Table A-30-a. Mean[†] yield and agronomic traits of 12 Maturity Group V Early (5.0 - 5.4) soybean varieties evaluated in small plot replicated trials with irrigation at the AgResearch and Education Center at Milan in Milan, Tennessee during 2023.

Variety	Herbicide Pkg[†]	Avg. Yield[§] (bu/ac)		Moisture at Harvest (%)		Plant Height (in.)		Lodging[‖] (1-5)		Maturity (DAP)	
		1 yr	2 yr	1 yr	2 yr	1 yr	2 yr	1 yr	2 yr	1 yr	2 yr
Revere 5029XF	XF	83 A	79 A	12 BC	12 AB	49 AB	47 AB	1.3 C	1.5 B	151 B	148 A
NK 52-D6E3*	E3	81 A	73 AB	12 B-D	11 BC	46 CD	45 B	1.7 BC	2.5 A	142 D	143 B
Progeny 5056XFS	XFS	76 AB	73 AB	12 BC	12 A	50 A	48 A	1.0 C	1.3 B	151 B	148 A
MO S18-6013	Conv	76 A-C		12 B		42 EF		1.0 C		157 A	
Innvictis A5503XF	XF	75 A-D		12 B-E		48 A-C		1.0 C		148 BC	
USG 7503XF	XF	73 A-D		12 B-D		47 B-D		1.3 C		144 CD	
USG 7543XF	XF	67 B-E		12 C-E		50 A		1.3 C		150 B	
Asgrow AG53XF2	XF	64 C-E	66 BC	12 B-D	11 C	50 A	48 A	1.0 C	1.0 B	147 BC	145 B
Innvictis A5003XF	XF	64 DE		11 DE		42 F		2.3 AB		147 B-D	
USG 7534GT	GT	61 E		12 A		49 AB		1.3 C		147 BC	
Innvictis A5813XF	XF	61 E		11 E		45 DE		1.0 C		156 A	
MO S18-6328	Conv	61 E	60 C	12 A	12 A	38 G	37 C	2.7 A	2.3 A	151 B	148 A
Average		70	70	11.8	11.6	46	45	1.4	1.7	149	146
Standard Error		4	4	0.1	0.3	1	2	0.3	0.3	2	2
L.S.D..05		12	9	0.4	0.3	3	3	0.8	0.8	5	3
C.V.		10	11	2	2	4	5	-	-	2	2

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability. Values highlighted in light orange are above average for a given trait, 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.E.
‡ For a full description of abbreviated biotech traits, see table 29.
* 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).
T Indicate data that were log transformed to meet assumptions of normality, raw means are reported and mean separation letters are given. L.S.D values are not reported as these would be relative to transformed mean values.

Table A-30-b. Mean yield and quality of 12 Maturity Group V Early (5.0 - 5.4) soybean varieties evaluated in small plot replicated trials with irrigation at the AgResearch and Education Center at Milan in Milan, Tennessee during 2023.

Variety	Herbicide Pkg[†]	Avg. Yield[§] (bu/ac)	SDS DI[††] (%)	SDS DS[††] (1-9)	SDS DX[††] (DI x DS/9)	Frogeye[‡‡] (%)
		1 yr	1 yr	1 yr	1 yr	1 yr
Revere 5029XF	XF		5 BC	1.3 B	1 BC	2.0 A
NK 52-D6E3*	E3		2 C	1.0 B	0 C	1.3 A
Progeny 5056XFS	XFS		2 C	1.0 B	0 C	1.0 A
MO S18-6013	Conv		0 C	1.0 B	0 C	1.0 A
Innvictis A5503XF	XF		10 B	1.7 B	2 B	1.7 A
USG 7503XF	XF		7 BC	1.7 B	1 BC	1.3 A
USG 7543XF	XF		22 A	3.0 A	7 A	1.0 A
Asgrow AG53XF2	XF		0 C	1.0 B	0 C	1.0 A
Innvictis A5003XF	XF		5 BC	1.7 B	1 BC	2.0 A
USG 7534GT	GT		3 BC	1.3 B	1 BC	1.0 A
Innvictis A5813XF	XF		2 C	1.3 B	0 C	1.3 A
MO S18-6328	Conv		0 C	1.0 B	0 C	2.0 A
Average			5	1.4	1	1.4
Standard Error			3	0.3	1	0.3
L.S.D.-.05			8	0.8	2	N.S.
C.V.			-	-	-	-

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability. Values highlighted in light orange are above average for a given trait, 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.E.
* Asterisks after a name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 29.
§ All yields are adjusted to 13% moisture.
†† SDS was evaluated as disease incidence (percentage), disease severity (1 to 9, with 1 indicating no disease), and disease index (DI x DS/9). Evaluated in mid-September.
‡‡ Frogeye was evaluated using a 1 to 9 scale, with 1 indicating no disease. Evaluated in mid-September.
|| Leaf holding was evaluated visually at harvest using a 1 to 5 scale, with 1 indicating no leaves at maturity..
T Indicate data that were log transformed to meet assumptions of normality, raw means are reported and mean separation letters are given. L.S.D values are not reported as these would be relative to transformed mean values.