

Table A-1. Mean yield and agronomic traits of 21 early-season (<114 DAP) corn hybrids evaluated in small plot replicated trials with irrigation at the East Tennessee AgResearch and Education Center in Knoxville, 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
Spectrum 6228	None	None	214 A			17.0 A-E			114 A			48 A			0		
Warren Seed DS 4878*	RR, LL	HX1,YGCB	212 A	254 A		18.0 AB	17.3 BC		110 A	117 A		46 A	47 A		0	0	
Warren Seed DS 5383	RR, LL	HX1,YGCB	209 A			17.0 A-E			118 A			46 A			0		
Dyna-Gro D52VC63	RR	VT2P	206 A			17.0 A-E			117 A			48 A			3		
Revere 1398 VT2P	RR	VT2P	204 A	235 B-D	237 AB	17.9 A-C	17.4 AB	17.8 A	119 A	120 A	114 A	47 A	49 A	47 A	0	0	0
Warren Seed DS 5250*	RR, LL	HX1,YGCB	203 A	255 A		15.6 E	16.5 CD		119 A	124 A		49 A	50 A		0	0	
Dyna-Gro D50VC09	RR	VT2P	200 A	242 A-C		17.2 A-D	16.7 B-D		116 A	117 A		46 A	47 A		0	0	
Dyna-Gro D52DC82	RR	VT2P	198 A			17.9 A-C			116 A			46 A			0		
Revere 1307 TC	RR	TRE	198 A	247 AB	255 A	17.8 A-C	17.2 B-D	17.3 AB	118 A	118 A	113 A	47 A	49 A	46 A	1	1	0
Warren Seed DS 5018**	RR, LL	HX1,YGCB	196 A	240 A-D	242 AB	16.7 B-E	16.4 D	16.2 C	117 A	120 A	115 A	49 A	49 A	47 A	0	0	0
AgriGold A641-85 TRCRIB	RR	TRE	194 A			18.1 AB			121 A			50 A			1		
Progeny 1912 VT2P	RR	VT2P	194 A			16.7 B-E			117 A			46 A			1		
Progeny 2012 VT2P	RR	VT2P	191 A	223 D	226 B	16.9 B-E	16.8 B-D	17.1 B	112 A	119 A	114 A	45 A	48 A	44 A	0	0	0
Warren Seed DS 5095	RR, LL	HX1,YGCB	191 A			17.0 A-E			114 A			46 A			0		
AgriGold A643-52 VT2RIB	RR	VT2P	191 A			16.7 B-E			117 A			48 A			1		
Dekalb DKC59-82	RR	VT2P	184 A			16.2 DE			111 A			45 A			0		
Dyna-Gro D53TC23	RR	TRE	183 A			16.4 C-E			116 A			46 A			0		
Dekalb DKC62-89	RR	TRE	182 A	230 CD		17.3 A-D	17.1 B-D		112 A	117 A		46 A	47 A		0	0	
Dekalb DKC62-70	RR	VT2P	180 A	225 D		18.4 A	18.1 A		110 A	116 A		47 A	48 A		0	0	
Revere 0918 VT2P	RR	VT2P	178 A			18.1 AB			111 A			43 A			1		
Progeny 2008 VT2P	RR	VT2P	172 A			15.9 DE			109 A			44 A			0		
Average			194	239	240	17.1	17.1	17.1	115	119	114	47	48	46	0	0	0
Standard Error			10	43	23	0.6	0.4	0.3	3	4	6	2	2	3	0	0	0
L.S.D._{.05}			N.S.	17	19	1.5	0.8	0.6	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	.	.	.
C.V.			9	6	8	5.4	4.2	3.7	5	4	3	6	5	5	.	.	.

† 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.