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Corn Grain Hybrid Tests in Tennessee 2023

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This report is available as a pdf and as sortable, mobile-friendly tables at:
search.utcrops.com/corn-grains

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Scott Stewart, Center Director
Randi Dunagan, Research Associate

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Bruce Kirksey, Director

Additionally, we are grateful for the continued support and dedication of the many county extension agents and cooperators who contribute to these results (for a full list of extension agents and cooperators, see table 2).

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CORN GRAIN HYBRID TESTS IN TENNESSEE

2023

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 East TN (Knoxville), Northeast Tennessee (Greeneville), Highland Rim (Springfield), Milan (Milan) and West TN (Jackson) 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 at each location using a precision seeding planter. Trials were planted with a goal of 36,000 plants per acre for irrigated plots and 34,000 plants per acre for non-irrigated plots, although final populations varied by location (Table 1). Tests were conducted using 30-inch row spacing. The tests were fertilized with approximately 230 lbs N/a. 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, 30-ft. rows. Plots were replicated three times at each location. A randomized complete block design was used at each location to reduce the within field variation.

County Standard Tests: The County Standard Corn Tests were conducted in 25 counties in Tennessee. The number of counties varied by 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). 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: Corn grain official variety trials were planted between mid-April and mid-May at the University of Tennessee AgResearch and Education Center (REC) locations. Weather conditions were favorable for planting this year from mid-April through mid-May. Statewide corn planting was well above the five-year average until around mid-May, with 88 percent of corn planted in Tennessee. Early rain was sparse causing some stress to corn throughout the state until late-June where state-wide rain improved conditions greatly. Rain continued from July through mid-late August allowing for improved soil conditions and great agricultural progress. By late August, 75 percent of the crop was rated good to excellent. Drying conditions were welcomed during late-August and heading into harvest season. Mild and dry weather persisted throughout harvest, giving farmers high expectations with 78 percent of the crop being rated good to excellent. By mid-October, 83 percent of corn had been harvested. According to the National Agricultural Statistics Service, yield is projected to be 173 bu/ac in Tennessee increasing 43 bu/ac from 2022. Acres for grain harvest are estimated at 895,000 in Tennessee for 2023, which is up 100,000 acres from 2022.

Interpretation of Data:

The tables on the following pages have been prepared with the entries listed in order of yield performance, the highest-yielding entry being listed first. Mean separation was performed using the **Fisher's Protected LSD**

(Least Significant Difference) test. The mean trait value of any two entries being compared must differ by at least the LSD amount shown to be considered significantly different at the 5% level of probability. Tests with an LSD value of N.S. indicate there were no significant differences in entry performance within that test. To simplify interpretation, **Mean Separation Letters** have been listed next to traits evaluated across locations. Hybrids that have any letter in common are not significantly different at the 5% level of probability based on the LSD test. Hybrids with performance statistically equivalent to the top performing hybrid will have an "A" included in the list of mean separation letters next to that entry.

The **coefficient of variation (C.V.)** values are also shown at the bottom of each table. This value is a measure of the error variability found within each experiment. It is calculated as the ratio of the square root of error variance to the mean yield. 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. Thirty-three corn hybrids were evaluated in the 2023 **AgResearch and Education Center (REC)** tests in Tennessee. There were 10 hybrids in the early- (Tables 4-5), 15 hybrids in the medium- (Tables 8-9), and 8 hybrids in the full-season (Tables 12-13) tests. These hybrids represent 7 different brands (Table 17). The **County Standard (CS)** tests consisted of an early-season glyphosate resistant and Bt stacked trait test (12 hybrids at 13 locations, Table 6), a medium-season glyphosate resistant and Bt stacked trait test (15 hybrids at 25 locations, Table 10), and a full-season glyphosate resistant and Bt stacked trait test (12 hybrids at 14 locations, Table 14) for a total of 39 hybrids. Common to both the REC and CS tests were 7 early-season, 8 medium-season, and 5 full-season hybrids (Tables 7, 11, 15). Similar to the REC tests, all hybrids in the CS tests were placed in the maturity test for which they fit, regardless of other traits associated with each entry.

All 33 hybrids evaluated in REC tests were transgenic, containing genetic modification for herbicide tolerance (RR) and insect tolerance (TRE, VT2P) (see table 18 for full descriptions of abbreviated traits). All entries had glyphosate herbicide tolerance while insect tolerance was distributed between TRE and VT2P. The breakdown of traits by entry are listed below:

Herbicide Tolerance	**Number of Entries**	**Insect Tolerance**	**Number of Entries**
RR	33	TRE	12
RR **and** LL	0	VT2P	21

Irrigated vs. Non-irrigated Yields. Duplicate tests were conducted with and without irrigation at Milan and Springfield. At both locations, all irrigated tests out-yielded non-irrigated tests. Irrigated yields at Milan exceeded non-irrigated yields by 34, 20, and 23 bu/ac in the Early, Medium, and Full test, respectively. At Springfield, irrigated yields exceeded non-irrigated yields by 7, 16, and 55 bu/ac in the Early, Medium, and Full test, respectively

Table 1. Location information from University of Tennessee Institute of Agriculture (UTIA) AgResearch and Education Centers where corn hybrid tests were conducted in Tennessee in 2023.

Early Season Corn Hybrids

Location	AgResearch and Education Center	Irrigation	Planting Date	Harvest Date	Plant Population	Soil Type
Knoxville	East Tennessee	Irrigated	April 18, 2023	September 20, 2023	32,351	Shady Loam
Springfield	Highland Rim	Non-Irrigated	April 17, 2023	September 22, 2023	31,083	Dickson Silt Loam
Greeneville	Northeast Tennessee	Non-Irrigated	May 11, 2023	October 5, 2023	48,441	Holston Loam
Milan	Milan	Non-Irrigated	April 11, 2023	September 19, 2023	not evaluated	Grenada
Memphis	Agricenter International	Irrigated	April 26, 2023	October 20, 2023	not evaluated	Falaya

Medium Season Corn Hybrids

Location	AgResearch and Education Center	Irrigation	Planting Date	Harvest Date	Plant Population	Soil Type
Knoxville	East Tennessee	Irrigated	April 18, 2023	September 20, 2023	33,248	Shady Loam
Springfield	Highland Rim	Non-Irrigated	April 17, 2023	September 22, 2023	32,899	Dickson Silt Loam
Greeneville	Northeast Tennessee	Non-Irrigated	May 11, 2023	October 5, 2023	48,169	Holston Loam
Milan	Milan	Non-Irrigated	April 11, 2023	September 22, 2023	not evaluated	Grenada
Memphis	Agricenter International	Irrigated	April 26, 2023	October 20, 2023	not evaluated	Falaya

Full Season Corn Hybrids

Location	AgResearch and Education Center	Irrigation	Planting Date	Harvest Date	Plant Population	Soil Type
Knoxville	East Tennessee	Irrigated	April 18, 2023	September 20, 2023	31,412	Shady Loam
Springfield	Highland Rim	Irrigated	April 17, 2023	September 21, 2023	35,734	Sango Silt Loam
Springfield	Highland Rim	Non-Irrigated	April 17, 2023	September 22, 2023	31,267	Dickson Silt Loam
Spring Hill	Middle Tennessee	Non-Irrigated	April 24, 2023	October 3, 2023	29,101	Maury Silt Loam
Greeneville	Northeast Tennessee	Non-Irrigated	May 11, 2023	October 5, 2023	48,180	Holston Loam
Milan	Milan	Irrigated	April 11, 2023	September 26, 2023	not evaluated	Loring
Milan	Milan	Non-Irrigated	April 11, 2023	September 26, 2023	not evaluated	Grenada
Jackson	West Tennessee	Irrigated	April 11, 2023	September 23, 2023	38,635	Dexter

Table 2. Location information for corn hybrid County Standard Trials conducted in Tennessee in 2023.

Early Corn Hybrid Test (RR & Stacked)

County	Cooperator	Agent	Planting Date
Carroll	Jeremy Morris	Kenny Herndon	May 19, 2023
Crockett	Steve Bailey	Daniel Wiggins	April 17, 2023
Dyer	Terrell Davis	Brandon Riles	May 3, 2023
Fayette	Mark McNabb	Jeff Via	April 18, 2023
Gibson	Denton Parkins	Jake Mallard	April 13, 2023
Hardeman	Rob Pinner	Clint Plunk	April 18, 2023
Henry	Brannon Farms	Ranson Goodman	April 12, 2023
Henry	Tosh Farms	Ranson Goodman	April 19, 2023
Loudon	David Richesin	John Goddard	May 5, 2023
Macon	Nathan Jenkins	Keith Allen	May 3, 2023
Maury	James Harlan	Amanda Mathenia	May 4, 2023
Madison	Brian Taylor	Hunter Goodman	April 20, 2023
Montgomery	Terry Adams	Logan Lewis	April 14, 2023
Weakley	David & Andy Oliver	Bronson Bass	April 18, 2023
WTREC	Andrew Wood	Matt Davis	April 6, 2023

Medium Season Corn Hybrid Test (RR & Stacked)

County	Cooperator	Agent	Planting Date
Bradley	Mike Voelker	David Bilderback	April 13, 2023
Bradley	John Moore	David Bilderback	April 18, 2023
Carroll	Jeremy Morris	Kenny Herndon	May 19, 2023
Crockett	Adam Young	Daniel Wiggins	April 14, 2023
Decatur	Joe Lee Johnson	Cheyenne Rushing	May 30, 2023
Dyer	Terrell Davis	Brandon Riles	May 3, 2023
Franklin	John Ferrell/Matt Deist	Brian Stewart	April 25, 2023
Franklin	John Ferrell/Matt Deist	Lon Partin	May 1, 2023
Gibson	Denton Parkins	Jake Mallard	April 13, 2023
Giles	Pat Sulcer	Kevin Rose	May 1, 2023
Hardeman	Rob Pinner	Clint Plunk	April 18, 2023
Haywood	Robert Allen King	Lindsay Stephenson	April 18, 2023
Henry	Brannon Farms	Ranson Goodman	April 12, 2023
Henry	Tosh Farms	Ranson Goodman	April 19, 2023
Hickman	Tim Johnston	Amanda Mathenia	May 4, 2023
Jefferson	J. Moser	Ryan Brown	April 17, 2023
Lauderdale	Steve Floyd	JC Dupree	May 13, 2023
Loudon	David Richesin	John Goddard	May 5, 2023
Loudon	Josh Watson	John Goddard	April 21, 2023
Madison	Matt & Kelly Griggs	Hunter Goodman	May 5, 2023
Meigs	Swanks Farm	David Bilderback	April 17, 2023
Meigs	Carmichael Dairy	David Bilderback	April 16, 2023
Obion	Bill Thompson	Bob Shumake	May 2, 2023
Tipton	Tolbert Farms	Becky Muller	May 4, 2023
Warren	Austin Barry	Heath Nokes	March 30, 2023

Full Season Corn Hybrid Test (RR & Stacked)

County	Cooperator	Agent	Planting Date
Bradley	John Moore	David Bilderback	April 18, 2023
Carroll	Jeremy Morris	Kenny Herndon	May 19, 2023
Dyer	Terrell Davis	Brandon Riles	May 3, 2023
Gibson	Denton Parkins	Jake Mallard	April 13, 2023
Hardeman	Rob Pinner	Clint Plunk	April 18, 2023
Henry	Brannon Farms	Ranson Goodman	April 12, 2023
Henry	Tosh Farms	Ranson Goodman	April 19, 2023
Lauderdale	Steve Floyd	JC Dupree	May 13, 2023
Loudon	David Richesin	John Goddard	May 5, 2023
Loudon	Josh Watson	John Goddard	April 21, 2023
Madison	Brian Taylor	Hunter Goodman	April 20, 2023
Meigs	Carmichael Dairy	David Bilderback	April 16, 2023
Obion	Elwin & Ethan Tanner	Bob Shumake	April 11, 2023
Weakley	David & Andy Oliver	Bronson Bass	April 18, 2023
WTREC	Andrew Wood	Matt Davis	April 6, 2023

Table 3. Average yields of hybrids that were in the "A group" (not statistically different from the highest performing variety) in AgResearch and Education Center (REC) tests, County Standard Tests (CST), or both trial programs in 2023. Varieties are sorted by A group" ranking in both REC and CST trials, number of consecutive years in "A group", "then percent of locations with above average yield.

		REC			CST		
Hybrid	Trial	REC Yield[§]	Consecutive Years in A Group[‡]	Locs. with above avg. yield	CST Yield[§]	Consecutive Years in A Group[‡]	Locs. with above avg. yield
Revere 1307	Early	222	1	89%	210	3	69%
Progeny 2010	Early	213	1	67%	210	1	54%
Dyna-Gro 53TC23	Early	210	1	44%	211	1	62%
Revere 1398	Early	204	0	44%	209	4	54%
Croplan 5208	Early				212	1	77%
LG 63C82	Early				216	1	77%
Pioneer P1170	Early				216	1	54%
Revere 0918	Early	209	0	67%	209	1	38%
Dekalb 62-70	Early	195	0	22%	213	1	62%
DeKalb 65-95	Med	225	4	78%	216	3	60%
Revere 1627	Med	227	2	89%	222	1	88%
DeKalb 66-06	Med	233	1	89%	215	1	64%
AgriGold 645-16	Med				220	3	76%
LG 66C44	Med				216	3	56%
Dyna-Gro 55VC80	Med				222	2	64%
Progeny 2314	Med	228	1	89%			
DeKalb 68-35	Full	239	1	88%	220	1	79%
Progeny 2118	Full	218	0	25%	215	3	43%
DeKalb 69-99	Full				214	2	64%
Revere 1839	Full	243	1	100%			
DeKalb 70-45	Full	226	0	50%	221	1	93%
Dyna-Gro 57TC29	Full				218	1	71%
Croplan 5893	Full				214	1	64%
Pioneer P1718	Full				210	1	50%
Progeny 9117	Full	219	0	13%	210	1	50%

§ All yields are adjusted to 15.5% moisture.

Table 4-a. Mean yield and agronomic traits of 10 early-season (<114 DAP) corn hybrids evaluated in small plot replicated trials at nine AgResearch and Education Center locations in Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Revere 1307	RR	TRE	222 A	192 A	204 A	16.0 EF	16.2 B	16.1 B	96 C	92 B	96 B	41 CD	39 C	41 B	0	1	1
Progeny 2010	RR	TRE	213 AB			16.0 EF			98 BC			39 F			0		
Dyna-Gro D53TC23	RR	TRE	210 A-C	187 A		16.2 DE	16.2 B		97 C	93 AB		43 A-C	40 BC		0	0	
Revere 0918	RR	VT2P	209 BC	186 A		15.5 G	16.0 B		97 C	92 B		43 AB	40 BC		0	0	
Dyna-Gro D53VC54	RR	VT2P	206 B-D			16.9 B			100 AB			41 CD			0		
Innvictis A1292	RR	VT2P	204 B-D			16.1 D-F			97 C			39 EF			0		
Revere 1398	RR	VT2P	204 B-D	180 A	190 B	16.7 BC	16.8 A	16.8 A	98 BC	95 A	99 A	45 A	42 A	43 A	0	1	0
Dyna-Gro D50VC09	RR	VT2P	202 B-D	191 A	201 A	15.8 FG	16.2 B	16.1 B	98 BC	95 A	98 A	43 BC	41 AB	42 B	0	1	0
1st Choice Seeds RC 8420	RR	VT2P	198 CD			17.4 A			101 A			43 AB			0		
Dekalb DKC62-70	RR	VT2P	195 D	182 A	191 B	16.4 CD	16.7 A	16.9 A	99 BC	93 AB	98 AB	41 DE	40 C	40 B	0	0	0
Average			206	186	196	16.3	16.3	16.5	98	93	98	42	40	42	0	1	0
Standard Error			9	23	20	1.1	0.6	0.7	3	5	5	1	2	2	0	0	0
L.S.D.$_{.05}$			12	N.S.	8	0.4	0.4	0.3	2	2	2	2	2	1	.	.	.
C.V.			11	14	12	5	6	6	4	5	5	7	8	8	.	.	.
Number of locs.			9	9	9	9	9	9	6	6	6	6	6	6	8	8	8
Plots per entry (reps x locs. x years)			27	54	81	27	54	81	18	36	54	18	36	54	24	48	72

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
‖ Protein, Oil, and Starch on a dry weight basis.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table 4-b. Mean yield and quality of 10 early-season (<114 DAP) corn hybrids evaluated in small plot replicated trials at nine AgResearch and Education Center locations in Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Test Weight (lbs/bu)			Protein‖ (%)			Oil‖ (%)			Starch‖ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Revere 1307	RR	TRE	222 A	192 A	204 A	54.5 A	54.5 A	55.9 A	8.5 AB	8.2 A	8.4 A	3.5 A	3.5 B	3.5 B	73.5 A	73.3 A	73.3 A
Progeny 2010	RR	TRE	213 AB			56.5 A			8.0 CD			3.6 A			72.4 A		
Dyna-Gro D53TC23	RR	TRE	210 A-C	187 A		56.9 A	55.6 A		8.5 A-C	8.2 A		3.6 A	3.6 AB		73.1 A	73.0 A	
Revere 0918	RR	VT2P	209 BC	186 A		54.4 A	53.7 A		8.0 CD	7.9 A		3.8 A	3.7 A		73.4 A	73.4 A	
Dyna-Gro D53VC54	RR	VT2P	206 B-D			52.8 A			8.4 A-C			3.6 A			72.9 A		
Innvictis A1292	RR	VT2P	204 B-D			55.3 A			8.5 A-C			3.6 A			73.1 A		
Revere 1398	RR	VT2P	204 B-D	180 A	190 B	56.5 A	52.7 A	54.6 A	8.1 B-D	8.0 A	8.4 A	3.6 A	3.6 AB	3.7 A	73.2 A	73.5 A	73.1 A
Dyna-Gro D50VC09	RR	VT2P	202 B-D	191 A	201 A	54.5 A	53.5 A	54.4 A	7.8 D	7.9 A	8.2 A	3.7 A	3.7 A	3.7 A	74.1 A	73.4 A	73.3 A
1st Choice Seeds RC 8420	RR	VT2P	198 CD			56.5 A			8.8 A			3.7 A			73.0 A		
Dekalb DKC62-70	RR	VT2P	195 D	182 A	191 B	57.8 A	57.5 A	57.4 A	8.2 B-D	7.9 A	8.3 A	3.7 A	3.7 A	3.7 A	72.9 A	72.5 A	72.4 B
Average			206	186	196	55.6	54.6	55.6	8.3	8.0	8.3	3.6	3.6	3.6	73.1	73.2	73.0
Standard Error			9	23	20	1.4	1.5	1.2	0.2	0.2	0.4	0.1	0.0	0.0	0.4	0.3	0.3
L.S.D.$_{.05}$			12	N.S.	8	N.S.	N.S.	N.S.	0.5	N.S.	N.S.	N.S.	0.1	0.1	N.S.	N.S.	0.6
C.V.			11	14	12	5.9	6.5	6.0	3.2	3.5	3.7	3.1	3.2	2.8	0.8	0.9	0.8
Number of locs.			9	8	8	2	1	1	1	1	1	1	1	1	1	1	1
Plots per entry (reps x locs. x years)			27	48	72	6	6	9	3	6	9	3	6	9	3	6	9

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
‖ Protein, Oil, and Starch on a dry weight basis.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table 5. Mean yields across and by location of 10 early-season (<114 DAP) corn hybrids evaluated in replicated small plot trials at nine AgResearch and Education Center locations in Tennessee during 2023. Analysis included hybrid performance across a 1 yr (2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/acre)	Knoxville Irr. (bu/acre)	Greeneville Non-Irr. (bu/acre)	Springfield Irr. (bu/acre)	Springfield Non-Irr. (bu/acre)	Spring Hill Non-Irr. (bu/acre)	Milan Irr. (bu/acre)	Milan Non-Irr. (bu/acre)	Jackson Irr. (bu/acre)	Memphis Irr. (bu/acre)
Revere 1307	RR	TRE	222 A	247 A	259 AB	227 A	231 AB	154 A	248 A	203 A	224 A	200 A
Progeny 2010	RR	TRE	213 AB	228 A	233 B-E	225 A	221 BC	160 A	243 A	203 A	206 A	190 AB
Dyna-Gro D53TC23	RR	TRE	210 A-C	193 A	275 A	223 A	238 A	200 A	213 A	185 A-C	209 A	154 D
Revere 0918	RR	VT2P	209 BC	233 A	242 B-D	239 A	196 E	164 A	215 A	194 AB	214 A	184 A-C
Dyna-Gro D53VC54	RR	VT2P	206 B-D	229 A	241 B-D	222 A	197 DE	159 A	229 A	196 AB	222 A	154 D
Innvictis A1292	RR	VT2P	204 B-D	224 A	214 DE	204 A	203 DE	182 A	217 A	200 A	213 A	163 CD
Revere 1398	RR	VT2P	204 B-D	226 A	236 B-E	239 A	199 DE	187 A	224 A	176 BC	199 A	154 D
Dyna-Gro D50VC09	RR	VT2P	202 B-D	210 A	209 E	221 A	212 CD	213 A	232 A	167 C	226 A	155 D
1st Choice Seeds RC 8420	RR	VT2P	198 CD	209 A	246 A-C	184 A	199 DE	173 A	209 A	182 A-C	211 A	168 B-D
Dekalb DKC62-70	RR	VT2P	195 D	192 A	223 C-E	185 A	205 C-E	183 A	194 A	168 C	203 A	184 A-C
Average			**206**	**219**	**238**	**217**	**210**	**177**	**222**	**188**	**213**	**171** 0
Standard Error			**9**	**16**	**10**	**23**	**8**	**17**	**18**	**9**	**7**	**9** 0
L.S.D.$_{.05}$			**12**	**N.S.**	**30**	**N.S.**	**15**	**N.S.**	**N.S.**	**21**	**N.S.**	**26** 0
C.V.			**11**	**12**	**7**	**18**	**4**	**16**	**9**	**7**	**5**	**9** 0

† Hybrids that have any MS letter in common are not significantly different in yield at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table 6. Yields of 12 early-season (<114 DAP) Roundup / stacked corn hybrids in 13 County Standard Tests in Tennessee during 20223

MS† Avg. Yield	Hybrid	Avg. Yield	Avg. Moisture	Avg. Test Weight	Crockett	Dyer	Fayette	Gibson	Hardeman	HenryB	HenryT	Loudon	Macon	Maury	Montgomery	Weakley	WTREC
		bu/acre	%	lbs/bu	4/17	5/3	4/18	4/13	4/18	4/12	4/19	5/5	5/3	5/4	4/14	4/18	4/6
A	Pioneer P1170 YHR	216	14.1	60.4	191	205	**187**	207	171	246	211	211	**235**	247	190	234	**275**
AB	LG 63C82 DGVT2	216	14.1	60.5	208	202	153	196	177	258	**236**	237	214	259	201	216	251
ABC	Dekalb 62-70 VT2P	213	14.2	61.3	204	195	172	**213**	155	261	199	217	204	243	**210**	233	266
ABCD	Croplan 5208	212	14.3	60.6	202	198	174	147	167	258	218	229	226	253	199'	218	260
ABCD	Dyna-Gro 53TC23	211	14.1	59.9	**209**	195	150	197	177	245	209	227	207	248	194	**239**	249'
ABCD	Revere 1307 TC**	210	14.3	59.9	204	200	149	178	175	232	213	235	220	252	201	228	248
ABCD	Progeny 2010 TRE	210	13.8	58.8	177	**210**	174	172	175	241	199	**237**	209	253	202	238	243
ABCD	Revere 1398 VT2P***	209	14.5	60.2	190	192'	121	186'	163	254	222	220	216	265	205	228	257
ABCD	Revere 0918 VT2P	209	13.8	59.3	206	172	170	205	170	**262**	200	235	208	245	182	227	236
BCD	Dyna-Gro 50VC09	206	14.3	58.5	195'	195	181	188	168	230	193	213	216	251	197	222	230
CD	AgriGold 643-52 VT2PRO	204	14.9	59.5	206	160	138	173	171	254	195	221	207	**266**	202	221	240
D	NK 1082 DV	202	13.9	58.6	192	191	167	178	**180**	246	162	226	213	241	183	229	225
	Average	210	14	60	199	193	161	187	171	249	205	226	215	252	197	228	248

Data Provided by Ryan Blair, Ext. Area Specialist, Grain and Cotton Variety Testing, and Extension agents in counties shown above.
† Hybrids that have any MS letter in common are not significantly different in yield at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
All yields are adjusted to 15.5% moisture.
Highlighted cells indicate hybrids that were above average and bold/underline values indicate the top yield, within a location.
' indicates missing plot calculated by using averages across plots and location. (missin plot / hybrid average across all plots) x location average

Table 7. Overall average yields, moistures, and test weights of 7 early-season corn hybrids evaluated in both the County Standard Tests and AgResearch and Education Center Tests in Tennessee during 2022.

			Avg. of CST and REC Tests				REC Tests				CST Tests			
Hybrid[†]	Herbicide Pkg[‡]	Insect Pkg.[‡]	Avg. Yield[§] (bu/*acre*)	Avg. Moisture (%)	Avg. Test Weight (lbs/bu)	"A group" in both tests	Avg. Yield[§] (bu/*acre*)	Avg. Moisture (%)	Avg. Test Weight (lbs/bu)	"A group"	Avg. Yield[§] (bu/*acre*)	Avg. Moisture (%)	Avg. Test Weight (lbs/bu)	"A group"
Dekalb 62-70	RR	VT2P	204	15.3	59.5		195	16.4	57.8		213	14.2	61.3	*
Dyna-Gro 50VC09	RR	VT2P	204	15.0	56.5		202	15.8	54.5		206	14.3	58.5	
Dyna-Gro 53TC23	RR	TRE	211	15.2	58.4	*	210	16.2	56.9	*	211	14.1	59.9	*
Progeny 2010	RR	TRE	212	14.9	57.6	*	213	16.0	56.5	*	210	13.8	58.8	*
Revere 0918	RR	VT2P	209	14.6	56.8		209	15.5	54.4		209	13.8	59.3	*
Revere 1307	RR	TRE	216	15.1	57.2	*	222	16.0	54.5	*	210	14.3	59.9	*
Revere 1398	RR	VT2P	207	15.6	58.3		204	16.7	56.5		209	14.5	60.2	*
			209	**15.1**	**57.8**		**208**	**16.1**	**55.9**		**210**	**14.1**	**59.7**	

‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.

Table 8-a. Mean yield and agronomic traits of 15 medium-season (114-116 DAP) corn hybrids evaluated in small plot replicated trials at nine AgResearch and Education Center locations in Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Dekalb DKC66-06	RR	TRE	233 A			17.9 A-C			104 AB			44 AB			0		
Progeny 2314	RR	TRE	228 AB			18.1 AB			103 BC			43 A-C			1		
Revere 1627*	RR	TRE	227 A-C	194 A		18.1 A	17.9 A		102 B-D	95 A-C		43 B-D	40 AB		0	0	
Dekalb DKC65-95***	RR	VT2P	225 A-D	191 AB	196 A	17.7 B-E	17.7 A-C	17.4 A	100 CD	94 C	96 A	43 A-C	40 A-C	41 A	0	0	0
Innvictis A1462	RR	VT2P	218 B-E	190 AB		17.8 A-D	17.6 A-C		101 CD	95 A-C		45 A	41 A		0	0	
Progeny 9114	RR	VT2P	218 B-E	187 AB	193 A	17.3 E-G	17.3 C	16.9 B	99 DE	93 C	94 AB	41 D-F	38 CD	38 B	0	0	0
Innvictis A1689	RR	TRE	217 B-E			17.7 B-E			102 B-D			44 AB			0		
Dekalb DKC65-99	RR	TRE	216 C-E	188 AB	192 A	17.4 D-G	17.4 BC	17.2 AB	94 F	90 D	93 B	40 EF	38 D	39 B	0	0	0
LG 64C43	RR	VT2P	216 DE			17.6 C-F			100 CD			40 F			0		
Progeny 2215	RR	TRE	215 DE	183 B		18.2 A	17.9 A		106 A	97 AB		43 A-C	41 AB		0	0	
Innvictis A1542	RR	TRE	215 DE			17.4 D-G			100 CD			42 C-F			0		
Innvictis A1551	RR	VT2P	214 DE	186 AB		17.2 FG	17.4 C		100 CD	94 BC		41 D-F	39 B-D		0	0	
Revere 1577	RR	VT2P	211 E			17.1 G			97 EF			40 F			0		
Dyna-Gro D56TC44	RR	TRE	211 E			17.6 C-F			100 CD			42 B-E			0		
LG 66C06	RR	VT2P	209 E	184 B		18.1 A	17.8 AB		106 A	97 A		44 A-C	41 AB		0	1	
Average			218	188	194	17.7	17.6	17.2	101	94	94	42	40	39	0	0	0
Standard Error			11	32	24	1.1	0.8	0.7	3	7	6	1	3	3	0	0	0
L.S.D.$_{.05}$			12	N.S.	N.S.	0.4	0.4	0.3	3	3	2	2	2	1	.	.	.
C.V.			10	12	10	4.4	5.5	5.0	4	6	6	8	9	9	.	.	.
Number of locs.			9	9	9	9	9	9	6	6	6	6	6	6	8	8	8
Plots per entry (reps x locs. x years)			27	54	81	27	54	81	18	36	54	18	36	54	24	48	72

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table 8-b. Mean yield and quality traits of 15 medium-season (114-116 DAP) corn hybrids evaluated in small plot replicated trials at nine AgResearch and Education Center locations in Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Test Weight (lbs/bu)			Protein‖ (%)			Oil‖ (%)			Starch‖ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Dekalb DKC66-06	RR	TRE	233 A			57.5 A-C			8.1 E-G			3.5 E			73.6 A-C		
Progeny 2314	RR	TRE	228 AB			58.9 AB			8.7 B-D			3.8 B			72.7 D-F		
Revere 1627*	RR	TRE	227 A-C	194 A		57.6 A-C	56.2 A		8.9 BC	8.7 AB		3.8 BC	3.7 A		72.4 E-G	72.2 B	
Dekalb DKC65-95***	RR	VT2P	225 A-D	191 AB	196 A	56.9 BC	55.1 A	55.9 A	9.2 AB	8.6 AB	8.8 A	3.8 B	3.7 A	3.7 A	72.2 FG	72.6 AB	72.3 B
Innvictis A1462	RR	VT2P	218 B-E	190 AB		57.0 A-C	55.7 A		8.8 BC	8.6 AB		3.7 B-D	3.8 A		73.1 A-D	72.6 AB	
Progeny 9114	RR	VT2P	218 B-E	187 AB	193 A	57.5 A-C	55.9 A	55.8 A	7.8 FG	8.1 AB	8.2 B	3.7 BC	3.7 A	3.7 A	73.6 AB	73.1 A	73.0 A
Innvictis A1689	RR	TRE	217 B-E			58.2 AB			9.5 A			3.7 BC			71.5 H		
Dekalb DKC65-99	RR	TRE	216 C-E	188 AB	192 A	57.0 BC	56.0 A	56.6 A	8.7 BC	8.2 AB	8.7 AB	3.8 AB	3.7 A	3.8 A	72.9 C-F	73.1 A	72.6 AB
LG 64C43	RR	VT2P	216 DE			55.6 C			7.6 G			3.6 C-E			73.2 A-D		
Progeny 2215	RR	TRE	215 DE	183 B		57.2 A-C	56.0 A		9.5 A	8.7 A		3.7 BC	3.7 A		71.8 GH	72.1 B	
Innvictis A1542	RR	TRE	215 DE			59.1 A			7.9 FG			3.9 A			73.7 A		
Innvictis A1551	RR	VT2P	214 DE	186 AB		57.0 BC	55.3 A		8.5 C-E	8.6 AB		3.7 BC	3.6 A		72.8 D-F	72.7 AB	
Revere 1577	RR	VT2P	211 E			58.8 AB			7.9 FG			3.7 BC			73.0 B-E		
Dyna-Gro D56TC44	RR	TRE	211 E			58.8 AB			7.9 FG			3.8 B			73.7 A		
LG 66C06	RR	VT2P	209 E	184 B		55.7 C	54.8 A		8.2 D-F	8.1 B		3.5 DE	3.7 A		73.4 A-D	73.3 A	
Average			218	188	194	57.5	55.6	56.1	8.5	8.5	8.6	3.7	3.7	3.7	72.9	72.7	72.6
Standard Error			11	32	24	1.2	1.9	1.3	0.2	0.3	0.3	0.1	0.1	0.1	0.2	0.2	0.3
L.S.D.$_{.05}$			12	N.S.	N.S.	2.1	N.S.	N.S.	0.5	N.S.	N.S.	0.1	N.S.	N.S.	0.7	0.7	N.S.
C.V.			10	12	10	3.2	3.3	3.6	3.7	6.4	6.4	2.3	3.8	2.7	0.6	0.8	0.8
Number of locs.			9	9	9	2	1	1	1	1	1	1	1	1	1	1	1
Plots per entry (reps x locs. x years)			27	54	81	6	6	9	3	6	9	3	6	9	3	6	9

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
‖ Protein, Oil, and Starch on a dry weight basis.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table 9. Mean yields across and by location of 15 medium-season (114-116 DAP) corn hybrids evaluated in replicated small plot trials at nine AgResearch and Education Center locations in Tennessee during 2023. Analysis included hybrid performance across a 1 yr (2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/acre)	Knoxville Irr. (bu/acre)	Greeneville Non-Irr. (bu/acre)	Springfield Irr. (bu/acre)	Springfield Non-Irr. (bu/acre)	Spring Hill Non-Irr. (bu/acre)	Milan Irr. (bu/acre)	Milan Non-Irr. (bu/acre)	Jackson Irr. (bu/acre)	Memphis Irr. (bu/acre)
Dekalb DKC66-06	RR	TRE	233 A	270 A	306 A	245 A	221 A	192 A	239 A	208 A	225 A	184 A
Progeny 2314	RR	TRE	228 AB	261 AB	283 A	226 A	225 A	186 A	240 A	207 A	222 A	205 A
Revere 1627*	RR	TRE	227 A-C	246 A-C	301 A	236 A	218 A	202 A	221 A-C	210 A	225 A	185 A
Dekalb DKC65-95***	RR	VT2P	225 A-D	239 BC	296 A	229 A	220 A	196 A	226 A-C	213 A	226 A	177 A
Innvictis A1462	RR	VT2P	218 B-E	241 A-C	275 A	239 A	199 A	197 A	243 A	187 A	215 A	168 A
Progeny 9114	RR	VT2P	218 B-E	234 B-D	267 A	226 A	213 A	191 A	214 A-E	209 A	213 A	193 A
Innvictis A1689	RR	TRE	217 B-E	250 A-C	284 A	251 A	212 A	157 A	195 C-E	193 A	221 A	192 A
Dekalb DKC65-99	RR	TRE	216 C-E	261 AB	282 A	207 A	220 A	198 A	198 B-E	191 A	202 A	183 A
LG 64C43	RR	VT2P	216 DE	254 A-C	268 A	226 A	218 A	165 A	225 A-C	176 A	210 A	198 A
Progeny 2215	RR	TRE	215 DE	247 A-C	299 A	239 A	202 A	166 A	234 AB	167 A	217 A	161 A
Innvictis A1542	RR	TRE	215 DE	243 A-C	264 A	230 A	216 A	180 A	180 E	193 A	217 A	212 A
Innvictis A1551	RR	VT2P	214 DE	231 CD	289 A	215 A	208 A	163 A	217 A-D	207 A	199 A	202 A
Revere 1577	RR	VT2P	211 E	207 D	272 A	242 A	218 A	163 A	209 A-E	207 A	213 A	172 A
Dyna-Gro D56TC44	RR	TRE	211 E	246 A-C	240 A	211 A	214 A	194 A	181 DE	202 A	216 A	195 A
LG 66C06	RR	VT2P	209 E	227 CD	261 A	206 A	186 A	193 A	222 A-C	171 A	217 A	201 A
Average			**218**	**244**	**279**	**229**	**213**	**183**	**216**	**196**	**216**	**189**
Standard Error			**11**	**11**	**13**	**17**	**8**	**15**	**13**	**17**	**6**	**11**
L.S.D.$_{.05}$			**12**	**30**	**N.S.**	**N.S.**	**N.S.**	**N.S.**	**36**	**N.S.**	**N.S.**	**N.S.**
C.V.			**10**	**7**	**8**	**11**	**7**	**14**	**10**	**11**	**5**	**10**

† Hybrids that have any MS letter in common are not significantly different in yield at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table 10. Yields of 16 medium-season (114-116 DAP) Roundup / stacked corn hybrids in 25 County Standard Tests in Tennessee in 2023.

MS† Avg. Yield	Hybrid	Avg. Yield	Avg. Moisture	Avg. Test Weight	Bradley	BradleyM	Carroll	Crockett	Decatur	Dyer	Franklin	FranklinP	Gibson	Giles	Hardeman	Haywood	HenryB	HenryT	Hickman	Jefferson	Lauderdale	Loudon	LoudonW	Madison	Meigs	MeigsCD	Obion	Tipton	Warren
		bu/acre	%	lbs/bu	13-Apr	18-Apr	19-May	14-Apr	30-May	3-May	25-Apr	1-May	13-Apr	1-May	18-Apr	17-Apr	12-Apr	19-Apr	4-May	17-Apr	13-May	5-May	21-Apr	5-May	17-Apr	16-Apr	2-May	4-May	30-Mar
A	Revere 1627 TC	222	14.7	60.7	183	277	161	257	150'	216	233	220	192	226	143	227	258	229	205'	284	173	251	222	253	269	267	253	193	208
A	Dyna-Gro 55VC80*	222	14.9	60.2	223	254	161	258	150'	209	228	221	202	247	146	242	263	211	196	293	178	239	201	231	246	256	236	196	252
AB	AgriGold 645-16 VT2PRO**	220	15.1	59.9	239	238	164	232	146'	209	234	219	188	233	182	230	271	203	220	299	176	246	212	230	259	258	227	140	228
ABC	DeKalb 65-95 VT2P**	216	14.8	61.0	217	233	152	206	145	214	236	213	176	240	156	232'	264	233	243	271	160	243	197	232	252	258	225	199	209
ABC	LG 66C44 VT2P**	216	15.0	59.8	178	265	152	217	131	206	227	206	201	231	168	230	268	202	211	275	176	239	205	220	254	272	238	185	241
ABCD	DeKalb 66-06 TRE	215	15.1	60.5	179	276	148	229	150	217	241	216	193	244	162	246	261	212	224	286	151	252	219	228	266	259	245	128	150
BCDE	DeKalb 65-99 TRE	213	14.7	60.1	162	258	143	266	162	207	223	204	155	228	186	215	253	218	194	286	151	250	230	236	258	262	231	151	203
BCDE	Dyna-Gro 54VC34	212	14.6	60.3	195	258	138	223	159	206	234	229	154	224	164	228	262	220	201	274	149	247	192	232	243	253	240	187	199
BCDE	Revere 1577 VT2P	212	14.5	60.8	165	260	156	206	148	207	231	205	203	238	174	224	249	234	166	273	170	227	219	213	252	263	216	188	202
CDE	Progeny 9114 VT2P	210	14.4	61.4	214	261	138	224	141	214	224	205	193	197	168	228	252	204	181	270	162	230	192	225	240	261	220	186	221
CDE	Progeny 2215 TRE	210	15.0	60.0	175	258	155	253	142	214	229	208	183	211	132	246	250	204	226	276	157	245	179	224	242	279	226	187	146
CDE	Dyna-Gro 54VC14	208	14.4	60.6	147	258	148	229	142'	199	226	205	191	215	164	226	253	200	167	272	135	233	232	210	242	269	215	211	202
DE	Croplan 5550	207	14.4	59.9	127	255	155	234	138	207	220	218	190	243	156	221	262	199	154	279	151	229	211	226	242	265	242	179	179
DE	Dyna-Gro 56TC44	207	14.7	60.6	157	261	147'	205	148	216	212	256	187	200	154	218	240	198	175	274	170	241	198	220	255	271	221	184	176
E	Pioneer P1608 YHR	205	15.2	61.2	176	257	145'	209	135	219	216	226	144	233	141	220	251	222	192	263	135	233	187	229	229	239	222	197	198
	Average	213	14.8	60.5	182	258	152	230	145	211	225	217	188	227	160	229	257	213	195	278	160	240	206	227	250	268	231	181	201

‡ Data Provided by Ryan Blair, Ext. Area Specialist, Grain and Cotton Variety Testing, and Extension agents in counties shown above.
† Hybrids that have any MS letter in common are not significantly different in yield at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
§ All yields are adjusted to 15.5% moisture.
Highlighted cells indicate hybrids that were above average and bold\underline values indicate the top yield, within a location.
County locations include: Bradley (2 locs), Carroll, Crockett, Decatur, Gibson, Giles, Hardeman, Haywood, Henry (2 locs), Jefferson, Loudon, Madison, Obion, and Weakley.
' indicates missing plot calculated by using averages across plots and location. (missin plot / hybrid average across all plots) x location average

Table 11. Overall average yields, moistures, and test weights of 8 medium-season (114-116 DAP) corn hybrids evaluated in both the County Standard Tests and AgResearch and Education Center Tests in Tennessee during 2022.

			Avg. of CST and REC Tests				REC Tests				CST Tests			
Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/*acre*)	Avg. Moisture (%)	Avg. Test Weight (lbs/bu)	"A group" in both tests	Avg. Yield§ (bu/*acre*)	Avg. Moisture (%)	Avg. Test Weight (lbs/bu)	"A group"	Avg. Yield§ (bu/*acre*)	Avg. Moisture (%)	Avg. Test Weight (lbs/bu)	"A group"
DeKalb 65-95	RR	VT2P	221	16.2	59.0	*	225	17.7	56.9	*	216	14.8	61.0	*
DeKalb 65-99	RR	TRE	215	16.1	58.6		216	17.4	57.0		213	14.7	60.1	
DeKalb 66-06	RR	TRE	224	16.5	59.0	*	233	17.9	57.5	*	215	15.1	60.5	*
Dyna-Gro 56TC44	RR	TRE	209	16.1	59.7		211	17.6	58.8		207	14.7	60.6	
Progeny 2215	RR	TRE	213	16.6	58.6		215	18.2	57.2		210	15.0	60.0	
Progeny 9114	RR	VT2P	214	15.8	59.5		218	17.3	57.5		210	14.4	61.4	
Revere 1577	RR	VT2P	212	15.8	59.8		211	17.1	58.8		212	14.5	60.8	
Revere 1627	RR	TRE	225	16.4	59.1	*	227	18.1	57.6	*	222	14.7	60.7	*
Average			**216**	**16.2**	**59.2**		**219**	**17.7**	**57.7**		**213**	**14.7**	**60.6**	

‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.

Table 12-a. Mean yield and agronomic traits of eight full-season (>116 DAP) corn hybrids evaluated in small plot replicated trials at eight AgResearch and Education Center locations in Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡		Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
				1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Revere 1839	RR	TRE	C23012	243 A			19.2 B			109 A			49 A			0		
Dekalb DKC68-35	RR	VT2P	C23002	239 A			18.5 D			105 B			44 DE			1		
Dekalb DKC70-45	RR	VT2P	C23003	226 B			19.0 BC			104 BC			46 B-D			1		
LG 67C07	RR	VT2P	C22022	224 BC	190 A		18.4 D	18.2 B		100 DE	94 A		47 AB	42 A		0	1	
Progeny 9117	RR	VT2P	C18015	219 BC	191 A	199 A	18.7 CD	18.3 B	18.0 B	104 BC	96 A	99 A	42 E	40 B	41 B	0	0	0
Progeny 2118	RR	VT2P	C21015	218 BC	185 A	191 A	18.8 B-D	18.7 A	18.4 A	100 E	94 A	97 A	45 CD	41 AB	43 A	0	1	0
LG 68C18	RR	VT2P	C23009	217 BC			19.9 A			103 B-D			47 BC			0		
Dyna-Gro D57VC53	RR	VT2P	C22013	214 C	184 A		18.7 CD	18.2 B		101 C-E	95 A		46 BC	42 A		0	1	
Average				225	187	195	18.9	18.4	18.2	103	95	98	46	41	42	0	1	0
Standard Error				13	34	27	1.4	1.0	0.9	4	7	7	1	4	4	0	0	0
L.S.D.$_{.05}$				11	N.S.	N.S.	0.5	N.S.	0.4	3	N.S.	N.S.	2	2	1	.	.	.
C.V.				8	10	10	5	6	6	4	5	5	7	8	8	.	.	.
Number of locs.				8	8	8	8	8	8	6	6	6	6	6	6	6	6	6
Plots per entry (reps x locs. x years)				24	48	72	24	48	72	18	36	54	18	36	54	18	36	54

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table 12-b. Mean yield and quality traits of eight full-season (>116 DAP) corn hybrids evaluated in small plot replicated trials at eight AgResearch and Education Center locations in Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡		Avg. Yield§ (bu/ac)			Test Weight (lbs/bu)			Protein‖ (%)			Oil‖ (%)			Starch‖ (%)		
				1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Revere 1839	RR	TRE	C23012	243 A			55.4 E			8.4 C			3.8 B-D			72.4 AB		
Dekalb DKC68-35	RR	VT2P	C23002	239 A			59.1 AB			8.6 BC			3.5 E			73.1 A		
Dekalb DKC70-45	RR	VT2P	C23003	226 B			58.4 BC			9.0 AB			3.7 DE			72.2 AB		
LG 67C07	RR	VT2P	C22022	224 BC	190 A		58.6 B	56.9 A		8.8 A-C	8.3 A		3.7 C-E	3.7 B		72.7 A	72.6 A	
Progeny 9117	RR	VT2P	C18015	219 BC	191 A	199 A	57.0 D	54.0 B	55.0 B	8.7 A-C	8.5 A	8.6 A	3.8 B-D	3.8 AB	3.9 A	71.3 BC	72.0 A	71.9 A
Progeny 2118	RR	VT2P	C21015	218 BC	185 A	191 A	59.6 A	55.9 AB	57.3 A	8.3 C	8.3 A	8.6 A	3.9 A-C	3.7 B	3.8 A	72.4 AB	72.5 A	72.5 A
LG 68C18	RR	VT2P	C23009	217 BC			57.7 CD			9.2 A			4.1 A			70.8 C		
Dyna-Gro D57VC53	RR	VT2P	C22013	214 C	184 A		59.6 A	57.4 A		9.1 AB	8.5 A		4.0 AB	3.9 A		72.5 AB	72.4 A	
Average				225	187	195	58.2	56.0	56.2	8.7	8.4	8.6	3.8	3.8	3.8	72.2	72.4	72.2
Standard Error				13	34	27	0.3	2.8	2.4	0.2	0.4	0.3	0.1	0.1	0.1	0.4	0.3	0.3
L.S.D.$_{.05}$				11	N.S.	N.S.	0.8	2.3	1.8	0.6	N.S.	N.S.	0.2	N.S.	N.S.	1.2	N.S.	N.S.
C.V.				8	10	10	0.8	3.4	2.7	3.8	5.2	4.9	3.1	4.0	3.8	0.9	1.2	0.8
Number of locs.				8	8	8	1	1	1	1	1	1	1	1	1	1	1	1
Plots per entry (reps x locs. x years)				24	48	72	3	6	9	3	6	9	3	6	9	3	6	9

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
‖ Protein, Oil, and Starch on a dry weight basis.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table 13. Mean yields across and by location of eight full-season (>116 DAP) corn hybrids evaluated in replicated small plot trials at eight AgResearch and Education Center locations in Tennessee during 2023. Analysis included hybrid performance across a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/acre)	Knoxville Irr. (bu/acre)	Greeneville Non-Irr. (bu/acre)	Springfield Irr. (bu/acre)	Springfield Non-Irr. (bu/acre)	Spring Hill Non-Irr. (bu/acre)	Milan Irr. (bu/acre)	Milan Non-Irr. (bu/acre)	Jackson Irr. (bu/acre)
Revere 1839	RR	TRE	243 A	265 A	317 A	255 A	208 AB	199 A	260 A	219 A	222 A
Dekalb DKC68-35	RR	VT2P	239 A	273 A	314 A	269 A	204 AB	213 A	196 C	206 AB	223 A
Dekalb DKC70-45	RR	VT2P	226 B	235 A	281 A-C	261 A	198 A-C	178 A	235 B	205 AB	219 A
LG 67C07	RR	VT2P	224 BC	259 A	287 AB	249 A	212 A	179 A	194 C	205 AB	208 AB
Progeny 9117	RR	VT2P	219 BC	245 A	280 A-C	243 A	195 BC	172 A	224 B	180 C	207 AB
Progeny 2118	RR	VT2P	218 BC	234 A	270 BC	241 A	201 A-C	179 A	230 B	187 BC	201 B
LG 68C18	RR	VT2P	217 BC	250 A	241 C	264 A	188 C	179 A	227 B	187 BC	199 B
Dyna-Gro D57VC53	RR	VT2P	214 C	247 A	284 AB	254 A	188 C	148 A	199 C	197 BC	192 B
Average			**225**	**251**	**284**	**254**	**199**	**181**	**221**	**198**	**209**
Standard Error			**13**	**13**	**14**	**9**	**5**	**12**	**8**	**7**	**6**
L.S.D.$_{.05}$			**11**	**N.S.**	**41**	**N.S.**	**15**	**N.S.**	**23**	**19**	**17**
C.V.			**8**	**9**	**8**	**6**	**4**	**11**	**6**	**5**	**5**

† Hybrids that have any MS letter in common are not significantly different in yield at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
Values highlighted in light orange are above average for a given trait. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety for a given trait.

Table 14 Yields of 13 Full-season (117+ DAP) Roundup / stacked corn hybrids in 14 County Standard Tests in Tennessee in 2023.

MS† Avg. Yield	Hybrid	Avg. Yield	Avg. Moisture	Avg. Test Weight	Bradley	Carroll	Dyer	Gibson	Hademan	HenryB	HenryT	Lauderdale	Loudon	LoudonW	Madison	Meigs	Obion	Weakley
		bu/acre	%	lbs/bu	4/18	5/19	5/3	4/13	4/18	4/12	4/19	5/13	5/5	4/21	4/20	4/16	4/11	4/18
A	DeKalb 70-45 VT2PRIB	221	15.2	60.4	265	**167**	207	200	149	255	224	149	**251**	226	163	251	294	248
AB	DeKalb 68-35 VT2P	220	15.1	60.3	**293**	150	202	122	154	**271**	**238**	162	249'	285	142	**262**	276	239
AB	Dyna-Gro 57TC29	218	15.2	59.1	256	130	**212**	192	**163**	255	195	144	247	249	153	254	298	244
ABC	Progeny 2118 VT2P**	215	15.2	61.0	256	137	203	**211**	140	237	204	148	240	**302**	176	212	285	225
ABC	Croplan 5893	214	15.3	57.7	257	146	208	187	142	240	216	161	242	246	155	258	276	223
ABC	DeKalb 69-99 TRE*	214	14.7	61.2	253	134	208	194	131	255	212	**172**	**251**	182	**179**	236	286	**248**
ABCD	Progeny 9117 VT2P	210	15.0	61.1	245	148	200	184	156	245	214	169	226	191	167	251	280	212
ABCD	Pioneer P1718 VYHR	210	15.4	58.2	255	142	211	185	153	253	199	162	229	185	143	225	**313**	230
BCDE	AgriGold 647-79 VT2P	208	14.5	61.2	265	157	200	184	131	249	218	151	204	222	144	234	292	225
CDE	Dyna-Gro 57VC53	205	14.8	61.9	247	149	196	166	143	231	191	159	234	155	162	256	276	232
DE	LG 69C03 VT2P	201	16.1	57.9	227	144	183	187	141	238	188	156	240	166	138	261	260	228
E	NK 1748-3110	197	15.3	58.7	220	134	191	160	124	253	194	155	231	192	139	188	293	221
	Average	211	15.2	59.9	253	145	202	181	144	249	208	157	236	217	155	241	286	231

‡ Data Provided by Ryan Blair, Ext. Area Specialist, Grain and Cotton Variety Testing, and Extension agents in counties shown above.
† Hybrids that have any MS letter in common are not significantly different in yield at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
§ All yields are adjusted to 15.5% moisture.
Highlighted cells indicate hybrids that were above average and bold/underline values indicate the top yield, within a location.
County locations include: Bradley, Carroll, Crockett, Decatur, Gibson, Haywood, Henderson, Henry (2 locs), Loudon (2 locs), Madison, and Tipton.
' indicates missing plot calculated by using averages across plots and location. (missin plot / hybrid average across all plots) x location average

Table 15. Overall average yields, moistures, and test weights of 5 full-season (>116 DAP) corn hybrids evaluated in both the County Standard Tests and AgResearch and Education Center Tests in Tennessee during 2022.

			Avg. of CST and REC Tests				REC Tests				CST Tests			
Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/*acre*)	Avg. Moisture (%)	Avg. Test Weight (lbs/bu)	"A group" in both tests	Avg. Yield§ (bu/*acre*)	Avg. Moisture (%)	Avg. Test Weight (lbs/bu)	"A group"	Avg. Yield§ (bu/*acre*)	Avg. Moisture (%)	Avg. Test Weight (lbs/bu)	"A group"
DeKalb 68-35	RR	VT2P	230	16.8	59.7	*	239	18.5	59.1	*	220	15.1	60.3	*
DeKalb 70-45	RR	VT2P	224	17.1	59.4		226	19.0	58.4		221	15.2	60.4	*
Dyna-Gro 57VC53	RR	VT2P	209	16.8	60.8		214	18.7	59.6		205	14.8	61.9	
Progeny 2118	RR	VT2P	216	17.0	60.3		218	18.8	59.6		215	15.2	61.0	*
Progeny 9117	RR	VT2P	214	16.9	59.0		219	18.7	57.0		210	15.0	61.1	*
Average			**219**	**16.9**	**59.8**		**223**	**18.7**	**58.7**		**214**	**15.1**	**61.0**	

‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.

Table 16. Characteristics, as described by the seed company, of corn hybrids evaluated in yield tests in Tennessee during 2023.

Hybrid	Herb. Pkg.[§]	Insect Pkg.[§]	Refuge	Released or Exp.	Maturity	Test	Seed Treatment
1st Choice Seeds RC 8420	RR	VT2P	Y	R	114	Early Corn	
Dekalb DKC62-70	RR	VT2P	N	R	112	Early Corn	Poncho Votivo 1250 + B360 + EDC
Dekalb DKC65-95***	RR	VT2P	N	R	115	Med Corn	Poncho Votivo 1250 + B360 + EDC
Dekalb DKC65-99	RR	TRE	N	R	115	Med Corn	Poncho Votivo 1250 + B360 + EDC
Dekalb DKC66-06	RR	TRE	N	R	116	Med Corn	Poncho Votivo 1250 + B360 + EDC
Dekalb DKC68-35	RR	VT2P	N	R	118	Full Corn	Poncho Votivo 1250 + B360 + EDC
Dekalb DKC70-45	RR	VT2P	N	R	120	Full Corn	Poncho Votivo 1250 + B360 + EDC
Dyna-Gro D50VC09	RR	VT2P	Y	R	110	Early Corn	Acceleron® 500/Poncho® 500/VOTiVO®500 EDC
Dyna-Gro D53TC23	RR	TRE	Y	R	113	Early Corn	Acceleron® 500/Poncho® 500/VOTiVO®500 EDC
Dyna-Gro D53VC54	RR	VT2P	Y	R	113	Early Corn	A500V
Dyna-Gro D56TC44	RR	TRE	Y	R	116	Med Corn	A500V
Dyna-Gro D57VC53	RR	VT2P	N	R	117	Full Corn	Acceleron® 500/Poncho® 500/VOTiVO®500 EDC
Innvictis A1292	RR	VT2P	N	R	112	Early Corn	Acceleron 250
Innvictis A1462	RR	VT2P	N	R	114	Med Corn	Acceleron 250
Innvictis A1542	RR	TRE	N	R	115	Med Corn	Acceleron 250
Innvictis A1551	RR	VT2P	N	R	115	Med Corn	ACC250
Innvictis A1689	RR	TRE	N	R	116	Med Corn	Acceleron 250
LG 64C43	RR	VT2P	N	R	114	Med Corn	AgriShield
LG 66C06	RR	VT2P	N	R	116	Med Corn	AgriShield
LG 67C07	RR	VT2P	N	R	117	Full Corn	AgriShield
LG 68C18	RR	VT2P	N	R	118	Full Corn	AgriShield
Progeny 2010	RR	TRE	N	R	110	Early Corn	PV1250+EDC+B360
Progeny 2118	RR	VT2P	N	R	118	Full Corn	PV1250+EDC+B360
Progeny 2215	RR	TRE	N	R	115	Med Corn	PV1250+EDC+B360
Progeny 2314	RR	TRE	N	R	114	Med Corn	PV1250+EDC+B360
Progeny 9114	RR	VT2P	N	R	114	Med Corn	PV1250+EDC+B360
Progeny 9117	RR	VT2P	N	R	117	Full Corn	PV1250+EDC+B360
Revere 0918	RR	VT2P	N	R	109	Early Corn	Radius 500
Revere 1307	RR	TRE	N	R	113	Early Corn	Radius 500
Revere 1398	RR	VT2P	N	R	113	Early Corn	Radius 500
Revere 1577	RR	VT2P	N	R	115	Med Corn	Radius 500
Revere 1627*	RR	TRE	N	R	116	Med Corn	Radius 500
Revere 1839	RR	TRE	N	R	118	Full Corn	Radius 500

* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.

Table 17. Contact information for corn hybrid seed companies evaluated in yield tests in Tennessee during 2022.

Company	Contact	Phone	Email	Web site
1st Choice Seeds	Brian Marlatt	765-938-3000	bmarlatt@1stchoiceseeds.com	https://www.1stchoiceseeds.com
Bayer Crop Science	Wes Rodgers	731-478-4349	wesley.rodgers@bayer.com	www.cropscience.bayer.us/brands/dekalb
Dyna-Gro Seed / Nutrien Ag Solutions	Brock Sargeant	270-881-3003	brock.sargeant@nutrien.com	www.dynagroseed.com
Erwin/Keith-Progeny	Brian Murray	870-208-4428	bmurray@progenyag.com	www.progenyag.com/
Innvictis Seed Solutions	Max Crittenden	254-652-0032	max.crittenden@innvictis.com	www.innvictis.com
LG Seeds	Dan Mitchell	812-457-3132	dan.mitchell@lgseeds.com	www.lgseeds.com
Revere Seed	Doug Messersmith	570-753-5503	doug.messersmith@revereseed.com	www.revereseed.com

Table 18. Abbreviations used to identify biotech traits of corn grain hybrids evaluated in Tennessee during 2022.

Abbreviation	Name	Characteristic
LL	LibertyLink	Glufosinate tolerance.
RR, RR2, GT	Roundup Ready, Roundup Ready 2	Glyphosate tolerance.
3000GT	Agrisure 3000GT	Protection from corn earworm, European corn borer, sugarcane borer, southwestern corn borer, corn rootworm. Glyphosate and glufosinate tolerance.
D2	Agrisure Duracade 5222 E-Z	Protection from black cutworm, corn earworm, European corn borer, fall armyworm, stalk borer, sugarcane borer, southwestern corn borer, true armyworm, western bean cutworm, corn rootworm. Glyphosate tolerance. Glufosinate tolerance (EZ1=yes, EZ0=no)
HX1	DowAgrosciences Pioneer Hi-Bred Herculex I	Protection from western bean cutworm, corn borer, black cutworm and fall armyworm resistance. Glyphosate and glufosinate tolerance.
SS	Monsanto Genuity SmartStax DowAgrosciences SmartStax	Protection from black cutworm, corn earworm, European corn borer, fall armyworm, stalk borer, Sugarcane borer, Southwestern corn borer, corn rootworm. Glyphosate and glufosinate tolerance.
TRE	Trecepta	Protection from black cutworm, corn earworm, European corn borer, fall armyworm, stalk borer, sugarcane borer, southwestern corn borer, true armyworm, western bean cutworm. Glyphosate tolerance.
VR	Agrisure Viptera 3110	Protection from black cutworm, corn earworm, European corn borer, fall armyworm, stalk borer, sugarcane borer, southwestern corn borer, true armyworm, western bean cutworm. Glyphosate tolerance and glufosinate tolerance.
VT2P	Monsanto Genuity VT Double PRO	Protection from corn earworm, European corn borer, fall armyworm, stalk borer, sugarcane borer, southwestern corn borer. Glyphosate tolerance.
VZ	Agrisure Viptera 3220 E-Z	Protection from black cutworm, corn earworm, European corn borer, fall armyworm, stalk borer, sugarcane borer, southwestern corn borer, true armyworm, western bean cutworm. Glyphosate tolerance. Glufosinate tolerance (EZ1=yes, EZ0=no).
YGCB	Monsanto YieldGard Corn Borer	Protection from European and Southwestern Corn Borers, Sugarcane Borer and Southern Cornstalk Borer.

Table A-1. Mean yield and agronomic traits of 10 early-season (<114 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at the East Tennessee AgResearch and Education Center in Knoxville, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Revere 1307	RR	TRE	247 A	222 A	247 A	15.8 B-D	16.8 AB	16.7 B	107 A	113 A	114 A	43 A-C	45 A	47 AB	1	1	1
Revere 0918	RR	VT2P	233 A	205 A		15.0 EF	16.6 A-C		106 A	108 A		45 AB	44 A		0	0	
Dyna-Gro D53VC54	RR	VT2P	229 A			16.2 AB			112 A			42 BC			0		
Progeny 2010	RR	TRE	228 A			15.4 C-E			107 A			39 C			1		
Revere 1398	RR	VT2P	226 A	215 A	232 AB	15.2 E	16.5 A-C	16.7 B	108 A	113 A	116 A	46 A	47 A	48 A	1	1	0
Innvictis A1292	RR	VT2P	224 A			15.2 DE			111 A			40 C			0		
Dyna-Gro D50VC09	RR	VT2P	210 A	205 A	231 AB	14.5 F	15.8 C	16.0 C	106 A	111 A	113 A	41 C	44 A	45 B	1	1	0
1st Choice Seeds RC 8420	RR	VT2P	209 A			16.4 A			109 A			46 A			0		
Dyna-Gro D53TC23	RR	TRE	193 A	188 A		15.8 A-C	16.1 BC		104 A	110 A		41 C	44 A		0	0	
Dekalb DKC62-70	RR	VT2P	192 A	186 A	214 B	16.0 AB	17.2 A	17.4 A	106 A	108 A	113 A	41 C	44 A	45 B	0	0	0
Average			219	204	231	15.5	16.5	16.7	108	111	114	42	45	46	0	0	0
Standard Error			16	16	26	0.3	1.2	0.7	2	5	4	2	2	2	0	0	0
L.S.D.$_{.05}$			N.S.	N.S.	21	0.6	0.8	0.5	N.S.	N.S.	N.S.	4	N.S.	2	.	.	.
C.V.			12	11	9	2.2	4.0	3.0	3	4	4	5	6	5	.	.	.

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-1 cont.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Test Weight (lbs/bu)			Protein‖ (%)			Oil‖ (%)			Starch‖ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Revere 1307	RR	TRE	53.0 A	54.5 A	55.6 A	8.5 AB	8.2 A	8.4 A	3.5 A	3.5 B	3.5 B	73.5 A	73.3 A	73.3 A
Revere 0918	RR	VT2P	53.0 A	53.7 A		8.0 CD	7.9 A		3.8 A	3.7 A		73.4 A	73.4 A	
Dyna-Gro D53VC54	RR	VT2P	50.9 A			8.4 A-C			3.6 A			72.9 A		
Progeny 2010	RR	TRE	56.4 A			8.0 CD			3.6 A			72.4 A		
Revere 1398	RR	VT2P	55.3 A	52.7 A	54.1 A	8.1 B-D	8.0 A	8.4 A	3.6 A	3.6 AB	3.7 A	73.2 A	73.5 A	73.1 A
Innvictis A1292	RR	VT2P	54.8 A			8.5 A-C			3.6 A			73.1 A		
Dyna-Gro D50VC09	RR	VT2P	52.5 A	53.5 A	53.5 A	7.8 D	7.9 A	8.2 A	3.7 A	3.7 A	3.7 A	74.1 A	73.4 A	73.3 A
1st Choice Seeds RC 8420	RR	VT2P	56.1 A			8.8 A			3.7 A			73.0 A		
Dyna-Gro D53TC23	RR	TRE	57.7 A	55.6 A		8.5 A-C	8.2 A		3.6 A	3.6 AB		73.1 A	73.0 A	
Dekalb DKC62-70	RR	VT2P	59.6 A	57.5 A	57.6 A	8.2 B-D	7.9 A	8.3 A	3.7 A	3.7 A	3.7 A	72.9 A	72.5 A	72.4 B
Average			54.9	54.6	55.2	8.3	8.0	8.3	3.6	3.6	3.6	73.1	73.2	73.0
Standard Error			2.6	1.5	1.2	0.2	0.2	0.4	0.1	0.0	0.0	0.4	0.3	0.3
L.S.D.$_{.05}$			N.S.	N.S.	N.S.	0.5	N.S.	N.S.	N.S.	0.1	0.1	N.S.	N.S.	0.6
C.V.			8.1	6.5	6.0	3.2	3.5	3.7	3.1	3.2	2.8	0.8	0.9	0.8

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-2. Mean yield and agronomic traits of 15 medium-season (114-116 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at the East Tennessee AgResearch and Education Center in Knoxville, Tennessee during 2022. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
Dekalb DKC66-06	RR	TRE	270 A			17.1 BC			116 AB			47 A			0		
Progeny 2314	RR	TRE	261 AB			16.4 C			109 C-E			43 A			1		
Dekalb DKC65-99	RR	TRE	261 AB	227 A	239 A	16.4 C	18.3 A	17.9 A	104 F	109 A	111 B	40 A	43 A	45 A	0	1	0
LG 64C43	RR	VT2P	254 A-C			17.5 AB			107 D-F			39 A			1		
Innvictis A1689	RR	TRE	250 A-C			16.6 BC			113 A-C			47 A			1		
Progeny 2215	RR	TRE	247 A-C	224 A		16.8 BC	18.0 A		116 AB	114 A		44 A	46 A		1	1	
Dyna-Gro D56TC44	RR	TRE	246 A-C			17.0 BC			106 D-F			42 A			0		
Revere 1627*	RR	TRE	246 A-C	226 A		17.1 BC	18.5 A		112 BC	114 A		46 A	48 A		0	0	
Innvictis A1542	RR	TRE	243 A-C			17.0 BC			110 CD			44 A			0		
Innvictis A1462	RR	VT2P	241 A-C	225 A		16.6 BC	18.0 A		106 EF	109 A		43 A	45 A		0	1	
Dekalb DKC65-95***	RR	VT2P	239 BC	214 A	235 A	16.9 BC	18.4 A	18.0 A	112 BC	115 A	117 A	44 A	47 A	48 A	0	0	0
Progeny 9114	RR	VT2P	234 B-D	213 A	233 A	17.5 AB	18.8 A	18.1 A	107 D-F	114 A	114 A	41 A	46 A	46 A	0	0	0
Innvictis A1551	RR	VT2P	231 CD	204 A		17.2 BC	18.3 A		105 EF	113 A		39 A	44 A		0	0	
LG 66C06	RR	VT2P	227 CD	201 A		18.2 A	19.3 A		117 A	115 A		44 A	46 A		0	1	
Revere 1577	RR	VT2P	207 D			17.2 BC			104 F			39 A			0		
Average			244	217	236	17.0	18.4	18.0	110	113	114	43	46	46	0	1	0
Standard Error			11	25	24	0.3	1.4	1.0	2	4	3	2	3	3	0	0	0
L.S.D.$_{.05}$			30	N.S.	N.S.	0.9	N.S.	N.S.	5	N.S.	3	N.S.	N.S.	N.S.	.	.	.
C.V.			7	8	6	3.3	4.2	3.2	2	5	3	8	9	7	.	.	.

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-2 cont.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Test Weight (lbs/bu)			Protein‖ (%)			Oil‖ (%)			Starch‖ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Dekalb DKC66-06	RR	TRE	59.1 A-C			8.1 E-G			3.5 E			73.6 A-C		
Progeny 2314	RR	TRE	58.5 CD			8.7 B-D			3.8 B			72.7 D-F		
Dekalb DKC65-99	RR	TRE	58.4 CD	56.6 A	56.9 A	8.7 BC	8.2 A	8.7 A	3.8 AB	3.7 A	3.8 A	72.9 C-F	73.1 A	72.6 A
LG 64C43	RR	VT2P	56.9 F			7.6 G			3.6 C-E			73.2 A-D		
Innvictis A1689	RR	TRE	59.5 AB			9.5 A			3.7 BC			71.5 H		
Progeny 2215	RR	TRE	59.0 A-C	56.7 A		9.5 A	8.7 A		3.7 BC	3.7 A		71.8 GH	72.1 B	
Dyna-Gro D56TC44	RR	TRE	58.6 B-D			7.9 FG			3.8 B			73.7 A		
Revere 1627*	RR	TRE	58.0 DE	56.1 A		8.9 BC	8.7 A		3.8 BC	3.7 A		72.4 E-G	72.2 B	
Innvictis A1542	RR	TRE	58.5 CD			7.9 FG			3.9 A			73.7 A		
Innvictis A1462	RR	VT2P	58.4 CD	56.2 A		8.8 BC	8.6 A		3.7 B-D	3.8 A		73.1 A-D	72.6 AB	
Dekalb DKC65-95***	RR	VT2P	59.8 A	56.1 A	56.6 A	9.2 AB	8.6 A	8.8 A	3.8 B	3.7 A	3.7 A	72.2 FG	72.6 AB	72.3 A
Progeny 9114	RR	VT2P	59.0 A-C	56.2 A	55.7 A	7.8 FG	8.1 A	8.2 A	3.7 BC	3.7 A	3.7 A	73.6 AB	73.1 A	73.0 A
Innvictis A1551	RR	VT2P	57.1 F	54.9 A		8.5 C-E	8.6 A		3.7 BC	3.6 A		72.8 D-F	72.7 AB	
LG 66C06	RR	VT2P	57.3 EF	55.5 A		8.2 D-F	8.1 A		3.5 DE	3.7 A		73.4 A-D	73.3 A	
Revere 1577	RR	VT2P	58.8 B-D			7.9 FG			3.7 BC			73.0 B-E		
Average			**58.5**	**56.0**	**56.4**	**8.5**	**8.5**	**8.6**	**3.7**	**3.7**	**3.7**	**72.9**	**72.7**	**72.6**
Standard Error			**0.3**	**2.4**	**1.7**	**0.2**	**0.3**	**0.3**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.3**
L.S.D.$_{.05}$			**0.9**	**N.S.**	**N.S.**	**0.5**	**N.S.**	**N.S.**	**0.1**	**N.S.**	**N.S.**	**0.7**	**0.7**	**N.S.**
C.V.			**0.9**	**3.1**	**3.3**	**3.7**	**6.4**	**6.4**	**2.3**	**3.8**	**2.7**	**0.6**	**0.8**	**0.8**

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-3. Mean yield and agronomic traits of eight full-season (>116 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at the East Tennessee AgResearch and Education Center in Knoxville, Tennessee during 2022. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Dekalb DKC68-35	RR	VT2P	273 A			17.5 A			112 A			45 A			2		
Revere 1839	RR	TRE	265 A			19.6 A			115 A			49 A			0		
LG 67C07	RR	VT2P	259 A	228 A		18.3 A	19.3 A		112 A	117 A		48 A	48 A		1	1	
LG 68C18	RR	VT2P	250 A			19.0 A			111 A			47 A			0		
Dyna-Gro D57VC53	RR	VT2P	247 A	215 A		18.2 A	18.8 A		109 A	115 A		46 A	50 A		0	1	
Progeny 9117	RR	VT2P	245 A	229 A	244 A	18.9 A	19.8 A	19.5 A	111 A	114 A	117 A	44 A	47 A	47 A	0	1	0
Dekalb DKC70-45	RR	VT2P	235 A			18.4 A			110 A			46 A			4		
Progeny 2118	RR	VT2P	234 A	206 A	233 A	17.8 A	19.7 A	19.5 A	109 A	112 A	117 A	43 A	46 A	49 A	1	1	0
Average			251	220	238	18.5	19.4	19.5	111	114	117	46	48	48	1	1	0
Standard Error			13	27	24	0.4	1.1	0.9	2	4	5	2	3	3	0	0	0
L.S.D.$_{.05}$			N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	.	.	.
C.V.			9	8	9	3.9	6.1	5.1	3	4	4	7	8	11	.	.	.

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given

Table A-3 cont.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Test Weight (lbs/bu)			Protein‖ (%)			Oil‖ (%)			Starch‖ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Dekalb DKC68-35	RR	VT2P	59.1 AB			8.6 BC			3.5 E			73.1 A		
Revere 1839	RR	TRE	55.4 E			8.4 C			3.8 B-D			72.4 AB		
LG 67C07	RR	VT2P	58.6 B	56.9 A		8.8 A-C	8.3 A		3.7 C-E	3.7 A		72.7 A	72.6 A	
LG 68C18	RR	VT2P	57.7 CD			9.2 A			4.1 A			70.8 C		
Dyna-Gro D57VC53	RR	VT2P	59.6 A	57.4 A		9.1 AB	8.5 A		4.0 AB	3.9 A		72.5 AB	72.4 A	
Progeny 9117	RR	VT2P	57.0 D	54.0 B	55.0 B	8.7 A-C	8.5 A	8.6 A	3.8 B-D	3.8 A	3.9 A	71.3 BC	72.0 A	71.9 A
Dekalb DKC70-45	RR	VT2P	58.4 BC			9.0 AB			3.7 DE			72.2 AB		
Progeny 2118	RR	VT2P	59.6 A	55.9 AB	57.3 A	8.3 C	8.3 A	8.6 A	3.9 A-C	3.7 A	3.8 A	72.4 AB	72.5 A	72.5 A
Average			58.2	56.0	56.2	8.7	8.4	8.6	3.8	3.8	3.8	72.2	72.4	72.2
Standard Error			0.3	2.8	2.4	0.2	0.4	0.3	0.1	0.1	0.1	0.4	0.3	0.3
L.S.D.$_{.05}$			0.8	2.3	2	0.6	N.S.	N.S.	0.2	N.S.	N.S.	1.2	N.S.	N.S.
C.V.			0.8	3.4	2.7	3.8	5.2	4.9	3.1	4.0	3.8	0.9	1.2	0.8

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-4. Mean yield and agronomic traits of 10 early-season (<114 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at the Northeast Tennessee AgResearch and Education Center in Greeneville, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023) and 2 yr (2022 - 2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)		Moisture at Harvest (%)		Plant Height (in.)		Ear Height (in.)		Lodging¶ (%)	
			1 yr	2 yr	1 yr	2 yr	1 yr	2 yr	1 yr	2 yr	1 yr	2 yr
Dyna-Gro D53TC23	RR	TRE	275 A	227 A	21.7 B	19.0 B	94 D	90 AB	41 A	41 A	0	0
Revere 1307	RR	TRE	259 AB	216 A	21.7 B	18.9 B	95 CD	89 AB	40 A	41 A	1	2
1st Choice Seeds RC 8420	RR	VT2P	246 A-C		24.3 A		101 A		38 A		0	
Revere 0918	RR	VT2P	242 B-D	207 A	20.5 C	17.9 C	95 CD	88 B	39 A	39 A	0	0
Dyna-Gro D53VC54	RR	VT2P	241 B-D		23.3 A		100 AB		40 A		0	
Revere 1398	RR	VT2P	236 B-E	223 A	23.6 A	20.3 A	97 BC	93 A	40 A	42 A	0	1
Progeny 2010	RR	TRE	233 B-E		22.2 B		97 CD		36 A		0	
Dekalb DKC62-70	RR	VT2P	223 C-E	203 A	21.8 B	19.4 B	96 CD	89 B	37 A	40 A	0	1
Innvictis A1292	RR	VT2P	214 DE		21.8 B		96 CD		35 A		0	
Dyna-Gro D50VC09	RR	VT2P	209 E	196 A	20.4 C	18.0 C	96 CD	93 A	37 A	41 A	0	0
Average			**238**	**212**	**22.1**	**18.9**	**97**	**90**	**38**	**40**	**0**	**1**
Standard Error			**10**	**30**	**0.3**	**2.7**	**1**	**5**	**1**	**2**	**0**	**0**
L.S.D.$_{.05}$			**30**	**N.S.**	**1.0**	**0.7**	**3**	**4**	**N.S.**	**N.S.**	**.**	**.**
C.V.			**7**	**11**	**2.7**	**3.1**	**2**	**4**	**6**	**6**	**.**	**.**

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-5. Mean yield and agronomic traits of 15 medium-season (114-116 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at the Northeast Tennessee AgResearch and Education Center in Greeneville, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023) and 2 yr (2022 - 2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)		Moisture at Harvest (%)		Plant Height (in.)		Ear Height (in.)		Lodging¶ (%)	
			1 yr	2 yr	1 yr	2 yr	1 yr	2 yr	1 yr	2 yr	1 yr	2 yr
Dekalb DKC66-06	RR	TRE	306 A		23.9 B-E		111 AB		47 AB		0	
Revere 1627*	RR	TRE	301 A	256 A	25.0 AB	21.3 A	109 AB	98 B	42 A-D	42 A	0	1
Progeny 2215	RR	TRE	299 A	255 A	24.8 AB	21.6 A	114 A	103 A	41 CD	42 A	0	1
Dekalb DKC65-95***	RR	VT2P	296 A	244 A	23.5 C-F	20.2 BC	112 A	99 B	46 A-C	45 A	0	1
Innvictis A1551	RR	VT2P	289 A	241 A	22.7 FG	19.8 C	111 AB	100 AB	43 A-D	42 A	0	0
Innvictis A1689	RR	TRE	284 A		24.5 A-C		109 AB		48 A		1	
Progeny 2314	RR	TRE	283 A		25.3 A		108 A-C		46 A-C		2	
Dekalb DKC65-99	RR	TRE	282 A	247 A	22.7 E-G	19.8 C	102 C	91 C	43 A-D	41 A	0	0
Innvictis A1462	RR	VT2P	275 A	244 A	24.0 B-D	20.9 AB	112 A	101 AB	48 A	45 A	2	1
Revere 1577	RR	VT2P	272 A		22.2 G		102 C		39 D		0	
LG 64C43	RR	VT2P	268 A		23.0 D-G		105 BC		41 CD		0	
Progeny 9114	RR	VT2P	267 A	235 A	22.6 FG	19.9 C	102 C	91 C	40 CD	40 A	0	0
Innvictis A1542	RR	TRE	264 A		23.9 B-E		105 BC		40 CD		1	
LG 66C06	RR	VT2P	261 A	225 A	24.1 A-D	20.7 A-C	110 AB	101 AB	42 A-D	44 A	0	2
Dyna-Gro D56TC44	RR	TRE	240 A		24.0 B-D		102 C		41 B-D		0	
Average			279	243	23.7	20.5	108	98	43	42	0	1
Standard Error			13	41	0.5	3.2	3	11	2	1	0	1
L.S.D.$_{.05}$			N.S.	N.S.	1.2	0.9	6	4	6	N.S.	.	.
C.V.			8	9	3.0	3.7	4	4	8	8	.	.

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-6. Mean yield and agronomic traits of eight full-season (>116 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at the Northeast Tennessee AgResearch and Education Center in Greeneville, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023) and 2 yr (2022 - 2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)		Moisture at Harvest (%)		Plant Height (in.)		Ear Height (in.)		Lodging¶ (%)	
			1 yr	2 yr	1 yr	2 yr	1 yr	2 yr	1 yr	2 yr	1 yr	2 yr
Revere 1839	RR	TRE	317 A		25.3 A-D		122 A		55 A		0	
Dekalb DKC68-35	RR	VT2P	314 A		24.5 D		113 B		47 B		3	
LG 67C07	RR	VT2P	287 AB	250 A	25.0 B-D	21.6 BC	102 C	92 B	48 B	45 A	0	1
Dyna-Gro D57VC53	RR	VT2P	284 AB	238 A	25.7 AB	22.4 A	107 BC	96 A	49 B	46 A	0	2
Dekalb DKC70-45	RR	VT2P	281 A-C		24.6 CD		108 BC		47 B		0	
Progeny 9117	RR	VT2P	280 A-C	247 A	24.9 B-D	21.4 C	107 BC	97 A	42 C	41 B	0	0
Progeny 2118	RR	VT2P	270 BC	232 A	25.4 A-C	22.0 AB	106 BC	97 A	48 B	45 A	0	3
LG 68C18	RR	VT2P	241 C		25.9 A		108 BC		46 BC		1	
Average			**284**	**242**	**25.2**	**21.9**	**109**	**96**	**48**	**44**	**1**	**2**
Standard Error			**14**	**39**	**0.3**	**3.4**	**3**	**10**	**1**	**3**	**0**	**1**
L.S.D.$_{.05}$			**41**	**N.S.**	**0.8**	**0.6**	**8**	**2**	**4**	**3**	**.**	**.**
C.V.			**8**	**8**	**1.8**	**2.3**	**4**	**2**	**5**	**5**	**.**	**.**

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-7. Mean yield and agronomic traits of 10 early-season (<114 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at the Highland Rim AgResearch and Education Center in Springfield, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Revere 1398	RR	VT2P	239 A	200 A	216 A	21.2 AB	20.4 A	20.6 A	104 A	90 AB	96 A	49 A	40 A	41 A	0	0	0
Revere 0918	RR	VT2P	239 A	205 A		18.7 CD	17.8 BC		104 A	92 A		46 A	39 A		0	0	
Revere 1307	RR	TRE	227 A	193 A	221 A	18.3 D	17.6 C	17.8 B	101 AB	90 AB	94 A	43 A	36 A	37 A	0	0	0
Progeny 2010	RR	TRE	225 A			20.6 AB			107 A			43 A			0		
Dyna-Gro D53TC23	RR	TRE	223 A	179 A		21.1 AB	19.0 A-C		98 B	86 B		44 A	35 A		0	0	
Dyna-Gro D53VC54	RR	VT2P	222 A			21.4 AB			103 AB			44 A			0		
Dyna-Gro D50VC09	RR	VT2P	221 A	202 A	212 A	21.1 AB	19.4 AB	19.0 B	106 A	92 A	97 A	46 A	37 A	37 A	0	0	0
Innvictis A1292	RR	VT2P	204 A			20.1 BC			102 AB			40 A			0		
Dekalb DKC62-70	RR	VT2P	185 A	185 A	208 A	22.1 A	20.3 A	20.7 A	107 A	94 A	99 A	42 A	34 A	35 A	0	0	0
1st Choice Seeds RC 8420	RR	VT2P	184 A			21.9 A			107 A			43 A			0		
Average			217	194	214	20.7	19.1	19.5	104	91	97	44	37	38	0	0	0
Standard Error			23	33	26	0.6	1.4	0.8	2	13	9	2	8	5	0	0	0
L.S.D.$_{.05}$			N.S.	N.S.	N.S.	1.7	1.7	1.3	5	5	N.S.	N.S.	N.S.	N.S.	.	.	.
C.V.			18	14	14	4.7	7.6	6.6	3	5	4	7	10	10	.	.	.

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-8. Mean yield and agronomic traits of 15 medium-season (114-116 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at the Highland Rim AgResearch and Education Center in Springfield, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Innvictis A1689	RR	TRE	251 A			22.8 A-E			108 A			45 A			0		
Dekalb DKC66-06	RR	TRE	245 A			21.9 EF			108 A			43 A			0		
Revere 1577	RR	VT2P	242 A			21.3 F			100 BC			43 A			0		
Innvictis A1462	RR	VT2P	239 A	191 A		22.4 C-F	20.2 A		100 BC	88 A		43 A	34 A		0	0	
Progeny 2215	RR	TRE	239 A	187 A		24.0 A	21.2 A		109 A	90 A		43 A	34 A		0	0	
Revere 1627*	RR	TRE	236 A	197 A		23.2 A-E	21.0 A		102 A-C	89 A		41 A	34 A		0	0	
Innvictis A1542	RR	TRE	230 A			22.1 D-F			100 BC			40 A			0		
Dekalb DKC65-95***	RR	VT2P	229 A	182 A	207 A	23.4 A-D	20.8 A	20.9 A	105 AB	90 A	95 A	42 A	33 A	37 A	0	0	0
Progeny 9114	RR	VT2P	226 A	171 A	196 A	22.5 B-F	20.5 A	20.3 A	102 A-C	85 A	90 A	42 A	33 A	34 A	0	0	0
Progeny 2314	RR	TRE	226 A			23.5 A-C			107 AB			40 A			0		
LG 64C43	RR	VT2P	226 A			23.1 A-E			109 A			41 A			0		
Innvictis A1551	RR	VT2P	215 A	180 A		23.2 A-E	20.8 A		104 A-C	88 A		41 A	34 A		0	0	
Dyna-Gro D56TC44	RR	TRE	211 A			22.6 B-F			106 AB			41 A			0		
Dekalb DKC65-99	RR	TRE	207 A	169 A	200 A	22.5 B-F	20.4 A	20.5 A	97 C	84 A	91 A	40 A	32 A	35 A	0	0	0
LG 66C06	RR	VT2P	206 A	170 A		23.7 AB	20.8 A		109 A	91 A		42 A	34 A		0	0	
Average			**229**	**181**	**201**	**22.8**	**20.7**	**20.6**	**104**	**88**	**92**	**42**	**34**	**35**	**0**	**0**	**0**
Standard Error			**17**	**45**	**39**	**0.5**	**2.5**	**1.3**	**3**	**15**	**10**	**3**	**8**	**6**	**0**	**0**	**0**
L.S.D.$_{.05}$			**N.S.**	**N.S.**	**N.S.**	**1.3**	**N.S.**	**N.S.**	**8**	**N.S.**	**N.S.**	**N.S.**	**N.S.**	**N.S.**	**.**	**.**	**.**
C.V.			**11**	**12**	**8**	**3.5**	**6.9**	**5.8**	**5**	**7**	**5**	**10**	**12**	**12**	**.**	**.**	**.**

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-9. Mean yield and agronomic traits of eight full-season (>116 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at the Highland Rim AgResearch and Education Center in Springfield, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Dekalb DKC68-35	RR	VT2P	269 A			22.9 A			114 AB			46 BC			0		
LG 68C18	RR	VT2P	264 A			24.3 A			111 A-C			52 A			0		
Dekalb DKC70-45	RR	VT2P	261 A			23.4 A			115 A			52 AB			0		
Revere 1839	RR	TRE	255 A			24.6 A			115 A			52 A			0		
Dyna-Gro D57VC53	RR	VT2P	254 A	200 A		22.5 A	21.4 A		110 A-C	91 A		49 AB	38 A		0	0	
LG 67C07	RR	VT2P	249 A	191 A		23.4 A	22.1 A		106 C	90 A		47 AB	38 A		0	0	
Progeny 9117	RR	VT2P	243 A	198 A	216 A	22.1 A	21.0 A	21.1 A	107 BC	91 A	98 A	41 C	34 A	36 B	0	0	0
Progeny 2118	RR	VT2P	241 A	197 A	212 A	22.9 A	21.8 A	21.7 A	106 C	92 A	97 A	49 AB	39 A	40 A	0	0	0
Average			254	197	214	23.2	21.6	21.4	111	91	97	49	37	38	0	0	0
Standard Error			9	51	31	0.7	1.3	0.7	2	16	11	2	9	5	0	0	0
L.S.D.$_{.05}$			N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	6	N.S.	N.S.	6	N.S.	3	.	.	.
C.V.			6	9	5	5.0	8.3	7.3	3	7	5	7	9	7	.	.	.

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-10. Mean yield and agronomic traits of 10 early-season (<114 DAP) corn hybrids evaluated in small plot replicated trials without irrigation at the Highland Rim AgResearch and Education Center in Springfield, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Dyna-Gro D53TC23	RR	TRE	238 A	199 A		16.2 B	17.5 A		99 A	91 AB		44 AB	38 A-C		0	0	
Revere 1307	RR	TRE	231 AB	166 A	172 A	16.2 B	17.4 A	17.4 A	96 A	82 C	85 B	38 C	34 C	36 A	0	0	0
Progeny 2010	RR	TRE	221 BC			15.6 B			99 A			40 BC			0		
Dyna-Gro D50VC09	RR	VT2P	212 CD	198 A	189 A	16.0 B	18.1 A	17.8 A	100 A	95 A	95 A	45 A	41 AB	40 A	0	0	0
Dekalb DKC62-70	RR	VT2P	205 C-E	187 A	179 A	16.4 B	18.7 A	18.9 A	98 A	93 AB	94 A	40 BC	39 AB	39 A	0	0	0
Innvictis A1292	RR	VT2P	203 DE			16.0 B			98 A			40 C			0		
1st Choice Seeds RC 8420	RR	VT2P	199 DE			19.8 A			102 A			43 A-C			0		
Revere 1398	RR	VT2P	199 DE	165 A	167 A	16.5 B	18.6 A	18.6 A	97 A	93 AB	92 A	46 A	42 A	41 A	0	0	0
Dyna-Gro D53VC54	RR	VT2P	197 DE			15.8 B			95 A			40 BC			0		
Revere 0918	RR	VT2P	196 E	164 A		15.8 B	17.3 A		95 A	87 BC		43 A-C	37 BC		0	0	
Average			210	180	177	16.4	17.9	18.2	98	90	92	42	39	39	0	0	0
Standard Error			8	35	20	0.6	1.8	1.2	4	8	5	2	4	2	0	0	0
L.S.D.$_{.05}$			15	N.S.	N.S.	1.3	N.S.	N.S.	N.S.	8	6	5	5	N.S.	.	.	.
C.V.			4	15	15	4.5	9.3	8.9	4	7	7	6	10	10	.	.	.

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-11. Mean yield and agronomic traits of 15 medium-season (114-116 DAP) corn hybrids evaluated in small plot replicated trials without irrigation at the Highland Rim AgResearch and Education Center in Springfield, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Progeny 2314	RR	TRE	225 A			18.3 A-E			101 A-C			42 B-E			0		
Dekalb DKC66-06	RR	TRE	221 A			19.2 AB			102 A-C			42 B-E			0		
Dekalb DKC65-99	RR	TRE	220 A	186 A	180 A	18.7 A-D	20.8 A	19.7 A	91 DE	88 A	87 A	40 B-E	37 BC	35 A	0	0	0
Dekalb DKC65-95***	RR	VT2P	220 A	191 A	187 A	18.7 A-D	20.7 A	20.0 A	91 E	89 A	89 A	41 B-E	38 BC	38 A	0	0	0
Revere 1627*	RR	TRE	218 A	196 A		18.9 A-C	20.1 AB		104 AB	97 A		43 B-D	38 BC		0	0	
LG 64C43	RR	VT2P	218 A			17.1 C-F			98 A-E			40 C-E			0		
Revere 1577	RR	VT2P	218 A			16.0 F			96 B-E			37 E			0		
Innvictis A1542	RR	TRE	216 A			16.9 C-F			100 A-D			41 B-E			0		
Dyna-Gro D56TC44	RR	TRE	214 A			17.3 B-F			101 A-C			43 A-C			0		
Progeny 9114	RR	VT2P	213 A	178 A	169 A	16.5 EF	18.7 B	18.4 B	101 A-C	93 A	89 A	41 B-E	36 C	34 A	0	0	0
Innvictis A1689	RR	TRE	212 A			18.2 A-E			98 A-E			42 B-E			0		
Innvictis A1551	RR	VT2P	208 A	200 A		16.7 D-F	19.5 AB		93 C-E	91 A		38 DE	38 BC		0	0	
Progeny 2215	RR	TRE	202 A	167 A		19.3 A	20.8 A		105 A	97 A		41 B-E	39 BC		0	0	
Innvictis A1462	RR	VT2P	199 A	182 A		19.2 AB	20.2 AB		103 AB	97 A		48 A	44 A		0	0	
LG 66C06	RR	VT2P	186 A	184 A		17.9 A-F	18.7 B		104 AB	97 A		45 AB	40 AB		0	0	
Average			**213**	**186**	**179**	**17.9**	**19.9**	**19.3**	**99**	**94**	**88**	**42**	**39**	**36**	**0**	**0**	**0**
Standard Error			**8**	**26**	**22**	**0.9**	**1.8**	**1.5**	**3**	**6**	**4**	**2**	**4**	**3**	**0**	**0**	**0**
L.S.D.$_{.05}$			**N.S.**	**N.S.**	**N.S.**	**2.0**	**1.6**	**1.2**	**9**	**N.S.**	**N.S.**	**5**	**4**	**N.S.**	**.**	**.**	**.**
C.V.			**7**	**17**	**17**	**6.7**	**7.0**	**6.1**	**5**	**8**	**9**	**7**	**10**	**10**	**.**	**.**	**.**

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-12. Mean yield and agronomic traits of eight full-season (>116 DAP) corn hybrids evaluated in small plot replicated trials without irrigation at the Highland Rim AgResearch and Education Center in Springfield, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
LG 67C07	RR	VT2P	212 A	192 A		18.9 D	20.7 A		98 A	95 A		46 A	43 A		0	0	
Revere 1839	RR	TRE	208 AB			22.2 AB			105 A			47 A			0		
Dekalb DKC68-35	RR	VT2P	204 AB			20.6 B-D			101 A			41 A			0		
Progeny 2118	RR	VT2P	201 A-C	193 A	182 A	20.3 B-D	21.9 A	21.4 A	97 A	98 A	95 A	42 A	39 A	40 A	0	0	0
Dekalb DKC70-45	RR	VT2P	198 A-C			21.3 A-C			105 A			42 A			0		
Progeny 9117	RR	VT2P	195 BC	191 A	186 A	19.4 CD	19.8 A	20.0 A	105 A	96 A	95 A	41 A	40 A	40 A	0	0	0
Dyna-Gro D57VC53	RR	VT2P	188 C	182 A		19.8 CD	20.3 A		97 A	98 A		42 A	40 A		0	0	
LG 68C18	RR	VT2P	188 C			22.9 A			99 A			43 A			0		
Average			199	189	184	20.6	20.7	20.7	101	97	95	43	40	40	0	0	0
Standard Error			5	12	9	0.7	1.2	0.7	3	3	3	2	3	2	0	0	0
L.S.D.$_{.05}$			15	N.S.	N.S.	2.0	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	.	.	.
C.V.			4	11	9	5.5	6.9	6.9	5	7	7	6	8	7	.	.	.

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.

Table A-13. Mean yield and agronomic traits of 10 early-season (<114 DAP) corn hybrids evaluated in small plot replicated trials without irrigation at the Middle Tennessee AgResearch and Education Center in Spring Hill, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Dyna-Gro D50VC09	RR	VT2P	213 A	163 A	170 A	14.4 BC	15.0 A	14.7 A	94 A	93 A	94 A	41 B-D	41 A	41 A	0	4	3
Dyna-Gro D53TC23	RR	TRE	200 A	150 A		14.8 A-C	15.0 A		94 A	91 A		44 A-C	39 A		0	1	
Revere 1398	RR	VT2P	187 A	130 A	145 A	15.1 AB	14.8 A	14.9 A	92 A	90 A	91 A	42 BC	39 A	40 A	0	3	2
Dekalb DKC62-70	RR	VT2P	183 A	139 A	142 A	14.8 A-C	15.4 A	15.6 A	94 A	89 A	90 A	43 A-C	39 A	39 A	0	2	1
Innvictis A1292	RR	VT2P	182 A			15.3 AB			93 A			42 A-C			0		
1st Choice Seeds RC 8420	RR	VT2P	173 A			15.5 A			92 A			46 A			0		
Revere 0918	RR	VT2P	164 A	117 A		14.1 C	14.9 A		95 A	88 A		45 AB	40 A		0	2	
Progeny 2010	RR	TRE	160 A			14.8 A-C			90 A			38 D			1		
Dyna-Gro D53VC54	RR	VT2P	159 A			15.5 A			97 A			41 CD			0		
Revere 1307	RR	TRE	154 A	125 A	151 A	14.7 A-C	14.5 A	14.5 A	92 A	89 A	90 A	41 CD	37 A	39 A	0	4	3
Average			177	137	152	14.9	14.9	14.9	93	90	91	42	39	40	0	3	2
Standard Error			17	49	31	0.3	0.4	0.3	3	4	2	2	4	2	0	2	2
L.S.D.$_{.05}$			N.S.	N.S.	N.S.	0.8	N.S.	N.S.	N.S.	N.S.	N.S.	4	N.S.	N.S.	.	.	.
C.V.			16	21	18	3.1	5.7	5.3	4	5	5	5	7	7	.	.	.

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-14. Mean yield and agronomic traits of 15 medium-season (114-116 DAP) corn hybrids evaluated in small plot replicated trials without irrigation at the Middle Tennessee AgResearch and Education Center in Spring Hill, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Revere 1627*	RR	TRE	202 A	111 A		15.1 B-E	15.5 A		93 DE	81 A		42 A	35 A		0	1	
Dekalb DKC65-99	RR	TRE	198 A	107 A	113 A	15.4 A-E	15.0 A	15.2 A	89 E	78 A	81 A	40 A	33 A	34 A	0	0	0
Innvictis A1462	RR	VT2P	197 A	110 A		15.9 A	15.6 A		96 B-D	83 A		45 A	37 A		0	1	
Dekalb DKC65-95***	RR	VT2P	196 A	116 A	120 A	15.3 A-E	15.0 A	15.4 A	96 B-D	83 A	84 A	43 A	35 A	35 A	1	1	1
Dyna-Gro D56TC44	RR	TRE	194 A			15.7 A-C			96 B-D			43 A			0		
LG 66C06	RR	VT2P	193 A	105 A		15.8 AB	15.7 A		103 A	85 A		42 A	35 A		0	1	
Dekalb DKC66-06	RR	TRE	192 A			15.8 A-C			101 AB			44 A			0		
Progeny 9114	RR	VT2P	191 A	102 A	115 A	15.1 C-E	14.9 A	15.2 A	93 DE	80 A	79 A	41 A	33 A	33 A	0	2	1
Progeny 2314	RR	TRE	186 A			15.8 AB			95 B-D			42 A			1		
Innvictis A1542	RR	TRE	180 A			15.8 AB			95 B-D			42 A			0		
Progeny 2215	RR	TRE	166 A	102 A		15.4 A-E	15.3 A		101 A-C	85 A		44 A	37 A		0	1	
LG 64C43	RR	VT2P	165 A			14.7 E			92 DE			39 A			0		
Innvictis A1551	RR	VT2P	163 A	86 A		15.0 DE	15.2 A		97 A-D	81 A		43 A	35 A		0	1	
Revere 1577	RR	VT2P	163 A			15.2 A-E			95 C-E			38 A			0		
Innvictis A1689	RR	TRE	157 A			15.4 A-D			93 DE			41 A			0		
Average			183	105	116	15.4	15.3	15.3	96	82	81	42	35	34	0	1	1
Standard Error			15	84	51	0.3	0.4	0.5	3	14	7	2	8	4	0	1	0
L.S.D.$_{.05}$			N.S.	N.S.	N.S.	0.7	N.S.	N.S.	6	N.S.	N.S.	N.S.	N.S.	N.S.	.	.	.
C.V.			14	16	14	2.7	6.3	6.6	4	5	5	7	7	6	.	.	.

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-15. Mean yield and agronomic traits of 8 full-season (>116 DAP) corn hybrids evaluated in small plot replicated trials without irrigation at the Middle Tennessee AgResearch and Education Center in Spring Hill, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Dekalb DKC68-35	RR	VT2P	213 A			15.9 A			94 A			41 A			0		
Revere 1839	RR	TRE	199 A			15.9 A			99 A			45 A			0		
LG 68C18	RR	VT2P	179 A			16.2 A			96 A			43 A			0		
LG 67C07	RR	VT2P	179 A	94 A		15.8 A	14.5 A		96 A	80 A		46 A	35 A		0	3	
Progeny 2118	RR	VT2P	179 A	97 A	104 A	16.3 A	15.9 A	16.0 A	96 A	78 A	80 A	42 A	33 A	35 A	0	1	1
Dekalb DKC70-45	RR	VT2P	178 A			16.1 A			96 A			44 A			2		
Progeny 9117	RR	VT2P	172 A	91 A	106 A	16.2 A	16.1 A	16.2 A	103 A	82 A	83 A	41 A	33 A	34 A	0	1	1
Dyna-Gro D57VC53	RR	VT2P	148 A	80 A		16.3 A	15.7 A		95 A	81 A		44 A	35 A		0	1	
Average			181	90	105	16.1	15.5	16.1	97	80	82	43	34	35	0	2	1
Standard Error			12	79	49	0.1	0.7	0.3	4	17	11	3	9	5	0	1	0
L.S.D.$_{.05}$			N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	.	.	.
C.V.			11	16	18	1.3	8.5	4.7	4	5	5	8	8	5	.	.	.

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety for a given trait.

Table A-16. Mean yield and agronomic traits of 10 early-season (<114 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at the AgResearch and Education Center at Milan in Milan, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Revere 1307	RR	TRE	248 A	246 A	252 A	13.5 DE	15.1 A	15.8 A		0	0
Progeny 2010	RR	TRE	243 A			13.4 EF					
Dyna-Gro D50VC09	RR	VT2P	232 A	245 A	248 A	13.1 F	14.7 A	15.5 A		0	0
Dyna-Gro D53VC54	RR	VT2P	229 A			15.0 A					
Revere 1398	RR	VT2P	224 A	227 A	239 A	13.9 CD	14.7 A	15.9 A		0	0
Innvictis A1292	RR	VT2P	217 A			14.1 BC					
Revere 0918	RR	VT2P	215 A	234 A		13.3 EF	14.8 A			0	
Dyna-Gro D53TC23	RR	TRE	213 A	220 A		13.7 DE	14.7 A			0	
1st Choice Seeds RC 8420	RR	VT2P	209 A			14.3 B					
Dekalb DKC62-70	RR	VT2P	194 A	213 A	218 B	14.0 B-D	14.8 A	15.9 A		0	0
Average			**222**	**231**	**239**	**13.8**	**14.8**	**15.8**	**.**	**0**	**0**
Standard Error			**18**	**13**	**11**	**0.1**	**1.3**	**1.2**	**.**	**0**	**0**
L.S.D.$_{.05}$			**N.S.**	**N.S.**	**15**	**0.4**	**N.S.**	**N.S.**	**.**	**.**	**.**
C.V.			**9**	**10**	**6**	**1.8**	**3.8**	**3.7**	**.**	**.**	**.**

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-17. Mean yield and agronomic traits of 15 medium-season (114-116 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at the AgResearch and Education Center at Milan in Milan, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Innvictis A1462	RR	VT2P	243 A	244 A		15.1 A-C	15.4 A-C			0	
Progeny 2314	RR	TRE	240 A			14.9 A-D					
Dekalb DKC66-06	RR	TRE	239 A			15.3 A-C					
Progeny 2215	RR	TRE	234 AB	216 A		15.3 AB	15.6 A-C			0	
Dekalb DKC65-95***	RR	VT2P	226 A-C	230 A	241 A	15.1 A-C	15.6 AB	16.1 A		0	0
LG 64C43	RR	VT2P	225 A-C			15.1 A-C					
LG 66C06	RR	VT2P	222 A-C	223 A		15.4 A	15.9 A			0	
Revere 1627*	RR	TRE	221 A-C	227 A		15.4 A	15.7 A			0	
Innvictis A1551	RR	VT2P	217 A-D	224 A		14.3 D	15.1 C			0	
Progeny 9114	RR	VT2P	214 A-E	232 A	245 A	14.6 CD	15.1 BC	15.4 B		0	0
Revere 1577	RR	VT2P	209 A-E			14.6 CD					
Dekalb DKC65-99	RR	TRE	198 B-E	219 A	230 A	14.3 D	15.1 BC	15.7 B		0	0
Innvictis A1689	RR	TRE	195 C-E			14.8 A-D					
Dyna-Gro D56TC44	RR	TRE	181 DE			14.7 B-D					
Innvictis A1542	RR	TRE	180 E			14.9 A-D					
Average			**216**	**227**	**239**	**14.9**	**15.4**	**15.7**	**.**	**0**	**0**
Standard Error			**13**	**10**	**15**	**0.2**	**0.5**	**0.6**	**.**	**0**	**0**
L.S.D.$_{.05}$			**36**	**N.S.**	**N.S.**	**0.7**	**0.6**	**0.4**	**.**	**.**	**.**
C.V.			**10**	**10**	**7**	**2.6**	**3.1**	**2.3**	**.**	**.**	**.**

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-18. Mean yield and agronomic traits of 8 full-season (>116 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at the AgResearch and Education Center at Milan in Milan, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Revere 1839	RR	TRE	260 A			13.7 DE					
Dekalb DKC70-45	RR	VT2P	235 B			14.3 A-C					
Progeny 2118	RR	VT2P	230 B	227 A	237 A	14.5 A	15.3 A	16.1 A		0	0
LG 68C18	RR	VT2P	227 B			14.3 AB					
Progeny 9117	RR	VT2P	224 B	221 A	236 A	13.7 E	14.5 B	15.5 A		0	0
Dyna-Gro D57VC53	RR	VT2P	199 C	216 A		14.5 A	15.0 AB			0	
Dekalb DKC68-35	RR	VT2P	196 C			13.9 C-E					
LG 67C07	RR	VT2P	194 C	217 A		14.0 B-D	14.6 B			0	
Average			**221**	**220**	**236**	**14.1**	**14.8**	**15.8**	**.**	**0**	**0**
Standard Error			**8**	**11**	**13**	**0.1**	**0.7**	**1.0**	**.**	**0**	**0**
L.S.D.$_{.05}$			**23**	**N.S.**	**N.S.**	**0.4**	**0.6**	**N.S.**	**.**	**.**	**.**
C.V.			**6**	**9**	**8**	**1.5**	**3.1**	**4.5**	**.**	**.**	**.**

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety for a given trait.

Table A-19. Mean yield and agronomic traits of 10 early-season (<114 DAP) corn hybrids evaluated in small plot replicated trials without irrigation at the AgResearch and Education Center at Milan in Milan, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Progeny 2010	RR	TRE	203 A			12 E					
Revere 1307	RR	TRE	203 A	158 A	185 A	13 CD	15 A	16 A		0	0
Innvictis A1292	RR	VT2P	200 A			13 B-D					
Dyna-Gro D53VC54	RR	VT2P	196 AB			14 AB					
Revere 0918	RR	VT2P	194 AB	156 A		13 DE	14 B			0	
Dyna-Gro D53TC23	RR	TRE	185 A-C	153 A		13 DE	14 B			0	
1st Choice Seeds RC 8420	RR	VT2P	182 A-C			15 A					
Revere 1398	RR	VT2P	176 BC	134 A	165 A	14 B-D	15 AB	16 A		0	0
Dekalb DKC62-70	RR	VT2P	168 C	148 A	177 A	14 BC	15 A	16 A		0	0
Dyna-Gro D50VC09	RR	VT2P	167 C	140 A	175 A	13 DE	14 B	15 B		0	0
Average			**188**	**148**	**175**	**13.4**	**14.5**	**15.5**	**.**	**0**	**0**
Standard Error			**9**	**35**	**37**	**0.2**	**1.3**	**1.1**	**.**	**0**	**0**
L.S.D.$_{.05}$			**21**	**N.S.**	**N.S.**	**0.7**	**0.6**	**0.7**	**.**	**.**	**.**
C.V.			**7**	**13**	**11**	**3.0**	**3.7**	**4.5**	**.**	**.**	**.**

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-20. Mean yield and agronomic traits of 15 medium-season (114-116 DAP) corn hybrids evaluated in small plot replicated trials without irrigation at the AgResearch and Education Center at Milan in Milan, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Dekalb DKC65-95***	RR	VT2P	213 A	158 A	187 A	14.8 A	16.4 A	16.6 A		0	0
Revere 1627*	RR	TRE	210 A	151 A		15.2 A	16.3 A			0	
Progeny 9114	RR	VT2P	209 A	166 A	194 A	14.4 A	15.5 A	15.6 B		0	0
Dekalb DKC66-06	RR	TRE	208 A			15.6 A					
Progeny 2314	RR	TRE	207 A			15.0 A					
Innvictis A1551	RR	VT2P	207 A	166 A		14.8 A	15.7 A			0	
Revere 1577	RR	VT2P	207 A			15.0 A					
Dyna-Gro D56TC44	RR	TRE	202 A			15.1 A					
Innvictis A1542	RR	TRE	193 A			14.7 A					
Innvictis A1689	RR	TRE	193 A			15.5 A					
Dekalb DKC65-99	RR	TRE	191 A	156 A	178 A	14.7 A	15.5 A	15.6 B		0	0
Innvictis A1462	RR	VT2P	187 A	141 A		15.7 A	16.1 A			0	
LG 64C43	RR	VT2P	176 A			15.3 A					
LG 66C06	RR	VT2P	171 A	151 A		15.4 A	16.6 A			0	
Progeny 2215	RR	TRE	167 A	141 A		15.6 A	16.1 A			0	
Average			**196**	**154**	**186**	**15.1**	**16.0**	**15.9**	**.**	**0**	**0**
Standard Error			**17**	**42**	**37**	**0.3**	**1.0**	**0.7**	**.**	**0**	**0**
L.S.D.$_{.05}$			**N.S.**	**N.S.**	**N.S.**	**N.S.**	**N.S.**	**0.8**	**.**	**.**	**.**
C.V.			**11**	**17**	**11**	**3.2**	**4.9**	**5.0**	**.**	**.**	**.**

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-21. Mean yield and agronomic traits of 8 full-season (>116 DAP) corn hybrids evaluated in small plot replicated trials without irrigation at the AgResearch and Education Center at Milan in Milan, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Revere 1839	RR	TRE	219 A			14.7 A					
Dekalb DKC68-35	RR	VT2P	206 AB			14.8 A					
LG 67C07	RR	VT2P	205 AB	135 A		14.5 A	16.5 A			0	
Dekalb DKC70-45	RR	VT2P	205 AB			15.2 A					
Dyna-Gro D57VC53	RR	VT2P	197 BC	141 A		14.7 A	15.7 A			0	
LG 68C18	RR	VT2P	187 BC			15.8 A					
Progeny 2118	RR	VT2P	187 BC	124 A	163 A	14.8 A	16.1 A	16.8 A		0	0
Progeny 9117	RR	VT2P	180 C	143 A	185 A	15.2 A	16.2 A	16.6 A		0	0
Average			**198**	**136**	**174**	**15.0**	**16.1**	**16.7**	**.**	**0**	**0**
Standard Error			**7**	**59**	**52**	**0.3**	**1.4**	**0.8**	**.**	**0**	**0**
L.S.D.$_{.05}$			**19**	**N.S.**	**N.S.**	**N.S.**	**N.S.**	**N.S.**	**.**	**.**	**.**
C.V.			**5**	**21**	**18**	**3.2**	**6.5**	**3.6**	**.**	**.**	**.**

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety for a given trait.

Table A-22. Mean yield and agronomic traits of 10 early-season (<114 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at the West Tennessee AgResearch and Education Center in Jackson, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Dyna-Gro D50VC09	RR	VT2P	226 A	220 A	226 AB	16.3 BC	16.4 A	16.4 A	88 BC	88 A	93 B	44 A	44 A	46 A		0	0
Revere 1307	RR	TRE	224 A	220 A	232 A	16.1 CD	16.0 A	16.3 A	87 BC	89 A	95 AB	41 A	43 A	46 A		0	0
Dyna-Gro D53VC54	RR	VT2P	222 A			17.0 B			91 AB			40 AB					
Revere 0918	RR	VT2P	214 A	220 A		15.4 D	16.0 A		87 BC	89 A		41 A	41 A			0	
Innvictis A1292	RR	VT2P	213 A			16.0 CD			81 C			39 AB					
1st Choice Seeds RC 8420	RR	VT2P	211 A			16.9 B			97 A			44 A					
Dyna-Gro D53TC23	RR	TRE	209 A	209 A		16.5 BC	16.2 A		92 AB	90 A		43 A	44 A			0	
Progeny 2010	RR	TRE	206 A			15.9 CD			90 B			34 B					
Dekalb DKC62-70	RR	VT2P	203 A	213 A	223 AB	16.0 CD	15.5 A	16.3 A	91 AB	87 A	94 B	41 A	42 A	43 A		0	0
Revere 1398	RR	VT2P	199 A	207 A	217 B	17.8 A	16.9 A	17.1 A	90 B	91 A	99 A	45 A	44 A	48 A		0	0
Average			213	215	225	16.4	16.1	16.5	89	89	95	41	43	46	.	0	0
Standard Error			7	5	10	0.3	0.3	0.4	2	2	7	2	2	3	.	0	0
L.S.D.$_{.05}$			N.S.	N.S.	11	0.7	N.S.	N.S.	7	N.S.	4	6	N.S.	N.S.	.	.	.
C.V.			5	6	5	2.6	4.5	4.8	5	5	4	9	9	8	.	.	.

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-23. Mean yield and agronomic traits of 15 medium-season (114-116 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at the West Tennessee AgResearch and Education Center in Jackson, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Dekalb DKC65-95***	RR	VT2P	226 A	227 A	229 A	16.7 DE	17.0 A	17.1 A	87 A	87 A	95 A	42 BC	43 A	46 A		0	0
Revere 1627*	RR	TRE	225 A	226 A		18.1 A	17.7 A		92 A	92 A		42 BC	44 A			0	
Dekalb DKC66-06	RR	TRE	225 A			17.4 A-D			88 A			43 A-C					
Progeny 2314	RR	TRE	222 A			18.1 A			95 A			47 A					
Innvictis A1689	RR	TRE	221 A			17.2 B-E			89 A			41 BC					
Innvictis A1542	RR	TRE	217 A			16.8 C-E			89 A			42 BC					
LG 66C06	RR	VT2P	217 A	221 A		17.9 AB	17.7 A		94 A	93 A		47 A	45 A			0	
Progeny 2215	RR	TRE	217 A	215 A		17.7 AB	17.7 A		93 A	94 A		44 AB	45 A			0	
Dyna-Gro D56TC44	RR	TRE	216 A			17.4 A-D			91 A			43 A-C					
Innvictis A1462	RR	VT2P	215 A	211 A		17.4 A-D	17.4 A		88 A	91 A		41 BC	42 A			0	
Revere 1577	RR	VT2P	213 A			16.8 C-E			84 A			41 BC					
Progeny 9114	RR	VT2P	213 A	218 A	221 A	17.6 AB	17.3 A	17.2 A	92 A	93 A	99 A	39 C	43 A	45 A		0	0
LG 64C43	RR	VT2P	210 A			17.8 AB			88 A			40 C					
Dekalb DKC65-99	RR	TRE	202 A	218 A	231 A	17.5 A-C	17.0 A	17.4 A	83 A	88 A	95 A	40 C	42 A	44 A		0	0
Innvictis A1551	RR	VT2P	199 A	207 A		16.6 E	17.0 A		91 A	93 A		41 BC	43 A			0	
Average			216	218	227	17.4	17.3	17.2	90	91	96	42	43	45	.	0	0
Standard Error			6	6	8	0.4	0.3	0.2	3	2	7	2	2	3	.	0	0
L.S.D.$_{.05}$			N.S.	N.S.	N.S.	0.8	N.S.	N.S.	N.S.	N.S.	N.S.	4	N.S.	N.S.	.	.	.
C.V.			5	7	7	2.6	4.2	3.3	5	5	5	6	8	8	.	.	.

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-24. Mean yield and agronomic traits of 8 full-season (>116 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at the West Tennessee AgResearch and Education Center in Jackson, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Ear Height (in.)			Lodging¶ (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Dekalb DKC68-35	RR	VT2P	223 A			17.8 CD			93 A			43 A					
Revere 1839	RR	TRE	222 A			17.9 CD			96 A			48 A					
Dekalb DKC70-45	RR	VT2P	219 A			18.6 BC			91 A			43 A					
LG 67C07	RR	VT2P	208 AB	213 A		17.1 D	16.4 A		87 A	91 A		49 A	46 A			0	
Progeny 9117	RR	VT2P	207 AB	210 A	219 A	19.2 B	17.2 A	17.2 A	91 A	93 A	102 A	44 A	45 A	47 A		0	0
Progeny 2118	RR	VT2P	201 B	200 A	209 A	18.3 BC	17.4 A	17.5 A	84 A	89 A	97 A	45 A	45 A	48 A		0	0
LG 68C18	RR	VT2P	199 B			20.6 A			91 A			48 A					
Dyna-Gro D57VC53	RR	VT2P	192 B	201 A		18.1 CD	16.5 A		90 A	92 A		47 A	46 A			0	
Average			209	206	214	18.4	16.9	17.3	90	91	100	46	45	48	.	0	0
Standard Error			6	6	10	0.4	1.3	0.9	3	4	9	2	2	3	.	0	0
L.S.D.$_{.05}$			17	N.S.	N.S.	1.0	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	.	.	.
C.V.			5	7	8	3.1	4.7	4.2	6	5	5	7	8	7	.	.	.

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-25. Mean yield and agronomic traits of 10 early-season (<114 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at AgriCenter International in Memphis, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)			Test Weight (lbs/bu)
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr
Revere 1307	RR	TRE	200 A	182 A	170 A	14.1 A	14.6 A	14.9 A	56.0 A
Progeny 2010	RR	TRE	190 AB			13.4 A			56.5 A
Dekalb DKC62-70	RR	VT2P	184 A-C	164 AB	165 A	13.3 A	14.2 A	14.5 A	56.0 A
Revere 0918	RR	VT2P	184 A-C	162 AB		13.3 A	14.4 A		55.8 A
1st Choice Seeds RC 8420	RR	VT2P	168 B-D			13.0 A			56.9 A
Innvictis A1292	RR	VT2P	163 CD			13.0 A			55.9 A
Dyna-Gro D50VC09	RR	VT2P	155 D	158 B	157 AB	13.3 A	14.2 A	14.5 A	56.6 A
Dyna-Gro D53TC23	RR	TRE	154 D	156 B		13.4 A	14.2 A		56.1 A
Revere 1398	RR	VT2P	154 D	124 C	135 B	13.6 A	14.4 A	14.7 A	57.8 A
Dyna-Gro D53VC54	RR	VT2P	154 D			14.2 A			54.7 A
Average			**171**	**158**	**157**	**13.5**	**14.3**	**14.7**	**56.2**
Standard Error			**9**	**16**	**11**	**0.4**	**0.9**	**0.6**	**0.9**
L.S.D.$_{.05}$			**26**	**24**	**23**	**N.S.**	**N.S.**	**N.S.**	**N.S.**
C.V.			**9**	**13**	**15**	**5.1**	**3.7**	**3.0**	**2.9**

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

Table A-26. Mean yield and agronomic traits of 15 medium-season (114-116 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at AgriCenter International in Memphis, Tennessee during 2023. Analysis included hybrid performance over a 1 yr (2023), 2 yr (2022-2023), and 3 yr (2021-2023) period.

Hybrid†	Herbicide Pkg‡	Insect Pkg.‡	Avg. Yield§ (bu/ac)			Moisture at Harvest (%)		
			1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Innvictis A1542	RR	TRE	212 A			14.8 A		
Progeny 2314	RR	TRE	205 A			15.4 A		
Innvictis A1551	RR	VT2P	202 A	168 AB		14.4 A	14.8 A	
LG 66C06	RR	VT2P	201 A	173 A		14.6 A	14.9 A	
LG 64C43	RR	VT2P	198 A			14.8 A		
Dyna-Gro D56TC44	RR	TRE	195 A			14.6 A		
Progeny 9114	RR	VT2P	193 A	171 AB	170 A	14.8 A	15.2 A	15.2 A
Innvictis A1689	RR	TRE	192 A			13.9 A		
Revere 1627*	RR	TRE	185 A	151 BC		15.1 A	15.1 A	
Dekalb DKC66-06	RR	TRE	184 A			14.8 A		
Dekalb DKC65-99	RR	TRE	183 A	160 AB	167 A	14.7 A	15.1 A	15.2 A
Dekalb DKC65-95***	RR	VT2P	177 A	158 A-C	159 A	14.8 A	15.0 A	15.2 A
Revere 1577	RR	VT2P	172 A			15.3 A		
Innvictis A1462	RR	VT2P	168 A	166 AB		14.0 A	14.7 A	
Progeny 2215	RR	TRE	161 A	137 C		14.5 A	15.0 A	
Average			**189**	**161**	**165**	**14.7**	**15.0**	**15.2**
Standard Error			**11**	**24**	**13**	**0.3**	**0.4**	**0.2**
L.S.D.$_{.05}$			**N.S.**	**22**	**N.S.**	**N.S.**	**N.S.**	**N.S.**
C.V.			**10**	**12**	**7**	**4.0**	**3.6**	**2.4**

† Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 18.
§ All yields are adjusted to 15.5% moisture.
¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.
Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

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