

**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 <sup>†</sup>	Herbicide Pkg. <sup>‡</sup>	Insect Pkg. <sup>‡</sup>		Avg. Yield <sup>§</sup> (bu/ac)			Test Weight (lbs/bu)			Protein <sup>  </sup> (%)			Oil <sup>  </sup> (%)			Starch <sup>  </sup> (%)		
				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. <sub>.05</sub>				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

<sup>†</sup> Hybrids that have any MS letter in common are not significantly different at the 5% level of probability.

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

<sup>‡</sup> For a full description of abbreviated biotech traits, see table 18.

<sup>§</sup> All yields are adjusted to 15.5% moisture.

<sup>||</sup> 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.