
AgriGold	A6517VT3PRIB	202 ± 3	17.2	57.4	2	102	45	7.7	4.2	61.2
Dekalb	DKC63-60 GENSS RIB	201 ± 3	17.0	59.3	0	98	45	7.6	4.0	61.7
Mycogen	X13813VH (RR2/Bt)	200 ± 4	17.5	54.7	0	100	45	8.2	4.0	61.3
Beck's Hybrids	6347VR (GT/LL/CB/VIP)	198 ± 3	17.1	59.5	0	103	47	7.7	3.9	61.8
Terral-REV	23BHR55 (RR2/LL/YGCB/HX1)	198 ± 3	16.5	58.6	1	106	47	7.3	3.6	62.5
AgriGold	A6542DGVT2PRO	197 ± 3	16.3	59.3	0	97	43	7.5	3.8	61.9
Dekalb	DKC61-88 GENVT3P	197 ± 3	15.8	58.0	0	99	45	8.1	3.7	61.8
Caverndale Farms	CF 834 VT2PRORIB	197 ± 3	16.9	59.7	1	93	40	8.1	4.1	61.3
AgriGold	A6501VT2RIB	197 ± 3	17.5	60.5	0	98	41	7.5	4.0	61.9
LG Seeds	LG5607VT2RIB	196 ± 4	16.3	58.6	7	95	43	8.0	3.7	61.7
LG Seeds	LG2636VT3PRIB	195 ± 3	16.8	58.0	0	95	38	7.5	4.1	61.4
Armor	0808 VT2PRIB	195 ± 3	14.6	58.7	0	100	43	7.7	3.9	61.8
AgriGold	A6411STX	195 ± 4	15.4	58.5	0	99	46	7.3	4.0	61.9
Mycogen	X13759S3 (SSX)	194 ± 4	15.9	58.5	0	102	45	8.0	4.3	61.0
LG Seeds	LG5618VT2RIB	193 ± 3	16.1	60.0	0	93	41	7.9	4.0	61.6
Augusta	A5262 (GT/LL/RW)	192 ± 3	17.1	57.5	0	104	48	8.0	3.8	61.8
Dekalb	DKC62-08 GENSS	191 ± 3	16.1	58.8	0	91	43	7.6	3.8	62.0
AgriGold	A6499STXRIB	191 ± 3	17.0	59.3	0	92	42	7.7	4.1	61.7
Terral-REV	22BHR43 (RR2/LL/YGCB/HX1)	190 ± 3	16.5	59.9	0	109	48	8.1	3.5	62.3
Croplan	6640VT3P RIB	189 ± 3	16.8	59.6	0	92	42	7.8	4.1	61.8
Armor	AXC5112 SS	188 ± 4	16.0	59.2	0	97	42	7.9	3.8	61.5
Warren Seed	DS 9111SSX	187 ± 4	16.1	57.4	4	98	45	7.3	3.8	62.0
Croplan	6065VT3P RIB	187 ± 4	15.4	58.3	0	102	48	8.5	3.8	61.6
AgriGold	A6472VT2RIB	187 ± 3	16.5	58.6	0	101	44	7.6	3.8	61.9
Augusta	A4363 (RR/CB)	186 ± 3	16.9	57.5	0	102	41	8.0	3.8	61.6
Terral-REV	18BHR84 (RR2/LL/YGCB/HX1)	186 ± 3	15.8	58.6	0	98	41	7.4	3.7	62.3
NK Seed	N59B-3111A (RR/LL/CB/RW/VIP)	184 ± 4	16.6	56.5	0	104	45	6.7	3.8	62.4
Steyer	11210 VT2PRORIBC	183 ± 3	16.6	57.7	0	99	40	7.5	3.7	62.0
Mycogen	2Y744 (RR2)	183 ± 3	15.8	55.2	0	87	37	7.2	3.9	61.7
Caverndale Farms	CF 837 GTCBLL	183 ± 3	18.6	57.3	0	108	50	8.2	3.7	61.9
Warren Seed	DS 9212SSX	180 ± 3	15.6	56.2	2	98	47	8.3	4.0	61.3

Table 3 (continued)

Brand	Hybrid §	Avg. Yield† ± Std Error (n=7)	Moisture at Harvest (n=7)	Test Weight (n=1)	Lodging (n=2)	Plant Height (n=3)	Ear Height (n=3)	Protein (n=1)	Oil (n=1)	Starch (n=1)
		bu/a	%	lbs/bu	%	in.	in.	%	%	%
Warren Seed	DS 9610 (GT/LL//CB/RW)	178 ± 4	15.3	58.7	0	96	44	8.1	4.0	61.6
Armor	1033 VT2P	177 ± 4	16.1	59.4	0	97	41	8.1	3.8	61.9
Augusta	A5658 (RR/LL/CB)	177 ± 3	15.7	58.9	1	97	46	8.0	3.9	61.8
Steyer	11103 VT2PRORIBC	176 ± 3	15.5	59.4	0	97	41	7.4	4.0	61.5
	Average	**192**	**16.3**	**58.4**	**0.5**	**98.9**	**43.9**	**7.7**	**3.9**	**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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

†All Yields are adjusted to 15.5% moisture.

‡Average of Knoxville and Springfield.

Protein, Oil, and Starch on a dry weight basis

Table 4. Mean yields of 25 early-season (<114 DAP) corn hybrids evaluated in seven environments for two years (2014-2015) in Tennessee.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=14)	Knoxville	Springfield (Irr.)	Springfield (Non-Irr.)	Milan (Irr.)	Milan (Non-Irr.)	Ames	AgCenter Memphis
					bu/a				
Armor	1330 VT2P	205 ± 3	235	206	184	268	224	202	115
AgriGold	A6501VT2RIB	201 ± 3	234	201	166	266	216	192	134
Terral-REV	23BHR55 (RR2/LL/YGCB/HX1)	201 ± 3	224	212	177	272	221	196	104
AgriGold	A6488VT2RIB	201 ± 3	232	205	184	255	217	204	109
AgriGold	A6517VT3PRIB	200 ± 3	228	207	166	270	223	192	114
LG Seeds	LG5618VT2RIB	198 ± 3	233	196	176	250	218	199	111
LG Seeds	LG5607VT2RIB	197 ± 3	221	205	171	253	211	204	116
Beck's Hybrids	6347VR (GT/LL/CB/VIP)	197 ± 3	223	218	171	248	225	187	109
AgriGold	A6499STXRIB	195 ± 3	245	184	173	250	209	193	113
Armor	0808 VT2PRIB	195 ± 3	232	197	183	255	217	196	86
Croplan	6640VT3P RIB	195 ± 3	240	206	173	260	215	165	105
Augusta	A5262 (GT/LL/RW)	195 ± 3	198	219	175	253	218	190	110
Caverndale Farms	CF 834 VT2PRORIB	194 ± 3	230	206	175	244	214	170	120
Dekalb	DKC62-08 GENSS	193 ± 3	227	202	184	243	217	176	103
AgriGold	A6472VT2RIB	192 ± 3	204	211	160	252	212	193	108
Terral-REV	18BHR84 (RR2/LL/YGCB/HX1)	189 ± 3	219	212	171	247	200	178	95
Warren Seed	DS 9212SSX	188 ± 3	219	201	181	230	206	184	91
Steyer	11103 VT2PRORIBC	187 ± 3	210	202	163	237	198	180	121
Croplan	6065VT3P RIB	187 ± 3	203	206	163	248	215	179	96
Warren Seed	DS 9111SSX	186 ± 3	222	196	155	237	198	179	115
Terral-REV	22BHR43 (RR2/LL/YGCB/HX1)	186 ± 3	213	192	182	252	207	173	83
Caverndale Farms	CF 837 GTCBLL	185 ± 3	200	182	160	242	210	188	115
Warren Seed	DS 9610 (GT/LL//CB/RW)	185 ± 3	212	193	160	240	207	184	96
Mycogen	2Y744 (RR2)	183 ± 3	214	209	135	232	196	184	113
Augusta	A5658 (RR/LL/CB)	183 ± 3	220	198	149	242	204	169	101
	Avg. (bu/a)	**193**	**222**	**203**	**169**	**250**	**212**	**186**	**107**
	L.S.D.$_{.05}$ (bu/a)	**9**	**20**	**28**	**25**	**21**	**17**	**30**	**24**
	C.V. (%)	**8.3**	**6.4**	**9.5**	**9.9**	**5.6**	**5.3**	**10.30**	**14.7**

§ 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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

Table 5. Mean yields and agronomic characteristics of 25 early-season corn hybrids evaluated in seven environments for two years (2014-2015) in Tennessee.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=14)	Moisture (n=14)	Test Weight (n=3)	Lodging (n=3)	Plant Height‡ (n=6)	Ear Height‡ (n=6)	Protein (n=2)	Oil (n=2)	Starch (n=2)
		bu/a	%	lbs/bu	%	in.	in.	%	%	%
Armor	1330 VT2P	205 ± 3	17.3	59.3	0	102	40	7.1	3.8	62.4
AgriGold	A6501VT2RIB	201 ± 3	18.6	59.2	0	98	39	7.1	4.2	61.7
Terral-REV	23BHR55 (RR2/LL/YGCB/HX1)	201 ± 3	17.6	58.1	1	104	42	6.8	3.7	62.5
AgriGold	A6488VT2RIB	201 ± 3	17.4	58.7	1	94	41	7.5	4.0	61.6
AgriGold	A6517VT3PRIB	200 ± 3	17.2	57.1	1	98	39	7.4	4.2	61.4
LG Seeds	LG5618VT2RIB	198 ± 3	17.8	58.9	0	92	38	7.4	4.2	61.7
LG Seeds	LG5607VT2RIB	197 ± 3	17.4	58.8	4	95	39	7.4	3.8	61.8
Beck's Hybrids	6347VR (GT/LL/CB/VIP)	197 ± 3	18.2	58.7	0	101	42	7.3	4.0	61.9
AgriGold	A6499STXRIB	195 ± 3	18.5	57.8	0	91	39	7.3	4.2	61.8
Armor	0808 VT2PRIB	195 ± 3	15.5	59.0	0	97	39	7.4	4.0	62.0
Croplan	6640VT3P RIB	195 ± 3	18.0	58.8	0	95	40	7.5	4.2	61.7
Augusta	A5262 (GT/LL/RW)	195 ± 3	18.0	56.1	0	104	44	7.6	3.9	62.0
Caverndale Farms	CF 834 VT2PRORIB	194 ± 3	18.2	58.9	1	92	36	7.6	4.2	61.6
Dekalb	DKC62-08 GENSS	193 ± 3	17.3	58.0	0	91	40	7.2	4.0	61.9
AgriGold	A6472VT2RIB	192 ± 3	17.6	58.4	0	100	41	7.5	4.1	61.6
Terral-REV	18BHR84 (RR2/LL/YGCB/HX1)	189 ± 3	16.9	58.2	0	98	37	7.1	3.8	62.3
Warren Seed	DS 9212SSX	188 ± 3	16.7	57.2	1	97	42	7.9	4.1	61.4
Steyer	11103 VT2PRORIBC	187 ± 3	16.9	58.6	0	97	38	7.2	4.1	61.4
Croplan	6065VT3P RIB	187 ± 3	16.7	58.3	0	102	44	8.0	4.0	61.6
Warren Seed	DS 9111SSX	186 ± 3	17.0	57.9	3	97	42	7.2	3.9	61.9
Terral-REV	22BHR43 (RR2/LL/YGCB/HX1)	186 ± 3	17.5	59.7	0	107	44	7.7	3.7	62.2
Caverndale Farms	CF 837 GTCBLL	185 ± 3	19.4	57.0	0	106	47	7.7	3.9	62.0
Warren Seed	DS 9610 (GT/LL//CB/RW)	185 ± 3	16.9	56.6	0	96	41	7.6	4.2	61.7
Mycogen	2Y744 (RR2)	183 ± 3	17.1	55.9	0	90	36	7.1	4.0	61.4
Augusta	A5658 (RR/LL/CB)	183 ± 3	16.9	58.3	1	96	40	7.6	4.1	61.9
	Average	**193**	**17.5**	**58.1**	**1**	**98**	**40**	**7.4**	**4.0**	**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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

†All Yields are adjusted to 15.5% moisture.

‡Average of Knoxville and Springfield.

Protein, Oil, and Starch on a dry weight basis

Table 6. Mean yields of 16 early-season (<114 DAP) corn hybrids evaluated in seven environments for three years (2013-2015) in Tennessee.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=21)	Knoxville	Springfield (Irr.)	Springfield (Non-Irr.)	Milan (Irr.)	Milan (Non-Irr.)	Ames	AgCenter Memphis
			bu/a						
AgriGold	A6501VT2RIB	206 ± 2	215	199	180	266	230	190	164
LG Seeds	LG5618VT2RIB	205 ± 2	220	199	178	255	229	200	155
Croplan	6640VT3P RIB	205 ± 2	226	199	184	269	235	171	148
Augusta	A5262 (GT/LL/RW)	204 ± 2	194	211	188	256	230	199	147
AgriGold	A6499STXRIB	202 ± 2	231	187	181	251	224	192	152
Dekalb	DKC62-08 GENSS	202 ± 2	215	202	189	246	236	179	147
AgriGold	A6517VT3PRIB	201 ± 2	212	206	168	264	231	185	142
Caverndale Farms	CF 834 VT2PRORIB	201 ± 2	219	199	179	247	234	175	154
Terral-REV	18BHR84 (RR2/LL/YGCB/H›	200 ± 2	211	213	184	247	216	190	140
Augusta	A5658 (RR/LL/CB)	198 ± 2	220	195	175	249	224	181	145
AgriGold	A6472VT2RIB	197 ± 2	200	201	167	250	224	192	147
Warren Seed	DS 9111SSX	197 ± 2	209	201	172	243	213	182	157
Steyer	11103 VT2PRORIBC	196 ± 2	198	204	177	239	213	181	163
Warren Seed	DS 9212SSX	195 ± 2	205	199	181	236	214	189	138
Warren Seed	DS 9610 (GT/LL//CB/RW)	195 ± 2	198	190	172	247	224	190	142
Terral-REV	22BHR43 (RR2/LL/YGCB/H›	194 ± 2	208	192	196	246	221	169	128
	Avg. (bu/a)	**200**	**211**	**200**	**179**	**251**	**225**	**185**	**148**
	L.S.D.$_{.05}$ (bu/a)	**9**	**24**	**34**	**26**	**19**	**16**	**27**	**26**
	C.V. (%)	**8.7**	**8.0**	**11.8**	**9.9**	**5.4**	**5.0**	**10.0**	**11.8**

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

Bt, YG, YGCB, CB, HX, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

†All Yields are adjusted to 15.5% moisture.

‡Average of Knoxville and Springfield.

Table 7. Mean yields and agronomic characteristics of 16 early-season corn hybrids evaluated in seven environments for three years (2013-2015) in Tennessee.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=21)	Moisture (n=21)	Test Weight (n=5)	Lodging (n=3)	Plant Height‡ (n=9)	Ear Height‡ (n=9)	Protein (n=3)	Oil (n=3)	Starch (n=3)
		bu/a	%	lbs/bu		in.	in.	%	%	%
AgriGold	A6501VT2RIB	206 ± 2	18.5	57.4	0	98	36	7.0	4.2	61.7
LG Seeds	LG5618VT2RIB	205 ± 2	18.3	57.1	0	92	37	7.3	4.2	61.7
Croplan	6640VT3P RIB	205 ± 2	18.1	57.1	0	95	38	7.3	4.2	61.5
Augusta	A5262 (GT/LL/RW)	204 ± 2	18.4	55.4	0	104	41	7.4	4.0	61.9
AgriGold	A6499STXRIB	202 ± 2	18.2	56.9	0	92	37	7.3	4.2	61.7
Dekalb	DKC62-08 GENSS	202 ± 2	17.4	56.7	0	93	39	7.2	4.0	61.8
AgriGold	A6517VT3PRIB	201 ± 2	17.5	56.1	0	98	37	7.2	4.1	61.6
Caverndale Farms	CF 834 VT2PRORIB	201 ± 2	18.4	57.5	0	93	35	7.4	4.1	61.8
Terral-REV	18BHR84 (RR2/LL/YGCB/H›	200 ± 2	17.0	57.0	0	98	36	7.0	3.8	62.3
Augusta	A5658 (RR/LL/CB)	198 ± 2	17.2	56.8	0	98	39	7.5	4.0	61.9
AgriGold	A6472VT2RIB	197 ± 2	17.4	57.5	0	99	39	7.4	4.0	61.7
Warren Seed	DS 9111SSX	197 ± 2	17.1	56.8	1	97	40	7.0	3.9	62.1
Steyer	11103 VT2PRORIBC	196 ± 2	17.1	57.2	0	98	37	7.0	4.1	61.7
Warren Seed	DS 9212SSX	195 ± 2	17.0	56.0	1	98	40	7.5	4.0	61.7
Warren Seed	DS 9610 (GT/LL//CB/RW)	195 ± 2	16.9	56.0	0	96	39	7.5	4.1	61.7
Terral-REV	22BHR43 (RR2/LL/YGCB/H›	194 ± 2	17.6	58.3	0	107	42	7.5	3.8	62.1
	Average	**200**	**17.6**	**56.9**	**0**	**97**	**38**	**7.3**	**4.0**	**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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

†All Yields are adjusted to 15.5% moisture.

‡Average of Knoxville and Springfield.

Protein, Oil, and Starch on a dry weight basis

Table 8. Mean yields of 36 medium-season (114-116 DAP) corn hybrids evaluated in seven environments in Tennessee during 2015.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=7)	Knoxville	Springfield (Irr.)	Springfield (Non-Irr.)	Milan (Irr.)	Milan (Non-Irr.)	Ames	AgCenter Memphis
		bu/a							
LG Seeds	LG5701VT2RIB	211 ± 3	266	258	165	260	202	216	109
AgriGold	A6559VT2RIB	211 ± 4	258	242	182	257	216	211	108
Dyna-Gro	D54DC94 (DG/VT2P)	207 ± 3	249	250	177	256	217	190	113
AgriGold	A6659VT2RIB	207 ± 4	261	250	161	267	197	201	113
Terral-REV	25BHR26 (RR2/LL/YGCB/HX1)	207 ± 4	258	235	160	246	233	201	112
Terral-REV	25BHR44 (RR2/LL/YGCB/HX1)	206 ± 3	243	230	162	279	227	197	105
AgriGold	A6574VT2PRO	204 ± 3	286	229	176	237	197	204	97
Armor	1621 VT2P	204 ± 3	288	240	166	244	202	181	105
Armor	1414 VT2PDG	203 ± 3	258	250	157	243	200	193	118
Augusta	A6465 (RR/CB)	202 ± 3	244	234	164	260	199	196	117
Progeny	PGY5115VT2P	202 ± 3	269	225	175	226	213	192	113
Dekalb	DKC66-87 GENVT2P	201 ± 3	260	236	170	258	197	173	115
Terral-REV	24BHR93 (RR2/LL/YGCB/HX1)	201 ± 3	251	239	179	246	208	171	111
NK Seed	N76A-GT/CB/LL	200 ± 3	246	237	182	238	199	181	120
Progeny	PGY4114VT2P	200 ± 3	250	229	167	258	210	192	97
AgriGold	A6579STX	200 ± 3	271	231	166	247	210	167	109
Warren Seed	DS 9412SSX	200 ± 3	256	243	171	240	191	195	106
Dekalb	DKC66-59 GENVT2P	200 ± 3	256	246	175	239	180	194	107
Mycogen	X13726VH (RR2/Bt)	199 ± 3	253	238	156	258	187	191	114
Mycogen	2C797 (SSX)	198 ± 3	236	247	167	248	205	188	94
Dekalb	DKC64-69 GENVT3P	198 ± 3	259	212	157	237	215	196	109
LG Seeds	LG5638VT2RIB	197 ± 3	259	229	170	219	188	189	125
Steyer	11407 VT2PRORIBC	196 ± 3	234	236	158	236	211	189	111
AgriGold	A6573VT3PRIB	196 ± 3	264	223	167	239	204	170	106
Dekalb	DKC65-71 GENDGVT2P	195 ± 3	233	236	168	234	204	178	112
Phoenix	6542A4 (GT/LL/CB/RW/VIP)	194 ± 3	238	237	167	237	189	176	113
Steyer	11604 VT2PRORIBC	194 ± 3	233	239	151	228	199	190	114
LG Seeds	LG5663VT2PRO	193 ± 3	245	235	163	230	182	185	113
Mycogen	2C786 (SSX)	193 ± 3	222	236	167	232	193	184	117
Augusta	A6664 (RR/CB)	193 ± 3	234	236	151	232	199	180	117
Warren Seed	DS 9713SSX	193 ± 3	207	211	159	244	206	201	119
Progeny	PGY4115VT2P	192 ± 3	261	193	159	245	188	190	108
Beck's Hybrids	6948A3 (GT/LL/CB/RW)	191 ± 3	243	225	175	224	181	184	108

Table 8 (continued)

Brand	Hybrid §	Avg. Yield† ± Std Err (n=7)	Knoxville	Springfield (Irr.)	Springfield (Non-Irr.)	Milan (Irr.)	Milan (Non-Irr.)	Ames	AgCenter Memphis
		bu/a							
Warren Seed	DS 9314SSX	191 ± 3	254	218	158	215	184	202	108
NK Seed	N75H-3010A (RR/LL/CB)	191 ± 3	246	202	179	229	175	188	116
Beck's Hybrids	6626AM (RR/LL/CB)	190 ± 3	250	183	155	248	198	193	101
	Avg. (bu/a)	**199**	**251**	**232**	**166**	**243**	**200**	**190**	**111**
	L.S.D.$_{.05}$ (bu/a)	**9**	**39**	**23**	**21**	**18**	**24**	**22**	**13**
	C.V. (%)	**7.2**	**9.3**	**6.1**	**7.5**	**4.4**	**7.3**	**6.8**	**7.4**

§ 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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

Table 9. Overall mean yields and agronomic characteristics of 36 medium-season corn hybrids evaluated in seven environments in Tennessee during 2015.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=7)	Moisture at Harvest (n=7)	Test Weight (n=1)	Plant Height‡ (n=3)	Ear Height‡ (n=3)	Protein (n=1)	Oil (n=1)	Starch (n=1)
		bu/a	%	lbs/bu	in.	in.	%	%	%
LG Seeds	LG5701VT2RIB	211 ± 3	17.1	57.7	97	41	7.5	4.0	61.8
AgriGold	A6559VT2RIB	211 ± 4	15.4	58.9	102	45	8.1	3.9	61.5
Dyna-Gro	D54DC94 (DG/VT2P)	207 ± 3	17.0	55.3	104	46	7.7	4.1	61.7
AgriGold	A6659VT2RIB	207 ± 4	17.3	57.5	98	43	7.6	4.1	61.4
Terral-REV	25BHR26 (RR2/LL/YGCB/HX1)	207 ± 4	17.1	57.1	103	44	7.3	3.6	62.5
Terral-REV	25BHR44 (RR2/LL/YGCB/HX1)	206 ± 3	17.7	58.4	109	51	8.2	4.1	61.3
AgriGold	A6574VT2PRO	204 ± 3	17.1	57.7	95	42	7.8	4.3	61.1
Armor	1621 VT2P	204 ± 3	17.2	55.0	101	42	7.3	4.1	61.4
Armor	1414 VT2PDG	203 ± 3	17.1	56.6	103	49	7.6	3.9	61.8
Augusta	A6465 (RR/CB)	202 ± 3	17.2	56.5	98	46	7.8	3.8	61.8
Progeny	PGY5115VT2P	202 ± 3	16.4	57.7	99	44	7.9	4.0	61.4
Dekalb	DKC66-87 GENVT2P	201 ± 3	17.4	55.5	105	46	7.6	4.1	61.6
Terral-REV	24BHR93 (RR2/LL/YGCB/HX1)	201 ± 3	17.2	57.8	100	45	7.3	4.1	61.7
NK Seed	N76A-GT/CB/LL	200 ± 3	17.5	56.5	107	44	7.9	3.7	62.0
Progeny	PGY4114VT2P	200 ± 3	16.3	58.3	105	45	7.6	3.9	62.1
AgriGold	A6579STX	200 ± 3	17.1	57.2	99	45	7.4	4.0	62.0
Warren Seed	DS 9412SSX	200 ± 3	17.0	56.3	101	47	7.5	3.9	61.8
Dekalb	DKC66-59 GENVT2P	200 ± 3	17.9	57.7	102	47	7.6	3.9	61.8
Mycogen	X13726VH (RR2/Bt)	199 ± 3	18.2	56.0	103	49	7.0	3.8	62.4
Mycogen	2C797 (SSX)	198 ± 3	16.5	56.4	94	41	7.3	3.9	61.9
Dekalb	DKC64-69 GENVT3P	198 ± 3	16.9	58.6	93	42	7.9	4.2	61.0
LG Seeds	LG5638VT2RIB	197 ± 3	16.1	56.9	99	43	7.6	4.1	61.6
Steyer	11407 VT2PRORIBC	196 ± 3	17.0	58.7	92	40	7.7	4.3	61.2
AgriGold	A6573VT3PRIB	196 ± 3	16.6	56.9	100	42	7.8	4.1	61.6
Dekalb	DKC65-71 GENDGVT2P	195 ± 3	15.9	55.4	97	43	7.5	3.6	62.3
Phoenix	6542A4 (GT/LL/CB/RW/VIP)	194 ± 3	18.7	53.4	99	44	7.1	4.1	61.8
Steyer	11604 VT2PRORIBC	194 ± 3	17.8	57.7	98	43	8.0	3.8	61.9
LG Seeds	LG5663VT2PRO	193 ± 3	17.5	58.2	100	46	8.1	3.9	61.3
Mycogen	2C786 (SSX)	193 ± 3	17.3	56.3	89	43	7.7	4.0	61.7
Augusta	A6664 (RR/CB)	193 ± 3	16.2	56.7	94	40	7.6	4.0	61.9
Warren Seed	DS 9713SSX	193 ± 3	17.8	55.0	98	44	7.6	4.2	61.3
Progeny	PGY4115VT2P	192 ± 3	17.3	58.5	99	43	7.2	4.0	62.1
Beck's Hybrids	6948A3 (GT/LL/CB/RW)	191 ± 3	17.7	56.3	100	45	7.1	3.9	61.9

Table 9 (continued)

Brand	Hybrid §	Avg. Yield† ± Std Err (n=7)	Moisture at Harvest (n=7)	Test Weight (n=1)	Plant Height‡ (n=3)	Ear Height‡ (n=3)	Protein (n=1)	Oil (n=1)	Starch (n=1)
		bu/a	%	lbs/bu	in.	in.	%	%	%
Warren Seed	DS 9314SSX	191 ± 3	16.8	55.6	91	41	7.7	4.2	61.3
NK Seed	N75H-3010A (RR/LL/CB)	191 ± 3	16.3	55.6	98	41	7.2	3.9	62.0
Beck's Hybrids	6626AM (RR/LL/CB)	190 ± 3	17.4	57.6	93	42	7.7	4.1	61.6
	Average	**199**	**17.1**	**56.9**	**99.0**	**44.0**	**7.6**	**4.0**	**61.7**

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

Bt, YG, YGCB, CB, HX, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

†All Yields are adjusted to 15.5% moisture.

‡Average of Knoxville and Springfield.

Protein, Oil, and Starch on a dry weight basis

Table 10. Mean yields of 18 medium-season (114-116 DAP) corn hybrids evaluated in seven environments for two years (2014-2015) in Tennessee.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=14)	Knoxville	Springfield (Irr.)	Springfield (Non-Irr.)	Milan (Irr.)	Milan (Non-Irr.)	Ames	AgCenter Memphis
					bu/a				
LG Seeds	LG5701VT2RIB	208 ± 3	248	224	138	272	214	217	143
AgriGold	A6659VT2RIB	208 ± 3	245	231	131	273	208	219	148
LG Seeds	LG5638VT2RIB	204 ± 3	250	224	153	238	208	208	148
Terral-REV	24BHR93 (RR2/LL/YGCB/HX1)	204 ± 3	233	219	136	268	220	210	141
Mycogen	2C797 (SSX)	202 ± 3	224	216	145	261	218	213	139
Steyer	11407 VT2PRORIBC	202 ± 3	215	220	147	266	216	214	136
Terral-REV	25BHR44 (RR2/LL/YGCB/HX1)	202 ± 3	216	220	121	286	230	208	129
Dekalb	DKC66-87 GENVT2P	202 ± 3	233	203	140	280	216	192	146
Progeny	PGY5115VT2P	200 ± 3	234	215	143	244	220	206	141
Warren Seed	DS 9713SSX	198 ± 3	203	201	135	263	217	224	141
Progeny	PGY4115VT2P	198 ± 3	235	202	135	268	205	198	140
Mycogen	2C786 (SSX)	197 ± 3	212	227	148	243	203	200	145
Steyer	11604 VT2PRORIBC	196 ± 3	214	223	132	248	207	209	142
Dekalb	DKC64-69 GENVT3P	196 ± 3	232	209	138	245	212	202	135
Progeny	PGY4114VT2P	195 ± 3	223	198	148	256	207	207	125
Phoenix	6542A4 (GT/LL/CB/RW/VIP)	194 ± 3	223	218	143	250	198	195	129
Warren Seed	DS 9314SSX	193 ± 3	227	207	144	229	196	212	137
Beck's Hybrids	6948A3 (GT/LL/CB/RW)	189 ± 3	226	206	135	234	197	191	132
	Avg. (bu/a)	**199**	**227**	**215**	**140**	**257**	**211**	**207**	**139**
	L.S.D.$_{.05}$ (bu/a)	**9**	**28**	**27**	**24**	**22**	**19**	**31**	**18**
	C.V. (%)	**8**	**8.1**	**8.4**	**11.0**	**5.6**	**6.0**	**9.7**	**8.5**

§ 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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

Table 11. Mean yields and agronomic characteristics of 18 medium-season corn hybrids evaluated in seven environments for two years (2014-2015) in Tennessee.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=14)	Moisture (n=14)	Test Weight (n=3)	Plant Height‡ (n=6)	Ear Height‡ (n=6)	Protein (n=2)	Oil (n=2)	Starch (n=2)
		bu/a	%	lbs/bu	in.	in.	%	%	%
LG Seeds	LG5701VT2RIB	208 ± 3	17.9	57.8	94	37	7.1	4.1	61.9
AgriGold	A6659VT2RIB	208 ± 3	18.1	57.7	95	38	7.3	4.2	61.5
LG Seeds	LG5638VT2RIB	204 ± 3	17.6	57.4	96	38	7.4	4.2	61.6
Terral-REV	24BHR93 (RR2/LL/YGCB/HX1)	204 ± 3	17.8	58.1	102	43	7.3	4.2	61.6
Mycogen	2C797 (SSX)	202 ± 3	16.8	57.2	95	40	7.0	4.0	61.9
Steyer	11407 VT2PRORIBC	202 ± 3	17.9	58.5	93	37	7.5	4.3	61.5
Terral-REV	25BHR44 (RR2/LL/YGCB/HX1)	202 ± 3	18.4	56.2	105	44	7.8	4.1	61.5
Dekalb	DKC66-87 GENVT2P	202 ± 3	18.1	56.7	101	40	7.4	4.2	61.4
Progeny	PGY5115VT2P	200 ± 3	17.5	58.3	98	39	7.3	4.2	61.6
Warren Seed	DS 9713SSX	198 ± 3	18.4	55.5	95	41	7.4	4.3	61.4
Progeny	PGY4115VT2P	198 ± 3	17.8	58.0	100	40	7.2	4.3	61.7
Mycogen	2C786 (SSX)	197 ± 3	17.6	57.0	87	40	7.8	4.2	61.4
Steyer	11604 VT2PRORIBC	196 ± 3	18.7	56.9	98	40	7.7	4.2	61.4
Dekalb	DKC64-69 GENVT3P	196 ± 3	17.4	58.1	93	39	7.3	4.2	61.6
Progeny	PGY4114VT2P	195 ± 3	17.3	56.5	98	41	7.3	4.0	62.1
Phoenix	6542A4 (GT/LL/CB/RW/VIP)	194 ± 3	19.0	54.9	99	41	6.9	4.1	61.8
Warren Seed	DS 9314SSX	193 ± 3	17.5	57.0	90	38	7.7	4.3	61.1
Beck's Hybrids	6948A3 (GT/LL/CB/RW)	189 ± 3	18.4	56.9	97	41	7.0	4.0	61.9
	Average	**199**	**17.9**	**57.2**	**96**	**40**	**7.4**	**4.2**	**61.6**

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

Bt, YG, YGCB, CB, HX, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

†All Yields are adjusted to 15.5% moisture.

‡Average of Knoxville and Springfield.

Protein, Oil, and Starch on a dry weight basis

Table 12. Mean yields of 11 medium-season (114-116 DAP) corn hybrids evaluated in seven environments for three years (2013-2015) in Tennessee.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=21)	Knoxville	Springfield (Irr.)	Springfield (Non-Irr.)	Milan (Irr.)	Milan (Non-Irr.)	Ames	AgCenter Memphis
			bu/a						
Terral-REV	24BHR93 (RR2/LL/YGCB/HX1)	213 ± 2	224	209	165	272	245	211	163
AgriGold	A6659VT2RIB	212 ± 2	234	223	157	263	224	212	168
Steyer	11407 VT2PRORIBC	207 ± 2	207	210	173	264	229	204	165
Terral-REV	25BHR44 (RR2/LL/YGCB/HX1)	205 ± 2	203	205	152	284	246	201	141
Phoenix	6542A4 (GT/LL/CB/RW/VIP)	203 ± 2	213	216	171	251	222	194	153
Steyer	11604 VT2PRORIBC	203 ± 2	208	212	159	249	225	203	163
Mycogen	2C786 (SSX)	201 ± 2	204	220	156	242	220	202	164
Dekalb	DKC64-69 GENVT3P	201 ± 2	222	200	155	250	228	197	154
Warren Seed	DS 9314SSX	200 ± 2	217	211	168	233	206	205	157
Warren Seed	DS 9713SSX	197 ± 2	194	181	154	257	225	216	153
Beck's Hybrids	6948A3 (GT/LL/CB/RW)	195 ± 2	216	199	155	239	213	190	155
	Avg. (bu/a)	**203**	**213**	**208**	**160**	**255**	**226**	**203**	**158**
	L.S.D.$_{.05}$ (bu/a)	**9**	**26**	**30**	**25**	**20**	**19**	**30**	**23**
	C.V. (%)	**8.2**	**8.2**	**9.8**	**10.2**	**5.4**	**5.6**	**9.8**	**9.8**

§ 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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

Table 13. Mean yields and agronomic characteristics of 11 medium-season corn hybrids evaluated in seven environments for three years (2013-2015) in Tennessee.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=21)	Moisture (n=21)	Test Weight (n=5)	Plant Height‡ (n=9)	Ear Height‡ (n=9)	Protein (n=3)	Oil (n=3)	Starch (n=3)
		bu/a	%	lbs/bu	in.	in.	%	%	%
Terral-REV	24BHR93 (RR2/LL/YGCB/HX1)	213 ± 2	18.0	56.7	103	41	7.2	4.2	61.6
AgriGold	A6659VT2RIB	212 ± 2	18.3	56.5	95	36	7.3	4.2	61.5
Steyer	11407 VT2PRORIBC	207 ± 2	18.0	57.2	92	35	7.3	4.3	61.5
Terral-REV	25BHR44 (RR2/LL/YGCB/HX1)	205 ± 2	18.5	55.7	108	42	7.8	4.1	61.4
Phoenix	6542A4 (GT/LL/CB/RW/VIP)	203 ± 2	19.3	53.8	99	39	7.0	4.2	61.3
Steyer	11604 VT2PRORIBC	203 ± 2	18.8	55.5	98	38	7.5	4.3	61.0
Mycogen	2C786 (SSX)	201 ± 2	17.9	55.6	90	38	7.7	4.3	61.2
Dekalb	DKC64-69 GENVT3P	201 ± 2	17.6	56.7	94	38	7.1	4.2	61.6
Warren Seed	DS 9314SSX	200 ± 2	17.8	55.7	90	37	7.5	4.3	61.2
Warren Seed	DS 9713SSX	197 ± 2	18.6	54.7	96	40	7.4	4.3	61.2
Beck's Hybrids	6948A3 (GT/LL/CB/RW)	195 ± 2	18.4	55.7	98	40	6.9	4.0	61.6
	Average	**203**	**18.3**	**55.8**	**97**	**39**	**7.3**	**4.2**	**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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

†All Yields are adjusted to 15.5% moisture.

‡Average of Knoxville and Springfield.

Protein, Oil, and Starch on a dry weight basis

Table 14. Mean yields of 23 full-season (>116 DAP) corn hybrids evaluated in six environments in Tennessee during 2015.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=6)	Knoxville	Springfield (Irr.)	Springfield (Non-Irr.)	Milan (Irr.)	Milan (Non-Irr.)	Ames
		bu/a						
Dekalb	DKC67-14 GENVT2P	233 ± 4	278	268	153	284	212	202
Croplan	7927VT3P RIB	227 ± 4	261	260	185	266	211	182
AgriGold	A6687VT2PRO	223 ± 4	277	248	156	261	203	195
AgriGold	A6719VT2PRO	222 ± 4	254	260	159	273	212	172
Caverndale Farms	CF 894 VT2PRORIB	221 ± 4	252	237	162	259	211	204
Terral-REV	28HR20 (RR/LL/HX1)	220 ± 4	269	234	154	273	209	181
Beck's XL Brand	6873AM (RR/LL/CB)	219 ± 4	258	252	136	278	224	169
AgriGold	A6711VT2PRO	219 ± 4	255	242	169	256	199	195
Augusta	A8868 (RR/CB/RW)	218 ± 4	256	249	165	267	189	183
Dekalb	DKC67-72 GENVT2P	217 ± 4	258	239	163	264	209	169
Beck's Hybrids	6967VR (GT/LL/CB/VIP)	217 ± 4	250	245	147	261	205	192
Augusta	A7767 (RR/CB)	216 ± 4	249	247	164	269	192	178
Dyna-Gro	D57VP51 (VT3P)	216 ± 4	255	242	144	271	213	171
Dyna-Gro	D57DC58 (DG/VT2P)	212 ± 4	239	242	139	256	220	175
Steyer	11702 3000GT	212 ± 4	218	236	149	279	215	176
Mycogen	2D848 (SSX)	211 ± 4	236	224	152	262	207	183
Warren Seed	DS 9217SSX	210 ± 4	229	220	145	258	210	200
Progeny	PGY4117VT3P	201 ± 4	233	239	140	233	184	174
Caverndale Farms	CF 883 GTCBLL	196 ± 4	226	235	142	242	184	149
TN EXP	TN 1401Y	193 ± 4	261	213	123	219	176	167
TN EXP	TN 1502Y	187 ± 4	226	197	114	234	195	155
TN EXP	TN 1503W	179 ± 4	211	211	129	220	161	140
TN EXP	TN 1501Y	176 ± 4	216	212	106	211	149	159
	Avg. (bu/a)	**211**	**246**	**237**	**148**	**256**	**200**	**177**
	L.S.D.$_{.05}$ (bu/a)	**9.4**	**29**	**19**	**24**	**18**	**24**	**27**
	C.V. (%)	**6.8**	**7.1**	**4.9**	**9.7**	**4.3**	**7.2**	**9.0**

§ 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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

Table 15. Overall mean yields and agronomic characteristics of 24 full-season corn hybrids evaluated in six environments in Tennessee during 2015.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=6)	Moisture at Harvest (n=6)	Test Weight (n=1)	Lodging (n=2)	Plant Height‡ (n=3)	Ear Height‡ (n=3)	Protein (n=1)	Oil (n=1)	Starch (n=1)
		bu/a	%	lbs/bu	%	in.	in.	%	%	%
Dekalb	DKC67-14 GENVT2P	233 ± 4	17.2	60.2	0	103	47	7.6	3.8	61.9
Croplan	7927VT3P RIB	227 ± 4	18.1	58.6	0	108	50	7.6	4.0	61.7
AgriGold	A6687VT2PRO	223 ± 4	17.9	59.4	0	107	46	7.7	3.9	61.6
AgriGold	A6719VT2PRO	222 ± 4	18.2	59.7	0	110	52	7.9	4.0	61.6
Caverndale Farms	CF 894 VT2PRORIB	221 ± 4	18.3	59.0	0	100	46	7.8	4.0	61.8
Terral-REV	28HR20 (RR/LL/HX1)	220 ± 4	19.1	59.3	0	113	50	8.0	3.9	61.9
Beck's XL Brand	6873AM (RR/LL/CB)	219 ± 4	18.9	60.2	0	104	43	7.5	3.9	62.0
AgriGold	A6711VT2PRO	219 ± 4	18.3	59.8	0	99	43	7.5	4.1	62.1
Augusta	A8868 (RR/CB/RW)	218 ± 4	17.9	58.6	0	105	47	7.5	4.1	61.5
Dekalb	DKC67-72 GENVT2P	217 ± 4	18.3	58.8	0	100	47	7.6	4.0	61.7
Beck's Hybrids	6967VR (GT/LL/CB/VIP)	217 ± 4	20.8	59.0	2	108	46	8.0	4.0	61.3
Augusta	A7767 (RR/CB)	216 ± 4	18.7	58.6	0	102	44	7.8	4.2	61.3
Dyna-Gro	D57VP51 (VT3P)	216 ± 4	17.2	59.7	0	91	40	7.4	3.8	62.2
Dyna-Gro	D57DC58 (DG/VT2P)	212 ± 4	17.1	59.5	0	97	43	7.2	3.9	62.3
Steyer	11702 3000GT	212 ± 4	20.7	59.3	0	105	45	7.7	3.6	62.6
Mycogen	2D848 (SSX)	211 ± 4	21.4	58.2	0	98	45	7.4	4.3	61.6
Warren Seed	DS 9217SSX	210 ± 4	22.0	57.6	0	99	46	7.4	4.3	61.5
Progeny	PGY4117VT3P	201 ± 4	17.9	59.5	0	102	47	7.5	4.2	61.3
Caverndale Farms	CF 883 GTCBLL	196 ± 4	20.1	58.6	0	107	46	8.1	3.9	61.8
TN EXP	TN 1401Y	193 ± 4	19.6	57.5	0	107	50	7.4	4.0	62.1
TN EXP	TN 1502Y	187 ± 4	22.4	58.0	1	104	52	8.4	4.9	60.2
TN EXP	TN 1503W	179 ± 4	20.5	58.5	1	105	52	7.6	4.2	61.3
TN EXP	TN 1501Y	176 ± 4	21.9	58.0	2	106	51	7.5	4.3	61.5
	Average	**211**	**19.2**	**58.9**	**0**	**103**	**47**	**7.7**	**4.1**	**61.7**

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

Bt, YG, YGCB, CB, HX, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

†All Yields are adjusted to 15.5% moisture.

‡Average of Knoxville and Springfield.

Protein, Oil, and Starch on a dry weight basis

Table 16. Mean yields of ten full-season (>116 DAP) corn hybrids evaluated in six environments for two years (2014-2015) in Tennessee.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=12)	Knoxville	Springfield (Irr.)**	Springfield (Non-Irr.)	Milan (Irr.)	Milan (Non-Irr.)	Ames
		bu/a						
AgriGold	A6687VT2PRO	212 ± 3	242	215	116	269	214	217
Caverndale Farms	CF 894 VT2PRORIB	211 ± 3	228	212	137	258	212	221
AgriGold	A6719VT2PRO	208 ± 3	232	215	121	270	223	187
Beck's Hybrids	6967VR (GT/LL/CB/VIP)	206 ± 3	235	197	111	262	217	213
Augusta	A8868 (RR/CB/RW)	205 ± 3	230	210	111	270	202	206
Warren Seed	DS 9217SSX	202 ± 3	210	202	120	261	215	205
Terral-REV	28HR20 (RR/LL/HX1)	199 ± 3	246	187	106	241	202	213
Progeny	PGY4117VT3P	199 ± 3	220	206	122	246	201	199
Mycogen	2D848 (SSX)	198 ± 3	221	197	112	254	216	187
TN EXP	TN 1401Y	190 ± 3	228	191	120	227	186	190
	Avg. (bu/a)	**203**	**229**	**203**	**118**	**256**	**209**	**204**
	L.S.D.$_{.05}$ (bu/a)	**10**	**25**	**30**	**31**	**17**	**18**	**27**
	C.V. (%)	**7.9**	**7.3**	**9.7**	**15.5**	**4.4**	**5.6**	**8.6**

§ 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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

Table 17. Mean yields and agronomic characteristics of ten full-season corn hybrids evaluated in six environments for two years (2014-2015) in Tennessee.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=12)	Moisture (n=12)	Test Weight (n=2)	Lodging (n=3)	Plant Height‡ (n=6)	Ear Height‡ (n=6)	Protein (n=2)	Oil (n=2)	Starch (n=2)
		bu/a	%	lbs/bu	%	in.	in.	%	%	%
AgriGold	A6687VT2PRO	212 ± 3	18.2	59.1	0	103	41	7.4	4.1	61.4
Caverndale Farms	CF 894 VT2PRORIB	211 ± 3	18.5	58.7	0	98	41	7.6	4.1	61.5
AgriGold	A6719VT2PRO	208 ± 3	18.3	57.7	0	107	46	7.6	4.1	61.6
Beck's Hybrids	6967VR (GT/LL/CB/VIP)	206 ± 3	21.4	58.1	1	103	41	7.5	4.3	61.3
Augusta	A8868 (RR/CB/RW)	205 ± 3	18.3	58.7	0	103	43	7.2	4.1	61.7
Warren Seed	DS 9217SSX	202 ± 3	21.2	58.2	0	95	42	7.3	4.3	61.5
Terral-REV	28HR20 (RR/LL/HX1)	199 ± 3	18.7	58.7	0	111	45	7.6	4.0	61.9
Progeny	PGY4117VT3P	199 ± 3	17.9	58.3	0	101	45	7.3	4.1	61.8
Mycogen	2D848 (SSX)	198 ± 3	20.7	57.3	0	98	41	7.4	4.5	61.1
TN EXP	TN 1401Y	190 ± 3	19.6	56.7	0	105	46	7.4	4.2	61.4
	Average	**203**	**19.3**	**58.2**	**0**	**102**	**43**	**7.4**	**4.2**	**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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

†All Yields are adjusted to 15.5% moisture.

‡Average of Knoxville and Springfield.

Protein, Oil, and Starch on a dry weight basis

Table 18. Mean yields of three full-season (>116 DAP) corn hybrid evaluated in six environments for three years (2013-2015) in Tennessee.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=18)	Knoxville	Springfield (Irr.)	Springfield (Non-Irr.)	Milan (Irr.)	Milan (Non-Irr.)	Ames
		bu/a						
AgriGold	A6687VT2PRO	214 ± 3	227	198	144	272	228	213
Caverndale Farms	CF 894 VT2PRORIB	208 ± 3	217	190	153	255	223	208
Terral-REV	28HR20 (RR/LL/HX1)	206 ± 3	226	182	146	259	220	199
	Avg. (bu/a)	**209**	**223**	**190**	**148**	**262**	**224**	**207**
	L.S.D.$_{.05}$ (bu/a)	**11**	**26**	**31**	**33**	**19**	**21**	**28**
	C.V. (%)	**8.6**	**8.2**	**10.5**	**14.7**	**4.9**	**6.6**	**9.1**

Table 19. Mean yields and agronomic characteristics of three full-season corn hybrid evaluated in six environments for three years (2013-2015) in Tennessee.

Brand	Hybrid §	Avg. Yield† ± Std Err (n=18)	Moisture (n=18)	Test Weight (n=3)	Plant Height‡ (n=9)	Ear Height‡ (n=9)	Protein (n=3)	Oil (n=3)	Starch (n=3)
		bu/a	%	lbs/bu	in.	in.	%	%	%
AgriGold	A6687VT2PRO	214 ± 3	18.3	57.9	102	40	7.3	4.1	61.5
Caverndale Farms	CF 894 VT2PRORIB	208 ± 3	18.9	56.7	98	39	7.4	4.3	61.1
Terral-REV	28HR20 (RR/LL/HX1)	206 ± 3	18.8	57.8	112	43	7.3	4.0	61.8
	Average	**209**	**18.7**	**57.5**	**104**	**41**	**7.3**	**4.1**	**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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

†All Yields are adjusted to 15.5% moisture.

‡Average of Knoxville and Springfield.

Protein, Oil, and Starch on a dry weight basis

COUNTY STANDARD TESTS ‡

Table 20. Yields of 24 early-season (<114 DAP) Roundup / stacked corn hybrids in 15 County Standard Tests in Tennessee and Kentucky dur

MS	BRAND/HYBRID	AvgYld	Moist	TstWt	*Call*	Coff	Dyer	Faye	Gibs	Gile	Henr1	Henr2	Hend	Lake	Laud	Madi	Obio	Tipt	Weak
		bu/a	%	lb/bu	5/5ǂ	5/5	4/22	4/22	4/15	5/4	5/4	4/29	4/28	5/1	5/15	4/24	5/2	4/23	4/28
A	*Agrigold A6499 STXRIB	218	15.7	60.2	225	236	253	186	212	217	255	264	193	196	184	219	251	170	228
A	Croplan 6640 VT3P/RIB	217	14.9	59.5	216	241	266	196	206	225	248	279	178	204	166	187	256	175	216
AB	*Armor 1330 PRO2	216	15.1	60.1	227	235	244	187	190	222	230	266	206	189	187	193	267	170	220
ABC	DeKalb DKC 62-08 GENSS	215	15.0	59.0	231	239	267	176	204	215	256	262	176	181	192	203	245	179	199
ABCD	Dyna-Gro 52VC91 GenVT2P	213	14.8	61.7	219	245	230	197	199	210	240	256	162	199	192	175	260	187	221
ABCDE	Terral 23BHR55	212	15.3	58.5	242	239	285	199	178	192	278	231	188	211	141	203	256	148	192
ABCDE	Beck's 6365 AM	212	15.2	58.3	248	209	283	207	183	213	260	225	204	210	179	176	240	128	215
BCDEF	LG Seeds LG5618 VT2RIB	208	15.1	60.9	205	242	225	194	194	208	253	258	161	204	168	184	236	162	219
BCDEF	AgriGold A6517 VT3RIB	207	15.7	57.2	219	229	255	196	191	188	246	239	165	194	194	192	225	156	217
CDEFG	Dyna-Gro 50VC43 GenVT2P	206	14.7	59.1	222	232	259	188	190	201	241	252	176	182	168	198	248	131	199
DEFG	Terral 18BHR84	205	15.1	59.1	225	247	247	199	172	215	227	232	165	194	158	180	246	145	217
DEFGH	Beck's 5828 AM	204	15.1	59.4	230	238	222	179	168	211	228	229	160	196	173	216	235	162	213
DEFGH	Warren Seed 9610 3000GT	204	15.0	57.5	195	230	227	194	189	191	249	257	167	184	156	218	241	146	210
EFGH	Croplan 6065 SS/VT2P/RIB	203	14.6	59.5	221	231	248	180	188	226	224	230	133	185	186	206	249	144	194
EFGH	Armor 1033 PRO2	203	14.8	59.6	225	229	251	186	188	203	222	226	148	187	163	181	242	178	214
FGH	Mycogen 2V714 SSX	200	15.2	56.3	214	219	253	174	177	174	233	233	160	188	165	188	275	159	191
FGH	Steyer 11208 VT2PRORIBC	200	15.1	59.8	202	226	257	171	174	221	221	234	163	182	183	181	220	156	207
FGH	Croplan 6265 SS/VT2P/RIB	200	14.9	59.6	217	233	222	183	191	194	217	222	185	175	181	182	235	157	202
FGH	Augusta A5262 GTCBLLD	199	15.7	57.4	224	229	247	167	173	199	231	234	141	191	174	197	240	139	204
FGH	AgriGold A6488 VT2RIB	199	14.8	59.1	204	229	239	176	191	208	222	233	154	183	174	177	216	166	215
FGH	Warren Seed 9212 SSX	198	14.9	57.4	200	213	216	165	185	221	227	227	174	181	174	199	253	150	206
GHI	Mycogen 2Y744 RR2	197	14.8	55.4	181	211	262	211	179	186	224	245	174	180	176	174	213	114	225
HI	Warren Seed 9111 SSX	195	14.9	58.4	206	223	203	178	165	184	219	256	185	186	155	182	226	143	206
I	Steyer 11103 VT2PRORIBC	188	14.8	59.7	198	221	241	168	180	190	223	228	122	167	168	172	220	136	185
	Average	**205**	**15.1**	**58.9**	**217**	**230**	**246**	**186**	**186**	**205**	**236**	**242**	**168**	**190**	**173**	**191**	**241**	**154**	**209**

ǂ Planting date. %M=Avg. % moisture across all locations.

YLD= Avg. Yield @ 15.5 % moisture.

TstWt= Avg. test weight lbs/bu @ 15 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 (*) were in the top performing "A" group in 2015 and 2014.

County Locations include: Calloway KY, Coffee, Dyer, Fayette, Gibson, Giles, Henry 1 (Tosh Farms), Henry 2 (Brannon Farms), Henderson, Lake, Lauderdale, Madison, Obion, Tipton, and Weakley.

ǂData Provided by Ryan Blair, Ext. Area Specialist, Grain and Cotton Variety Testing, and extension agents in counties shown above.

Table 21. Yields of 28 medium-season (114-116) Roundup / stacked corn hybirds in 23 County Standard Tests in Tennessee and Kentucky during 2015.‡

MS	BRAND/HYBRID	AvgYld	Moist	TstWt	*Call*	Cann	*Carl*	Coff	Dyer	Faye	Gibs	Hard	Hayw	Hend	Henr1	Henr2	Hick	Lake	Laud	Madi	*Mccr*	Obio	Perr	Robe	Smit	Tipt	Weak
		bu/a	%	lb/bu	5/5	5/7	5/6	5/5	4/22	5/6	4/11	4/28	5/12	4/28	5/4	4/29	5/4	4/30	5/15	4/10	5/3	5/2	247	5/1	4/27	4/23	5/6
A	AgriGold A6659 VT2RIB	214	16.5	58.9	241	220	265	225	278	256	206	247	171	157	259	277	239	196	173	270	172	259	248	206	230	165	112
AB	*Dyna-Gro 56VC46 GENVT2P	210	16.8	58.6	232	224	260	238	282	224	205	240	137	131	259	270	247	206	170	245	193	247	240	224	232	137	107
AB	DeKalb DKC 66-87 GENVT2P	210	16.5	58.4	205	220	251	227	282	252	207	248	138	134	255	284	249	175	130	260	170	258	226	234	248	173	126
ABC	*AgriGold A6559 VT2RIB	210	15.9	59.0	231	224	281	238	266	228	190	226	158	148	234	274	251	192	159	241	171	241	203	203	229	182	140
ABCD	Terral 25BHR26	208	16.4	59.5	236	232	239	240	284	226	189	203	158	157	269	256	257	188	180	228	201	261	219	205	246	130	101
ABCDE	*Beck's 6626AM	207	16.3	59.3	206	247	246	243	224	214	188	219	167	111	264	269	261	202	164	253	185	245	241	221	214	163	123
BCDEF	Augusta A6664 VT2Pro	207	15.4	58.5	210	228	254	233	256	225	206	241	166	139	242	257	231	193	144	246	157	264	241	205	226	173	137
BCDEF	Armor 1621 PRO2	206	16.2	57.9	214	223	252	230	261	235	200	230	167	168	247	264	242	194	169	250	165	235	230	210	221	148	106
BCDEF	LG Seeds LG5638VT2RIB	206	15.5	58.8	205	220	253	235	272	229	207	226	150	144	251	253	228	190	150	242	164	246	226	208	232	162	111
BCDEFG	Warren Seed 9713 SSX	205	17.0	56.8	211	204	265	218	245	216	190	221	173	145	257	250	210	219	183	234	172	262	221	200	210	168	139
BCDEFGH	DeKalb DKC 64-69 GENVT3P	204	15.7	58.8	224	223	239	238	254	212	199	245	157	158	245	245	226	188	142	247	163	248	245	221	242	158	99
CDEFGHI	Progeny PGY4114 VT2P	202	15.6	59.2	223	231	253	234	244	228	190	230	130	137	237	270	240	199	168	236	174	222	230	214	227	163	111
DEFGHI	Armor 1414 PRO2DG	202	16.2	57.8	217	225	239	243	273	227	177	232	149	145	249	270	243	189	166	231	159	245	232	193	198	150	104
DEFGHI	Mycogen 2C797 SSX	201	16.5	56.9	235	209	242	221	247	214	198	238	151	147	243	255	220	192	140	223	170	248	238	228	223	166	85
DEFGHI	Dyna-Gro 55VP77 GENVT3P	201	16.0	59.4	188	217	249	231	252	229	203	226	150	163	250	281	228	186	142	221	155	245	226	222	239	151	75
DEFGHI	AgriGold A6574 VT2PRO	201	15.8	59.6	197	222	239	234	249	231	209	240	155	143	262	252	216	207	140	228	139	240	240	228	236	155	112
DEFGHI	Mycogen 2C786 SSX	201	16.6	57.3	207	212	240	220	271	232	190	234	168	157	236	240	219	218	176	203	179	229	234	194	216	158	96
DEFGHI	DeKalb DKC 65-71 GENDGVT2P	201	15.5	57.4	220	215	259	233	238	238	197	244	150	162	229	252	229	182	155	239	153	237	244	201	224	141	108
EFGHI	Warren Seed 9314 SSX	200	16.7	57.2	213	205	251	220	263	231	189	226	155	158	237	253	222	200	162	209	162	230	226	174	224	163	138
EFGHI	Terral 24BHR93	200	16.2	58.7	219	230	251	246	273	205	194	207	138	132	264	234	246	204	142	250	154	249	207	222	217	149	60
EFGHI	Warren Seed 9412 SSX	200	16.3	56.9	214	211	243	224	241	213	204	253	156	141	249	244	214	206	162	228	160	229	253	202	215	192	89
FGHI	Dyna-Gro 54DC94 GENVT2PDG	199	16.0	58.0	206	212	253	251	285	223	190	225	133	122	256	246	230	181	145	225	136	234	225	186	218	177	117
GHI	Augusta A5664 GT3000	198	16.9	57.5	212	215	231	216	257	219	182	241	155	142	236	246	227	201	148	222	174	211	241	197	239	152	112
HI	Armor 1550 PRO2	197	16.0	59.9	221	216	255	219	247	218	189	229	138	124	252	265	237	164	152	231	155	247	229	191	222	170	93
I	Progeny PGY5115 VT2P	196	15.9	58.2	202	207	254	229	259	234	200	231	140	145	239	255	235	207	116	226	139	239	231	195	223	162	87
I	Steyer 11504 GENSSRIBC	195	15.8	60.0	211	211	244	220	243	208	187	201	142	145	235	264	244	207	117	225	155	218	201	224	231	143	106
I	Steyer 11407 VT2PRORIBC	195	16.0	59.8	192	223	241	224	250	217	185	213	156	125	250	250	236	191	144	221	161	220	213	204	215	154	132
J	Beck's 6948A3	186	17.3	57.0	214	209	237	226	204	204	176	221	154	134	218	234	211	181	143	209	161	207	221	194	215	147	117
	Average	**202**	**16.2**	**58**	**215**	**219**	**250**	**231**	**257**	**225**	**195**	**230**	**152**	**143**	**247**	**258**	**234**	**195**	**153**	**234**	**164**	**240**	**230**	**207**	**225**	**159**	**109**

ǂ Planting date. %M=Avg. % moisture across all locations.

YLD= Avg. Yield @ 15.5 % moisture.

TstWt= Avg. test weight lbs/bu @ 15 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 (*) were in the top performing "A" group in 2015 and 2014.

County Locations include: Calloway, KY, Cannon, Carlisle, KY, Coffee, Dyer, Fayette, Gibson, Giles, Hardeman, Haywood, Henderson, Henry 1 (Tosh Farms), Henry 2 (Brannon Farms), Hickman, Lake, Lauderdale, Madison, McCracken KY, Obion, Perry, Robertson, Smith, Tipton, and Weakley.

ǂData Provided by Ryan Blair, Ext. Area Specialist, Grain and Cotton Variety Testing, and extension agents in counties shown above.

Table 22. Yields of 16 full-season (>116 DAP) Roundup / stacked corn hybrids in 17 County Standard Tests in Tennessee during 2015.‡

MS	BRAND/HYBRID	AvgYld	Moist	TstWt	*Call*	Cann	Croc	Dyer	Faye	Gibs	Gile	Hend	Henr1	Henr2	Lake	Laud	Madi	Mont	Obio	Tipt	Weak
		bu/a	%	lb/bu	5/5ǂ	5/7	5/7	4/22	5/6	4/15	5/4	4/28	5/4	4/29	5/2	5/15	4/10	6/15	5/2	4/23	5/6
A	**Terral 27HR83	214	16.9	59.7	252	217	178	279	219	201	219	142	269	219	219	184	221	174	256	188	207
A	***Dyna-Gro D57VP51 VT3P	212	16.1	59.0	219	212	189	280	236	206	206	155	257	226	209	182	208	161	266	181	210
AB	**Croplan 8621 VT2P	210	16.2	57.7	234	233	161	277	216	200	240	158	272	212	226	176	214	126	247	188	196
ABC	DeKalb DKC 67-72 GENVT2P	208	16.9	58.2	217	187	184	275	247	201	204	170	263	203	218	199	204	130	240	179	221
ABCD	**Augusta A7767 VT3PROD	206	16.9	58.1	220	204	185	274	236	209	210	146	270	222	208	187	185	119	227	189	211
BCDE	Steyer 11702 3000GT	202	17.9	58.4	233	223	159	260	208	195	214	146	250	223	205	161	181	114	247	195	214
CDEF	Croplan 8512 DG/VT2P/RIB	201	15.9	57.9	199	209	173	247	179	203	219	138	247	226	220	166	210	149	245	191	189
DEFG	AgriGold A6719 VT2PRO	198	16.6	59.3	214	219	143	257	219	193	197	143	262	205	192	185	211	144	235	180	168
DEFG	Croplan 7927 VT3P/RIB	198	16.1	57.8	209	222	151	253	231	184	204	144	254	204	200	157	174	163	268	172	174
DEFG	Beck's 6873 AM	197	16.9	60.2	227	228	169	265	210	197	192	145	255	161	218	137	183	169	237	174	181
EFGH	Dyna-Gro 57DC58 VT2PDG	196	16.1	58.0	212	201	165	255	212	197	213	124	254	206	212	166	198	103	228	202	186
EFGH	Armor 1880 PRO2	196	16.2	59.9	197	205	150	254	242	193	214	147	243	196	195	165	177	145	239	178	184
FGH	Progeny PGY4117 VT3P	192	16.5	58.2	205	196	175	257	202	185	201	151	244	143	218	162	189	140	217	194	187
GH	Mycogen 2D848 SSX	191	18.1	58.1	200	181	152	238	207	185	197	145	235	178	208	169	191	150	222	181	209
GH	Warren Seed 9217 SSX	191	18.2	57.7	186	194	144	239	229	192	195	134	234	202	209	181	163	117	242	188	194
H	Augusta A8868 VT3PRO	187	16.3	57.9	200	215	154	256	188	189	213	108	255	153	221	164	187	119	225	163	171
	Average	**200**	**16.7**	**58.5**	**214**	**209**	**165**	**260**	**218**	**196**	**209**	**144**	**254**	**199**	**211**	**171**	**194**	**139**	**240**	**184**	**194**

ǂ Planting date. %M=Avg. % moisture across all locations.

YLD= Avg. Yield @ 15.5 % moisture.

TstWt= Avg. test weight lbs/bu @ 15 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 2015, 2014, 2013 and/or 2012.

County Locations include: Calloway KY, Cannon, Crockett, Dyer, Fayette, Gibson, Giles, Henderson, Henry 1 (Tosh Farms), Henry 2 (Barker), Lake, Lauderdale, Madison, Montgomery, Obion, Tipton, and Weakley.

ǂData Provided by Ryan Blair, Ext. Area Specialist, Grain and Cotton Variety Testing, and extension agents in counties shown above.

Table 23. Overall average yields, moistures, and test weights of 18 early-season corn hybrids evaluated in County Standard Tests and AgResearch and Education Center Tests in Tennessee during 2015†

		Avg. of CST and REC Tests			CST Tests			REC Tests		
Brand	**Hybrid §**	**Avg. Yield**	**Moisture**	**Test Weight**	**Avg. Yield**	**Moisture**	**Test Weight**	**Avg. Yield (n=7)**	**Moisture (n=7)**	**Test Weight (n=1)**
		bu/a	%	lbs/bu	bu/a	%	lbs/bu	bu/a	%	lbs/bu
Armor	1330 VT2P	213	15.7	60.2	216	15.1	60.1	211	16.3	60.3
Beck's XL Brand	6365AM (RR/LL/CB)	211	16.1	57.7	212	15.2	58.3	209	17.0	57.1
Terral-REV	23BHR55 (RR2/LL/YGCB/HX1)	205	15.9	58.6	212	15.3	58.5	198	16.5	58.6
AgriGold	A6499STXRIB	205	16.4	59.8	218	15.7	60.2	191	17.0	59.3
AgriGold	A6517VT3PRIB	205	16.5	57.3	207	15.7	57.2	202	17.2	57.4
Croplan	6640VT3P RIB	203	15.9	59.6	217	14.9	59.5	189	16.8	59.6
Dekalb	DKC62-08 GENSS	203	15.6	58.9	215	15.0	59.0	191	16.1	58.8
AgriGold	A6488VT2RIB	201	15.4	59.3	199	14.8	59.1	203	15.9	59.5
LG Seeds	LG5618VT2RIB	200	15.6	60.5	208	15.1	60.9	193	16.1	60.0
Augusta	A5262 (GT/LL/RW)	196	16.4	57.5	199	15.7	57.4	192	17.1	57.5
Terral-REV	18BHR84 (RR2/LL/YGCB/HX1)	195	15.5	58.9	205	15.1	59.1	186	15.8	58.6
Croplan	6065VT3P RIB	195	15.0	58.9	203	14.6	59.5	187	15.4	58.3
Warren Seed	DS 9610 (GT/LL//CB/RW)	191	15.2	58.1	204	15.0	57.5	178	15.3	58.7
Warren Seed	DS 9111SSX	191	15.5	57.9	195	14.9	58.4	187	16.1	57.4
Mycogen	2Y744 (RR2)	190	15.3	55.3	197	14.8	55.4	183	15.8	55.2
Armor	1033 VT2P	190	15.5	59.5	203	14.8	59.6	177	16.1	59.4
Warren Seed	DS 9212SSX	189	15.3	56.8	198	14.9	57.4	180	15.6	56.2
Steyer	11103 VT2PRORIBC	182	15.2	59.6	188	14.8	59.7	176	15.5	59.4
Average		**198**	**15.6**	**58.6**	**205**	**15.1**	**58.7**	**191**	**16.2**	**58.4**

§ 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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

Table 24. Overall average yields, moistures, and test weights of 22 medium-season corn hybrids evaluated in County Standard Tests and AgResearch and Education Center Tests in Tennessee during 2015.†

		Avg. of CST and REC Tests			CST Tests			REC Tests		
Brand	Hybrid §	Avg. Yield	Moisture	Test Weight	Avg. Yield	Moisture	Test Weight	Avg. Yield (n=7)	Moisture (n=7)	Test Weight (n=1)
		bu/a	%	lbs/bu	bu/a	%	lbs/bu	bu/a	%	lbs/bu
AgriGold	A6559VT2RIB	210	15.7	59.0	210	15.9	59.0	211	15.4	58.9
Terral-REV	25BHR26 (RR2/LL/YGCB/HX1)	208	16.8	58.3	208	16.4	59.5	207	17.1	57.1
Dekalb	DKC66-87 GENVT2P	206	17.0	57.0	210	16.5	58.4	201	17.4	55.5
Armor	A1621 VT2P	205	16.7	56.5	206	16.2	57.9	204	17.2	55.0
Dyna-Gro	D54DC94 (DG/VT2P)	203	16.5	56.7	199	16.0	58.0	207	17.0	55.3
Armor	A1414 VT2PDG	202	16.7	57.2	202	16.2	57.8	203	17.1	56.6
LG Seeds	LG5638VT2RIB	201	15.8	57.9	206	15.5	58.8	197	16.1	56.9
Progeny	PGY4114VT2P	201	16.0	58.8	202	15.6	59.2	200	16.3	58.3
Dekalb	DKC64-69 GENVT3P	201	16.3	58.7	204	15.7	58.8	198	16.9	58.6
Terral-REV	24BHR93 (RR2/LL/YGCB/HX1)	200	16.7	58.3	200	16.2	58.7	201	17.2	57.8
Augusta	A6664 (RR/CB)	200	15.8	57.6	207	15.4	58.5	193	16.2	56.7
Warren Seed	DS 9412SSX	200	16.7	56.6	200	16.3	56.9	200	17.0	56.3
Mycogen	2C797 (SSX)	200	16.5	56.7	201	16.5	56.9	198	16.5	56.4
Warren Seed	DS 9713SSX	199	17.4	55.9	205	17.0	56.8	193	17.8	55.0
Progeny	PGY5115VT2P	199	16.2	58.0	196	15.9	58.2	202	16.4	57.7
AgriGold	A6573VT3PRIB	199	16.2	58.3	201	15.8	59.6	196	16.6	56.9
Beck's Hybrids	6626AM (RR/LL/CB)	198	16.9	58.5	207	16.3	59.3	190	17.4	57.6
Dekalb	DKC65-71 GENDGVT2P	198	15.7	56.4	201	15.5	57.4	195	15.9	55.4
Mycogen	2C786 (SSX)	197	17.0	56.8	201	16.6	57.3	193	17.3	56.3
Warren Seed	DS 9314SSX	196	16.8	56.4	200	16.7	57.2	191	16.8	55.6
Steyer	11407 VT2PRORIBC	196	16.5	59.3	195	16.0	59.8	196	17.0	58.7
Beck's Hybrids	6948A3 (GT/LL/CB/RW)	188	17.5	56.7	186	17.3	57.0	191	17.7	56.3
Average		**200**	**16.5**	**57.5**	**202**	**16.2**	**58.2**	**199**	**16.8**	**56.8**

§ 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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

Table 25. Overall average yields, moistures, and test weights of 12 full-season corn hybrids evaluated in County Standard Tests and AgResearch and Education Center Tests in Tennessee during 2015.†

		Avg. of CST and REC Tests			CST Tests			REC Tests		
Brand	Hybrid §	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
AgriGold	A6719VT2PRO	211	17.5	59.6	200	16.7	59.5	222	18.2	59.7
Augusta	A7767 (RR/CB)	213	17.9	58.5	210	17.1	58.3	216	18.7	58.6
Augusta	A8868 (RR/CB/RW)	206	17.2	58.4	194	16.5	58.2	218	17.9	58.6
Beck's XL Brand	6873AM (RR/LL/CB)	209	18.0	60.4	199	17.1	60.6	219	18.9	60.2
Croplan	7927VT3P RIB	213	17.2	58.3	199	16.2	58.0	227	18.1	58.6
Dekalb	DKC67-72 GENVT2P	215	17.7	58.6	214	17.1	58.4	217	18.3	58.8
Dyna-Gro	D57DC58 (DG/VT2P)	206	16.7	59.0	201	16.2	58.5	212	17.1	59.5
Dyna-Gro	D57VP51 (VT3P)	215	16.7	59.5	214	16.2	59.2	216	17.2	59.7
Mycogen	2D848 (SSX)	203	19.9	58.3	194	18.3	58.3	211	21.4	58.2
Progeny	PGY4117VT3P	200	17.3	59.1	198	16.6	58.6	201	17.9	59.5
Steyer	11702 3000GT	208	19.5	59.0	204	18.2	58.7	212	20.7	59.3
Warren Seed	DS 9217SSX	203	20.2	57.8	196	18.4	57.9	210	22.0	57.6
Average		**209**	**18.0**	**58.9**	**202**	**17.1**	**58.7**	**215**	**18.9**	**59.0**

§ 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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

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

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

Table 26. Characteristics, as described by the seed company, of corn hybrids evaluated in yield tests in Tennessee during 2015†

Early-Season Corn Hybrid Entries		Grain		Herbicide		Released or	Seed
Brand	Hybrid §	Color	Maturity	Tolerance	BT Gene	Experimental	Treatment
AgriGold	A6411STX	Y	109	RR/LL	STX	R	P500, Votivo
AgriGold	A6472VT2RIB	Y	110	RR	VT2Pro, RIB	R	P500, Votivo
AgriGold	A6488VT2RIB	Y	111	RR	VT2Pro, RIB	R	P500, Votivo
AgriGold	A6499STXRIB	Y	112	RR/LL	SSX, RIB	R	P500, Votivo
AgriGold	A6501VT2RIB	Y	112	RR	VT2Pro, RIB	R	P500, Votivo
AgriGold	A6517VT3PRIB	Y	113	RR	VT3Pro, RIB	R	P500, Votivo
AgriGold	A6542DGVT2PRO	Y	113	RR	VT2Pro	R	P500, Votivo
AgriGold	A6559VT2RIB	Y	114	RR	VT2Pro, RIB	R	P500, Votivo
AgriGold	A6573VT3PRIB	Y	114	RR	VT3Pro, RIB	R	P500, Votivo
AgriGold	A6574VT2PRO	Y	114	RR	VT2Pro	R	P500, Votivo
AgriGold	A6579STX	Y	114	RR/LL	STX	R	P500, Votivo
AgriGold	A6659VT2RIB	Y	116	RR	VT2Pro, RIB	R	P500, Votivo
AgriGold	A6687VT2PRO	Y	117	RR	VT2Pro	R	P500, Votivo
AgriGold	A6711VT2PRO	Y	118	RR	VT2Pro	R	P500, Votivo
AgriGold	A6719VT2PRO	Y	118	RR	VT2Pro	R	P500, Votivo
Armor	1330 VT2P	Y	113	RR	VT2Pro	E	A500, Votivo
Armor	A0808 VT2PRIB	Y	108	RR	VT2Pro, RIB	R	A500, Votivo
Armor	A1033 VT2P	Y	110	RR	VT2Pro	R	A500, Votivo
Armor	A1414 VT2PDG	Y	114	RR	VT2Pro	R	A500, Votivo
Armor	A1621 VT2P	Y	116	RR	VT2P	R	A500, Votivo
Armor	AXC5112 SS	Y	112	RR	SS	R	A500, Votivo
Augusta	A4363 (RR/CB)	Y	113	RR	CB	R	Cruiser Maxx 250
Augusta	A5262 (GT/LL/RW)	Y	112	GT/LL	RW	R	Cruiser Maxx 250
Augusta	A5658 (RR/LL/CB)	Y	108	RR/LL	CB	R	Cruiser Maxx 250
Augusta	A6465 (RR/CB)	Y	115	RR	CB	R	Cruiser Maxx 250
Augusta	A6664 (RR/CB)	Y	114	RR	CB	R	Cruiser Maxx 250
Augusta	A7767 (RR/CB)	Y	117	RR	CB	R	Cruiser Maxx 250
Augusta	A8868 (RR/CB/RW)	Y	118	RR	CB, RW	R	Cruiser Maxx 250
Beck's Hybrids	6347VR (GT/LL/CB/VIP)	Y	113	GT/LL	CB, VIP	R	Escalate
Beck's Hybrids	6626AM (RR/LL/CB)	Y	114	RR/LL	CB	R	Escalate
Beck's Hybrids	6948A3 (GT/LL/CB/RW)	Y	115	GT/LL	CB/RW	R	Escalate
Beck's Hybrids	6967VR (GT/LL/CB/VIP)	Y	119	GT/LL	CB/VIP	R	Escalate
Beck's XL Brand	6158AM (RR/LL/CB)	Y	111	RR/LL	CB	R	Escalate
Beck's XL Brand	6365AM (RR/LL/CB)	Y	113	RR/LL	CB	R	Escalate
Beck's XL Brand	6873AM (RR/LL/CB)	Y	118	RR/LL	CB	R	Escalate
Caverndale Farms	CF 834 VT2PRORIB	Y	112	RR	MON 89034, RIB	R	Acceleron 250
Caverndale Farms	CF 837 GTCBLL	Y	113	GT/LL	CB	R	Acceleron 250
Caverndale Farms	CF 883 GTCBLL	Y	117	GT/LL	CB	R	Acceleron 250
Caverndale Farms	CF 894 VT2PRORIB	Y	117	RR	MON 89034, RIB	R	Acceleron 250
Croplan	6065VT3P RIB	Y	111	RR	YGCB, RW, RIB	R	Acceleron
Croplan	6640VT3P RIB	Y	113	RR	YGCB, RW, RIB	R	Acceleron
Croplan	7927VT3P RIB	Y	117	RR	YGCB, RW, RIB	R	Acceleron 250
Dekalb	DKC61-88 GENVT3P	Y	111	RR	YG, CB, C	R	Poncho 500, Acceleron
Dekalb	DKC62-08 GENSS	Y	112	RR	YG, CB, C, RW	R	Poncho 500, Acceleron
Dekalb	DKC63-60 GENSS RIB	Y	113	RR	YG, CB, C, RIB	R	Poncho 500, Acceleron

Table 26 (continued)

Early-Season Corn Hybrid Entries		Grain		Herbicide		Released or	Seed
Brand	Hybrid §	Color	Maturity	Tolerance	BT Gene	Experimental	Treatment
Dekalb	DKC64-69 GENVT3P	Y	114	RR	YG, CB, C, RW	R	Poncho 500, Acceleron
Dekalb	DKC65-71 GENDGVT2P	Y	115	RR	YG, CB, C	R	Poncho 500, Acceleron
Dekalb	DKC66-59 GENVT2P	Y	116	RR	YG, CB, C	R	Poncho 500, Acceleron
Dekalb	DKC66-87 GENVT2P	Y	116	RR	YG, CB, C	R	Poncho 500/Acceleron
Dekalb	DKC67-14 GENVT2P	Y	117	RR	YG, CB, C	R	Poncho 500, Acceleron
Dekalb	DKC67-72 GENVT2P	Y	117	RR	YG, CB, C	R	Poncho 500, Acceleron
Dyna-Gro	D54DC94 (DG/VT2P)	Y	114	RR	DG, VT2Pro	R	Acceleron Poncho, Votivo 500
Dyna-Gro	D57DC58 (DG/VT2P)	Y	117	RR	DG, VT2Pro	R	Acceleron Poncho, Votivo 500
Dyna-Gro	D57VP51 (VT3P)	Y	117	RR	VT3Pro	R	Acceleron Poncho, Votivo 500
LG Seeds	LG2636VT3PRIB	Y	113	RR	YGCB, FAW, CEW, CRW, RIB	R	clothianidin, Bacillus firmus, metalaxyl, ipconazole, trifloxystrobin
LG Seeds	LG5607VT2RIB	Y	111	RR	YGCB, FAW, CEW, RIB	R	clothiandin, Bacillus firmus, metalaxyl, ipconazole, trifloxystrobin
LG Seeds	LG5618VT2RIB	Y	112	RR	YGCB, FAW, CEW, RIB	R	clothianidin, Bacillus firmus, metalaxyl, ipconazole, trifloxystrobin
LG Seeds	LG5638VT2RIB	Y	114	RR	YGCB, FAW ,CEW, RIB	R	clothiandin, Bacillus firmus, metalaxyl, ipconazole, trifloxystrobin
LG Seeds	LG5663VT2PRO	Y	115	RR	YGCB, FAW, CEW	R	clothianidin, Bacillus firmus, metalaxyl, ipconazole, trifloxystrobin
LG Seeds	LG5701VT2RIB	Y	116	RR	YGCB, FAW, CEW, RIB	R	clothiandin, Bacillus firmus, metalaxyl, ipconazole, trifloxystrobin
Mycogen	2C786 (SSX)	Y	115	RR2/LL	SSX	R	CruiserMaxx 1250
Mycogen	2C797 (SSX)	Y	115	RR2/LL	SSX	R	CruiserMaxx 1250
Mycogen	2D848 (SSX)	Y	117	RR2/LL	SSX	R	CruiserMaxx 1250
Mycogen	2Y744 (RR2)	Y	113	RR2		R	CruiserMaxx 1250
Mycogen	X13726VH (RR2/Bt)	Y	115	RR2	Bt	E	CruiserMaxx 1250
Mycogen	X13759S3 (SSX)	Y	111	RR2	SSX	E	CruiserMaxx 1250
Mycogen	X13813VH (RR2/Bt)	Y	113	RR2	Bt	E	CruiserMaxx 1250
NK Seed	N59B-3111A (RR/LL/CB/RW/VIP	Y	107	RR/LL	CB, RW, VIP	R	Mefenoxam, Fludioxonil, Azoxystrobin, Thiabendazole, Sedaxane, Abamectin, Thiamethoxam
NK Seed	N75H-3010A (RR/LL/CB)	Y	114	RR/LL	CB	R	Mefenoxam, Fludioxonil, Azoxystrobin, Thiabendazole, Sedaxane, Abamectin, Thiamethoxam
NK Seed	N76A-GT/CB/LL	Y	114	GT/LL	CB	R	Mefenoxam, Fludioxonil, Azoxystrobin, Thiabendazole, Sedaxane, Abamectin, Thiamethoxam
Phoenix	6542A4 (GT/LL/CB/RW/VIP)	Y	115	GT/LL	CB, RW, VIP	R	Escalate
Progeny	PGY4114VT2P	Y	114	RR2	VT2Pro	R	Acceleron 1250
Progeny	PGY4115VT2P	Y	115	RR2	VT2Pro	R	Acceleron 1250
Progeny	PGY4117VT3P	Y	117	RR2	VT3Pro	R	Acceleron 1250
Progeny	PGY5115VT2P	Y	115	RR2	VT2Pro	R	Acceleron 1250
Steyer	11103 VT2PRORIBC	Y	111	RR	YGCB, RIB	R	Maxim, Quattro, Cruiser 250
Steyer	11210 VT2PRORIBC	Y	112	RR	YGCB, RIB	R	Maxim, Quatro, Cruiser 250
Steyer	11407 VT2PRORIBC	Y	114	RR	YGCB, RIB	E	Maxim, Quatro, Cruiser 250

Table 26 (continued)

Early-Season Corn Hybrid Entries		Grain		Herbicide		Released or	Seed
Brand	**Hybrid §**	**Color**	**Maturity**	**Tolerance**	**BT Gene**	**Experimental**	**Treatment**
Steyer	11604 VT2PRORIBC	Y	116	RR	YGCB, RIB	R	Maxim, Quatro, Cruiser 250
Steyer	11702 3000GT	Y	117	RR/LL	CB, RW	R	Maxim, Quatro, Cruiser 250
Terral-REV	18BHR84 (RR2/LL/YGCB/HX1)	Y	108	RR2/LL	YGCB, HX1	R	Poncho, Votivo 1250
Terral-REV	22BHR43 (RR2/LL/YGCB/HX1)	Y	112	RR2/LL	YGCB, HX1	R	Poncho, Votivo 1250
Terral-REV	23BHR55 (RR2/LL/YGCB/HX1)	Y	113	RR2/LL	YGCB, HX1	R	Poncho, Votivo 1250
Terral-REV	24BHR93 (RR2/LL/YGCB/HX1)	Y	114	RR2/LL	YGCB, HX1	R	Poncho, Votivo 1250
Terral-REV	25BHR26 (RR2/LL/YGCB/HX1)	Y	115	RR2/LL	YGCB, HX1	R	Poncho, Votivo 1250
Terral-REV	25BHR44 (RR2/LL/YGCB/HX1)	Y	115	RR2/LL	YGCB, HX1	R	Poncho, Votivo 1250
Terral-REV	28HR20 (RR/LL/HX1)	Y	118	RR2/LL	HX1	R	Poncho, Votivo 1250
TN EXP	TN 1401Y	Y	Full			E	Cruiser Maxx/Dividend XL
TN EXP	TN 1501Y	Y	Full			E	Cruiser Maxx, Dividend XL
TN EXP	TN 1502Y	Y	Full			E	Cruiser Maxx, Dividend XL
TN EXP	TN 1503W	Y	Full			E	Cruiser Maxx, Dividend XL
Warren Seed	DS 9111SSX	Y	111	RR/LL	SSX	R	Cruiser Maxx 250
Warren Seed	DS 9212SSX	Y	112	RR/LL	SSX	R	Cruiser Maxx 250
Warren Seed	DS 9217SSX	Y	117	RR/LL	SSX	R	Cruiser Maxx 250
Warren Seed	DS 9314SSX	Y	114	RR/LL	SSX	R	Cruiser Maxx 250
Warren Seed	DS 9412SSX	Y	114	RR/LL	SSX	R	Cruiser Maxx 250
Warren Seed	DS 9610 (GT/LL//CB/RW)	Y	110	GT/LL	Agrisure 3000 GT	R	Cruiser Maxx 250
Warren Seed	DS 9713SSX	Y	115	RR/LL	SSX	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, HX1 = contains a *Bacillus thuringiensis* gene for insect resistance

DG = DroughtGard

LL = contains a gene for tolerance to glufosinate

R, RR, RR2, R2, GT = con CL = contains a gene for tolerance to Imidazolinone class herbicides

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, glypohsate, and glufosinate resistance

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 cutoworm, and stalk borer resistance

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

Table 27. Contact information for corn hybrid seed companies evaluated in yield tests in Tennessee during 2015.

Company	Contact	Phone	Email	Web site	Address
Agrigold Hybrids	Chad Stanfield	731-225-6906	chad.stanfield@agrigold.com	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/	P.O. Box 899, Verona, VA, 24482
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 Co-op, Johnson City Chemicals, Maury Farmers Co-op			www.caverndalefarms.com	1921 Bluegrass Pike, Danville, KY 40422
Croplan Genetics	Andy Shrum	615-388-2800	jashrum@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
Dyna-Gro Seed	Dewain Riley	731-223-9876	dewain.riley@cpsagu.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.mycogen.com	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 Sazton	270-792-5885	mike.saxton@syngenta.com	www.nk-us.com	11055 Wayzata Blvd, Minnetonka, MN 55305
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
Wyffels Hybrids		800-369-7833		www.wyffels.com	13344 U.S. Hwy 6, Geneseo, IL, 61254



AG.TENNESSEE.EDU

Real. Life. Solutions.™

RR 16-02

E12-5117-00-007-16 1.7M 11/15 16-0066

Programs in agriculture and natural resources, 4-H youth development, family and consumer sciences, and resource development. University of Tennessee Institute of Agriculture, U.S. Department of Agriculture and county governments cooperating. UT Extension provides equal opportunities in programs and employment.