

**Table A-2. Mean<sup>†</sup> yield and agronomic traits of 24 Maturity Group IV Early (4.0 - 4.5) soybean varieties evaluated in small plot replicated trials at the Northeast Tennessee AgResearch and Education Center in Greeneville, 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 S45EN25	E3	85 A	13.9 AB	135 B-D	38 B-D	1.8
Asgrow AG44XF4	XFS	83 AB	12.6 C-E	136 BC	34 G-K	1.0
Benson Hill C44H054S	Conv	80 A-C	12.1 E	134 C-E	31 KL	1.0
Xitavo XO 4364E	E3	80 A-C	13.1 B-E	131 EF	34 G-K	1.0
Xitavo XO 4405E	E3	79 A-C	12.5 C-E	138 B	34 F-J	1.0
Pioneer P43Z44SE	E3S	79 A-C	12.8 B-E	132 D-F	32 JK	1.0
Dyna-Gro S43XF85S	XFS	78 A-D	12.3 DE	136 BC	35 E-H	1.0
MO S20-2227	Conv	77 A-D	13.8 A-C	131 EF	36 D-G	1.0
Innvictis A4102XF	XF	77 A-D	13.5 B-D	133 C-F	35 E-H	1.3
Pioneer P41Z80BLX	E3S-Bolt	77 A-D	12.8 B-E	130 F	40 AB	1.3
Revere 44-F44	XF	76 A-D	12.1 E	136 B-D	37 C-F	1.0
Great Heart GT4538XFS	RR/LL-Synchrony	76 A-D	13.5 B-D	136 BC	42 A	1.3
Innvictis A4564XF	XF	76 A-D	13.5 B-D	130 F	39 A-C	1.3
MO S20-5669	Conv	76 A-D	12.7 B-E	138 B	34 G-K	1.0
Dyna-Gro S41EN72	E3	75 B-D	12.8 B-E	130 F	32 I-K	1.2
Benson Hill N44D923S	Conv	74 B-E	14.0 AB	130 EF	36 D-H	1.0
Asgrow AG42XF4	XF	74 B-F	12.1 E	135 B-D	36 D-G	1.0
Innvictis A4411XF	XF	73 C-F	13.9 AB	136 BC	38 B-D	1.3
Pioneer P45Z75E	E3	72 C-F	12.9 B-E	131 EF	37 B-E	1.2
Xitavo XO 4255E	E3	72 C-F	12.7 B-E	137 BC	29 L	1.0
MO S20-14129GT	RR	71 C-F	13.5 B-D	136 B-D	38 B-E	1.3
USG 7435XFS	XFS	69 D-F	13.5 B-D	138 B	35 E-I	1.2
Benson Hill BH43Q207	Conv	65 EF	13.1 B-E	131 EF	33 H-K	1.0
MO S20-15411GT	RR	64 F	15.0 A	142 A	37 C-F	2.3
<b>Average</b>		75	13.1	134	36	1.2
<b>Standard Error</b>		5	0.5	1	1	0.1
<b>L.S.D.<sub>.05</sub></b>		10	1.4	4	3	-
<b>C.V.</b>		8	6	2	5	-

<sup>†</sup> 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 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.