

Table 4-a. Mean yield and agronomic traits 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)			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	179 A	200 A		16.6 A	16.5 DE		92 A	98 B		40 A	41 A		1	1	
AgriGold A643-52 VT2RIB	RR	VT2P	176 AB			16.5 A			91 A			39 A-D			2		
Dekalb DKC62-70	RR	VT2P	169 A-C	190 BC		17.0 A	17.4 A		88 A	97 BC		39 A-D	40 A		1	0	
Warren Seed DS 4878*	RR, LL	HX1,YGCB	168 A-C	198 AB		17.0 A	16.8 CD		89 A	99 AB		39 A-C	41 A		1	0	
AgriGold A641-85 TRCRIB	RR	TRE	167 A-C			17.1 A			89 A			39 A-C			2		
Progeny 2008 VT2P	RR	VT2P	166 A-D			16.2 A			88 A			36 E			1		
Warren Seed DS 5018**	RR, LL	HX1,YGCB	166 A-E	196 AB	209 A	16.6 A	16.3 E	16.3 C	92 A	99 AB	103 A	40 A	42 A	42 A	2	1	0
Warren Seed DS 5250*	RR, LL	HX1,YGCB	165 A-E	196 AB		16.8 A	16.9 B-D		93 A	101 A		40 AB	42 A		1	0	
Dekalb DKC59-82	RR	VT2P	165 A-E			16.5 A			89 A			38 A-E			1		
Dyna-Gro D53TC23	RR	TRE	163 B-E			16.1 A			89 A			37 C-E			0		
Dekalb DKC62-89	RR	TRE	163 B-E	184 C		16.7 A	17.0 A-C		88 A	98 BC		37 B-E	40 A		2	1	
Revere 1307 TC	RR	TRE	163 B-E	197 AB	213 A	16.5 A	16.6 C-E	17.0 B	87 A	95 C	99 B	38 A-E	41 A	41 AB	1	1	0
Revere 0918 VT2P	RR	VT2P	162 B-E			16.5 A			87 A			37 DE			1		
Dyna-Gro D52DC82	RR	VT2P	162 B-E			16.3 A			88 A			39 A-D			1		
Spectrum 6228	None	None	158 C-E			16.1 A			89 A			38 A-E			1		
Progeny 2012 VT2P	RR	VT2P	158 C-E	184 C	195 B	16.8 A	17.0 A-D	17.4 AB	90 A	99 AB	102 A	38 A-E	41 A	40 B	1	1	0
Warren Seed DS 5383	RR, LL	HX1,YGCB	158 C-E			17.1 A			89 A			36 E			1		
Revere 1398 VT2P	RR	VT2P	156 C-E	184 C	198 B	17.1 A	17.3 AB	17.7 A	92 A	99 AB	102 A	40 AB	42 A	42 A	1	0	0
Progeny 1912 VT2P	RR	VT2P	156 C-E			16.2 A			90 A			38 A-E			2		
Dyna-Gro D52VC63	RR	VT2P	153 DE			16.4 A			89 A			38 A-E			1		
Warren Seed DS 5095	RR, LL	HX1,YGCB	152 E			16.6 A			91 A			39 A-C			2		
Average			163	192	204	16.6	16.9	17.1	89	98	101	38	41	41	1	1	0
Standard Error			17	33	22	0.6	0.5	0.6	6	9	7	3	4	4	1	0	0
L.S.D._{.05}			14	9	7	N.S.	0.5	0.4	N.S.	3	2	2	N.S.	2	.	.	.
C.V.			16	12	10	8	7	7	7	5	4	10	9	8	.	.	.
Number of locs.			9	8	8	9	8	8	6	5	5	6	5	5	8	7	7
Plots per entry (reps x locs. x years)			27	48	72	27	48	72	18	30	45	18	30	45	24	42	63

† 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.