

**Table A-6-a. Mean<sup>†</sup> yield and agronomic traits of 9 Maturity Group III (3.0 - 3.9) 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 <sup>‡</sup>	Avg. Yield <sup>§</sup> (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			Lodging <sup>  </sup> (1-5)			Maturity (DAP)		
		1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr	1 yr	2 yr	3 yr
Dyna-Gro S38XF22S*	XF	76 A	72 A		12 A	12 B		44 BC	45 B		1.0 D	1.0 A		133 AB	133 A	
Revere 3908XFS*	XFS	72 AB	65 A	65 A	14 A	14 A	14 A	46 B	47 A	45 A	2.3 BC	1.7 A	1.4 A	132 A-C	133 A	134 A
Innvictis A3992XF	XF	69 AB			13 A			42 C-E			1.3 CD			134 AB		
Asgrow AG38XF1	XF	69 AB	66 A	66 A	13 A	13 B	13 B	43 CD	44 B	42 B	1.7 CD	1.3 A	1.2 A	130 C	131 A	132 B
USG 7394XFS	XFS	66 AB			13 A			49 A			3.0 AB			135 A		
Xitavo 3803E	E3	65 AB			14 A			40 E			3.0 AB			132 A-C		
Asgrow AG39XF3	XF	63 B			13 A			41 DE			2.3 BC			131 BC		
Perdue Agribusiness P30ILO22	Conv	41 C			13 A			32 F			3.7 A			130 C		
Perdue Agribusiness P29ILO22	Conv	36 C			14 A			34 F			3.3 AB			121 D		
Average		62	68	66	13.2	12.9	13.4	41	45	44	2.4	1.3	1.3	131	132	133
Standard Error		7	5	3	0.4	0.2	0.2	1	1	2	0.5	0.4	0.3	1	1	1
L.S.D. <sub>.05</sub>		12	N.S.	N.S.	N.S.	0.7	0.7	2	2	2	1.1	N.S.	N.S.	3	N.S.	2
C.V.		11	7	9	5	4	5	3	4	5	-	-	-	1	1	1

<sup>†</sup> 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.

<sup>‡</sup> 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.

<sup>§</sup> All yields are adjusted to 13% moisture.

<sup>||</sup> Lodging was evaluated on a scale of 1 (no lodging) to 5 (complete lodging).

<sup>T</sup> 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-6-b. Mean<sup>†</sup> yield and agronomic traits of 9 Maturity Group III (3.0 - 3.9) 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 <sup>†</sup>	Avg. Yield <sup>§</sup>	SDS DI <sup>††</sup>	SDS DS <sup>††</sup>	SDS DX <sup>††</sup>	Frogeye <sup>‡‡</sup>
		(bu/ac)	(%)	(1-9)	(DI x DS/9)	(%)
		1 yr	1 yr	1 yr	1 yr	1 yr
Dyna-Gro S38XF22S*	XF	76 A	3 BC	2.0 A	1 B	1.3 A
Revere 3908XFS*	XFS	72 AB	8 A	2.3 A	3 A	1.0 A
Innvictis A3992XF	XF	69 AB	0 C	1.0 A	0 B	1.7 A
Asgrow AG38XF1	XF	69 AB	3 BC	2.0 A	1 B	1.0 A
USG 7394XFS	XFS	66 AB	0 C	1.0 A	0 B	1.0 A
Xitavo 3803E	E3	65 AB	2 C	1.3 A	0 B	1.3 A
Asgrow AG39XF3	XF	63 B	2 C	1.3 A	0 B	1.3 A
Perdue Agribusiness P30ILO22	Conv	41 C	3 BC	1.0 A	0 B	1.7 A
Perdue Agribusiness P29ILO22	Conv	36 C	7 AB	1.7 A	1 AB	1.3 A
Average		62	3	1.5	1	1.3
Standard Error		7	2	0.4	1	0.3
L.S.D. <sub>.05</sub>		12	5	N.S.	2	N.S.
C.V.		11	-	-	-	-

† 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