Table 8. Mean[†] yields across and by location of 24 Maturity Group IV Early (4.0 - 4.5) soybean varieties evaluated in replicated small plot trials at nine AgResearch and Education Center locations in Tennessee during 2024.

Variety	Herbicide Pkg†	Avg. Yield§ (bu/ac)	Greeneville Non-Irr. (bu/ac)	Springfield Irr. (bu/ac)	Springfield Non-Irr. (bu/ac)	Spring Hill Non-Irr. (bu/ac)	Milan Irr. (bu/ac)	Milan Non-Irr. (bu/ac)	Jackson Non-Irr. (bu/ac)
Pioneer P45Z75E	E3	58 A	72 C-F	63 A	20 C-E	60 A	82 A	55 A	60 A
Innvictis A4564XF	XF	56 AB	76 A-D	59 A-D	26 A	52 A-F	74 A-C	55 A	50 A
Great Heart GT4538XFS	RR/LL-Synchrony	56 AB	76 A-D	63 AB	22 A-C	56 A-C	67 C-F	55 A	52 A
Dyna-Gro S41EN72	E3	56 A-C	75 B-D	62 AB	20 C-E	52 A-F	78 AB	58 A	45 A
Pioneer P43Z44SE	E3S	55 A-D	79 A-C	58 A-E	22 A-C	54 A-E	69 C-F	54 A	50 A
Revere 44-F44	XF	55 A-E	76 A-D	57 A-F	24 A-C	51 A-F	71 B-E	55 A	48 A
Asgrow AG42XF4	XF	54 A-F	74 B-F	56 B-F	26 AB	50 A-F	67 C-F	58 A	46 A
Asgrow AG44XF4	XFS	53 B-G	83 AB	56 A-F	19 C-E	43 D-H	68 C-F	59 A	44 A
Innvictis A4102XF	XF	53 B-G	77 A-D	52 D-H	22 A-C	58 AB	65 C-F	50 A	47 A
Xitavo XO 4405E	E3	53 B-G	79 A-C	52 E-H	21 B-D	55 A-D	72 B-D	51 A	42 A
USG 7435XFS	XFS	53 B-G	69 D-F	60 A-C	22 A-C	52 A-F	68 C-F	49 A	51 A
Dyna-Gro S43XF85S	XFS	53 B-G	78 A-D	52 D-H	23 A-C	45 C-H	66 C-F	62 A	43 A
Dyna-Gro S45EN25	E3	52 B-G	85 A	60 AB	19 C-E	47 B-G	67 C-F	50 A	38 A
Xitavo XO 4364E	E3	52 C-G	80 A-C	52 D-H	19 C-E	34 H	73 A-C	62 A	43 A
Innvictis A4411XF	XF	51 D-H	73 C-F	48 GH	20 C-E	49 A-G	68 C-F	56 A	46 A
Pioneer P41Z80BLX	E3S-Bolt	51 E-H	77 A-D	57 A-F	23 A-C	37 GH	71 B-E	50 A	42 A
MO S20-2227	Conv	51 E-H	77 A-D	57 A-F	23 A-C	43 D-H	62 EF	54 A	38 A
MO S20-15411GT	RR	50 F-H	64 F	53 C-G	20 B-E	42 F-H	66 C-F	58 A	49 A
Xitavo XO 4255E	E3	50 F-H	72 C-F	56 B-F	22 A-C	45 C-H	67 C-F	52 A	36 A
Benson Hill N44D923S	Conv	50 F-H	74 B-E	51 F-H	19 C-E	42 E-H	66 C-F	55 A	42 A
MO S20-5669	Conv	50 GH	76 A-D	45 H	20 C-E	45 C-H	66 C-F	46 A	48 A
Benson Hill C44H054S	Conv	50 GH	80 A-C	50 F-H	16 DE	37 GH	69 C-F	50 A	45 A
MO S20-14129GT	RR	49 GH	71 C-F	48 GH	15 E	57 A-C	63 D-F	52 A	39 A
Benson Hill BH43Q207	Conv	47 H	65 EF	51 F-H	24 A-C	41 F-H	61 F	48 A	43 A
Average		52	75	55	21	48	69	54	45
Standard Error		7	5	3	2	5	4	5	6
L.S.D..05		4	10	7	5	12	9	N.S.	N.S.
C.V.		13	8	8	15	16	8	14	13

† 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.