

Table A-11. Mean[†] yield and agronomic traits of 19 Maturity Group IV Early (4.0 - 4.4) soybean varieties evaluated in small plot replicated trials with irrigation at the Highland Rim AgResearch and Education Center in Springfield, Tennessee during 2022. Analysis included variety performance over a 1 yr (2022), 2 yr (2021-2022), and 3 yr (2020-2022) period.

Variety	Herbicide Pkg [†]	Avg. Yield [§] (bu/ac)			Moisture at Harvest (%)			Plant Height (in.)			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
Progeny 4200RXS	RXS	56 A			11.5 B-D			34 A			139 A-C		
Asgrow AG45XF0	XFS	53 A	57 A		11.3 B-D	12.8 A		31 B-E	32 A		137 D-F	137 BC	
Revere 4299XS	RXS	53 A	58 A	62 A	11.5 B-D	12.9 A	13.0 AB	33 A-C	33 A	34 A	140 A-C	139 A	140 B
Revere 4526XFS	XFS	52 A			11.4 B-D			33 AB			138 B-E		
Dyna-Gro S42XF93S	XFS	50 A			11.3 B-D			30 C-F			136 EF		
Dyna-Gro S45ES10	E3S	50 A	59 A	65 A	12.7 A	13.3 A	13.3 A	30 D-F	32 A	34 A	139 A-C	139 A	141 A
Revere 4415XF*	XF	49 A	59 A		11.2 B-D	12.8 A		29 E-G	30 A		136 EF	137 CD	
Progeny 4505RXS**	RXS	49 A	58 A	63 A	10.9 D	12.2 A	12.5 B	32 A-D	33 A	34 A	139 A-C	138 AB	140 AB
Dyna-Gro S41EN72	E3	49 A	57 A		11.5 B-D	13.0 A		29 E-G	30 A		136 F	136 D	
Innvictis A4412XF	XF	48 A			11.3 B-D			33 AB			137 D-F		
Dyna-Gro S45XF02	XF	47 A			11.4 B-D			29 E-G			139 B-D		
Innvictis B4112E	E3	47 A			11.1 CD			28 FG			133 G		
Progeny 4521XFS	XFS	46 A	53 A		11.7 BC	13.0 A		30 B-F	32 A		140 AB	140 A	
Asgrow AG42XF0	XF	46 A			11.2 CD			32 A-D			137 D-F		
NK Seed NK44-Q5E3S	E3	44 A			11.4 B-D			26 G			138 C-F		
MO S19-3530RY	R2	44 A			11.4 B-D			32 A-D			136 F		
Revere 4128XFS	XFS	43 A			11.4 B-D			29 E-G			136 EF		
Progeny 4202XFS	XFS	41 A			13.1 A			28 FG			141 A		
Asgrow AG43XF2	XF	36 A			11.8 B			30 C-F			140 AB		
Average		48	57	64	11.5	12.9	12.9	30	32	34	138	138	140
Standard Error		4	8	7	0.2	1.3	0.7	1	2	1	1	1	1
L.S.D. _{.05}		N.S.	N.S.	N.S.	0.6	N.S.	0.6	3	N.S.	N.S.	2	1	1
C.V.		12	9	9	3	6	5	6	6	6	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.

* 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 31.

§ All yields are adjusted to 13% moisture.

|| Lodging was evaluated on a scale of 1 (no lodging) to 5 (complete lodging). If not reported, no differences in lodging were observed.

C.V. is not reported for traits measured on a ratio scale.