

Table 12-b. Mean yield and quality traits of 15 full-season (>116 DAP) corn hybrids evaluated in small plot replicated trials at eight AgResearch and Education Center locations in Tennessee during 2022. Analysis included hybrid performance over a 1 yr (2022), 2 yr (2021-2022), and 3 yr (2020-2022) 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 1898 TC	RR	TRE	168 A	186 A	207 A	53.3 A	56.0 A	54.1 A	8.1 A	8.8 A	8.7 A	3.6 A	3.7 A	4.0 C	72.4 A	72.3 B-D	72.7 A
Progeny 9117 VT2P****	RR	VT2P	163 A	193 A	210 A	50.7 A	54.1 A	53.9 A	8.2 A	8.6 A	8.5 A	3.8 A	3.9 A	4.3 A	72.7 A	72.1 CD	72.5 A
Dekalb DKC69-99*	RR	TRE	162 A	191 A		54.4 A	57.3 A		7.9 A	8.5 A		3.7 A	3.7 A		73.4 A	73.1 A	
AgriGold A647-79 VT2Pro	RR	VT2P	161 A			55.5 A			8.3 A			3.7 A			72.7 A		
Revere 1707 VT2P**	RR	VT2P	160 A	189 A	210 A	53.3 A	56.5 A	57.0 A	8.4 A	8.8 A	8.7 A	3.8 A	3.9 A	4.2 AB	72.2 A	72.3 CD	72.7 A
AgriGold A650-21 VT2Pro	RR	VT2P	160 A			49.9 A			8.1 A			3.9 A			71.6 A		
Dyna-Gro D57TC29*	RR	TRE	159 A	192 A		55.7 A	56.0 A		8.3 A	8.9 A		3.7 A	3.9 A		72.7 A	71.9 D	
Dekalb DKC67-44*****	RR	VT2P	157 A	188 A	209 A	54.3 A	56.9 A	55.6 A	7.8 A	8.4 A	8.5 A	3.6 A	3.7 A	4.0 BC	72.8 A	72.7 A-D	72.9 A
NK Seeds NK1838 3110	RR	3110	157 A			52.7 A			8.2 A			3.6 A			73.5 A		
LG Seeds LG67C07 VT2Pro	RR	VT2P	156 A			55.2 A			7.9 A			3.7 A			72.4 A		
Dyna-Gro D57VC53	RR	VT2P	155 A			55.1 A			8.0 A			3.8 A			72.3 A		
Dekalb DKC68-69****	RR	VT2P	155 A	190 A	209 A	56.4 A	58.0 A	56.7 A	8.3 A	8.7 A	8.7 A	3.7 A	3.7 A	4.0 BC	73.0 A	72.8 A-C	72.9 A
LG Seeds 69C03 VT2P	RR	VT2P	152 A			52.4 A			8.3 A			3.8 A			72.1 A		
Progeny 2118 VT2P	RR	VT2P	151 A	182 A		52.1 A	56.2 A		8.3 A	8.8 A		3.5 A	3.7 A		72.7 A	72.5 A-D	
Dekalb DKC67-94*	RR, LL	TRE	149 A	185 A		56.3 A	57.2 A		8.4 A	8.5 A		3.7 A	3.7 A		73.1 A	73.1 AB	
Average			158	188	209	53.8	56.5	55.5	8.2	8.7	8.6	3.7	3.8	4.1	72.6	72.5	72.7
Standard Error			27	42	20	1.7	2.6	2.0	0.2	0.5	0.3	0.1	0.1	0.3	0.6	0.4	0.4
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.	0.2	N.S.	0.8	N.S.
C.V.			16	12	9	5.4	4.6	5.3	4.2	3.5	4.1	4.8	4.3	4.5	1.3	1.0	1.0
Number of locs.			9	8	8	1	1	1	1	1	1	1	1	1	1	1	1
Plots per entry (reps x locs. x years)			27	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.