

Table A-13. Mean yield and agronomic traits of 21 early-season (<114 DAP) corn hybrids evaluated in small plot replicated trials without irrigation at the Middle Tennessee AgResearch and Education Center in Spring Hill, 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 |
| Warren Seed DS 5250* | RR, LL | HX1,YGCB | 117 A | 143 A | | 15.8 A | 15.2 A | | 93 A | 97 A | | 37 A | 40 A | | 5 | 3 | |
| AgriGold A643-52 VT2RIB | RR | VT2P | 115 A | | | 14.9 A | | | 91 A | | | 38 A | | | 1 | | |
| Dyna-Gro D50VC09 | RR | VT2P | 114 A | 150 A | | 15.5 A | 14.9 A | | 92 A | 94 A | | 40 A | 41 A | | 8 | 4 | |
| Progeny 1912 VT2P | RR | VT2P | 109 A | | | 15.7 A | | | 90 A | | | 37 A | | | 16 | | |
| Warren Seed DS 4878* | RR, LL | HX1,YGCB | 107 A | 140 A | | 14.9 A | 14.6 A | | 85 A | 91 A | | 36 A | 39 A | | 7 | 3 | |
| AgriGold A641-85 TRCRIB | RR | TRE | 103 A | | | 14.5 A | | | 85 A | | | 36 A | | | 4 | | |
| Dekalb DKC59-82 | RR | VT2P | 102 A | | | 17.1 A | | | 87 A | | | 36 A | | | 8 | | |
| Dyna-Gro D53TC23 | RR | TRE | 100 A | | | 15.1 A | | | 89 A | | | 34 A | | | 2 | | |
| Progeny 2012 VT2P | RR | VT2P | 94 A | 121 A | 166 A | 15.7 A | 15.3 A | 15.2 A | 91 A | 92 A | 101 A | 38 A | 39 A | 41 A | 8 | 4 | 3 |
| Dekalb DKC62-70 | RR | VT2P | 94 A | 122 A | | 15.9 A | 15.9 A | | 83 A | 87 A | | 35 A | 37 A | | 4 | 2 | |
| Spectrum 6228 | None | None | 94 A | | | 14.6 A | | | 83 A | | | 32 A | | | 4 | | |
| Warren Seed DS 5018** | RR, LL | HX1,YGCB | 90 A | 137 A | 177 A | 15.3 A | 14.6 A | 14.6 A | 85 A | 89 A | 98 A | 34 A | 36 A | 39 A | 10 | 5 | 3 |
| Revere 1307 TC | RR | TRE | 89 A | 144 A | 179 A | 14.3 A | 14.5 A | 14.6 A | 86 A | 89 A | 97 A | 34 A | 38 A | 39 A | 8 | 4 | 3 |
| Progeny 2008 VT2P | RR | VT2P | 88 A | | | 15.8 A | | | 90 A | | | 37 A | | | 9 | | |
| Dekalb DKC62-89 | RR | TRE | 80 A | 112 A | | 13.9 A | 14.2 A | | 85 A | 89 A | | 34 A | 37 A | | 15 | 8 | |
| Warren Seed DS 5095 | RR, LL | HX1,YGCB | 72 A | | | 13.9 A | | | 89 A | | | 35 A | | | 14 | | |
| Revere 1398 VT2P | RR | VT2P | 71 A | 124 A | 163 A | 16.2 A | 15.7 A | 14.9 A | 87 A | 91 A | 100 A | 35 A | 39 A | 43 A | 6 | 3 | 2 |
| Revere 0918 VT2P | RR | VT2P | 70 A | | | 15.6 A | | | 81 A | | | 35 A | | | 4 | | |
| Warren Seed DS 5383 | RR, LL | HX1,YGCB | 68 A | | | 14.0 A | | | 79 A | | | 32 A | | | 5 | | |
| Dyna-Gro D52DC82 | RR | VT2P | 68 A | | | 15.4 A | | | 81 A | | | 33 A | | | 5 | | |
| Dyna-Gro D52VC63 | RR | VT2P | 60 A | | | 14.3 A | | | 83 A | | | 39 A | | | 7 | | |
| Average | | | 91 | 133 | 171 | 15.2 | 15.0 | 14.8 | 86 | 91 | 99 | 36 | 38 | 41 | 7 | 4 | 3 |
| Standard Error | | | 19 | 39 | 48 | 1.0 | 0.6 | 0.3 | 3 | 4 | 9 | 2 | 3 | 3 | 5 | 3 | 2 |
| L.S.D._{.05} | | | N.S. | N.S. | N.S. | N.S. | N.S. | N.S. | N.S. | N.S. | N.S. | N.S. | N.S. | N.S. | . | . | . |
| C.V. | | | 31 | 20 | 17 | 11.3 | 8.7 | 5.3 | 7 | 6 | 4 | 11 | 8 | 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.

¶ 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.