

Corn Grain Hybrid Tests in Tennessee

2008

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

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

<u>County</u>	<u>Producer</u>	<u>Agent</u>
<u>Early Season Corn Hybrid Test (Conventional & Bt)</u>		
Carlisle, KY	Brad Reddick	Bob Middleton
Coffee	L.A. Teal	Steve Harris/Dean Northcutt (Ret.)
Dyer	Carl & Marvin Schultz	Tim Campbell
Franklin	Terry Baggett	Ed Burns
Fulton, KY	Johnson Linder	Ben Mullins
Fulton, KY	Mark Yaussi	Cam Kenimer
Gibson	Denton Clay Parkins	Philip Shelby
Henry	Jamie Tosh	Staci Foy
Lake	Hopper Farms	Greg Allen
Montgomery	John Allensworth, Jr.	Rusty Evans
MREC	Dr. Blake Brown	Dr. Angela Thompson McClure
Weakley	Billy Scarbrough	Jeff Lannom

<u>Medium Season Corn Hybrid Test (Conventional & Bt)</u>		
Carlisle, KY	Brad Reddick	Bob Middleton
Coffee	L.A. Teal	Steve Harris/Dean Northcutt (Ret.)
Dyer	Carl & Marvin Schultz	Tim Campbell
Franklin	Terry Baggett	Ed Burns
Fulton, KY	Mark Yaussi	Cam Kenimer
Gibson	Denton Clay Parkins	Philip Shelby
Henry	Jamie Tosh	Staci Foy
Lake	Hopper Farms	Greg Allen
Montgomery	John Allensworth, Jr.	Rusty Evans
MREC	Dr. Blake Brown	Dr. Angela Thompson McClure
Weakley	Billy Scarbrough	Jeff Lannom

<u>Full Season Corn Hybrid Test (Conventional & Bt)</u>		
Carlisle, KY	Brad Reddick	Bob Middleton
Coffee	L.A. Teal	Steve Harris/Dean Northcutt (Ret.)
Dyer	Carl & Marvin Schultz	Tim Campbell
Franklin	Terry Baggett	Ed Burns
Fulton, KY	Mark Yaussi	Cam Kenimer
Gibson	Denton Clay Parkins	Philip Shelby
Henry	Jamie Tosh	Staci Foy
Lake	Hopper Farms	Greg Allen
Montgomery	John Allensworth, Jr.	Rusty Evans
MREC	Dr. Blake Brown	Dr. Angela Thompson McClure
Weakley	Billy Scarbrough	Jeff Lannom

County Standard Corn Tests

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

<u>County</u>	<u>Producer</u>	<u>Agent</u>
<u>Early Season Corn Hybrid Test (RR and Stacked)</u>		
Ballard, KY	J A P Farms	Bob Middleton
Coffee	L.A. Teal	Steve Harris/Dean Northcutt (Ret.)
Dyer	Carl & Marvin Schultz	Tim Campbell
Franklin	Terry Baggett	Ed Burns
Fulton, KY	Johnson Linder	Ben Mullins
Fulton, KY	Mark Yaussi	Cam Kenimer
Gibson	Keith Steele	Philip Shelby
Hardin	Gerry Lambert	Marcus McLemore
Haywood	Bradley Jones	Tracey Sullivan
Henderson	Billy Hatchett	Ron Blair
Henry	Jamie Tosh	Staci Foy
Obion	David & Scott Wisener	Tim Smith
Weakley	David Oliver	Jeff Lannom

<u>Medium Season Corn Hybrid Test (RR and Stacked)</u>		
Coffee	L.A. Teal	Steve Harris/Dean Northcutt (Ret.)
Dyer	Carl & Marvin Schultz	Tim Campbell
Fulton, KY	Johnson Linder	Ben Mullins
Gibson	Keith Steele	Philip Shelby
Giles	Pat Sulcer	Kevin Rose
Henderson	Billy Hatchett	Ron Blair
Henry	Jamie Tosh	Staci Foy
Hickman	Tim Johnston	Troy Dugger
Humphreys	Steve May	Scott Reese/Amanda Mathenia
Obion	Elwin Tanner	Tim Smith
Weakley	Luke Cochran	Jeff Lannom

<u>Full Season Corn Hybrid Test (RR and Stacked)</u>		
Ballard, KY	Larry & Tyler Powell	Bob Middleton
Coffee	L.A. Teal	Steve Harris/Dean Northcutt (Ret.)
Dyer	Carl & Marvin Schultz	Tim Campbell
Franklin	Terry Baggett	Ed Burns
Fulton, KY	Johnson Linder	Ben Mullins
Gibson	Keith Steele	Philip Shelby
Giles	Pat Sulcer	Kevin Rose
Henderson	Billy Hatchett	Ron Blair
Henry	Jamie Tosh	Staci Foy
Hickman	Tim Johnston	Troy Dugger
Humphreys	Steve May	Scott Reese/Amanda Mathenia
Obion	Elwin Tanner	Tim Smith
UT Martin	Charlie Rowlett	Dr. Richard Joost
Weakley	David Scarbrough	Jeff Lannom

County Standard Corn Tests

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

County

Producer

Agent

White Corn Hybrid Test

Carroll	Jeremy Fowler	Steve Burgess
Coffee	L.A. Teal	Steve Harris/Dean Northcutt (Ret.)
Franklin	Richard Atkinson	Ed Burns
Gibson	Tommy Price	Philip Shelby
Henry	Jamie Tosh	Staci Foy
Henry	David Wilson	Staci Foy
Lake	Hopper Farms	Greg Allen
Lincoln	Danny & Danny Good, Jr.	David Qualls
Weakley	Scotty Ogg	Jeff Lannom
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CORN GRAIN VARIETY TESTS IN TENNESSEE

RESEARCH AND EDUCATION CENTER and COUNTY STANDARD TESTS 2008

Experimental Procedures:

Research and Education Center Tests: All corn hybrid trials were conducted in each of the physiographic regions of the state. Tests were conducted at the Ames Plantation (Grand Junction), Highland Rim (Springfield), East TN (Knoxville), Middle TN (Spring Hill), and Milan (Milan) Research and Education Centers (REC). The early-season test was also conducted at the Plateau Research and Education Center in Crossville. **Duplicate plantings** of the early-, medium- and full-season tests were made at the **Milan and Middle Tennessee Research and Education Centers** for performance testing **with and without irrigation**.

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

County Standard Tests: The County Standard Corn Tests were conducted in several counties (10 – 14) in Tennessee, and a few in Western Kentucky. The number of counties depended on the test. The County Standard Tests were divided into **early-, medium-, full-season conventional & Bt tests** (same DAP criteria as listed above), **early-, medium-, full-season glyphosate resistant stacked with Bt tests and white corn tests**. 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 2008 growing season was characterized by hot, dry conditions overall but somewhat improved compared to last year's record drought. Producers planted 690,000 acres this year, a reduction of 180,000 from the record planting in 2007. Corn production for 2008 is projected to be 69.9 million bushels, a decrease of 16 percent from the previous year. Some wet conditions due to remnants of Hurricane Ike in late September gave way to dry weather during October allowing producers to finish corn harvest in a timely manner. The state corn grain yield average is projected to be 115 bu/a, 9 bushels above 2007 yields.

Interpretation of Data:

The tables on the following pages have been prepared with the entries listed in order of performance, the highest-yielding entry being listed first. **All yields presented have been adjusted to 15.5% moisture.** At the bottom of the tables, **LSD** values stand for **Least Significant Difference**. The mean yields of any two varieties being compared must differ by at least the amount shown to be considered different in yielding

ability at the 5% level of probability of significance. For example, given that the LSD for a test is 8.0 bu/a and the mean yield of Hybrid A was 110 bu/a and the mean yield of Hybrid B was 115 bu/a, then the two hybrids are not statistically different in yield because the difference of 5 bu/a is less than the minimum of 8 bu/a required for them to be significant. Similarly, if the average yield of Hybrid C was 123 bu/a then it is significantly higher yielding than both Hybrid B ($123 - 115 = 8 \text{ bu/a} = \text{LSD of } 8$) and Hybrid A ($123 - 110 = 13 \text{ bu/a} > \text{LSD of } 8$).

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 four corn hybrids were evaluated in the 2008 **Research and Education Center (REC)** tests in Tennessee. There were 47 hybrids in the early- (Tables 2-7), 55 in the medium- (Tables 8-13), and 22 hybrids in the full-season (Tables 14-19). The 124 hybrids represent 20 different brands (Tables 32-33). The **County Standard (CS)** tests consisted of an early-season conventional & Bt test (8 hybrids at 12 locations, Table 20), a early-season glyphosate resistant Bt stacked trait test (24 hybrids at 13 locations, Table 21), a medium to full-season conventional & Bt test (12 hybrids at 11 locations, Table 22), a medium-season glyphosate resistant Bt stacked trait test (22 hybrids at 11 locations, Table 23), a full-season glyphosate resistant Bt stacked trait test (7 hybrids at 14 locations, Table 24), and a test of white grain hybrids (11 hybrids at 10 locations, Table 25) for a total of 84 hybrids. In addition to Tennessee counties, the County Standard tests involved Ballard, Carlisle, and Fulton counties in Western Kentucky. Common to both the REC and the CS tests were 19 early-season, 22 medium-season, and six full-season hybrids (Tables 26-28). In the REC tests, the white grain, Bt, RW, RR, LL and stacked-trait hybrids were not placed in separate tests, but were placed in the maturity test for which they fit. Ninety-nine of the 124 hybrids in the 2008 REC tests have a Bt gene for European Corn Borer resistance (denoted by Bt, YG, CB, YGCB, YGPL, HX); 39 have a gene for Corn Root Worm resistance (denoted by YGRW, RW, CRW, YGPL); 86 have a Roundup Ready gene for tolerance to glyphosate herbicide (denoted by R, RR,RR2,GT); 19 have a gene for tolerance to Liberty (glufosinate) herbicide (denoted by LL); and 82 have “stacked” genes with trait combinations of RR, Bt, RW, LL, 39 of these hybrids are triple stacked with RR,Bt,RW (Table 32).

Irrigated vs. Non-irrigated Yields. Duplicate tests were conducted at the Milan and Middle TN Research and Education Centers with and without irrigation. In a year of moderate drought conditions during critical stages of the growing season, the average differences in yields across hybrids receiving irrigation versus non-irrigation at Milan in 2008 were: 68 bu/a for early-season hybrids (Table 2), 54 bu/a for medium-season hybrids (Table 8), and 69 bu/a for full-season hybrids (Table 14). The differences in yield between irrigated and non-irrigated plots were similar at the Middle Tennessee REC. The differences were 54, 109, and 53 bu/a for the early-, medium-, and full-season tests respectively (Tables 2, 8, and 14).

Ear Grain Fill Evaluations. Towards the end of the growing season it was noted that some producers had reported pollination and grain fill problems. The Milan Research and Education Center staff noted this problem within the REC test plots. In order to evaluate the severity and extent of this phenomenon, 20 ears from each plot were noted and placed into one of three categories: (1) ears with 50% or more grain fill, (2) ears with 25-50% grain fill, and (3) ears with less than 25% grain fill. The average yield of hybrids at the Milan REC tended to decrease as the percentage of grain fill decreased. The data for differences among hybrids for ear grain fill are presented in tables 29-31.

Table 1. Location information from research and education centers where the corn hybrid tests were conducted in Tennessee in 2008.

Research and Education Center	Location	Planting Date	Harvest Date	Plant Population	Soil Type
Early Season Corn Hybrids					
East Tennessee Plateau	Knoxville	May 5, 2008	September 26, 2008	29,621	Sequatchie Silt Loam
Highland Rim	Crossville	May 10, 2008	October 2, 2008	27,298	Hendon Silt Loam
Middle TN (irrigated)	Springfield	April 21, 2008	September 18, 2008	25,555	Dickson Silt Loam
Middle TN (non-irrigated)	Spring Hill	April 23, 2008	September 30, 2008	26,717	Maury Silt Loam
Milan (irrigated)	" "	April 22, 2008	September 16, 2008	25,846	Maury Silt Loam
" (non-irrigated)	Milan	April 23, 2008	September 16, 2008	28,169	Loring, Calloway Silt Loam
Ames Plantation	"	April 23, 2008	September 10, 2008	28,169	Grenada Silt Loam
	Grand Junction	April 30, 2008	September 23, 2008	27,878	Lexington Silt Loam

Research and Education Center	Location	Planting Date	Harvest Date	Plant Population	Soil Type
Medium Season Corn Hybrids					
East Tennessee	Knoxville	April 18, 2008	September 26, 2008	31,073	Sequatchie Silt Loam
Highland Rim	Springfield	April 21, 2008	September 23, 2008	25,265	Dickson Silt Loam
Middle TN (irrigated)	Spring Hill	April 24, 2008	October 13, 2008	26,717	Maury Silt Loam
Middle TN (non-irrigated)	" "	April 23, 2008	September 29, 2008	18,586	Maury Silt Loam
Milan (irrigated)	Milan	April 23, 2008	September 16, 2008	28,169	Loring, Calloway Silt Loam
" (non-irrigated)	"	April 23, 2008	September 15, 2008	28,459	Grenada Silt Loam
Ames Plantation	Grand Junction	April 30, 2008	September 24, 2008	28,459	Lexington Silt Loam

Research and Education Center	Location	Planting Date	Harvest Date	Plant Population	Soil Type
Full Season Corn Hybrids					
East Tennessee	Knoxville	April 18, 2008	September 29, 2008	32,525	Sequatchie Silt Loam
Highland Rim	Springfield	April 21, 2008	September 19, 2008	25,265	Dickson Silt Loam
Middle TN (irrigated)	Spring Hill	April 24, 2008	October 14, 2008	25,555	Maury Silt Loam
Middle TN (non-irrigated)	" "	April 22, 2008	September 24, 2008	24,684	Maury Silt Loam
Milan (irrigated)	Milan	April 23, 2008	September 16, 2008	27,298	Loring, Calloway Silt Loam
" (non-irrigated)	"	April 23, 2008	September 15, 2008	27,588	Grenada Silt Loam
Ames Plantation	Grand Junction	April 30, 2008	September 24, 2008	27,878	Lexington Silt Loam

Table 2. Mean yields of 47 early-season (<114 DAP) corn hybrids evaluated in eight environments in Tennessee during 2008.

Brand	Hybrid	Avg. Yield [†]	Spring Hill				Milan		Ames	
		± Std Err (n=8)	Knoxville	Crossville	(Irr.)	(Non-Irr.)	Springfield	(Irr.)		(Non-Irr.)
-----bu/a-----										
Augusta	A08-01GTCB (LL)	158 ± 3	223	105	194	143	148	189	98	165
Dekalb	DKC61-69 (VT3)	158 ± 3	215	91	185	136	150	189	113	183
Augusta	A08-08VT3	156 ± 3	230	136	182	137	136	167	90	176
Trisler Seeds	T-8A02CB	156 ± 3	219	82	195	132	116	205	116	186
Dyna-Gro	V 5373 VT3	155 ± 3	216	104	187	123	106	207	115	184
Augusta	A06-06CB (LL)	154 ± 3	224	106	192	142	123	194	105	145
Agrigold	A6479VT3	153 ± 3	212	107	192	134	132	162	114	176
Augusta	A08-11CB	152 ± 3	238	123	185	121	126	176	95	154
Agrigold	A6489VT3	152 ± 4	225	87	190	143	102	187	111	169
NK Brand	N77P-GT/CB/LL	152 ± 3	228	103	188	128	125	176	98	169
Croplan	6831VT3	152 ± 3	211	111	179	131	137	165	108	172
Wyffels	W7251 (VT3)	152 ± 3	225	90	186	146	96	181	101	189
Wyffels	W7383 (Bt)	152 ± 3	239	94	176	129	104	165	107	198
Dairyland	9313 (VT3)	151 ± 3	211	101	187	131	119	173	105	184
Augusta	A08-07HX (LL)	151 ± 3	224	105	193	123	137	169	90	169
Pioneer	33N58 (HX1/RR2/LL)	151 ± 3	216	127	192	141	101	150	89	190
NK Brand	N68-B8 (Bt)	150 ± 3	227	90	184	130	118	171	100	175
Dekalb	RX715 (VT3)	149 ± 3	210	96	181	121	116	181	102	187
Augusta	A5337CB	149 ± 3	209	106	188	131	113	172	102	171
Augusta	A08-10CB	149 ± 3	213	117	187	130	103	176	98	167
Croplan	6631VT3	148 ± 3	226	73	183	116	107	191	112	180
Dyna-Gro	57V05 (VT3)	148 ± 3	214	109	188	116	121	157	107	175
Dairyland	7611 (RR2/YGCB)	148 ± 3	211	102	187	125	121	164	104	170
Dyna-Gro	57V44 (VT3)	147 ± 3	216	92	176	122	122	174	107	170
Dyna-Gro	V 5273 VT3	147 ± 3	217	98	191	127	94	154	99	196
Dyna-Gro	57P69 (RR/Bt)	146 ± 3	207	96	177	129	106	172	102	180
FFR	650 RR2/Bt	146 ± 3	211	104	204	119	117	146	97	169
Agrigold	A6455VT3	145 ± 4	208	103	188	125	114	147	112	163
Crow's	4846 T (RR/YGPL)	144 ± 3	218	98	181	127	98	156	96	176
Augusta	A5175CB	144 ± 3	200	111	178	128	93	184	91	167
Dekalb	DKC63-42 (VT3)	143 ± 3	215	92	178	120	121	165	90	162
Augusta	A-06-04HX (LL)	143 ± 3	205	85	172	130	121	178	95	158
Pioneer	34F96 (HX1/LL/RR2)	143 ± 3	207	100	168	132	107	172	96	160
Augusta	A07-20BT (LL)	142 ± 3	194	88	176	136	106	158	97	180
Trisler Seeds	T-6N51PLRR (Bt/RW)	140 ± 3	201	92	170	126	100	177	91	161
Croplan	6150VT3	140 ± 3	207	73	168	120	109	164	98	178

Table 2 (continued)

Brand	Hybrid	Avg. Yield [†]	Spring				Milan		Ames	
		± Std Err (n=8)	Knoxville	Crossville	Hill (Irr.)	(Non-Irr.)	Springfield	(Irr.)		(Non-Irr.)
		----- bu/a -----								
Augusta	A07-40	139 ± 3	177	91	181	118	115	160	107	166
Trisler Seeds	T-7A14CB	139 ± 3	210	101	174	124	79	155	91	180
Dairyland	9009 (VT3)	138 ± 3	230	81	168	137	95	132	84	177
Belle	1147RY	136 ± 3	213	88	186	119	114	147	88	138
Dairyland	7212 (RR2/YGCB)	136 ± 3	221	96	177	124	77	135	91	168
Agrigold	A6399VT3	136 ± 3	208	89	187	123	103	147	91	139
Trisler Seeds	T-7N51VT3	133 ± 3	226	78	152	122	64	173	81	172
Augusta	A06-10	133 ± 3	172	107	168	123	111	133	74	178
Wyffels	W7648 (RR/LL/Bt)	130 ± 3	209	91	169	111	101	135	64	162
AgVenture	AV RL8128HBW (RR,LL,CB,RW)	130 ± 3	180	86	174	113	117	146	82	144
Augusta	A08-09RR	128 ± 3	167	111	145	112	91	127	94	175
Avg. (bu/a)		145	212	98	181	127	111	166	98	171
L.S.D._{.05} (bu/a)		8	22	16	24	17	37	27	19	23
C.V. (%)		10.2	6.4	9.8	8.2	8.3	20.5	10.1	12.2	8.3

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

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

YGPL = contains genes for corn borer and rootworm resistance

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

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

Table 3. Overall mean yields and agronomic characteristics of 47 early-season corn hybrids evaluated in eight environments in Tennessee during 2008.

Brand	Hybrid	Avg. Yield [†]	Moisture	Test	Lodging	Plant	Ear	Protein	Oil	Starch
		± Std Error (n=8) bu/a	at Harvest (n=8) %	Weight (n=1) lbs/bu	(n=5) %	Height [‡] (n=2) in.	Height [‡] (n=2) in.	(n=1) %	(n=1) %	(n=1) %
Augusta	A08-01GT CB (LL)	158 ± 3	16.7	59.7	1	97	41	9.9	4.2	73.3
Dekalb	DKC61-69 (VT3)	158 ± 3	15.3	58.8	1	93	36	10.0	4.7	72.2
Augusta	A08-08VT3	156 ± 3	17.2	57.5	1	103	39	10.6	4.6	72.1
Trisler Seeds	T-8A02CB	156 ± 3	15.8	59.4	1	98	38	9.7	4.3	73.0
Dyna-Gro	V 5373 VT3	155 ± 3	16.5	55.8	1	101	38	9.5	4.5	73.0
Augusta	A06-06CB (LL)	154 ± 3	16.2	57.5	1	97	37	9.0	4.1	73.9
Agrigold	A6479VT3	153 ± 3	15.9	60.0	2	90	32	9.4	5.0	71.8
Augusta	A08-11CB	152 ± 3	17.0	56.6	1	105	37	9.5	4.4	72.8
Agrigold	A6489VT3	152 ± 4	16.2	59.3	1	90	34	10.2	4.6	72.1
NK Brand	N77P-GT/CB/LL	152 ± 3	17.1	56.4	1	97	37	8.6	4.5	73.3
Croplan	6831VT3	152 ± 3	16.6	57.7	1	103	38	9.3	4.3	73.5
Wyffels	W7251 (VT3)	152 ± 3	16.5	59.0	2	96	34	10.1	4.5	72.4
Wyffels	W7383 (Bt)	152 ± 3	15.9	57.7	0	95	36	9.0	4.5	73.3
Dairyland	9313 (VT3)	151 ± 3	16.0	58.4	1	96	38	10.4	4.9	71.4
Augusta	A08-07HX (LL)	151 ± 3	16.5	56.3	1	100	36	9.5	4.8	72.6
Pioneer	33N58 (HX1/RR2/LL)	151 ± 3	16.6	59.0	1	99	37	9.4	4.5	73.1
NK Brand	N68-B8 (Bt)	150 ± 3	15.6	57.2	1	96	34	8.7	4.8	73.1
Dekalb	RX715 (VT3)	149 ± 3	16.0	59.1	0	96	38	8.9	4.8	72.5
Augusta	A5337CB	149 ± 3	17.4	56.8	1	102	35	8.5	4.6	72.8
Augusta	A08-10CB	149 ± 3	16.5	58.6	1	94	37	9.6	4.5	72.6
Croplan	6631VT3	148 ± 3	15.8	58.6	1	100	34	9.2	4.9	72.1
Dyna-Gro	57V05 (VT3)	148 ± 3	17.6	56.8	1	103	37	8.6	4.6	72.9
Dairyland	7611 (RR2/YGCB)	148 ± 3	16.1	57.3	1	95	37	9.4	4.5	72.8
Dyna-Gro	57V44 (VT3)	147 ± 3	15.7	57.3	1	100	36	9.3	4.6	72.8
Dyna-Gro	V 5273 VT3	147 ± 3	16.1	57.2	1	95	33	9.3	4.6	72.7
Dyna-Gro	57P69 (RR/Bt)	146 ± 3	15.8	57.7	1	97	34	8.9	4.4	73.0
FFR	650 RR2/Bt	146 ± 3	15.2	57.2	1	101	36	8.9	4.3	73.5
Agrigold	A6455VT3	145 ± 4	15.8	57.9	1	92	35	9.0	4.4	73.3
Crow's	4846 T (RR/YGPL)	144 ± 3	15.7	59.2	1	95	38	9.6	4.9	72.2
Augusta	A5175CB	144 ± 3	15.4	57.2	0	98	36	8.9	4.4	73.2
Dekalb	DKC63-42 (VT3)	143 ± 3	15.4	58.2	1	93	34	9.7	4.6	72.6
Augusta	A-06-04HX (LL)	143 ± 3	16.1	56.8	0	102	38	10.3	4.6	72.2
Pioneer	34F96 (HX1/LL/RR2)	143 ± 3	15.9	58.5	1	87	32	9.2	4.4	73.4
Augusta	A07-20BT (LL)	142 ± 3	15.8	56.9	6	96	41	9.6	4.0	73.7
Trisler Seeds	T-6N51PLRR (Bt/RW)	140 ± 3	15.8	59.2	1	98	37	9.7	4.8	72.0
Croplan	6150VT3	140 ± 3	15.4	59.0	1	92	34	9.9	4.4	72.6

Table 3 (continued)

Brand	Hybrid	Avg. Yield [†]	Moisture	Test	Lodging	Plant	Ear	Protein	Oil	Starch
		± Std Error (n=8)	at Harvest (n=8)	Weight (n=1)	(n=5)	Height [‡] (n=2)	Height [‡] (n=2)	(n=1)	(n=1)	(n=1)
		bu/a	%	lbs/bu	%	in.	in.	%	%	%
Augusta	A07-40	139 ± 3	15.4	60.5	4	92	34	9.3	3.8	74.2
Trisler Seeds	T-7A14CB	139 ± 3	17.0	58.9	1	90	34	9.5	5.2	71.8
Dairyland	9009 (VT3)	138 ± 3	15.8	58.6	1	101	38	9.9	5.0	72.2
Belle	1147RY	136 ± 3	15.5	56.6	1	99	35	9.2	4.4	73.1
Dairyland	7212 (RR2/YGCB)	136 ± 3	15.9	57.3	1	94	34	8.8	4.4	73.0
Agrigold	A6399VT3	136 ± 3	15.5	56.7	1	91	31	9.3	4.6	72.5
Trisler Seeds	T-7N51VT3	133 ± 3	15.8	58.4	1	99	36	9.3	4.1	73.5
Augusta	A06-10	133 ± 3	16.3	57.5	5	90	36	9.4	4.3	72.9
Wyffels	W7648 (RR/LL/Bt)	130 ± 3	16.0	58.4	0	91	34	9.7	4.6	72.9
AgVenture	AV RL8128HBW (RR,LL,CB,RW)	130 ± 3	15.6	58.7	1	93	37	10.4	4.5	72.3
Augusta	A08-09RR	128 ± 3	15.9	58.3	8	91	35	9.0	4.7	72.8
Average		145	16.1	58.0	1	96	36	9.4	4.5	72.8

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

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

YGPL = contains genes for corn borer and rootworm resistance

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

Protein, Oil, and Starch on a dry weight basis

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

[‡]Average of Knoxville and Springfield.

Table 4. Mean yields of 15 early-season (<114 DAP) corn hybrids evaluated in seven environments for two years (2007-2008) in Tennessee.

Brand	Hybrid	Avg. Yield [†]	Spring Hill			Milan		Ames	
		± Std Err (n=14)	Knoxville	Crossville	(Non-Irr.)	Springfield	(Irr.)		(Non-Irr.)
		----- bu/a -----							
Wyffels	W7383 (Bt)	146 ± 2	208	87	143	110	197	126	153
Agrigold	A6479VT3	146 ± 2	188	94	140	126	202	134	141
Croplan	6831VT3	144 ± 2	183	96	141	126	202	129	128
Dekalb	RX715 (VT3)	142 ± 2	187	89	132	115	209	125	139
Augusta	A5337CB	142 ± 2	185	92	142	111	209	122	129
Dairyland	7611 (RR2/YGCB)	141 ± 2	182	97	131	127	204	120	128
Augusta	A5175CB	141 ± 2	182	106	137	101	209	118	131
Agrigold	A6455VT3	140 ± 2	181	98	139	118	187	129	129
Augusta	A-06-04HX (LL)	139 ± 2	170	83	138	120	204	128	131
Trisler Seeds	T-6N51PLRR (Bt/RW)	138 ± 2	186	94	131	104	209	115	129
NK Brand	N68-B8 (Bt)	137 ± 2	196	83	132	102	197	120	131
Dyna-Gro	57P69 (RR/Bt)	137 ± 2	175	87	128	104	206	122	135
FFR	650 RR2/Bt	136 ± 2	186	88	136	111	187	116	130
Dekalb	DKC63-42 (VT3)	135 ± 2	177	86	135	109	204	111	124
Dairyland	7212 (RR2/YGCB)	135 ± 2	183	98	136	99	180	112	133
Avg. (bu/a)		140	185	92	136	112	200	122	133
L.S.D._{.05} (bu/a)		8	22	14	17	29	20	17	24
C.V. (%)		9.9	7.8	10.2	8.5	17.3	6.7	8.8	11.7

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

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

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

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

Table 5. Mean yields and agronomic characteristics of 15 early-season corn hybrids evaluated in seven environments for two years (2007-2008) in Tennessee.

Brand	Hybrid	Avg. Yield [†]	Moisture (n=14)	Test	Lodging (n=9)	Plant	Ear
		± Std Err (n=14)		Weight (n=5)		Height [‡] (n=4)	Height [‡] (n=4)
		bu/a	%	lbs/bu	%	in.	in.
Wyffels	W7383 (Bt)	146 ± 2	15.3	57.3	0	94	37
Agrigold	A6479VT3	146 ± 2	15.5	59.0	2	90	34
Croplan	6831VT3	144 ± 2	15.8	57.9	1	97	36
Dekalb	RX715 (VT3)	142 ± 2	15.3	58.7	0	91	37
Augusta	A5337CB	142 ± 2	16.6	56.4	1	97	35
Dairyland	7611 (RR2/YGCB)	141 ± 2	15.1	57.9	0	94	36
Augusta	A5175CB	141 ± 2	14.9	57.3	0	94	36
Agrigold	A6455VT3	140 ± 2	15.0	57.6	1	93	35
Augusta	A-06-04HX (LL)	139 ± 2	15.3	57.4	0	98	38
Trisler Seeds	T-6N51PLRR (Bt/RW)	138 ± 2	15.1	59.1	1	93	36
NK Brand	N68-B8 (Bt)	137 ± 2	14.5	56.5	0	90	32
Dyna-Gro	57P69 (RR/Bt)	137 ± 2	14.9	57.8	1	92	32
FFR	650 RR2/Bt	136 ± 2	14.5	57.5	0	94	34
Dekalb	DKC63-42 (VT3)	135 ± 2	14.5	57.7	1	89	32
Dairyland	7212 (RR2/YGCB)	135 ± 2	15.0	57.8	1	95	35
Average		140	15.1	57.7	1	93	35

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

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

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

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

[‡]Average of Knoxville and Springfield.

Table 6. Mean yields of two early-season (<114 DAP) corn hybrids evaluated in seven environments for three years (2006-2008) in Tennessee.

Brand	Hybrid	Avg. Yield [†]	Spring				Milan		Ames
		± Std Err (n=21)	Knoxville	Crossville (Non-Irr.)	Hill Springfield	(Irr.)	(Non-Irr.)		
NK Brand	N68-B8 (Bt)	143 ± 2	196	118	110	119	194	128	137
Dyna-Gro	57P69 (RR/Bt)	142 ± 2	183	124	106	125	201	127	126
	Avg. (bu/a)	142	190	121	108	122	197	127	131
	L.S.D._{.05} (bu/a)	8	21	15	17	29	19	19	30
	C.V. (%)	9.9	7.4	8.4	9.4	15.4	6.5	9.9	14.0

Table 7. Mean yields and agronomic characteristics of two early-season corn hybrids evaluated in seven environments for three years (2006-2008) in Tennessee.

Brand	Hybrid	Avg. Yield [†]	Moisture (n=21)	Test	Lodging (n=12)	Plant	Ear
		± Std Err (n=21)		Weight (n=9)		Height [‡] (n=6)	Height [‡] (n=6)
NK Brand	N68-B8 (Bt)	143 ± 2	14.8	56.8	1	94	36
Dyna-Gro	57P69 (RR/Bt)	142 ± 2	15.3	57.7	1	98	37
	Average	142	15.1	57.2	1	96	37

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

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

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

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

[‡]Average of Knoxville and Springfield.

Table 8. Mean yields of 55 medium-season (114-116 DAP) corn hybrids evaluated in seven environments in Tennessee during 2008.

Brand	Hybrid	Avg. Yield [†]	Spring Hill				Milan		Ames
		± Std Err (n=7)	Knoxville	(Irr.)	(Non-Irr.)	Springfield	(Irr.)	(Non-Irr.)	
----- bu/a -----									
Augusta	A76-64CB	172 ± 5	196	231	180	108	183	128	177
Belle	1545 RY	171 ± 5	210	214	188	98	174	143	169
Dairyland	9116 (GT/LL/CB)	168 ± 4	197	237	139	124	188	138	153
Croplan	7131VT3	165 ± 4	190	218	139	113	185	132	177
Fielder's Choice	EXP893B	163 ± 5	202	213	134	113	176	122	179
Dairyland	7615 (RR2/YGCB)	162 ± 5	201	228	139	106	170	114	175
Dekalb	DKC66-23 (RR2/YGCB)	160 ± 5	189	220	125	95	199	119	175
Dyna-Gro	57P12 (RR/Bt)	160 ± 4	205	221	147	108	143	129	165
Agrigold	A6596HXLL	159 ± 4	218	223	108	127	163	114	164
Dyna-Gro	V 56YR82 (RR/CB)	159 ± 4	232	228	96	107	172	101	175
Croplan	6986VT3	157 ± 5	178	209	131	101	183	139	162
Dyna-Gro	57F87 (YGCB)	157 ± 4	204	219	94	111	179	127	166
Wyffels	W8681 (VT3)	157 ± 4	194	223	109	106	176	122	169
Terral	TV 26TR41 (VT3)	157 ± 4	214	219	112	98	154	137	162
Augusta	A5338CB	156 ± 5	214	222	104	114	180	90	169
Agrigold	A6633VT3	156 ± 5	194	225	81	110	195	127	161
Fielder's Choice	NG6834 (VT3)	155 ± 5	186	194	140	88	188	114	172
Belle	1533 Y	155 ± 4	203	211	99	107	177	130	156
NK Brand	NX7976 (CB)	154 ± 6	192	224	102	98	168	130	164
UniSouth Genetics	84C45 (Bt)	154 ± 5	193	210	150	98	147	126	153
Dekalb	DKC64-79 (VT3)	153 ± 5	201	207	140	94	162	104	165
Dyna-Gro	57V21 (VT3)	153 ± 5	207	214	97	92	171	128	162
Terral	TV 26BR41 (RR/YGCB)	153 ± 5	195	229	110	101	150	121	165
Belle	1646 RY	153 ± 5	214	224	151	105	134	103	138
Dyna-Gro	58V24 (VT3)	153 ± 5	209	245	141	92	128	104	150
Terral	TV 25BR23 (RR/YGCB)	153 ± 4	200	226	121	101	154	118	147
Dyna-Gro	58P59 (RR/Bt)	151 ± 5	211	236	122	90	151	112	138
FFR	746 RR2/Bt	151 ± 5	197	204	142	109	144	98	166
Agrigold	A6622HXLL	151 ± 5	204	205	150	104	136	87	172
Croplan	7505VT3	151 ± 5	172	222	121	92	159	119	174
Dyna-Gro	V 5673 VT3	150 ± 5	200	220	77	99	170	125	159
Fielder's Choice	EXP846R	150 ± 4	200	193	123	98	152	108	172
Agrigold	A6632VT3	148 ± 4	184	213	92	100	152	137	161
Fielder's Choice	EXP866S	148 ± 5	206	213	84	84	170	110	170
Pioneer	33M57 (HX1/LL/RR2)	147 ± 5	204	214	103	92	161	102	153
Steyer	Exp 8003 GT/Bt/LL	146 ± 5	195	227	18	117	195	121	153

Table 8 (continued)

Brand	Hybrid	Avg. Yield [†] ± Std Err (n=7)	Spring Hill					Milan		Ames
			Knoxville	(Irr.)	(Non-Irr.)	Springfield	(Irr.)	(Non-Irr.)		
----- bu/a -----										
Agrigold	A6639VT3	146 ± 4	167	213	94	90	177	118	162	
Trisler Seeds	T-9J38RRCB	146 ± 5	186	226	63	93	171	109	172	
NK Brand	N78N-GT/CB/LL	143 ± 4	202	204	121	87	180	43	166	
Terral	TV 25BR71 (RR/Bt)	140 ± 4	192	200	111	111	137	79	154	
Steyer	Exp 8001	139 ± 6	177	221	89	93	167	76	150	
Terral	TV 24R83 (RR)	139 ± 5	218	214	87	96	130	66	161	
Dyna-Gro	57K33 (RR)	138 ± 4	163	213	117	85	136	100	155	
Terral	TVX 22TR86 (VT3)	138 ± 5	192	207	51	91	159	117	150	
Augusta	A007	138 ± 5	187	221	104	80	132	84	159	
Terral	TV 25R31 (RR)	138 ± 4	179	205	133	96	131	72	148	
UniSouth Genetics	82C00	137 ± 4	174	215	92	92	137	93	160	
Pioneer	33F85 (RR2)	137 ± 5	183	217	51	97	154	93	163	
UniSouth Genetics	80B00	136 ± 5	182	204	73	90	167	71	164	
Dyna-Gro	57K58 (RR)	135 ± 4	187	223	109	84	115	82	145	
Steyer	1863W	134 ± 5	194	196	145	69	139	66	130	
Terral	TV 26BR61 (RR/YGCB)	130 ± 5	191	226	52	99	115	64	165	
Dairyland	6114 (RR2)	128 ± 5	161	182	115	82	124	82	150	
Steyer	4171W	125 ± 5	183	210	66	91	136	48	145	
Garst	82R45GT	122 ± 5	166	226	79	82	131	5	164	
Avg. (bu/a)		152	194	217	108	98	159	105	161	
L.S.D._{.05} (bu/a)		10	19	23	23	26	31	24	26	
C.V. (%)		10.1	5.9	6.6	7.2	16.5	11.9	14.3	9.7	

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

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

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

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

Table 9. Overall mean yields and agronomic characteristics of 55 medium-season corn hybrids evaluated in seven environments in Tennessee during 2008.

Brand	Hybrid	Avg. Yield [†]	Moisture	Test	Lodging	Plant	Ear	Protein	Oil	Starch
		± Std Error (n=7) bu/a	at Harvest (n=7) %	Weight (n=1) lbs/bu	(n=4) %	Height [‡] (n=2) in.	Height [‡] (n=2) in.	(n=1) %	(n=1) %	(n=1) %
Augusta	A76-64CB	172 ± 5	16.2	57.4	1	88	32	9.3	4.2	73.3
Belle	1545 RY	171 ± 5	16.4	57.1	1	93	34	8.4	4.2	73.6
Dairyland	9116 (GT/LL/CB)	168 ± 4	15.3	59.8	1	92	39	9.7	4.1	73.6
Croplan	7131VT3	165 ± 4	16.2	58.1	1	87	30	9.8	4.2	72.8
Fielder's Choice	EXP893B	163 ± 5	15.9	61.2	2	93	36	9.9	4.7	72.4
Dairyland	7615 (RR2/YGCB)	162 ± 5	16.0	58.0	2	90	30	8.1	4.4	73.5
Dekalb	DKC66-23 (RR2/YGCB)	160 ± 5	15.5	59.7	3	93	29	9.0	4.3	73.5
Dyna-Gro	57P12 (RR/Bt)	160 ± 4	16.1	57.7	1	88	30	8.2	4.0	74.3
Agrigold	A6596HXLL	159 ± 4	15.8	57.2	1	95	35	9.2	4.5	73.1
Dyna-Gro	V 56YR82 (RR/CB)	159 ± 4	15.9	58.4	1	100	41	10.4	4.5	72.5
Croplan	6986VT3	157 ± 5	15.8	60.4	0	80	32	9.3	4.4	73.1
Dyna-Gro	57F87 (YGCB)	157 ± 4	15.9	58.0	1	92	33	8.2	4.3	73.8
Wyffels	W8681 (VT3)	157 ± 4	16.4	57.4	1	92	33	9.3	4.3	73.1
Terral	TV 26TR41 (VT3)	157 ± 4	16.4	57.3	1	95	34	9.0	4.3	73.1
Augusta	A5338CB	156 ± 5	15.9	55.9	4	94	35	8.3	4.1	73.7
Agrigold	A6633VT3	156 ± 5	15.8	56.1	2	91	29	9.0	4.5	72.7
Fielder's Choice	NG6834 (VT3)	155 ± 5	15.4	59.5	5	94	37	9.6	4.3	73.0
Belle	1533 Y	155 ± 4	16.1	57.8	2	92	34	7.9	4.1	74.3
NK Brand	NX7976 (CB)	154 ± 6	15.9	57.5	1	89	33	8.5	4.2	73.9
UniSouth Genetics	84C45 (Bt)	154 ± 5	15.9	56.9	2	96	38	9.0	4.0	73.6
Dekalb	DKC64-79 (VT3)	153 ± 5	15.3	61.2	4	90	31	9.4	4.1	73.3
Dyna-Gro	57V21 (VT3)	153 ± 5	16.4	57.8	1	87	31	9.3	4.1	73.5
Terral	TV 26BR41 (RR/YGCB)	153 ± 5	16.3	57.6	1	94	34	8.6	4.2	73.7
Belle	1646 RY	153 ± 5	15.4	56.4	3	93	33	8.0	4.3	73.6
Dyna-Gro	58V24 (VT3)	153 ± 5	15.4	56.0	1	92	34	8.4	4.1	74.2
Terral	TV 25BR23 (RR/YGCB)	153 ± 4	15.7	57.9	1	85	32	8.9	4.4	73.4
Dyna-Gro	58P59 (RR/Bt)	151 ± 5	15.6	56.5	2	92	32	8.7	4.3	73.3
FFR	746 RR2/Bt	151 ± 5	15.4	58.1	5	90	40	9.2	4.2	73.6
Agrigold	A6622HXLL	151 ± 5	15.9	59.7	1	93	37	9.7	4.6	72.7
Croplan	7505VT3	151 ± 5	16.1	61.0	1	86	32	9.6	4.5	72.8
Dyna-Gro	V 5673 VT3	150 ± 5	15.9	57.4	1	94	32	8.0	4.2	74.1
Fielder's Choice	EXP846R	150 ± 4	15.2	58.6	3	93	33	9.1	4.2	73.5
Agrigold	A6632VT3	148 ± 4	15.9	58.7	2	79	27	9.2	4.5	72.9
Fielder's Choice	EXP866S	148 ± 5	15.7	61.0	1	90	34	9.9	4.5	72.5
Pioneer	33M57 (HX1/LL/RR2)	147 ± 5	16.0	62.3	1	99	37	9.4	4.4	73.1
Steyer	Exp 8003 GT/Bt/LL	146 ± 5	15.3	59.7	1	93	41	9.4	4.3	73.5

Table 9 (continued)

Brand	Hybrid	Avg. Yield [†]	Moisture	Test	Lodging	Plant	Ear	Protein	Oil	Starch
		± Std Error (n=7)	at Harvest (n=7)	Weight (n=1)	(n=4)	Height [‡] (n=2)	Height [‡] (n=2)	(n=1)	(n=1)	(n=1)
		bu/a	%	lbs/bu	%	in.	in.	%	%	%
Agrigold	A6639VT3	146 ± 4	16.1	60.9	0	89	32	9.6	4.5	73.3
Trisler Seeds	T-9J38RRCB	146 ± 5	15.6	59.7	2	90	33	9.8	4.1	73.2
NK Brand	N78N-GT/CB/LL	143 ± 4	17.1	59.6	0	99	35	9.0	4.2	73.4
Terral	TV 25BR71 (RR/Bt)	140 ± 4	17.3	58.5	1	88	32	8.6	4.5	73.3
Steyer	Exp 8001	139 ± 6	15.8	61.1	6	100	36	8.9	4.3	74.0
Terral	TV 24R83 (RR)	139 ± 5	15.7	58.3	7	106	42	9.6	4.3	73.1
Dyna-Gro	57K33 (RR)	138 ± 4	15.9	57.8	10	91	34	8.3	4.3	73.6
Terral	TVX 22TR86 (VT3)	138 ± 5	15.0	58.0	1	94	35	9.0	4.4	73.1
Augusta	A007	138 ± 5	15.7	60.9	12	99	36	9.0	4.3	73.5
Terral	TV 25R31 (RR)	138 ± 4	17.0	58.4	4	90	34	8.9	4.5	73.3
UniSouth Genetics	82C00	137 ± 4	15.7	60.9	12	99	38	9.1	4.3	73.6
Pioneer	33F85 (RR2)	137 ± 5	15.7	59.3	3	92	35	9.1	4.3	73.4
UniSouth Genetics	80B00	136 ± 5	15.8	60.8	8	98	35	8.7	4.1	74.1
Dyna-Gro	57K58 (RR)	135 ± 4	15.3	57.3	10	87	31	8.3	4.2	73.4
Steyer	1863W	134 ± 5	16.6	60.4	4	98	39	9.1	4.5	73.1
Terral	TV 26BR61 (RR/YGCB)	130 ± 5	17.1	59.4	1	90	37	9.0	4.4	73.4
Dairyland	6114 (RR2)	128 ± 5	15.0	60.3	13	90	34	9.5	4.4	72.9
Steyer	4171W	125 ± 5	15.8	61.4	12	97	40	9.6	4.5	72.9
Garst	82R45GT	122 ± 5	15.4	58.4	4	104	41	9.5	3.9	73.8
Average		152	15.9	58.8	3	92	34	9.0	4.3	73.4

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

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

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

Protein, Oil, and Starch on a dry weight basis

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

[‡]Average of Knoxville and Springfield.

Table 10. Mean yields of 19 medium-season (114-116 DAP) corn hybrids evaluated in six environments for two years (2007-2008) in Tennessee.

Brand	Hybrid	Avg. Yield [†] ± Std Err (n=12)	Spring					
			Knoxville	Hill (Non-Irr.)	Springfield	Milan (Irr.)	(Non-Irr.)	Ames
			----- bu/a -----					
Belle	1545 RY	154 ± 3	199	154	97	197	149	125
Agrigold	A6596HXLL	151 ± 3	205	124	117	203	124	131
Dairyland	7615 (RR2/YGCB)	150 ± 3	197	129	104	200	130	141
Dekalb	DKC66-23 (RR2/YGCB)	149 ± 3	194	128	96	221	125	131
Agrigold	A6633VT3	147 ± 3	195	105	94	216	139	136
Belle	1533 Y	147 ± 3	194	111	101	205	144	127
Dyna-Gro	57P12 (RR/Bt)	147 ± 3	195	131	100	186	140	130
Dyna-Gro	57F87 (YGCB)	146 ± 3	200	107	104	198	132	135
Agrigold	A6622HXLL	146 ± 3	203	132	95	189	124	132
Augusta	A5338CB	145 ± 3	201	106	104	211	115	136
Belle	1646 RY	144 ± 3	206	131	94	183	128	123
Dyna-Gro	58P59 (RR/Bt)	143 ± 3	206	120	92	194	126	120
FFR	746 RR2/Bt	143 ± 3	192	126	100	186	126	127
Pioneer	33M57 (HX1/LL/RR2)	142 ± 3	204	105	87	201	127	129
Agrigold	A6639VT3	134 ± 3	158	101	86	192	137	130
Dyna-Gro	57K33 (RR)	132 ± 3	165	125	90	176	119	119
Terral	TV 26BR61 (RR/YGCB)	128 ± 3	187	72	93	178	105	134
Dyna-Gro	57K58 (RR)	127 ± 3	175	109	89	168	109	112
Steyer	4171W	120 ± 3	173	91	81	169	93	113
	Avg. (bu/a)	142	192	116	96	193	126	128
	L.S.D._{.05} (bu/a)	9	21	24	24	24	20	22
	C.V. (%)	10.2	7.2	10.9	16.5	8.4	10.7	10.8

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

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

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

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

Table 11. Mean yields and agronomic characteristics of 19 medium-season corn hybrids evaluated in six environments for two years (2007-2008) in Tennessee.

Brand	Hybrid	Avg. Yield [†]		Test		Plant	Ear
		± Std Err (n=12)	Moisture (n=12)	Weight (n=5)	Lodging (n=6)	Height [‡] (n=4)	Height [‡] (n=4)
		bu/a	%	lbs/bu	%	in.	in.
Belle	1545 RY	154 ± 3	15.6	57.1	1	91	35
Agrigold	A6596HXLL	151 ± 3	14.9	57.1	2	96	37
Dairyland	7615 (RR2/YGCB)	150 ± 3	15.7	57.2	2	92	34
Dekalb	DKC66-23 (RR2/YGCB)	149 ± 3	14.9	58.2	2	94	34
Agrigold	A6633VT3	147 ± 3	15.0	56.5	1	94	34
Belle	1533 Y	147 ± 3	15.7	56.9	2	96	38
Dyna-Gro	57P12 (RR/Bt)	147 ± 3	15.5	56.9	1	91	33
Dyna-Gro	57F87 (YGCB)	146 ± 3	15.5	56.9	1	89	34
Agrigold	A6622HXLL	146 ± 3	15.2	59.4	2	93	39
Augusta	A5338CB	145 ± 3	15.2	55.6	3	94	37
Belle	1646 RY	144 ± 3	15.1	55.9	3	91	36
Dyna-Gro	58P59 (RR/Bt)	143 ± 3	15.4	55.7	3	91	34
FFR	746 RR2/Bt	143 ± 3	15.1	57.9	4	94	41
Pioneer	33M57 (HX1/LL/RR2)	142 ± 3	15.6	61.6	1	99	39
Agrigold	A6639VT3	134 ± 3	15.4	59.9	1	89	35
Dyna-Gro	57K33 (RR)	132 ± 3	15.6	57.5	7	92	37
Terral	TV 26BR61 (RR/YGCB)	128 ± 3	16.6	59.2	1	92	39
Dyna-Gro	57K58 (RR)	127 ± 3	14.8	56.1	7	89	34
Steyer	4171W	120 ± 3	15.4	60.6	9	96	41
Average		142	15.4	57.7	3	93	36

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

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

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

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

[‡]Average of Knoxville and Springfield.

Table 12. Mean yields of nine medium-season (114-116 DAP) corn hybrids evaluated in six environments for three years (2006-2008) in Tennessee.

Brand	Hybrid	Avg. Yield [†]	Spring			Milan		Ames
		± Std Err (n=18)	Knoxville	Hill (Non-Irr.)	Springfield	(Irr.)	(Non-Irr.)	
		----- bu/a -----						
Belle	1545 RY	151 ± 3	191	126	124	200	151	116
Dekalb	DKC66-23 (RR2/YGCB)	150 ± 2	189	111	126	215	134	126
Belle	1533 Y	149 ± 2	188	101	129	204	153	119
Dyna-Gro	58P59 (RR/Bt)	147 ± 2	198	110	119	196	137	120
Dyna-Gro	57F87 (YGCB)	145 ± 2	192	97	126	198	137	121
Dyna-Gro	57P12 (RR/Bt)	144 ± 2	187	110	115	191	143	120
FFR	746 RR2/Bt	139 ± 2	182	100	123	182	132	116
Terral	TV 26BR61 (RR/YGCB)	139 ± 2	187	73	126	186	130	130
Dyna-Gro	57K33 (RR)	132 ± 2	166	109	116	171	116	112
Avg. (bu/a)		144	187	104	123	194	137	120
L.S.D._{.05} (bu/a)		9	19	20	23	22	20	24
C.V. (%)		9.9	6.8	11.0	13.4	7.7	10.3	12.8

Table 13. Mean yields and agronomic characteristics of nine medium-season corn hybrids evaluated in six environments for three years (2006-2008) in Tennessee.

Brand	Hybrid	Avg. Yield [†]	Test			Plant	Ear
		± Std Err (n=18)	Moisture (n=18)	Weight (n=9)	Lodging (n=9)	Height [‡] (n=6)	Height [‡] (n=6)
		bu/a	%	lbs/bu	%	in.	in.
Belle	1545 RY	151 ± 3	16.1	57.1	1	98	40
Dekalb	DKC66-23 (RR2/YGCB)	150 ± 2	15.3	58.4	2	100	38
Belle	1533 Y	149 ± 2	16.0	56.9	2	101	41
Dyna-Gro	58P59 (RR/Bt)	147 ± 2	15.7	55.7	3	98	39
Dyna-Gro	57F87 (YGCB)	145 ± 2	16.1	56.8	2	95	38
Dyna-Gro	57P12 (RR/Bt)	144 ± 2	16.3	56.8	1	98	37
FFR	746 RR2/Bt	139 ± 2	15.4	58.0	4	101	46
Terral	TV 26BR61 (RR/YGCB)	139 ± 2	17.2	59.2	1	98	45
Dyna-Gro	57K33 (RR)	132 ± 2	16.0	57.5	8	98	40
Average		144	16.0	57.4	3	98	40

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

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

W = white grain

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

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

[‡]Average of Knoxville and Springfield.

Table 14. Mean yields of 22 full-season (>116 DAP) corn hybrids evaluated in seven environments in Tennessee during 2008.

Brand	Hybrid	Avg. Yield [†] ± Std Err (n=7)	Spring				Milan		Ames
			Knoxville	Hill (Irr.)	(Non-Irr.)	Springfield	(Irr.)	(Non-Irr.)	
			----- bu/a -----						
Dekalb	DKC67-23 (RR2/YGCB)	164 ± 3	198	196	146	94	211	132	172
FFR	835 (Bt)	161 ± 3	197	201	159	86	169	154	159
Pioneer	31P42 (HX1/LL/RR2)	157 ± 4	222	176	149	60	180	128	186
Dyna-Gro	V 57YR82 (RR/CB)	154 ± 3	195	198	138	100	153	127	165
Augusta	A008VT3	152 ± 4	201	214	118	94	159	118	162
Wyffels	W9727 (RR/Bt)	151 ± 3	164	186	126	92	181	146	162
Croplan	818VT3	151 ± 3	193	192	131	78	180	116	166
Pioneer	31G71 (HX1/LL/RR2)	150 ± 3	211	188	155	85	157	63	188
Dyna-Gro	58P27 (RR2,YGCB)	146 ± 3	202	199	155	92	149	61	168
Augusta	A-06-02HX (LL)	146 ± 4	193	202	115	79	168	99	164
Dyna-Gro	58P45 (RR/YGCB)	142 ± 3	184	163	134	75	192	87	159
Dyna-Gro	58K40 (RR)	140 ± 3	174	166	128	91	179	89	154
Augusta	A07-08	139 ± 3	176	189	128	80	173	96	132
Augusta	A08-18CB	139 ± 3	202	180	133	92	153	58	152
Belle	1844RY	139 ± 4	204	203	128	87	158	27	163
Augusta	A08-71VT3	137 ± 4	207	190	131	84	165	19	165
Dyna-Gro	58K81 (RR2)	132 ± 4	198	185	127	69	162	17	168
TN Exp	TN 0704	126 ± 3	174	165	121	70	115	88	147
TN Exp	TN 0802	126 ± 4	170	164	114	74	132	82	143
TN Exp	TN 0702 (W)	126 ± 3	173	175	120	62	120	91	138
TN Exp	TN 0506 (W)	124 ± 3	170	163	114	59	124	91	148
TN Exp	TN 0801 (W)	123 ± 3	157	167	129	64	111	86	146
	Avg. (bu/a)	141	187	185	132	80	159	90	159
	L.S.D._{.05} (bu/a)	9	17	28	25	32	27	25	18
	C.V. (%)	10.7	5.2	9.1	11.1	24.1	10.5	16.6	6.7

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

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

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

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

Table 15. Overall mean yields and agronomic characteristics of 22 full-season corn hybrids evaluated in seven environments in Tennessee during 2008.

Brand	Hybrid	Avg. Yield [†]	Moisture	Test	Lodging	Plant	Ear	Protein	Oil	Starch
		± Std Error (n=7)	at Harvest (n=7)	Weight (n=1)	(n=4)	Height [‡] (n=2)	Height [‡] (n=2)	(n=1)	(n=1)	(n=1)
		bu/a	%	lbs/bu	%	in.	in.	%	%	%
Dekalb	DKC67-23 (RR2/YGCB)	164 ± 3	16.3	60.2	2	92	37	9.6	4.9	72.1
FFR	835 (Bt)	161 ± 3	16.4	57.4	1	92	35	8.2	4.5	73.6
Pioneer	31P42 (HX1/LL/RR2)	157 ± 4	16.4	59.8	1	96	37	8.7	4.6	73.2
Dyna-Gro	V 57YR82 (RR/CB)	154 ± 3	16.3	62.5	2	91	35	9.3	4.5	73.4
Augusta	A008VT3	152 ± 4	16.1	57.1	2	93	36	8.3	4.1	74.1
Wyffels	W9727 (RR/Bt)	151 ± 3	16.2	60.4	0	90	34	9.9	4.7	72.6
Croplan	818VT3	151 ± 3	16.9	58.7	1	87	34	9.9	4.6	72.5
Pioneer	31G71 (HX1/LL/RR2)	150 ± 3	16.7	60.4	1	97	34	8.8	4.6	73.3
Dyna-Gro	58P27 (RR2,YGCB)	146 ± 3	17.7	58.3	1	85	35	8.9	4.7	73.2
Augusta	A-06-02HX (LL)	146 ± 4	17.2	55.8	1	100	40	9.3	4.9	72.6
Dyna-Gro	58P45 (RR/YGCB)	142 ± 3	16.7	60.1	1	94	42	9.3	4.4	73.1
Dyna-Gro	58K40 (RR)	140 ± 3	16.8	59.6	3	96	41	9.4	4.5	73.0
Augusta	A07-08	139 ± 3	15.8	60.0	8	95	33	9.3	4.5	73.1
Augusta	A08-18CB	139 ± 3	17.2	59.9	0	92	37	9.5	4.4	73.0
Belle	1844RY	139 ± 4	17.4	60.2	0	90	37	9.4	4.5	72.9
Augusta	A08-71VT3	137 ± 4	17.3	59.3	0	91	41	9.5	4.9	72.2
Dyna-Gro	58K81 (RR2)	132 ± 4	16.7	60.2	3	92	38	9.2	4.7	72.5
TN Exp	TN 0704	126 ± 3	17.4	60.3	6	88	38	9.9	4.8	72.1
TN Exp	TN 0802	126 ± 4	16.2	59.9	4	87	36	10.1	4.7	72.2
TN Exp	TN 0702 (W)	126 ± 3	15.9	59.1	10	90	38	9.8	5.0	72.1
TN Exp	TN 0506 (W)	124 ± 3	17.3	60.4	6	88	39	9.1	5.3	71.8
TN Exp	TN 0801 (W)	123 ± 3	17.2	61.5	7	90	37	9.7	4.5	72.8
Average		141	16.7	59.6	3	91	37	9	5	73

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

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

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

Protein, Oil, and Starch on a dry weight basis

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

[‡]Average of Knoxville and Springfield.

Table 16. Mean yields of eight full-season (>116 DAP) corn hybrids evaluated in six environments for two years (2007-2008) in Tennessee.

Brand	Hybrid	Avg. Yield [†]	Spring Hill			Milan		Ames
		± Std Err (n=12)	Knoxville	(Non-Irr.)	Springfield	(Irr.)	(Non-Irr.)	
			----- bu/a -----					
Dekalb	DKC67-23 (RR2/YGCB)	154 ± 3	197	119	100	228	148	133
Pioneer	31G71 (HX1/LL/RR2)	145 ± 3	203	130	79	213	107	136
Dyna-Gro	58P45 (RR/YGCB)	136 ± 3	191	109	58	212	111	135
Augusta	A-06-02HX (LL)	135 ± 3	196	99	62	205	121	130
Dyna-Gro	58K40 (RR)	131 ± 3	173	103	79	198	110	126
TN Exp	TN 0704	126 ± 3	173	111	78	164	116	118
TN Exp	TN 0702 (W)	124 ± 3	173	108	60	180	111	110
TN Exp	TN 0506 (W)	119 ± 3	169	98	52	177	108	113
	Avg. (bu/a)	134	184	110	71	197	116	125
	L.S.D._{.05} (bu/a)	9	19	22	29	22	23	20
	C.V. (%)	10.9	6.3	12.8	27.1	7.2	12.9	10.1

Table 17. Mean yields and agronomic characteristics of eight full-season corn hybrids evaluated in six environments for two years (2007-2008) in Tennessee.

Brand	Hybrid	Avg. Yield [†]	Test			Plant	Ear
		± Std Err (n=12)	Moisture (n=12)	Weight (n=5)	Lodging (n=7)	Height [‡] (n=4)	Height [‡] (n=4)
			%	lbs/bu	%	in.	in.
Dekalb	DKC67-23 (RR2/YGCB)	154 ± 3	15.6	59.2	1	91	37
Pioneer	31G71 (HX1/LL/RR2)	145 ± 3	15.8	59.6	1	95	37
Dyna-Gro	58P45 (RR/YGCB)	136 ± 3	16.2	59.8	1	93	42
Augusta	A-06-02HX (LL)	135 ± 3	15.8	56.7	1	99	42
Dyna-Gro	58K40 (RR)	131 ± 3	16.4	59.6	2	95	41
TN Exp	TN 0704	126 ± 3	17.3	60.1	4	91	40
TN Exp	TN 0702 (W)	124 ± 3	15.5	58.4	9	89	39
TN Exp	TN 0506 (W)	119 ± 3	17.2	59.8	4	86	39
	Average	134	16.2	59.2	3	92	40

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

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

W = white grain

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

LL = contains a gene for tolerance to glufosinate

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

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

[‡]Average of Knoxville and Springfield.

Table 18. Mean yields of four full-season (>116 DAP) corn hybrid evaluated in six environments for three years (2006-2008) in Tennessee.

Brand	Hybrid	Avg. Yield [†] ± Std Err (n=18)	Spring Hill			Milan		Ames
			Knoxville	(Non-Irr.)	Springfield	(Irr.)	(Non-Irr.)	
----- bu/a -----								
Dekalb	DKC67-23 (RR2/YGCB)	152 ± 2	193	107	114	220	151	126
Dyna-Gro	58P45 (RR/YGCB)	139 ± 2	189	95	89	206	130	124
Dyna-Gro	58K40 (RR)	132 ± 2	174	90	92	194	119	122
TN Exp	TN 0506 (W)	119 ± 2	157	90	75	172	110	109
Avg. (bu/a)		135	178	95	93	198	128	120
L.S.D._{.05} (bu/a)		9	18	22	27	20	22	22
C.V. (%)		10.8	6.4	13.8	19.6	7.0	11.5	12.5

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

Table 19. Mean yields and agronomic characteristics of four full-season corn hybrid evaluated in six environments for three years (2006-2008) in Tennessee.

Brand	Hybrid	Avg. Yield [†] ± Std Err (n=18)	Moisture (n=18)	Test		Plant Height [‡] (n=6)	Ear Height [‡] (n=6)
				Weight (n=9)	Lodging (n=10)		
		bu/a	%	lbs/bu	%	in.	in.
Dekalb	DKC67-23 (RR2/YGCB)	152 ± 2	16.0	58.9	2	96	41
Dyna-Gro	58P45 (RR/YGCB)	139 ± 2	16.7	59.6	2	99	47
Dyna-Gro	58K40 (RR)	132 ± 2	16.9	59.8	2	100	46
TN Exp	TN 0506 (W)	119 ± 2	17.6	60.0	4	92	44
Average		135	16.8	59.6	3	97	44

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

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

W = white grain

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

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

[‡]Average of Knoxville and Springfield.

COUNTY STANDARD TESTS ‡

Table 20. Yields of eight early-season (<114 DAP) conventional and Bt corn hybrids in 12 County Standard Tests in Tennessee and Kentucky during 2008.†‡

MS Brand/Hybrid	Avg.	Avg.	Test ¶	KY				KY				Milan			
	Yld	Moist	Weight	Carlisle	Coffee	Dyer	Franklin	Fulton 1	Fulton 2	Gibson	Henry	Lake	Montgomery	REC	Weakley
	bu/a	%	lbs/bu	4/29 §	4/21	4/22	4/24	4/29	5/13	4/25	4/24	4/17	4/21	4/21	4/23
A *Trisler 8A02CB	172	15.8	58.0	227	115	217	159	152	171	161	179	188	200	179	115
AB Agrigold A6533Bt	166	16.6	56.6	220	103	198	144	169	166	177	192	192	183	149	98
AB *NK Brand N72-Q6 (CB/LL)	164	16.0	56.4	228	101	211	163	145	133	161	173	185	213	171	91
B Dairyland 5212 (YGCB)	162	15.7	56.4	198	100	196	165	155	163	171	179	173	182	171	96
BC Dyna-Gro V53H71 (HX1/LL)	160	16.7	57.0	218	114	195	153	138	137	156	179	186	185	167	89
BC Trisler T-8N51	159	16.4	59.0	212	106	197	153	154	161	145	172	179	189	150	98
BC Dairyland 5611 (YGCB)	159	16.1	57.1	195	96	206	156	139	161	167	179	180	172	161	91
C Mycogen 2C727 (HX1/LL)	154	16.2	56.6	191	92	187	150	147	138	172	169	168	179	151	99
Average (bu/a)	162	16.2	57.1	211	103	201	155	150	154	164	178	181	188	162	97

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

†Yields have been adjusted to 15.5% moisture. 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 average yield and in conducting the statistical analysis to determine significant differences (MS).

§ Planting date.

¶ Test weight is averaged from 8 locations.

Hybrids marked with an asterisk * were in the top performing group in 2007.

Milan R E C = Research and Education Center at Milan.

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

Table 21. Yields of 24 early-season (<114 DAP) Roundup / stacked corn hybrids in 13 County Standard Tests in Tennessee and Kentucky during 2008.†‡

MS	Brand/Hybrid	Avg. Test ¶			KY												
		Yld	Moist	Weight	Ballard	Coffee	Dyer	Franklin	Fulton 1	Fulton 2	Gibson	Hardin	Haywood	Henderson	Henry	Obion	Weakley
		bu/a	%	lbs/bu	5/1 §	4/18	4/22	4/16	4/29	5/13	5/19	5/6	4/16	4/23	4/24	4/21	4/17
A	Dekalb DKC62-99 (RR2/YGCB)	158	15.9	58.6	226	115	195	135	141	194	193	126	96	163	161	147	164
AB	*Agrigold A6479 VT3	158	16.1	58.5	229	96	195	134	201	149	193	116	99	188	167	139	144
AB	Dairyland 9009 VT3	157	15.8	58.3	221	91	201	129	182	181	193	111	112	175	180	130	137
ABC	Dekalb DKC63-42 (VT3)	156	15.9	57.8	228	108	188	122	172	161	197	114	90	209	152	144	144
ABC	Crow's 4846T (YGPL/RR2)	156	16.0	57.8	221	107	188	117	196	164	200	114	117	172	153	133	145
ABCD	Dyna-Gro V5373 VT3	155	16.8	56.9	232	92	219	131	159	151	187	100	110	168	165	142	159
ABCD	Pioneer 34F96 (HX/LL/RR2)	155	16.4	57.4	227	98	183	138	168	185	191	105	105	164	158	142	150
ABCD	***Dekalb RX715 (VT3)	155	16.3	57.8	218	108	211	136	163	160	168	124	102	167	155	138	161
ABCD	Crow's 5269 VT3	154	15.2	56.6	223	100	202	119	175	166	181	111	102	176	153	141	158
ABCDE	*Croplan CPL6886 (RR2/YGPL)	154	16.3	58.5	227	93	212	118	185	150	191	110	100	180	144	130	161
ABCDE	Agrigold A6455 VT3	154	16.1	57.1	213	100	194	131	200	162	179	108	100	180	155	139	140
ABCDE	*Pioneer 33F85 (RR2)	153	16.3	57.9	218	105	163	139	160	156	185	113	102	188	174	139	152
ABCDE	Trisler T-7N53RRCB	153	16.0	58.4	233	97	194	132	157	175	193	112	98	162	159	143	138
ABCDE	*Dairyland 7611(RR2/YGCB)	152	15.8	57.3	225	99	181	136	171	135	202	103	87	192	154	140	157
ABCDEF	AgVenture RL8128HB	152	15.7	57.1	209	95	197	137	185	169	188	110	92	169	158	138	127
ABCDEF	Dyna-Gro V5273 VT3	152	15.7	57.6	220	97	156	128	169	158	185	123	116	175	157	134	152
ABCDEFG	*Trisler T-6N51PLRR (Bt/RW)	151	16.3	58.1	223	97	188	131	157	155	195	93	104	184	159	131	141
ABCDEFG	***Dekalb DKC61-72 (RR2)	150	15.0	58.0	212	98	167	126	169	178	192	100	95	167	162	133	153
BCDEFG	NK Brand N68B-GT	150	15.4	56.5	208	91	176	135	163	158	183	113	102	167	150	139	160
CDEFG	Croplan CPL6331 VT3	149	16.7	57.5	212	77	179	140	188	153	187	115	89	182	140	132	138
DEFG	Dyna-Gro 57V05 (RR/YGPL)	147	18.0	56.9	222	98	180	103	169	167	183	121	102	177	139	136	118
EFG	Dyna-Gro 57P36 (RR/YGCB)	146	15.8	57.5	211	91	163	114	182	176	176	91	96	194	136	131	139
FG	FFR 650 RR2/Bt	144	15.9	56.8	223	91	172	126	168	164	175	91	96	174	137	126	133
G	Belle 1147 RY	143	16.3	56.7	206	90	162	115	164	153	176	112	100	171	143	131	137
Average (bu/a)		152	16.1	57.6	220	97	186	128	172	163	187	110	100	177	155	137	146

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

†Yields have been adjusted to 15.5% moisture. 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 average yield and in conducting the statistical analysis to determine significant differences (MS).

§ Planting date.

¶ Test weight is averaged from 11 locations.

Hybrids marked with an asterisk(*), (**), or (***) were in the top performing group in 2007, 2006, and/or 2005, respectively.

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

Table 22. Yields of 11 medium-season (114-116 DAP) and one full-season (>116 DAP) conventional and Bt corn hybrids in 11 County Standard Tests in Tennessee and Kentucky during 2008.†‡

MS	Brand/Hybrid #	Avg. Yld bu/a	Avg. Moisture %	Test ¶ Weight lbs/bu	KY				KY				Milan		
					Carlisle 4/29 §	Coffee 4/21	Dyer 4/22	Franklin 4/24	Fulton 5/13	Gibson 4/25	Henry 4/24	Lake 4/17	Montgomery 4/21	REC 4/21	Weakley 4/23
AB	Agrigold A6632BtCL	165	17.5	57.1	218	103	218	136	165	189	164	171	193	166	89
ABC	USG 84C45Bt	162	17.0	56.4	211	121	185	142	161	162	169	170	189	175	100
ABC	Belle 1533 YGCB	162	17.6	56.9	229	104	203	144	137	160	159	170	204	179	94
ABC	Mycogen 2T780 (HX1/LL)	162	17.0	56.7	217	109	195	148	151	176	164	178	181	167	92
ABC	**FFR 835 (Bt)	161	17.3	55.9	204	113	196	140	137	183	158	177	191	177	98
ABC	**Agrigold A6633Bt	160	16.8	55.9	207	105	211	138	164	170	165	178	181	147	97
BC	**Dyna-Gro 57F87 (YGCB)	160	17.3	56.0	221	111	205	144	139	151	165	178	183	170	90
BC	Dairyland 5615 (YGCB)	158	17.5	56.0	210	111	201	139	122	149	164	178	192	169	101
BC	USG 82C00	157	17.3	58.9	237	105	200	143	155	133	158	179	167	155	97
C	AgVenture AV 8923	154	16.1	56.1	191	102	205	136	143	161	160	164	182	156	91
Average (bu/a)		160	17.1	56.6	214	108	202	141	147	164	163	174	186	166	95

Full Season

A	*Pioneer 31D61 (YGCB)	169	17.9	59.1	252	90	233	135	181	175	155	163	195	179	105
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MS = Hybrids that have any MS letter in common are not statistically different in yield at the 5% level of probability.

†Yields have been adjusted to 15.5% moisture. 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 average yield and in conducting the statistical analysis to determine significant differences (MS).

§ Planting date.

¶ Test weight is averaged from 7 locations.

Hybrids marked with an asterisk (*) or (**) were in the top performing group in 2007 and/or 2006, respectively.

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

Table 23. Yields of 22 medium-season (114-116 DAP) Roundup / stacked corn hybrids in 11 County Standard Tests in Tennessee and Kentucky during 2008.†‡

MS	Brand/Hybrid #	Avg. Yld bu/a	Avg. Moist %	Test ¶ Weight lbs/bu	KY										
					Coffee 4/18 §	Dyer 4/22	Fulton 4/29	Gibson 5/19	Giles 5/2	Henderson 4/22	Henry 4/24	Hickman 5/21	Humphreys 4/24	Obion 4/25	Weakley 5/1
A	Dyna-Gro V56YR82 (RR2/YGCB)	183	17.7	56.8	104	196	166	177	179	193	198	186	218	232	164
AB	Agrigold A6632 VT3	183	18.2	57.0	116	216	178	179	174	206	169	172	191	224	183
ABC	*Pioneer 33N58 (HX1/LL/RR2)	182	17.1	59.6	108	201	145	168	180	206	187	207	203	229	165
ABCD	Agrigold A6633 VT3	180	18.3	56.5	108	196	158	171	182	223	169	167	201	237	167
ABCDE	Dekalb DKC65-44 (VT3)	178	17.4	59.8	108	177	157	167	186	177	184	197	202	238	161
ABCDE	Belle 1545 RY	178	18.4	57.5	107	204	155	163	186	204	164	175	196	225	176
ABCDEF	Croplan CPL7505 (RR2/YGPL)	176	18.9	59.2	103	198	168	164	175	186	163	186	208	231	153
ABCDEFG	Dyna-Gro 58P59 (RR/YGCB)	175	17.4	56.3	112	184	140	167	165	219	180	167	194	243	151
ABCDEFG	Dairyland 7615 (RR2/YGCB)	174	18.7	57.0	109	199	139	164	167	220	167	170	209	223	152
ABCDEFG	NK Brand N77P (GT/CB/LL)	174	17.8	56.9	105	194	139	154	166	212	191	154	218	208	177
BCDEFG	Steyer 1152 VT3	173	19.1	56.8	119	174	145	163	162	214	177	173	199	227	155
BCDEFG	NK Brand N78N (GT/CB/LL)	173	19.3	57.9	97	166	161	161	167	222	190	152	211	240	139
CDEFG	*Dekalb DKC64-79 (VT3)	173	17.2	60.5	107	205	132	167	157	192	165	177	211	234	152
DEFG	Trisler 9J38RRCB	172	17.5	59.7	99	189	154	156	161	192	184	170	204	222	160
DEFG	Mycogen 2T826 (RR/HX1/LL)	171	18.7	57.5	102	188	147	171	149	183	188	169	211	226	148
DEFG	Mycogen 2H790 (RR/HX1/LL)	171	17.5	58.2	105	205	151	172	172	191	179	134	189	221	160
DEFG	Crow's 5304 VT3	170	18.3	59.1	114	183	161	169	169	183	143	169	184	218	183
EFG	Dyna-Gro 57K58 (RR)	169	17.4	56.5	106	177	134	155	182	206	173	167	184	227	142
FG	FFR 746 RR2/Bt	168	17.5	58.5	104	188	154	155	164	187	171	163	192	217	154
FG	Pioneer 33M57 (HX1/LL/RR2)	168	18.0	60.6	110	183	142	163	148	172	168	198	186	208	170
G	Belle 1646 RY	166	18.0	56.3	97	171	145	161	173	193	162	173	184	222	148
G	Dairyland 6114 (RR2)	166	17.1	58.5	119	190	136	150	170	187	159	158	179	225	155
Average (bu/a)		174	18.0	58.0	107	190	150	165	170	199	174	172	199	226	160

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

†Yields have been adjusted to 15.5% moisture. 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 average yield and in conducting the statistical analysis to determine significant differences (MS).

§ Planting date.

¶ Test weight is averaged from 11 locations.

Hybrids marked with an asterisk (*) were in the top performing group in 2007.

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

Table 24. Yields of seven full-season (>116 DAP) Roundup / stacked corn hybrids in 14 County Standard Tests in Tennessee and Kentucky during 2008.†‡

MS	Brand/Hybrid #	Avg.	Avg.	Test ¶	KY													
		Yld	Moist	Weight	Ballard	Coffee	Dyer	Franklin	Fulton	Gibson	Giles	Henderson	Henry	Hickman	Humphreys	Obion	UT Martin	Weakley
		bu/a	%	lbs/bu	4/25 §	4/18	4/22	4/16	4/29	5/19	5/2	4/22	4/24	5/21	4/24	4/26	4/25	4/25
A	Pioneer 31P42 (HX1/LL/RR2)	183	17.4	59.8	191	104	203	171	213	166	197	164	201	216	203	215	169	144
AB	*Dekalb DKC67-23 (RR2/YGCB)	179	17.1	58.5	184	111	216	153	187	159	190	174	187	185	217	215	178	144
ABC	Dyna-Gro 58P27 (RR/YGCB)	176	18.9	58.1	180	109	202	131	187	167	192	185	191	186	208	218	176	126
BCD	Agrigold A6639 VT3	172	17.1	59.7	191	116	196	149	162	160	176	149	191	191	205	236	171	119
BCD	Croplan CPL851 (RR2/YGPL)	172	17.4	56.8	178	118	184	140	183	159	191	184	181	168	212	226	165	121
CD	Belle 1844 RY	170	18.5	58.6	180	100	217	148	152	158	175	190	166	168	192	226	163	142
D	Dyna-Gro V57YR82 (RR2/YGCB)	164	17.5	61.5	171	105	205	142	192	148	153	156	173	157	188	206	152	152
Average (bu/a)		174	17.7	59.0	182	109	203	148	182	159	182	172	184	182	204	220	168	135

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

†Yields have been adjusted to 15.5% moisture. 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 average yield and in conducting the statistical analysis to determine significant differences (MS).

§ Planting date.

¶ Test weight is averaged from 11 locations.

Hybrids marked with an asterisk (*) were in the top performing group in 2007.

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

Table 25. Yields of 11 white corn hybrids in ten County Standard Tests in Tennessee during 2008.†‡

MS	Brand/Hybrid #	Avg.	Avg.	Test ¶			Tosh Farm		Wilson Farm		Ogg Farm		Yeargin Farm	
		Yld	Moisture	Weight	Carroll	Coffee	Franklin	Gibson	Henry	Henry	Lake	Lincoln	Weakley	Weakley
		bu/a	%	lbs/bu	4/22 §	4/21	4/17	4/21	4/24	4/21	4/17	4/16	4/30	5/19
A	*Pioneer 33G58	128	17.7	59.7	156	97	154	48	162	106	204	101	143	108
AB	****Pioneer 32B10	123	18.3	59.0	166	90	144	46	150	130	175	94	124	109
ABC	Steyer 1713W	121	18.2	58.9	148	93	148	55	141	109	176	98	122	123
ABC	Pioneer 33H82	120	17.8	59.4	150	99	132	48	152	96	169	105	148	99
ABC	Agrigold 6637W	119	17.8	59.3	153	101	143	59	151	93	160	93	131	105
ABC	Pioneer 33F12	119	17.5	59.1	166	96	130	45	141	111	174	91	126	110
BC	*Agrigold 6537W	116	17.9	58.7	142	96	151	49	156	65	180	70	135	119
BC	Agrigold 6587W	116	18.6	59.3	150	90	131	60	154	85	169	88	118	115
BC	USG TN-506	114	20.4	58.2	144	76	140	45	133	94	178	97	126	105
C	Steyer 4171W	111	18.7	58.8	155	81	80	41	146	103	176	90	130	112
D	Steyer 654W	100	19.9	57.4	148	65	97	27	122	98	152	89	119	85
Average (bu/a)		117	18.4	58.9	153	90	132	48	146	99	174	93	129	108

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

†Yields have been adjusted to 15.5% moisture. 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 average yield and in conducting the statistical analysis to determine significant differences (MS).

§ Planting date.

¶ Test weight is averaged from 9 locations.

Hybrids marked with an asterisk(*), (**), (***) or (****) were in the top performing group in 2007, 2006, 2005 and/or 2004, respectively.

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

Table 26. Overall average yields, moistures, and test weights of 19 early-season corn hybrids evaluated in County Standard Tests and Research and Education Center Tests in Tennessee during 2008.†

Brand	Hybrid	County Standard Tests				Research and Education Center Tests		
		Avg. Yield bu/a	Avg. Moisture %	Test Weight lbs/bu	Test / # Loc	Avg. Yield (n=8) bu/a	Moisture (n=8) %	Test Weight (n=1) lbs/bu
Pioneer	33N58 (HX1/RR2/LL)	182	17.1	59.6	Med RR Stacked / 11	151	16.6	59.0
NK Brand	N77P-GT/CB/LL	174	17.8	56.9	Med RR Stacked / 11	152	17.1	56.4
Trisler Seeds	T-8A02CB	172	15.8	58.0	Early Conv. & Bt / 12	156	15.8	59.4
Agrigold	A6479VT3	158	16.1	58.5	Early RR Stacked / 13	153	15.9	60.0
Dairyland	9009 (VT3)	157	15.8	58.3	Early RR Stacked / 13	138	15.8	58.6
Dekalb	DKC63-42 (VT3)	156	15.9	57.8	Early RR Stacked / 13	143	15.4	58.2
Crow's	4846 T (RR/YGPL)	156	16.0	57.8	Early RR Stacked / 13	144	15.7	59.2
Dyna-Gro	V 5373 VT3	155	16.8	56.9	Early RR Stacked / 13	155	16.5	55.8
Pioneer	34F96 (HX1/LL/RR2)	155	16.4	57.4	Early RR Stacked / 13	143	15.9	58.5
Dekalb	RX715 (VT3)	155	16.3	57.8	Early RR Stacked / 13	149	16.0	59.1
Agrigold	A6455VT3	154	16.1	57.1	Early RR Stacked / 13	145	15.8	57.9
Dairyland	7611 (RR2/YGCB)	152	15.8	57.3	Early RR Stacked / 13	148	16.1	57.3
AgVenture	AV RL8128HBW (RR,LL,CB,RW)	152	15.7	57.1	Early RR Stacked / 13	130	15.6	58.7
Dyna-Gro	V 5273 VT3	152	15.7	57.6	Early RR Stacked / 13	147	16.1	57.2
Trisler Seeds	T-6N51PLRR (Bt/RW)	151	16.3	58.1	Early RR Stacked / 13	140	15.8	59.2
NK Brand	N68-B8 (Bt)	150	15.4	56.5	Early RR Stacked / 13	150	15.6	57.2
Dyna-Gro	57V05 (VT3)	147	18.0	56.9	Early RR Stacked / 13	148	17.6	56.8
FFR	650 RR2/Bt	144	15.9	56.8	Early RR Stacked / 13	146	15.2	57.2
Belle	1147RY	143	16.3	56.7	Early RR Stacked / 13	136	15.5	56.6
Average		156	16.3	57.5		146	16.0	58.0

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

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

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

†All Yields are adjusted to 15.5% moisture.

Yield comparisons should only be made within the group of hybrids that were evaluated in the same CountyStandard Test in the same number of locations, e.g., Early Conv. & BT / 12 or Early RR Stacked / 13.

Table 27. Overall average yields, moistures, and test weights of 22 medium-season corn hybrids evaluated in County Standard Tests and Research and Education Center Tests in Tennessee during 2008.†

Brand	Hybrid	County Standard Tests				Research and Education Center Tests		
		Avg. Yield	Avg. Moisture	Test Weight	Test / # Loc	Avg. Yield (n=7)	Moisture (n=7)	Test Weight (n=1)
		bu/a	%	lbs/bu		bu/a	%	lbs/bu
Dyna-Gro	V 56YR82 (RR/CB)	183	17.7	56.8	Med RR Stacked / 11	159	15.9	58.4
Agrigold	A6632VT3	183	18.2	57.0	Med RR Stacked / 11	148	15.9	58.7
Agrigold	A6633VT3	180	18.3	56.5	Med RR Stacked / 11	156	15.8	56.1
Belle	1545 RY	178	18.4	57.5	Med RR Stacked / 11	171	16.4	57.1
Croplan	7505VT3	176	18.9	59.2	Med RR Stacked / 11	151	16.1	61.0
Dyna-Gro	58P59 (RR/Bt)	175	17.4	56.3	Med RR Stacked / 11	151	15.6	56.5
Dairyland	7615 (RR2/YGCB)	174	18.7	57.0	Med RR Stacked / 11	162	16.0	58.0
NK Brand	N78N-GT/CB/LL	173	19.3	57.9	Med RR Stacked / 11	143	17.1	59.6
Dekalb	DKC64-79 (VT3)	173	17.2	60.5	Med RR Stacked / 11	153	15.3	61.2
Agrigold	A6639VT3	172	17.1	59.7	Full RR Stacked / 14	146	16.1	60.9
Trisler Seeds	T-9J38RRCB	172	17.5	59.7	Med RR Stacked / 11	146	15.6	59.7
Dyna-Gro	57K58 (RR)	169	17.4	56.5	Med RR Stacked / 11	135	15.3	57.3
FFR	746 RR2/Bt	168	17.5	58.5	Med RR Stacked / 11	151	15.4	58.1
Pioneer	33M57 (HX1/LL/RR2)	168	18.0	60.6	Med RR Stacked / 11	147	16.0	62.3
Belle	1646 RY	166	18.0	56.3	Med RR Stacked / 11	153	15.4	56.4
Dairyland	6114 (RR2)	166	17.1	58.5	Med RR Stacked / 11	128	15.0	60.3
UniSouth Genetics	84C45 (Bt)	162	17.0	56.4	Med Conv. & Bt / 11	154	15.9	56.9
Belle	1533 Y	162	17.6	56.9	Med Conv. & Bt / 11	155	16.1	57.8
Dyna-Gro	57F87 (YGCB)	160	17.3	56.0	Med Conv. & Bt / 11	157	15.9	58.0
UniSouth Genetics	82C00	157	17.3	58.9	Med Conv. & Bt / 11	137	15.7	60.9
Pioneer	33F85 (RR2)	153	16.3	57.9	Early RR Stacked / 13	137	15.7	59.3
Steyer	4171W	111	18.7	58.8	White / 10	125	15.8	61.4
Average		167	17.8	57.9		148	15.8	58.9

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

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

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

†All Yields are adjusted to 15.5% moisture.

Yield comparisons should only be made within the group of hybrids that were evaluated in the same County Standard Test in the same number of locations, e.g.,

Med Conv. & BT / 11 or Med RR Stacked / 11.

Table 28. Overall average yields, moistures, and test weights of six full-season corn hybrids evaluated in County Standard Tests and Research and Education Center Tests in Tennessee during 2008.†

Brand	Hybrid	County Standard Tests				Research and Education Center Tests		
		Avg. Yield	Avg. Moisture	Test Weight	Test / # Loc	Avg. Yield (n=7)	Moisture (n=7)	Test Weight (n=1)
		bu/a	%	lbs/bu		bu/a	%	lbs/bu
Pioneer	31P42 (HX1/LL/RR2)	183	17.4	59.8	Full RR Stacked / 14	157	16.4	59.8
Dekalb	DKC67-23 (RR2/YGCB)	179	17.1	58.5	Full RR Stacked / 14	164	16.3	60.2
Dyna-Gro	58P27 (RR2,YGCB)	176	18.9	58.1	Full RR Stacked / 14	146	17.7	58.3
Belle	1844RY	170	18.5	58.6	Full RR Stacked / 14	139	17.4	60.2
Dyna-Gro	V 57YR82 (RR/CB)	164	17.5	61.5	Full RR Stacked / 14	154	16.3	62.5
FFR	835 (Bt)	161	17.3	55.9	Med Conv. & Bt / 11	161	16.4	57.4
Average		172	17.8	58.7		154	16.8	59.8

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

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

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

†All Yields are adjusted to 15.5% moisture.

Yield comparisons should only be made within the group of hybrids that were evaluated in the same County Standard Test in the same number of locations, e.g.,

Med Conv. & Bt / 11 or Full RR Stacked / 14.

Table 29. Mean yields of 47 early-season (<114 DAP) corn hybrids evaluated at Milan REC for ear grain fill during 2008.

Brand	Hybrid	Milan		Ears with 50% or > Grain Fill	Ears with 50 - 25% Grain Fill	Ears with < 25% Grain Fill
		(Irr.)	(Non-Irr.)			
		-----	bu/a	-----	%	%
Agrigold	A6489VT3	187	111	96	1	3
Agrigold	A6479VT3	162	114	94	1	5
Agrigold	A6455VT3	147	112	99	0	1
Agrigold	A6399VT3	147	91	96	1	3
AgVenture	AV RL8128HBW (RR,LL,CB,RW)	146	82	96	1	3
Augusta	A06-06CB (LL)	194	105	95	0	5
Augusta	A08-01GT3CB (LL)	189	98	96	1	3
Augusta	A5175CB	184	91	91	3	6
Augusta	A-06-04HX (LL)	178	95	94	0	6
Augusta	A08-10CB	176	98	93	3	5
Augusta	A08-11CB	176	95	98	0	3
Augusta	A5337CB	172	102	95	3	3
Augusta	A08-07HX (LL)	169	90	98	0	3
Augusta	A08-08VT3	167	90	75	8	18
Augusta	A07-40	160	107	99	0	1
Augusta	A07-20BT (LL)	158	97	94	3	4
Augusta	A06-10	133	74	93	1	6
Augusta	A08-09RR	127	94	93	1	6
Belle	1147RY	147	88	95	1	4
Croplan	6631VT3	191	112	100	0	0
Croplan	6831VT3	165	108	98	1	1
Croplan	6150VT3	164	98	96	1	3
Crow's	4846 T (RR/YGPL)	156	96	98	1	1
Dairyland	9313 (VT3)	173	105	91	5	4
Dairyland	7611 (RR2/YGCB)	164	104	96	1	3
Dairyland	7212 (RR2/YGCB)	135	91	93	1	6
Dairyland	9009 (VT3)	132	84	71	8	23
Dekalb	DKC61-69 (VT3)	189	113	98	0	3
Dekalb	RX715 (VT3)	181	102	96	1	3
Dekalb	DKC63-42 (VT3)	165	90	96	4	0

Table 29 (continued)

Brand	Hybrid	Milan		Ears with	Ears with	Ears with
		(Irr.)	(Non-Irr.)	50% or > Grain Fill	50 - 25% Grain Fill	< 25% Grain Fill
		----- bu/a -----		%	%	%
Dyna-Gro	V 5373 VT3	207	115	99	0	1
Dyna-Gro	57V44 (VT3)	174	107	95	1	4
Dyna-Gro	57P69 (RR/Bt)	172	102	95	0	5
Dyna-Gro	57V05 (VT3)	157	107	98	1	1
Dyna-Gro	V 5273 VT3	154	99	98	0	3
FFR	650 RR2/Bt	146	97	100	0	0
NK Brand	N77P-GT/CB/LL	176	98	99	0	1
NK Brand	N68-B8 (Bt)	171	100	100	0	0
Pioneer	34F96 (HX1/LL/RR2)	172	96	100	0	0
Pioneer	33N58 (HX1/RR2/LL)	150	89	76	9	15
Trisler Seeds	T-8A02CB	205	116	100	0	0
Trisler Seeds	T-6N51PLRR (Bt/RW)	177	91	95	0	5
Trisler Seeds	T-7N51VT3	173	81	96	3	1
Trisler Seeds	T-7A14CB	155	91	98	0	3
Wyffels	W7251 (VT3)	181	101	100	0	0
Wyffels	W7383 (Bt)	165	107	99	0	1
Wyffels	W7648 (RR/LL/Bt)	135	64	69	9	23
	Average	166	98	94	2	4
	L.S.D._{.05} (bu/a)	27	19			
	C.V. (%)	10.1	12.2			

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

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

YGPL = contains genes for corn borer and rootworm resistance

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

†All Yields are adjusted to 15.5% moisture.

Ear Fill Rating = average count of 20 ears from each of 4 reps at Milan REC evaluated as having grain fill of 50% or greater, 25-50%, or less than 25%.

Table 30. Mean yields of 55 medium-season (114-116 DAP) corn hybrids evaluated at Milan REC for ear grain fill during 2008.

Brand	Hybrid	Milan		Ears with 50% or > Grain Fill	Ears with 50 - 25% Grain Fill	Ears with < 25% Grain Fill
		(Irr.)	(Non-Irr.)			
		-----	bu/a	-----	%	%
Agrigold	A6633VT3	195	127	98	3	0
Agrigold	A6639VT3	177	118	100	0	0
Agrigold	A6596HXLL	163	114	86	5	9
Agrigold	A6632VT3	152	137	98	3	0
Agrigold	A6622HXLL	136	87	93	4	4
Augusta	A76-64CB	183	128	96	4	0
Augusta	A5338CB	180	90	95	3	3
Augusta	A007	132	84	94	1	5
Belle	1533 Y	177	130	100	0	0
Belle	1545 RY	174	143	100	0	0
Croplan	7131VT3	185	132	100	0	0
Croplan	6986VT3	183	139	98	1	1
Croplan	7505VT3	159	119	99	1	0
Dairyland	9116 (GT/LL/CB)	188	138	99	1	1
Dairyland	7615 (RR2/YGCB)	170	114	99	1	0
Dairyland	6114 (RR2)	124	82	95	4	1
Dekalb	DKC66-23 (RR2/YGCB)	199	119	95	1	4
Dekalb	DKC64-79 (VT3)	162	104	96	0	4
Dyna-Gro	57F87 (YGCB)	179	127	98	0	3
Dyna-Gro	V 56YR82 (RR/CB)	172	101	91	3	6
Dyna-Gro	57V21 (VT3)	171	128	96	1	3
Dyna-Gro	V 5673 VT3	170	125	98	0	3
Dyna-Gro	58P59 (RR/Bt)	151	112	100	0	0
Dyna-Gro	57P12 (RR/Bt)	143	129	95	5	0
Dyna-Gro	57K33 (RR)	136	100	99	0	1
Dyna-Gro	58V24 (VT3)	128	104	95	1	4
Dyna-Gro	57K58 (RR)	115	82	89	4	8
Fielder's Choice	NG6834 (VT3)	188	114	100	0	0
Fielder's Choice	EXP893B	176	122	100	0	0
Fielder's Choice	EXP866S	170	110	96	0	4
Fielder's Choice	EXP846R	152	108	100	0	0
Garst	82R45GT	131	5	49	4	48

Table 30 (continued)

Brand	Hybrid	Milan		Ears with	Ears with	Ears with
		(Irr.)	(Non-Irr.)	50% or >	50 - 25%	< 25%
		----- bu/a -----		Grain Fill	Grain Fill	Grain Fill
				%	%	%
NK Brand	N78N-GT/CB/LL	180	43	95	3	3
NK Brand	NX7976 (CB)	168	130	98	3	0
Pioneer	33M57 (HX1/LL/RR2)	161	102	95	4	1
Pioneer	33F85 (RR2)	154	93	96	0	4
Steyer	Exp 8003 GT/Bt/LL	195	121	100	0	0
Steyer	Exp 8001	167	76	94	4	3
Steyer	1863W	139	66	95	0	5
Steyer	4171W	136	48	96	1	3
Terral	TVX 22TR86 (VT3)	159	117	99	0	1
Terral	TV 26TR41 (VT3)	154	137	98	0	3
Terral	TV 25BR23 (RR/YGCB)	154	118	100	0	0
Terral	TV 26BR41 (RR/YGCB)	150	121	99	1	0
Terral	TV 25BR71 (RR/Bt)	137	79	84	8	9
Terral	TV 25R31 (RR)	131	72	83	8	10
Terral	TV 24R83 (RR)	130	66	98	1	1
Terral	TV 26BR61 (RR/YGCB)	115	64	65	13	23
Trisler Seeds	T-9J38RRCB	171	109	100	0	0
UniSouth Genetics	84C45 (Bt)	147	126	95	3	3
UniSouth Genetics	82C00	137	93	85	10	5
Wyffels	W8681 (VT3)	176	122	98	0	3
Avg. (bu/a)		159	105	94	2	4
L.S.D._{.05} (bu/a)		31	24			
C.V. (%)		11.9	14.3			

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

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

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

†All Yields are adjusted to 15.5% moisture.

Ear Fill Rating = average count of 20 ears from each of 4 reps at Milan REC evaluated as having grain fill of 50% or greater, 25-50%, or less than 25%.

Table 31. Mean yields of 22 full-season (116> DAP) corn hybrids evaluated at Milan REC for ear grain fill during 2008.

Brand	Hybrid	Milan		Ears with	Ears with	Ears with
		(Irr.)	(Non-Irr.)	50% or > Grain Fill	50 - 25% Grain Fill	< 25% Grain Fill
		----- bu/a -----		%	%	%
Augusta	A07-08	173	96	93	3	3
Augusta	A-06-02HX (LL)	168	99	98	2	0
Augusta	A08-71VT3	165	19	90	5	5
Augusta	A008VT3	159	118	92	8	0
Augusta	A08-18CB	153	58	88	10	2
Belle	1844RY	158	27	97	0	3
Croplan	818VT3	180	116	93	7	0
Dekalb	DKC67-23 (RR2/YGCB)	211	132	98	2	0
Dyna-Gro	58P45 (RR/YGCB)	192	87	100	0	0
Dyna-Gro	58K40 (RR)	179	89	100	0	0
Dyna-Gro	58K81 (RR2)	162	17	87	10	3
Dyna-Gro	V 57YR82 (RR/CB)	153	127	100	0	0
Dyna-Gro	58P27 (RR2,YGCB)	149	61	88	5	7
FFR	835 (Bt)	169	154	100	0	0
Pioneer	31P42 (HX1/LL/RR2)	180	128	100	0	0
Pioneer	31G71 (HX1/LL/RR2)	157	63	87	7	7
TN Exp	TN 0802	132	82	100	0	0
TN Exp	TN 0506 (W)	124	91	97	3	0
TN Exp	TN 0702 (W)	120	91	98	2	0
TN Exp	TN 0704	115	88	100	0	0
TN Exp	TN 0801 (W)	111	86	98	2	0
Wyffels	W9727 (RR/Bt)	181	146	98	2	0
Avg. (bu/a)		159	90	96	3	1
L.S.D._{.05} (bu/a)		27	25			
C.V. (%)		11	17			

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

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

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

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

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

†All Yields are adjusted to 15.5% moisture.

Ear Fill Rating = average count of 20 ears from each of 3 reps at Milan REC evaluated as having grain fill of 50% or greater, 25-50%, or less than 25%.

Table 32. Characteristics, as described by the seed company, of corn hybrids evaluated in yield tests in Tennessee during 2008.†

Early-Season Corn Hybrid Entries		Grain		Herbicide		Released or	
Brand	Hybrid	Color	Maturity	Tolerance	BT Gene	Experimental	Comments from Companies
Agrigold	A6455VT3	Y	110	RR2	YGCB/RW	R	---
Agrigold	A6479VT3	Y	112	RR2	YGCB/RW	R	---
Agrigold	A6489VT3	Y	112	RR2	YGCB/RW	R	---
Agrigold	A6399VT3	Y	108	RR2	YGCB/RW	R	---
AgVenture	AV RL8128HBW (RR,LL,CB,RW)	Y	110	RR/LL	CRW/Bt	R	High yield, suited to variable soils
Augusta	A-06-04HX (LL)	Y	109	LL	HX	R	Standability, stress tolerant
Augusta	A5175CB	Y	107	---	YGCB	R	Highly adapted early hybrid
Augusta	A5337CB	Y	113	---	YG	R	High yield environments, highly digestible silage
Augusta	A06-06CB (LL)	Y	111	LL	Bt	R	High test weight
Augusta	A08-01GTCB (LL)	Y	111	GT/LL	Bt	R	Plant health
Augusta	A08-07HX (LL)	Y	113	LL	HX	E	Yield & standability
Augusta	A08-08VT3	Y	113	RR	CB/RW	E	---
Augusta	A08-09RR	Y	111	RR	---	E	---
Augusta	A08-10CB	Y	113	---	CB	E	High yielding
Augusta	A08-11CB	Y	111	---	CB	E	Fast dry down
Augusta	A07-40	Y	109	---	---	E	Conventional
Augusta	A06-10	Y	113	---	---	R	Stress tolerant conventional
Augusta	A07-20BT (LL)	Y	110	LL	Bt	R	Yield, health, test weight
Belle	1147RY	Y	111	RR2	YGCB	R	Versatile performer
Croplan	6831VT3	Y	112	RR	RW + Bt	R	Great silage, not for poorly drained soils
Croplan	6150VT3	Y	111	RR	CRW/Bt	R	High yield for better soils
Croplan	6631VT3	Y	113	RR	CRW/Bt	R	Avoid poor drained soils, medium populations
Crow's	4846 T (RR/YGPL)	Y	110	RR	YGCB/YGRW	R	High yield, good stress tolerance
Dairyland	7212 (RR2/YGCB)	Y	112	RR2	YGCB	R	---
Dairyland	7611 (RR2/YGCB)	Y	111	RR2	YGCB	R	---
Dairyland	9009 (VT3)	Y	109	RR2	YGCB/RW	R	---
Dairyland	9313 (VT3)	Y	113	RR2	YGCB/RW	R	---
Dekalb	DKC63-42 (VT3)	Y	113	RR2	YGCB + RW	R	---
Dekalb	RX715 (VT3)	Y	111	RR2	YGCB + RW	R	---
Dekalb	DKC61-69 (VT3)	Y	111	RR	YGCB/RW	R	---
Dyna-Gro	57P69 (RR/Bt)	Y	113	RR2	YGCB	R	High yield, silage hybrid
Dyna-Gro	57V44 (VT3)	Y	111	RR2	YGCB/RW	R	High fertility soils, limited irrigation
Dyna-Gro	57V05 (VT3)	Y	113	RR2	YGCB/RW	R	High yield, drought tolerant, all soils
Dyna-Gro	V 5273 VT3	Y	112	RR	CB/RW	R	Needs high management
Dyna-Gro	V 5373 VT3	Y	113	RR	CB/RW	R	High yield, stress tolerant
FFR	650 RR2/Bt	Y	110	RR2	Bt	R	Tall, early, silage, good stadibility
NK Brand	N68-B8 (Bt)	Y	110	---	Bt	R	Well suited for high yield environments
NK Brand	N77P-GT/CB/LL	Y	112	RR/LL	CB	R	Well suited to high yield environments
Pioneer	33N58 (HX1/RR2/LL)	Y	113	RR2/LL	HX1	R	---
Pioneer	34F96 (HX1/LL/RR2)	Y	111	RR2/LL	HX1	R	---
Trisler Seeds	T-6N51PLRR (Bt/RW)	Y	110	RR	CB + RW	R	Consistent yields, suited for marginal soils
Trisler Seeds	T-7A14CB	Y	111	---	Bt	R	Suited for marginal soils
Trisler Seeds	T-7N51VT3	Y	112	RR	Bt/RW	R	Disease & stress tolerance
Trisler Seeds	T-8A02CB	Y	113	---	Bt	R	High yield on most soils
Wyffels	W7383 (Bt)	Y	112	---	YGCB	R	High yield

Table 32 (continued)

Wyffels	W7251 (VT3)	Y	111	RR2	YGCB/RW	R	High yielding
Wyffels	W7648 (RR/LL/Bt)	Y	112	RR2/LL	HXT	R	Stress tolerance

Medium-Season Corn Hybrid Entries		Grain	Herbicide	Released or			
Brand	Hybrid	Color	Maturity	Tolerance	BT Gene	Experimental	Comments from Companies
Agrigold	A6596HXLL	Y	114	LL	HX	R	---
Agrigold	A6622HXLL	Y	115	LL	HX	R	---
Agrigold	A6633VT3	Y	115	RR2	YGCB/RW	R	---
Agrigold	A6639VT3	Y	115	RR2	YGCB/RW	R	---
Agrigold	A6632VT3	Y	115	RR2	YGCB/RW	R	---
Augusta	A5338CB	Y	116	---	YG	R	High yield environments, highly digestible silage
Augusta	A76-64CB	Y	115	---	CB	E	Yield & standability
Augusta	A007	Y	115	---	---	R	Conventional
Belle	1533 Y	Y	115	---	YGCB	R	Versatile performer
Belle	1545 RY	Y	115	RR2	YGCB	R	Versatile performer
Belle	1646 RY	Y	116	RR2	YGCB	R	High yielding
Croplan	6986VT3	Y	114	RR	CRW/Bt	R	Avoid sandy soils, "improved 6886"
Croplan	7131VT3	Y	115	RR	CRW/Bt	R	High yield
Croplan	7505VT3	Y	115	RR	CRW/Bt	R	Great disease tolerance, responds to high population
Dairyland	7615 (RR2/YGCB)	Y	115	RR2	YGCB	R	---
Dairyland	6114 (RR2)	Y	114	RR2	---	R	---
Dairyland	9116 (GT/LL/CB)	Y	116	GT/LL	CB	R	---
Dekalb	DKC66-23 (RR2/YGCB)	Y	116	RR2	YGCB	R	---
Dekalb	DKC64-79 (VT3)	Y	114	RR	YGCB/RW	R	---
Dyna-Gro	57F87 (YGCB)	Y	115	---	YGCB	R	Very drought tolerant, clay soils
Dyna-Gro	57K33 (RR)	Y	114	RR2	---	R	Very good drought tolerance, silage
Dyna-Gro	57K58 (RR)	Y	115	RR2	---	R	Very good drought tolerance, silage, all soils
Dyna-Gro	57P12 (RR/Bt)	Y	115	RR2	YGCB	R	High yield, drought tolerance, all soils
Dyna-Gro	58P59 (RR/Bt)	Y	116	RR2	YGCB	R	High yield, silage hybrid
Dyna-Gro	57V21 (VT3)	Y	115	RR2	YGCB/RW	R	Disease resistance, high fertility soils, irrigation
Dyna-Gro	58V24 (VT3)	Y	116	RR2	YGCB/RW	R	High yield, good drought tolerance
Dyna-Gro	V 5673 VT3	Y	116	RR	CB/RW	R	High yield, quality silage
Dyna-Gro	V 56YR82 (RR/CB)	Y	116	RR	Bt	R	High yield, tall silage
FFR	746 RR2/Bt	Y	114	RR2	Bt	R	Stress tolerant, flex, best under high population
Fielder's Choice	EXP893B	Y	115	---	YGCB	E	---
Fielder's Choice	EXP866S	Y	116	RR	Bt	E	---
Fielder's Choice	NG6834 (VT3)	Y	114	RR	CB/RW	R	---
Fielder's Choice	EXP846R	Y	114	RR	---	R	---
Garst	82R45GT	Y	116	RR	---	R	Well suited to high yield environments
NK Brand	NX7976 (CB)	Y	115	---	CB	R	Well suited to high yield environments
NK Brand	N78N-GT/CB/LL	Y	116	RR/LL	CB	R	Well suited to high yield environments
Pioneer	33M57 (HX1/LL/RR2)	Y	115	RR2/LL	HX1	R	---
Pioneer	33F85 (RR2)	Y	114	RR2	---	R	---
Steyer	4171W	W	116	---	---	R	---
Steyer	Exp 8001	Y	115	---	---	E	---

Table 32 (continued)

Steyer	Exp 8003 GT/Bt/LL	Y	115	RR/LL	YGCB	E	---
Steyer	1863W	Y	116	---	---	R	---
Terral	TV 25BR23 (RR/YGCB)	Y	115	RR	YGCB	R	Very high yield, no marginal soils
Terral	TV 25R31 (RR)	Y	115	RR	---	R	Superior yield / good ear flex
Terral	TV 26BR41 (RR/YGCB)	Y	116	RR	YGCB	E	High yield environments
Terral	TV 26BR61 (RR/YGCB)	Y	116	RR	YGCB	R	High yield environments
Terral	TV 25BR71 (RR/Bt)	Y	115	RR	YGCB	R	---
Terral	TV 26TR41 (VT3)	Y	116	RR	YGCB/RW	R	---
Terral	TV 24R83 (RR)	Y	114	RR	---	R	---
Terral	TVX 22TR86 (VT3)	Y	114	RR	YGCB/RW	E	---
Trisler Seeds	T-9J38RRCB	Y	116	RR	Bt	R	Well suited for most soils
UniSouth Genetics	80B00	Y	115	---	---	R	Grain quality, stay green
UniSouth Genetics	82C00	Y	116	---	---	R	---
UniSouth Genetics	84C45 (Bt)	Y	115	---	Bt11	R	---
Wyffels	W8681 (VT3)	Y	115	RR2	YGCB/RW	R	High yielding

Full-Season Corn Hybrid Entries		Grain		Herbicide		Released or		Comments from Companies
Brand	Hybrid	Color	Maturity	Tolerance	BT Gene	Experimental		
Augusta	A-06-02HX (LL)	Y	119	LL	HX	R	High yield, great standability, tall	
Augusta	A08-71VT3	Y	119	RR	CB/RW	R	Yield, digestibility	
Augusta	A08-18CB	Y	119	---	CB	E	Intensive management for high yield	
Augusta	A008VT3	Y	117	RR	CB/RW	R	High yield, highly digestible	
Augusta	A07-08	Y	117	---	---	R	Conventional, stress tolerant, test weight	
Belle	1844RY	Y	118	RR2	YGCB	R	High yielding	
Croplan	818VT3	Y	118	RR	CRW/Bt	R	Responds to high population, corn on corn	
Dekalb	DKC67-23 (RR2/YGCB)	Y	117	RR2	YGCB	R	---	
Dyna-Gro	58K40 (RR)	Y	117	RR2	---	R	Very good drought tolerance, silage	
Dyna-Gro	58P45 (RR/YGCB)	Y	120	RR2	YGCB	R	High yield, defensive, silage, drought tolerant	
Dyna-Gro	58K81 (RR2)	Y	117	RR2	---	R	Disease resistance, all soils, excellent agronomics	
Dyna-Gro	58P27 (RR2, YGCB)	Y	119	RR2	YGCB	R	Sandy silt soils, defensive, silage, good drought	
Dyna-Gro	V 57YR82 (RR/CB)	Y	117	RR	Bt	R	Grain quality, test weight	
FFR	835 (Bt)	Y	117	---	Bt	R	High yield, good stress tolerance	
Pioneer	31G71 (HX1/LL/RR2)	Y	119	RR2/LL	HX1	R	---	
Pioneer	31P42 (HX1/LL/RR2)	Y	119	RR2/LL	HX1	R	---	
TN Exp	TN 0506 (W)	W	120	---	---	E	---	
TN Exp	TN 0702 (W)	W	120	---	---	E	---	
TN Exp	TN 0704	Y	120	---	---	E	---	
TN Exp	TN 0801 (W)	W	Full	---	---	E	---	
TN Exp	TN 0802	Y	Full	---	---	E	---	
Wyffels	W9727 (RR/Bt)	Y	117	RR2	YGCB	R	Standability	

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

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

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

YGPL = contains genes for corn borer and rootworm resistance

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

LL = contains a gene for tolerance to glufosinate

W = white grain

CL = contains a gene for tolerance to Imidazolinone class herbicides

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

Table 33. Contact information for corn hybrid seed companies evaluated in yield tests in Tennessee during 2008

Company	Contact	Phone	Email	Web site	Address
AgriGold Hybrids		618-943-5776		www.agrigold.com	RR#1 Box 203, St. Francisville, IL 62460
AgVenture D&M	Gary Allerkamp Kenny Kingins Henry Co Coop	270-756-8783 270-293-5467 888-767-0048	ageaav@aol.com kwkingins@yahoo.com	www.agventure.com	P.O. Box 794, Elizabethtown, KY 42702 6331 St. Rd. 121 S., Murray, KY 42071 4075 US 641 S., Murray, KY 42071
Augusta Seed Corporation	Matt Rawley	540-886-6055 540-255-5902	augustaseed@aol.com		473 Tisdale Farm Ln, Stuarton, VA 24401
Belle Southern Hybrids	Lane Dill Jimmy Wray	870-579-2286 270-832-3843	lanedill@cullumseeds.com jimmywray@jwrayseeds.com	www.bellecorn.com	P.O. Box 178, Fisher, AR 72429 6497 Turner Landing Rd., LaCenter, KY 42056
Croplan Genetics/Land o Lakes	Jesse Witt Kieth Saum Darrin Holder	256-221-5932 731-610-7006 270-207-0190		www.croplangenetics.com	
Crow's Hybrid Corn Co.	Carl Gardner	731-431-6839	carl.gardner@crowshybrid.com	www.crowshybrid.com	3395 Leatherwood Rd, Williamsport, TN 38487
Dairyland Seed Co	Lanny Warren	731-234-2921	lanny.warren@charter.net	www.dairylandseed.com	208 South Thompson St., Union City, TN 38261
Monsanto (Dekalb)		800-335-2676		www.dekalb.com	
Crop Production Services (Dyna-Gro)	Brandon Sheridan Steve Johnson	901-277-3638 731-885-5121	brandon.sheridan@uap.com sjohnson@agriumretail.com	www.dynagroseed.com	57 Germantown Ct Suite 200, Cordova, TN 38018 530 N. Fifth St/ P O Box 40, Union City, TN 38281
Tennessee Farmers Coop (FFR)	Jim Payne Andy Rowsey Curtis Yates Bobby Hooper Chris Morris	901-652-0903 731-225-2032 865-567-8174 615-390-7587 615-218-7963	jpayne@ourcoop.com	www.ourcoop.com	West TN East & Middle TN
Grow Direct Inc (Fielders Choice)	Dave Haines	800-321-3177	dhaines@landecag.com	www.fielderschoicedirect.com	306 N. St., Monticello, IN 47960 7500 Olson Memorial Hwy Golden Valley, MN 55427 700 Boulevard South, Suite 302 Huntsville, AL 35802
Syngenta (NK Brand, Garst)	Jameson Wade	270-293-7943		www.nk-us.com	
Pioneer Hi-Bred Int.	Michael Hughes	800-331-2475	michael.hughes@pioneer.com	www.pioneer.com	
Steyer Seeds	Joe Steyer Tom Jones Phil Coffman	800-231-4274 270-213-0020 270-832-7362	joesteyer@yahoo.com steyerseeds@steyerseeds.com	www.steyerseeds.com	6154 N. Co. Rd. 33, Tiffin, OH 44883
University of Tennessee	Dennis West	865-974-8826	dwest3@utk.edu		3421 Joe Johnson Dr, Knoxville, TN 37996-4561
Terral Seed Inc	Larry Mullen	318-559-2840	lmullen@terralseed.com	www.terralseed.com	P O Box 826, Lake Providence, LA 71254
Trisler Seeds Inc	Derrel Wegner	270-853-2360	derrel.wegner@trisler.com	www.trisler.com	200 Sullivan Ave., Paducah, KY 42003

Table 33. Contact information for corn hybrid seed companies evaluated in yield tests in Tennessee during 2008

Company	Contact	Phone	Email	Web site	Address
Unisouth Genetics (USG)	Stacy Burwick	615-242-3397	sburwick@usgseed.com	www.usgseed.com	2640-C Nolensville Rd., Nashville, TN 37211
	Fandrich Supply	931-967-3377			Belvidere, TN
	Huffstetler Seed	731-235-2167			Greenfield, TN
	Hurt Seed	731-836-7574			Halls, TN
	Obion Grain	731-536-6251			Obion, TN
	Sellers Seed	731-538-2990			Obion, TN
Wyffels Hybrids Inc.	Scott Janes	888-786-4537	scojan@milesnmore.com	www.wyffels.com	Miles Farm Supply, P.O. Box 22879 Owensboro, KY 42304