

Table A-23. Mean[†] 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 AgResearch and Education Center - Irrigated Trial in Milan, Tennessee during 2024.

Variety	Herbicide Pkg [†]	Avg. Yield [§] (bu/ac)	Moisture at Harvest (%)	Maturity (DAP)	Plant Height (in.)	Lodging ^{††} (1-5)
Pioneer P49Z02E	E3	75 A	9.9 A-H	148 A	36 K-M	1.3
Pioneer P47Z15BE	E3S-Bolt	75 AB	8.8 IJ	136 L-N	39 F-K	1.7
Dyna-Gro S49XF43S	XFS	74 AB	9.9 B-F	145 A-D	37 J-M	2.7
Pioneer P46A90LX	RR2X/LL	74 AB	10.3 A-D	139 G-M	42 B-F	2.7
USG 7495XFS	XFS	72 A-D	9.7 B-J	143 B-G	44 A-E	3.0
Progeny 4691XFS	XFS	72 A-C	10.1 A-E	142 D-H	46 AB	2.3
Progeny 4947XFS	XFS	71 A-E	10.5 A-C	147 A-C	41 C-I	1.3
Asgrow AG49XF4	XFS	71 A-D	10.4 A-C	140 F-K	42 C-G	1.3
Donmarion DM48F53	XF	71 A-D	9.2 F-J	142 D-H	34 M	1.3
CNI Fortus 4655ES	E3	70 A-E	9.8 B-I	140 F-L	37 J-M	1.3
CNI Integra XF4875S	XF	70 A-F	10.4 AB	145 A-E	42 C-G	2.0
Innvictis A4664XF	XF	70 A-F	9.7 B-I	136 MN	40 E-J	2.0
Pioneer P48Z70BLX	E3S-Bolt	70 A-H	9.1 E-J	139 F-L	47 A	2.3
Revere 47-F77	XF	69 A-F	9.4 E-J	140 F-L	44 A-D	2.3
USG 7494ETS	E3S	69 A-G	10.8 A	142 D-H	40 E-J	1.7
Innvictis A4862XF	XF	69 A-G	9.6 B-J	143 C-F	36 K-M	1.3
Innvictis A4924XF	XF	69 A-H	10.0 B-F	142 D-H	38 I-L	1.3
Progeny 4999E3S	E3S	68 A-I	9.4 D-J	143 C-F	41 D-I	1.7
Xitavo XO 4894E	E3	68 A-I	10.1 A-F	141 F-J	41 C-H	2.3
Revere 49-F36	XF	67 A-I	10.0 A-F	147 AB	45 A-C	2.7
Progeny 4623XF	XF	67 A-I	9.6 B-J	142 D-H	39 F-K	1.3
Innvictis A4814XF	XF	67 A-I	9.7 B-I	145 A-E	37 J-M	1.0
Xitavo XO 4772E	E3	67 A-I	9.7 B-J	142 D-J	38 H-L	2.0
Pioneer P46Z53E	E3	67 A-I	10.0 B-F	136 L-N	37 J-M	1.0
Revere 4826XFS	XFS	66 A-I	9.6 C-J	141 F-J	39 G-K	2.0
Progeny 4806XFS	XFS	66 A-I	9.5 B-J	148 A	40 E-K	1.3
USG 7463XF	XF	66 B-I	9.6 B-J	138 J-M	40 E-J	1.0
Progeny 4604XFS	XFS	64 C-J	9.1 G-J	142 D-H	44 A-D	1.7
USG 7485ETS	E3S	64 C-J	9.4 D-J	141 F-J	38 I-L	2.7
Great Heart GT4756XF	RR/LL	64 C-J	9.4 E-J	140 F-L	40 E-J	3.3
Donmarion DM46F54S	XF	64 C-J	10.1 A-F	134 N	42 C-H	3.0
Dyna-Gro S47XF23S	XFS	64 C-J	8.8 J	140 F-K	41 D-I	1.7
USG 7461XFS	XFS	63 C-J	9.5 B-J	142 E-I	42 C-I	1.3
Dyna-Gro S48XF35	XF	63 D-J	9.0 G-J	145 A-E	35 LM	1.0
USG 7474XFS	XFS	62 E-J	9.7 B-I	142 E-I	37 J-M	1.7
Progeny 4798XF	XF	61 F-J	9.4 E-J	143 C-F	41 D-I	1.3
Progeny 4848XF	XF	61 G-J	9.4 E-J	137 K-N	38 I-L	1.0
CNI Integra XF4634S	XF	60 IJ	8.9 H-J	139 I-M	40 E-J	1.3
MO S20-7117	Conv	59 H-J	9.9 A-I	140 F-L	42 C-I	1.3
Progeny 4775E3S	E3S	55 J	9.9 A-G	139 H-M	41 D-J	1.3
Average		67	9.7	141	40	1.8
Standard Error		3	0.3	1	1	0.5
L.S.D. _{.05}		9	0.9	4	4	-
C.V.		8	5	2	5	-

[†] 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).