

Table A-16. 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 - Non-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	27 A	11.8 B	134 CD	30 A	1.0
Pioneer P53Z60LX	RR2X/LL	24 AB	11.5 B	138 A	26 A	1.0
MO S20-13179LL55	LL	22 BC	11.9 B	138 AB	26 A	1.0
USG 7543XF	XF	18 CD	14.1 A	138 AB	26 A	1.0
MO S20-1492	Conv	17 D	12.6 AB	136 A-C	26 A	1.0
USG 7534GT	GT	17 D	14.1 A	136 B-D	30 A	1.0
Progeny 5056XFS	XFS	16 D	14.2 A	134 D	28 A	1.0
MO S20-4428	Conv	16 D	10.9 B	134 CD	29 A	1.0
Average		20	12.7	136	28	1.0
Standard Error		2	0.6	1	2	-
L.S.D. _{.05}		4	1.8	2	N.S.	-
C.V.		13	8	1	11	-

† 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).