

**Table A-25. Mean<sup>†</sup> yield and agronomic traits of eight Maturity Group III (3.0 - 3.9) soybean varieties evaluated in small plot replicated trials at the Milan Rim AgResearch and Education Center - Non-Irrigated Trial in Milan, Tennessee during 2024.**

Variety	Herbicide Pkg <sup>†</sup>	Avg. Yield <sup>§</sup> (bu/ac)	Moisture at Harvest (%)	Maturity (DAP)	Plant Height (in.)	Lodging <sup>††</sup> (1-5)
Dyna-Gro S38EN75	E3	53 A	12.3 A	119 B	35 CD	1.0
Xitavo XO 3795E	E3	49 A	12.0 A	121 B	38 B	1.0
Xitavo XO 3855E	E3	47 A	12.0 A	120 B	33 D	1.0
Pioneer P38Z63E	E3	47 A	12.9 A	119 B	34 D	1.0
Innvictis A3974XF	XF	46 A	12.7 A	125 A	44 A	1.0
Benson Hill C38H052s	Conv	45 A	12.1 A	121 B	33 D	1.0
Benson Hill BX37Q467	Conv	45 A	12.3 A	118 B	38 BC	1.0
Benson Hill N35D950S	Conv	43 A	11.7 A	119 B	34 D	1.0
Average		47	12.2	120	36	1.0
Standard Error		4	0.3	1	1	-
L.S.D. <sub>.05</sub>		N.S.	N.S.	3	3	-
C.V.		14	5	1	4	-

† 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).