

**Table 6. Mean<sup>†</sup> yields across and by location of eight Maturity Group III (3.0 - 3.9) soybean varieties evaluated in replicated small plot trials at nine AgResearch and Education Center locations in Tennessee during 2024.**

Variety	Herbicide Pkg <sup>†</sup>	Avg. Yield <sup>§</sup> (bu/ac)	Greeneville Non-Irr. (bu/ac)	Springfield Irr. (bu/ac)	Springfield Non-Irr. (bu/ac)	Milan Irr. (bu/ac)	Milan Non-Irr. (bu/ac)
Dyna-Gro S38EN75	E3	56 A	84 A	59 AB	19 A	66 A	53 A
Xitavo XO 3855E	E3	54 AB	73 A	62 A	20 A	66 A	47 A
Innvictis A3974XF	XF	52 B	74 A	56 BC	21 A	64 A	46 A
Pioneer P38Z63E	E3	52 B	70 A	59 AB	19 A	64 A	47 A
Benson Hill C38H052s	Conv	51 BC	74 A	60 AB	21 A	55 A	45 A
Xitavo XO 3795E	E3	51 BC	74 A	51 C	17 A	62 A	49 A
Benson Hill N35D950S	Conv	50 BC	77 A	56 BC	17 A	60 A	43 A
Benson Hill BX37Q467	Conv	48 C	67 A	52 C	18 A	56 A	45 A
<b>Average</b>		52	74	57	19	61	47
<b>Standard Error</b>		9	4	2	2	3	4
<b>L.S.D.<sub>.05</sub></b>		4	N.S.	5	N.S.	N.S.	N.S.
<b>C.V.</b>		10	8	5	13	7	14

† 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.

\* Asterisks after a name indicate the number of preceding consecutive years in the top-performing "A" group.

‡ For a full description of abbreviated biotech traits, see table 23.

§ All yields are adjusted to 13% moisture.

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