

**Table A-7-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 without 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	75 A	69 A		13 C	12 A		43 BC	39 B		1.3 A	1.2 A		127 BC	128 B	
Asgrow AG38XF1	XF	74 AB	65 A	64 A	13 C	12 A	12 A	41 CD	38 B	38 B	1.0 A	1.0 A	1.0 A	126 C	128 B	129 B
Innvictis A3992XF	XF	72 AB			13 BC			43 BC			1.3 A			130 AB		
Revere 3908XFS*	XFS	70 AB	64 A	65 A	14 AB	12 A	13 A	44 AB	41 A	41 A	1.0 A	1.0 A	1.1 A	129 AB	131 A	132 A
Asgrow AG39XF3	XF	67 A-C			13 C			41 CD			1.3 A			129 AB		
USG 7394XFS	XFS	67 BC			13 A-C			46 A			1.7 A			131 A		
Xitavo 3803E	E3	61 C			14 A			39 D			2.0 A			130 AB		
Perdue Agribusiness P29ILO22	Conv	46 D			14 AB			32 E			1.3 A			121 D		
Perdue Agribusiness P30ILO22	Conv	42 D			13 C			32 E			1.0 A			123 D		
Average		64	66	64	13.0	12.3	12.4	40	39	40	1.3	1.1	1.1	127	129	130
Standard Error		3	7	4	0.2	0.7	0.5	1	4	2	0.3	0.1	0.1	1	2	2
L.S.D-.05		8	N.S.	N.S.	0.7	N.S.	N.S.	2	2	2	N.S.	N.S.	N.S.	3	2	1
C.V.		7	7	6	3	3	4	4	4	4	-	-	-	1	1	1

† 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.

‡ 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 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-7-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 without 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	75 A	2 C	1.0 A	0 B	2.0 A
Asgrow AG38XF1	XF	74 AB	7 BC	1.3 A	1 B	1.0 A
Innvictis A3992XF	XF	72 AB	0 C	1.3 A	0 B	1.3 A
Revere 3908XFS*	XFS	70 AB	7 BC	2.0 A	1 B	1.3 A
Asgrow AG39XF3	XF	67 A-C	5 C	1.0 A	1 B	1.3 A
USG 7394XFS	XFS	67 BC	5 C	2.0 A	1 B	1.3 A
Xitavo 3803E	E3	61 C	5 C	1.0 A	1 B	1.3 A
Perdue Agribusiness P29ILO22	Conv	46 D	15 A	2.7 A	5 A	1.0 A
Perdue Agribusiness P30ILO22	Conv	42 D	13 AB	1.3 A	2 B	1.3 A
Average		64	6	1.5	1	1.3
Standard Error		3	3	0.4	1	0.3
L.S.D. <sub>.05</sub>		8	8	N.S.	3	N.S.
C.V.		7	-	-	-	-

<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.

\* 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.