

**Table A-27. 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 Milan Rim AgResearch and Education Center - Non-Irrigated Trial in Milan, 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)
Revere 49-F36	XF	61 A	11.1 B-F	145 A	42 A-C	1.7
CNI Integra XF4875S	XF	60 A	10.9 B-H	149 A	40 B-E	1.7
Progeny 4691XFS	XFS	60 AB	11.1 B-F	141 A	38 E-I	1.3
Pioneer P47Z15BE	E3S-Bolt	60 AB	10.5 E-J	134 A	39 C-F	1.0
Pioneer P49Z02E	E3	60 AB	11.1 B-F	140 A	36 G-L	1.0
Donmarrio DM48F53	XF	59 AB	10.2 I-K	140 A	32 M	1.0
Dyna-Gro S48XF35	XF	59 AB	10.5 F-J	145 A	35 H-L	1.0
USG 7494ETS	E3S	58 A-C	11.2 A-E	138 A	41 B-E	1.3
Progeny 4947XFS	XFS	57 A-C	11.0 B-G	149 A	39 C-F	1.3
Revere 4826XFS	XFS	57 A-D	10.3 G-K	137 A	39 C-F	1.3
Pioneer P48Z70BLX	E3S-Bolt	57 A-D	10.3 G-K	140 A	45 A	1.3
CNI Integra XF4634S	XF	57 A-D	10.6 E-J	137 A	42 A-C	1.3
Pioneer P46A90LX	RR2X/LL	57 A-D	11.0 B-G	137 A	39 C-F	1.0
Xitavo XO 4772E	E3	57 A-D	10.9 B-I	140 A	35 I-L	1.0
Progeny 4999E3S	E3S	56 A-D	10.7 D-J	140 A	38 E-I	1.0
Dyna-Gro S49XF43S	XFS	56 A-D	10.2 I-K	144 A	34 J-M	1.3
Revere 47-F77	XF	56 A-D	10.7 C-J	139 A	43 AB	2.0
USG 7474XFS	XFS	56 A-E	10.5 E-J	138 A	38 E-I	1.3
USG 7463XF	XF	56 A-E	11.4 A-D	137 A	39 C-F	1.3
Donmarrio DM46F54S	XF	56 A-E	11.4 A-D	136 A	39 D-G	1.3
Progeny 4798XF	XF	55 A-E	10.7 C-J	146 A	37 F-J	1.7
USG 7485ETS	E3S	55 A-E	10.8 C-J	138 A	39 D-G	1.7
USG 7495XFS	XFS	55 A-E	10.6 E-J	146 A	40 B-E	2.3
Asgrow AG49XF4	XFS	55 A-E	10.3 G-K	140 A	38 D-H	1.3
Progeny 4848XF	XF	55 A-E	11.0 B-G	141 A	38 E-I	1.0
Dyna-Gro S47XF23S	XFS	55 A-E	10.1 J-K	139 A	40 B-E	2.0
Progeny 4604XFS	XFS	54 A-E	10.8 C-J	140 A	43 AB	1.7
USG 7461XFS	XFS	54 A-E	10.3 G-K	139 A	39 C-F	1.3
Great Heart GT4756XF	RR/LL	53 A-E	9.7 K	138 A	37 F-K	1.0
Pioneer P46Z53E	E3	53 A-E	11.9 A	137 A	36 F-K	1.0
CNI Fortus 4655ES	E3	52 A-E	11.4 A-C	134 A	37 F-K	1.0
MO S20-7117	Conv	52 A-E	11.6 AB	139 A	37 F-J	1.3
Innvictis A4862XF	XF	51 A-E	10.4 F-K	145 A	38 E-I	1.3
Xitavo XO 4894E	E3	50 B-E	10.7 C-J	138 A	41 B-D	1.0
Innvictis A4664XF	XF	50 B-E	10.8 C-J	135 A	36 F-K	1.0
Progeny 4806XFS	XFS	49 A-E	10.5 E-J	143 A	33 LM	1.3
Innvictis A4814XF	XF	48 C-E	10.4 F-J	147 A	35 H-L	1.0
Progeny 4623XF	XF	46 D-F	10.5 E-J	145 A	34 K-M	1.3
Innvictis A4924XF	XF	46 EF	10.2 H-K	144 A	36 G-L	1.0
Progeny 4775E3S	E3S	37 F	11.4 A-D	141 A	36 G-L	2.0
Average		54	10.7	141	38	1.3
Standard Error		4	0.3	2	1	0.3
L.S.D. <sub>.05</sub>		11	0.8	5	3	-
C.V.		12	4	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 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.

‡ 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).