

Table 8-a. Mean yield and agronomic traits of 24 medium-season (114-116 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
Progeny 8116 SS*	RR, LL	SS	166 A	188 A	204 AB	17.6 A	17.4 A	17.4 A	88 A	96 AB	102 BC	39 A-C	43 A	44 A	0	0	0
Dyna-Gro D54VC14	RR	VT2P	164 A			17.1 A			86 A			37 D-G			0		
Augusta A7268 VT2Pro	RR	VT2P	164 A			17.5 A			87 A			38 A-E			1		
Innvictis A1462	RR	VT2P	163 A			17.4 A			89 A			37 C-G			1		
Revere 1627 TC	RR	TRE	160 A			17.7 A			88 A			38 A-G			0		
Dekalb DKC65-99**	RR	TRE	159 A	185 A	208 AB	17.5 A	17.3 A	17.5 A	85 A	93 CD	98 D	35 G	39 CD	39 D	0	0	0
Dyna-Gro D55VC80	RR	VT2P	159 A	184 A	209 A	17.4 A	17.3 A	17.4 AB	90 A	99 A	105 A	40 AB	42 A	44 A	0	0	0
LG Seeds 66C06	RR	VT2P	159 A			17.5 A			88 A			38 A-G			1		
Dekalb DKC66-18	RR	VT2P	159 A	185 A	206 AB	17.0 A	17.4 A	17.6 A	86 A	93 CD	99 D	37 B-G	40 BC	41 BC	1	0	0
Innvictis A1551 VT2P	RR	VT2P	158 A			17.5 A			89 A			38 A-G			0		
LG Seeds LG66C44 VT2Pro**	RR	VT2P	158 A	183 A	206 AB	17.4 A	17.4 A	17.5 A	86 A	96 AB	102 BC	38 A-F	41 AB	42 BC	0	0	0
Progeny 9114 VT2P*	RR	VT2P	157 A	184 A	201 B	17.3 A	17.1 A	17.0 C	86 A	92 D	98 D	36 E-G	37 D	38 D	1	0	0
Dekalb DKC65-95**	RR	VT2P	157 A	185 A	203 AB	17.7 A	17.6 A	17.6 A	87 A	95 BC	100 CD	37 C-G	40 BC	41 C	0	0	0
AgriGold A645-16 VT2RIB***	RR	VT2P	157 A	184 A	206 AB	17.5 A	17.4 A	17.6 A	86 A	96 AB	102 BC	37 C-G	41 AB	43 AB	0	0	0
Innvictis A1689	RR	TRE	157 A			17.2 A			87 A			38 A-E			1		
Augusta A7168 VT2Pro	RR	VT2P	156 A			17.7 A			90 A			39 A-D			1		
Innvictis A1457 VT2P	RR	VT2P	156 A			17.0 A			85 A			36 FG			1		
Revere ZS1525 3220A	RR, LL	3220A	155 A			17.8 A			86 A			36 E-G			1		
Dyna-Gro D54VC34**	RR	VT2P	154 A	183 A	204 AB	17.3 A	17.3 A	17.3 A-C	90 A	97 AB	104 AB	40 A	41 AB	42 BC	2	0	0
AgriGold A646-30 VT2Pro	RR	VT2P	153 A			17.5 A			89 A			39 A-D			1		
Progeny 2215 VTRE	RR	TRE	150 A			17.6 A			88 A			38 A-E			0		
Progeny 2216 VT2P	RR	VT2P	148 A			17.2 A			84 A			35 G			0		
Spectrum 6416	None	None	147 A			18.3 A			86 A			37 C-G			1		
Progeny 2015 VT2P	RR	VT2P	143 A	174 A	191 C	17.6 A	17.2 A	17.1 BC	88 A	95 BC	100 CD	37 C-G	40 BC	41 BC	0	0	0
Average			157	183	204	17.5	17.3	17.4	87	95	101	37	40	42	1	0	0
Standard Error			22	37	19	0.7	0.6	0.6	7	10	7	4	5	4	0	0	0
L.S.D. _{.05}			N.S.	N.S.	8	N.S.	N.S.	0.4	N.S.	3	2	2	2	2	.	.	.
C.V.			17	12	11	8.3	6.1	5.7	7	6	5	10	9	9	.	.	.
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.

¶ Lodging values do not typically follow a normal distribution, therefore statistical tests to compute LSD were not performed and only mean values are reported.

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.