

Table A-12. Mean[†] yield and agronomic traits of eight Maturity Group V (5.0 - 5.9) soybean varieties evaluated in small plot replicated trials at the Highland Rim AgResearch and Education Center - Irrigated Trial in Springfield, Tennessee during 2024.

Variety	Herbicide Pkg [†]	Avg. Yield [§] (bu/ac)	Moisture at Harvest (%)	Maturity (DAP)	Plant Height (in.)	Lodging ^{††} (1-5)
Pioneer P50Z95E	E3	69 A	10.2 C	134 C	37 BC	1.0
Pioneer P53Z60LX	RR2X/LL	68 AB	13.6 AB	139 A	33 C	1.0
MO S20-13179LL55	LL	61 A-C	13.4 BC	138 AB	43 A	1.0
USG 7534GT	GT	56 BC	10.8 BC	134 C	40 AB	1.0
Progeny 5056XFS	XFS	52 C	11.0 BC	134 C	43 A	1.0
MO S20-4428	Conv	49 C	9.9 C	138 AB	41 AB	1.0
USG 7543XF	XF	47 C	17.0 A	140 A	40 AB	1.0
MO S20-1492	Conv	47 C	10.5 BC	136 BC	36 BC	1.0
Average		56	12.0	137	39	1.0
Standard Error		7	1.3	1	3	-
L.S.D. _{.05}		13	3.2	3	5	-
C.V.		13	15	1	8	-

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.

- Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

- C.V. is only reported for variables evaluated on a ratio scale.

- L.S.D. values are given for ANOVA that were significant at P<0.05. Variables in which minimal variation was observed were not subjected to ANOVA and are reported as N.S.

‡ For a full description of abbreviated biotech traits, see table 23.

* Asterisks after a name indicate the number of preceding consecutive years in the top-performing "A" group.

§ All yields are adjusted to 13% moisture.

†† Lodging was evaluated on a scale of 1 (no lodging) to 5 (complete lodging).