

**Table A-3. Mean<sup>†</sup> yield and agronomic traits of 40 Maturity Group IV Late (4.6 - 4.9) 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)
Asgrow AG49XF4	XFS	78 A	12.4 A-G	137 A	35 A-F	1.3
USG 7461XFS	XFS	73 A	11.9 B-K	139 A	38 AB	1.2
Progeny 4623XF	XF	72 A	11.6 D-K	135 A	36 A-E	1.0
Donmario DM48F53	XF	70 A	11.9 A-K	139 A	28 HI	1.0
Dyna-Gro S49XF43S	XFS	70 A	11.5 G-K	141 A	31 E-I	1.3
CNI Integra XF4875S	XF	70 A	12.8 A	139 A	36 A-E	1.2
Xitavo XO 4894E	E3	69 A	12.7 A-C	140 A	35 A-F	1.2
Revere 49-F36	XF	69 A	12.1 A-J	142 A	37 A-D	1.5
Progeny 4947XFS	XFS	68 A	12.7 AB	137 A	38 A	1.2
Pioneer P47Z15BE	E3S-Bolt	68 A	11.3 I-K	135 A	34 A-G	1.0
Pioneer P49Z02E	E3	67 A	11.7 D-K	140 A	32 D-I	1.0
Pioneer P48Z70BLX	E3S-Bolt	67 A	12.2 A-I	138 A	38 AB	1.2
Progeny 4604XFS	XFS	67 A	11.9 B-K	137 A	35 A-F	1.2
Great Heart GT4756XF	RR/LL	66 A	11.9 A-K	136 A	32 B-I	1.0
Innvictis A4924XF	XF	66 A	11.3 JK	139 A	32 B-I	1.0
USG 7495XFS	XFS	66 A	12.3 A-G	140 A	37 A-C	1.3
Pioneer P46Z53E	E3	65 A	12.0 A-K	134 A	30 G-I	1.0
Innvictis A4814XF	XF	65 A	11.6 D-K	140 A	30 F-I	1.0
Progeny 4775E3S	E3S	65 A	12.4 A-F	137 A	37 A-D	1.3
USG 7485ETS	E3S	64 A	12.1 A-J	139 A	33 A-I	1.0
Xitavo XO 4772E	E3	64 A	12.0 A-K	139 A	32 D-I	1.0
MO S20-7117	Conv	63 A	12.1 A-K	137 A	32 D-I	1.2
Progeny 4691XFS	XFS	63 A	12.2 A-J	137 A	38 AB	1.0
CNI Integra XF4634S	XF	61 A	12.0 A-K	138 A	35 A-F	1.0
USG 7463XF	XF	61 A	12.2 A-H	134 A	32 C-I	1.0
Progeny 4798XF	XF	61 A	12.4 A-E	140 A	34 A-G	1.5
Revere 47-F77	XF	61 A	11.7 D-K	138 A	34 A-G	1.0
Innvictis A4664XF	XF	61 A	11.2 K	133 A	29 G-I	1.0
USG 7494ETS	E3S	61 A	11.6 D-K	136 A	32 B-I	1.0
CNI Fortus 4655ES	E3	60 A	12.4 A-F	135 A	32 B-I	1.2
Donmario DM46F54S	XF	60 A	11.5 E-K	130 A	33 A-I	1.2
Progeny 4806XFS	XFS	60 A	11.7 D-K	137 A	31 E-I	1.0
USG 7474XFS	XFS	58 A	11.6 D-K	138 A	32 D-I	1.0
Revere 4826XFS	XFS	58 A	11.9 B-K	137 A	30 F-I	1.0
Innvictis A4862XF	XF	58 A	11.8 C-K	135 A	33 A-I	1.3
Dyna-Gro S48XF35	XF	56 A	11.3 H-K	137 A	28 I	1.0
Pioneer P46A90LX	RR2X/LL	56 A	12.5 A-D	136 A	31 E-I	1.0
Progeny 4999E3S	E3S	55 A	11.9 A-K	139 A	33 A-H	1.0
Dyna-Gro S47XF23S	XFS	55 A	11.5 F-K	137 A	32 C-I	1.0
Progeny 4848XF	XF	54 A	11.6 D-K	134 A	31 E-I	1.0
Average		64	11.9	137	33	1.1
Standard Error		6	0.3	2	2	0.1
L.S.D. <sub>.05</sub>		N.S.	0.9	4	5	-
C.V.		14	5	2	10	-

† 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.  
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 scale of 1 (no lodging) to 5 (complete lodging).