Table A-13. Mean† yield and agronomic traits of eight Maturity Group III (3.0 - 3.9) soybean varieties evaluated in small plot replicated trials at the Highland Rim AgResearch and Education Center - Non-Irrigated Trial in Springfield, Tennessee during 2024.

Variety	Herbicide Pkg†	Avg. Yield§ (bu/ac)	Moisture at Harvest (%)	Maturity (DAP)	Plant Height (in.)	Lodging†† (1-5)
Innvictis A3974XF	XF	21 A	11.6 A	121 A	30 A	1.0
Benson Hill C38H052s	Conv	21 A	11.4 A	119 AB	26 A	1.0
Xitavo XO 3855E	E3	20 A	11.8 A	117 B-D	27 A	1.0
Pioneer P38Z63E	E3	19 A	11.9 A	115 D	26 A	1.0
Dyna-Gro S38EN75	E3	19 A	11.1 A	117 B-D	28 A	1.0
Benson Hill BX37Q467	Conv	18 A	11.9 A	118 BC	27 A	1.0
Benson Hill N35D950S	Conv	17 A	11.9 A	116 D	25 A	1.0
Xitavo XO 3795E	E3	17 A	11.6 A	116 CD	32 A	1.0
Average		**19**	**11.7**	**117**	**27**	**1.0**
Standard Error		**2**	**0.2**	**1**	**1**	**-**
L.S.D.$_{.05}$		**N.S.**	**N.S.**	**2**	**N.S.**	**-**
C.V.		**13**	**4**	**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.
- T Indicate data that were log transformed to meet assumptions of normality, raw means are reported and mean separation letters are given. L.S.D values are not reported as these would be relative to transformed mean values.
‡ 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).