Table A-4. Mean[†] yield and agronomic traits of eight Maturity Group V (5.0 - 5.9) soybean varieties evaluated in small plot replicated trials at the Northeast Tennessee AgResearch and Education Center in Greeneville, Tennessee during 2024.

Variety	Herbicide Pkg[†]	Avg. Yield[§] (bu/ac)	Moisture at Harvest (%)	Maturity (DAP)	Plant Height (in.)	Lodging[††] (1-5)
Progeny 5056XFS	XFS	54 A	13.3 BC	147 A	34 BC	1.5
Pioneer P53Z60LX	RR2X/LL	53 A	14.0 BC	147 A	31 CD	1.5
USG 7534GT	GT	52 A	12.9 BC	141 B	34 BC	1.0
MO S20-4428	Conv	51 A	15.3 B	148 A	37 B	1.7
MO S20-13179LL55	LL	51 A	15.6 B	148 A	43 A	2.0
MO S20-1492	Conv	50 A	13.8 BC	147 A	35 BC	1.3
Pioneer P50Z95E	E3	47 A	11.9 C	142 B	28 D	1.0
USG 7543XF	XF	45 A	26.7 A	148 A	34 BC	1.3
Average		50	15.4	146	34	1.4
Standard Error		2	0.9	1	2	0.2
L.S.D..05		N.S.	2.8	2	5	N.S.
C.V.		7	10	1	9	-

† 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 highted 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 signficant 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 a scale of 1 (no lodging) to 5 (complete lodging).