Table 5. Mean[†] yield and agronomic traits of eight Maturity Group III (3.0 - 3.9) soybean varieties evaluated in small plot replicated trials at nine AgResearch and Education Center locations in Tennessee during 2024.

Variety	Herbicide Pkg[†]	Avg. Yield[§] (bu/ac)	Moisture at Harvest (%)	Maturity (DAP)	Plant Height (in.)	Lodging[††] (1-5)
Dyna-Gro S38EN75	E3	56 A	12.3 A	121 BC	32 CD	1.0
Xitavo XO 3855E	E3	54 AB	12.4 A	121 B	30 E	1.0
Innvictis A3974XF	XF	52 B	12.2 A	124 A	38 A	1.0
Pioneer P38Z63E	E3	52 B	12.1 A	119 DE	31 D	1.0
Benson Hill C38H052s	Conv	51 BC	11.9 A	122 B	30 E	1.0
Xitavo XO 3795E	E3	51 BC	12.0 A	121 BC	35 B	1.0
Benson Hill N35D950S	Conv	50 BC	12.1 A	118 E	32 D	1.0
Benson Hill BX37Q467	Conv	48 C	12.2 A	120 CD	33 C	1.0
Average		52	12.2	121	33	1.0
Standard Error		9	0.5	2	2	-
L.S.D..05		4	N.S.	1	2	-
C.V.		10	8	2	6	-
Site-Years		5	5	5	5	5

† 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).
Knoxville excluded due to equipment failure. Memphis excluded due to late harvest. Spring Hill and Jackson excluded due to high trial