

Table 4-b. Mean yield and quality of 21 early-season (<114 DAP) corn hybrids evaluated in small plot replicated trials at nine 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
Dyna-Gro D50VC09	RR	VT2P	179 A	200 A		54.4 A	54.0 A		7.9 A	8.4 A		3.7 A	3.7 A		72.7 A	72.9 A	
AgriGold A643-52 VT2RIB	RR	VT2P	176 AB			52.6 A			8.0 A			3.7 A			73.7 A		
Dekalb DKC62-70	RR	VT2P	169 A-C	190 BC		55.4 A	56.6 A		7.6 A	8.4 A		3.7 A	3.7 AB		72.1 A	72.1 A	
Warren Seed DS 4878*	RR, LL	HX1,YGCB	168 A-C	198 AB		53.8 A	53.9 A		8.1 A	8.4 A		3.5 A	3.6 B-D		72.9 A	73.0 A	
AgriGold A641-85 TRCRIB	RR	TRE	167 A-C			54.5 A			7.8 A			3.5 A			73.4 A		
Progeny 2008 VT2P	RR	VT2P	166 A-D			51.9 A			8.1 A			3.6 A			72.3 A		
Warren Seed DS 5018**	RR, LL	HX1,YGCB	166 A-E	196 AB	209 A	50.2 A	53.1 A	53.9 A	7.9 A	8.2 A	8.0 B	3.7 A	3.7 AB	3.9 A	72.7 A	73.0 A	73.3 A
Warren Seed DS 5250*	RR, LL	HX1,YGCB	165 A-E	196 AB		51.3 A	53.6 A		7.8 A	8.3 A		3.6 A	3.6 CD		72.4 A	73.0 A	
Dekalb DKC59-82	RR	VT2P	165 A-E			53.8 A			7.7 A			3.5 A			72.2 A		
Dyna-Gro D53TC23	RR	TRE	163 B-E			53.4 A			8.0 A			3.7 A			72.9 A		
Dekalb DKC62-89	RR	TRE	163 B-E	184 C		54.0 A	56.0 A		7.7 A	8.1 A		3.7 A	3.7 AB		72.6 A	73.0 A	
Revere 1307 TC	RR	TRE	163 B-E	197 AB	213 A	56.0 A	56.9 A	56.6 A	7.8 A	8.4 A	8.5 A	3.5 A	3.5 D	3.9 A	73.1 A	73.2 A	73.0 A
Revere 0918 VT2P	RR	VT2P	162 B-E			54.5 A			7.8 A			3.6 A			73.5 A		
Dyna-Gro D52DC82	RR	VT2P	162 B-E			54.4 A			8.0 A			3.6 A			73.1 A		
Spectrum 6228	None	None	158 C-E			53.3 A			8.0 A			3.6 A			73.2 A		
Progeny 2012 VT2P	RR	VT2P	158 C-E	184 C	195 B	53.7 A	54.6 A	54.8 A	8.2 A	8.5 A	8.6 A	3.7 A	3.7 AB	4.0 A	73.3 A	72.9 A	72.9 A
Warren Seed DS 5383	RR, LL	HX1,YGCB	158 C-E			53.8 A			8.2 A			3.5 A			73.1 A		
Revere 1398 VT2P	RR	VT2P	156 C-E	184 C	198 B	50.0 A	53.5 A	54.6 A	7.9 A	8.5 A	8.8 A	3.6 A	3.7 A-C	4.1 A	73.8 A	73.1 A	72.8 A
Progeny 1912 VT2P	RR	VT2P	156 C-E			49.7 A			7.7 A			3.6 A			72.7 A		
Dyna-Gro D52VC63	RR	VT2P	153 DE			52.6 A			8.1 A			3.6 A			72.8 A		
Warren Seed DS 5095	RR, LL	HX1,YGCB	152 E			53.1 A			7.7 A			3.7 A			73.3 A		
Average			163	192	204	53.2	54.7	55.0	7.9	8.4	8.5	3.6	3.6	4.0	72.9	72.9	73.0
Standard Error			17	33	22	1.8	1.8	1.5	0.2	0.5	0.3	0.1	0.1	0.3	0.4	0.3	0.2
L.S.D. _{.05}			14	9	7	N.S.	N.S.	N.S.	N.S.	N.S.	0.4	N.S.	0.1	N.S.	N.S.	N.S.	N.S.
C.V.			16	12	10	5.7	5.2	4.7	3.5	3.7	5.0	3.0	2.6	4.9	0.9	0.9	0.9
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.