

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.