Table A-31. 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 West Tennessee AgResearch and Education Center in Jackson, Tennessee during 2024.

Variety	Herbicide Pkg[†]	Avg. Yield[§] (bu/ac)	Moisture at Harvest (%)	Maturity (DAP)	Plant Height (in.)	Lodging[††] (1-5)
Dyna-Gro S49XF43S	XFS	62 A	11.2 D-K	135 A	40 K-M	1.0
Asgrow AG49XF4	XFS	59 AB	10.9 H-L	130 C-G	44 F-I	1.0
Pioneer P47Z15BE	E3S-Bolt	58 A-C	10.2 L	128 F-J	45 E-I	1.0
Pioneer P48Z70BLX	E3S-Bolt	57 A-D	11.1 F-L	130 C-G	50 A	1.0
Pioneer P49Z02E	E3	57 A-E	12.1 A-D	132 B-E	42 I-L	1.0
Progeny 4623XF	XF	56 A-F	11.0 G-L	132 B-E	44 F-I	1.0
USG 7495XFS	XFS	56 A-F	10.7 KL	132 B-E	48 A-E	1.0
Revere 49-F36	XF	55 A-G	12.5 A	133 A-C	46 C-H	1.0
CNI Integra XF4875S	XF	54 A-G	11.7 A-H	133 A-C	48 A-E	1.0
Innvictis A4924XF	XF	54 A-G	11.0 G-L	132 A-D	38 M	1.0
Xitavo XO 4772E	E3	54 A-G	12.3 AB	132 A-D	42 H-K	1.0
Progeny 4806XFS	XFS	54 A-G	11.2 C-K	134 AB	43 G-J	1.0
Great Heart GT4756XF	RR/LL	53 B-H	11.6 A-J	127 G-K	45 D-I	1.0
Progeny 4798XF	XF	53 B-H	10.7 KL	134 AB	44 F-I	1.0
USG 7494ETS	E3S	53 B-H	11.7 A-I	130 C-G	46 C-H	1.0
Progeny 4999E3S	E3S	53 B-H	11.3 C-K	129 D-H	46 B-G	1.0
Progeny 4604XFS	XFS	53 B-H	11.6 A-K	131 B-F	49 AB	1.0
Progeny 4947XFS	XFS	52 B-H	11.9 A-G	136 A	46 B-G	1.0
CNI Integra XF4634S	XF	52 B-H	11.4 B-K	126 H-K	49 AB	1.0
USG 7461XFS	XFS	52 B-H	11.3 C-K	128 F-J	49 A-C	1.0
Innvictis A4862XF	XF	52 B-H	10.9 H-L	129 D-H	46 B-G	1.0
USG 7485ETS	E3S	51 B-H	11.4 B-K	129 D-I	47 B-G	1.0
Dyna-Gro S48XF35	XF	51 B-H	11.2 D-K	132 A-D	40 K-M	1.0
Dyna-Gro S47XF23S	XFS	51 B-H	10.9 H-L	128 F-J	44 F-I	1.0
Pioneer P46A90LX	RR2X/LL	50 C-I	12.1 A-E	124 K	47 A-F	1.0
Donmario DM48F53	XF	50 C-I	11.0 G-L	131 B-F	34 N	1.0
Progeny 4775E3S	E3S	50 C-I	12.3 AB	127 G-K	48 A-E	1.0
USG 7474XFS	XFS	49 D-I	11.1 E-L	130 C-G	42 I-L	1.0
Pioneer P46Z53E	E3	49 D-I	11.7 A-I	125 JK	39 K-M	1.0
Revere 47-F77	XF	49 E-I	10.7 J-L	127 G-K	47 A-F	1.0
CNI Fortus 4655ES	E3	49 E-I	11.3 C-K	126 H-K	42 I-L	1.0
Progeny 4848XF	XF	49 F-I	10.9 H-L	126 H-K	43 G-J	1.0
Xitavo XO 4894E	E3	49 F-I	12.0 A-F	128 E-I	46 B-G	1.0
MO S20-7117	Conv	48 F-I	12.2 A-C	128 E-I	39 LM	1.0
USG 7463XF	XF	48 F-I	11.7 A-I	126 I-K	45 E-I	1.0
Donmario DM46F54S	XF	48 F-I	11.7 A-J	124 K	45 D-I	1.0
Innvictis A4814XF	XF	48 G-I	11.6 A-J	133 A-C	40 J-M	1.0
Innvictis A4664XF	XF	46 HI	11.3 C-K	125 JK	42 H-K	1.0
Progeny 4691XFS	XFS	45 HI	11.3 C-K	127 G-K	48 A-D	1.0
Revere 4826XFS	XFS	43 I	10.8 I-L	126 H-K	44 F-I	1.0
Average		52	11.4	129	44	1.0
Standard Error		5	0.4	1	1	-
L.S.D..05		8	1.0	3	3	-
C.V.		9	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 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.
  - C.V. is only reported for variables evaluated on a ratio scale.
  - L.S.D. values are given for ANOVA that were signficant 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 a scale of 1 (no lodging) to 5 (complete lodging).