

Table A-20. Mean[†] yield and agronomic traits of eight Maturity Group V (5.0 - 5.9) soybean varieties evaluated in small plot replicated trials at the Middle Tennessee AgResearch and Education Center - Non-Irrigated Trial in Spring Hill, Tennessee during 2024.

Variety	Herbicide Pkg [†]	Avg. Yield [§] (bu/ac)	Moisture at Harvest (%)	Maturity (DAP)	Plant Height (in.)	Lodging ^{††} (1-5)
Pioneer P53Z60LX	RR2X/LL	51 A	10.1 D	141 BC	28 D	1.0
USG 7543XF	XF	50 A	17.4 A	153 A	34 AB	1.0
MO S20-1492	Conv	46 A	11.0 B-	139 C	30 CD	1.0
Progeny 5056XFS	XFS	45 A	11.5 B	140 BC	33 BC	1.0
MO S20-4428	Conv	45 A	10.6 B-	139 C	34 AB	1.0
Pioneer P50Z95E	E3	44 A	10.3 CD	139 C	28 D	1.0
USG 7534GT	GT	42 A	11.2 BC	143 BC	35 AB	1.0
MO S20-13179LL55	LL	41 A	10.5 CD	144 B	37 A	1.0
Average		45	11.6	142	32	1.0
Standard Error		3	0.3	2	1	-
L.S.D. _{.05}		N.S.	1.0	5	4	-
C.V.		11	5	2	7	-

† 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).