

Table A-24. Mean[†] yield and agronomic traits of eight Maturity Group V (5.0 - 5.9) soybean varieties evaluated in small plot replicated trials at the Milan AgResearch and Education Center - Irrigated Trial in Milan, Tennessee during 2024.

Variety	Herbicide Pkg [†]	Avg. Yield [§] (bu/ac)	Moisture at Harvest (%)	Maturity (DAP)	Plant Height (in.)	Lodging ^{††} (1-5)
Pioneer P50Z95E	E3	72 A	11.4 CD	149 B	37 CD	1.7
Pioneer P53Z60LX	RR2X/LL	65 AB	11.8 CD	147 BC	34 D	1.0
USG 7543XF	XF	64 AB	12.1 BC	154 A	43 A	2.0
Progeny 5056XFS	XFS	59 BC	12.0 CD	153 A	42 AB	2.3
MO S20-13179LL55	LL	57 BC	11.6 CD	142 D	45 A	2.0
MO S20-1492	Conv	55 CD	11.3 D	145 CD	35 D	1.0
USG 7534GT	GT	53 CD	12.8 AB	143 D	42 AB	3.3
MO S20-4428	Conv	47 D	12.9 A	156 A	39 BC	1.3
Average		59	12.0	149	40	1.8
Standard Error		4	0.3	1	1	0.5
L.S.D. _{.05}		9	0.8	3	4	-
C.V.		8	4	1	6	-

† 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).