

Table A-15. 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 Highland Rim AgResearch and Education Center - Non-Irrigated Trial in Springfield, Tennessee during 2024.

Variety	Herbicide Pkg [†]	Avg. Yield [§] (bu/ac)	Moisture at Harvest (%)	Maturity (DAP)	Plant Height (in.)	Lodging ^{††} (1-5)
CNI Integra XF4875S	XF	24 A	12.9 B-J	134 A	29 A-E	1.0
USG 7494ETS	E3S	23 AB	12.7 D-K	130 E-I	28 C-H	1.0
Pioneer P49Z02E	E3	23 A-C	12.0 H-L	128 I	26 E-K	1.0
USG 7461XFS	XFS	22 A-D	13.2 A-H	131 C-H	33 A	1.0
Pioneer P48Z70BLX	E3S-Bolt	22 A-E	11.8 J-L	132 B-E	31 A-C	1.0
CNI Integra XF4634S	XF	21 A-F	12.1 H-L	132 B-E	32 AB	1.0
USG 7485ETS	E3S	21 A-F	10.9 LM	130 D-I	33 A	1.0
Progeny 4775E3S	E3S	21 A-J	13.2 A-K	132 B-E	25 F-K	1.0
Innvictis A4862XF	XF	21 A-I	12.5 E-K	132 A-D	27 D-K	1.0
Revere 49-F36	XF	21 A-G	14.1 AB	134 A	28 B-G	1.0
Revere 47-F77	XF	20 A-G	11.9 I-L	132 B-E	28 B-G	1.0
Progeny 4691XFS	XFS	20 A-H	12.6 E-K	131 C-H	30 A-D	1.0
Xitavo XO 4894E	E3	18 A-J	13.0 A-K	129 G-I	30 A-D	1.0
Progeny 4604XFS	XFS	18 B-J	13.9 A-D	133 A-C	29 A-E	1.0
Dyna-Gro S49XF43S	XFS	18 B-J	13.2 A-H	133 A-C	24 I-K	1.0
Progeny 4806XFS	XFS	18 A-J	12.8 B-K	133 AB	27 D-K	1.0
Great Heart GT4756XF	RR/LL	18 B-J	12.4 E-K	131 C-H	26 E-K	1.0
Innvictis A4664XF	XF	18 D-J	13.7 A-E	129 HI	24 I-K	1.0
Progeny 4798XF	XF	18 D-J	12.4 E-K	131 B-G	27 D-J	1.0
USG 7474XFS	XFS	17 B-J	12.9 A-K	133 AB	26 E-K	1.0
Pioneer P46A90LX	RR2X/LL	17 D-J	13.4 A-G	129 HI	28 B-G	1.0
Pioneer P46Z53E	E3	17 D-J	13.9 A-D	128 I	25 F-K	1.0
Revere 4826XFS	XFS	17 B-J	13.0 A-K	131 B-G	27 D-J	1.0
USG 7463XF	XF	17 C-J	13.1 A-J	130 E-I	26 E-K	1.0
Innvictis A4814XF	XF	17 A-J	14.8 A	128 I	25 F-K	1.0
Progeny 4999E3S	E3S	17 C-J	12.9 A-K	129 G-I	31 A-D	1.0
Asgrow AG49XF4	XFS	17 E-J	12.8 C-K	131 B-G	26 E-K	1.0
Innvictis A4924XF	XF	17 E-J	13.1 A-I	130 E-I	27 D-K	1.0
Donmarrio DM48F53	XF	17 D-J	12.2 G-L	130 D-I	23 K	1.0
Progeny 4623XF	XF	17 F-J	11.6 K-M	131 B-G	28 C-H	1.0
Progeny 4947XFS	XFS	17 E-J	13.8 A-E	134 A	30 A-D	1.0
Dyna-Gro S48XF35	XF	16 F-J	13.9 A-E	131 B-F	25 G-K	1.0
MO S20-7117	Conv	16 G-J	13.9 A-F	129 G-I	24 H-K	1.0
Pioneer P47Z15BE	E3S-Bolt	16 F-J	11.9 H-M	129 G-I	28 B-G	1.0
Progeny 4848XF	XF	15 H-J	12.3 G-K	128 I	24 JK	1.0
CNI Fortus 4655ES	E3	15 IJ	14.0 A-C	128 I	24 JK	1.0
Donmarrio DM46F54S	XF	15 J	13.7 A-E	129 HI	28 C-I	1.0
Xitavo XO 4772E	E3	14 F-J	12.7 A-L	129 F-I	25 F-K	1.0
USG 7495XFS	XFS	14 J	10.4 M	131 C-H	29 B-F	1.0
Dyna-Gro S47XF23S	XFS	13 J	14.2 AB	131 C-H	25 F-K	1.0
Average		18	12.9	131	27	1.0
Standard Error		2	0.5	1	1	-
L.S.D. _{.05}		5	1.3	2	4	-
C.V.		17	6	1	9	-

[†] 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).