

Table A-10-a. 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 East Tennessee AgResearch and Education Center in Knoxville, 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.)			Lodging (1-5)		
		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 4505RXS**	RXS	79 A	81 A	83 A	13.4 A	14.4 B	15.0 A	49 A-C	42 A	40 A	2.7 A-C	2.0 A	1.9 A
Dyna-Gro S41EN72	E3	77 A	74 A		13.1 A	13.7 C		44 H	38 B		2.7 A-C	2.1 A	
Revere 4299XS	RXS	76 A	80 A	80 AB	13.0 A	14.1 BC	14.8 AB	48 C-E	41 A	40 A	1.3 D	1.5 A	1.5 A
Dyna-Gro S45XF02	XF	76 A			13.7 A			46 E-H			2.2 A-D		
Dyna-Gro S42XF93S	XFS	73 A			13.3 A			47 D-G			2.8 AB		
MO S19-3530RY	R2	72 A			14.4 A			51 AB			1.3 D		
Progeny 4521XFS	XFS	72 A	78 A		13.8 A	15.0 A		46 F-H	40 AB		1.7 CD	1.6 A	
Progeny 4200RXS	RXS	72 A			13.1 A			49 A-C			2.2 A-D		
Asgrow AG45XF0	XFS	72 A	76 A		13.2 A	14.1 BC		49 B-D	41 A		2.5 A-C	2.1 A	
Revere 4415XF*	XF	72 A	74 A		13.5 A	14.4 AB		41 I	36 C		2.0 B-D	1.8 A	
NK Seed NK44-Q5E3S	E3	71 A			12.7 A			40 I			2.5 A-C		
Progeny 4202XFS	XFS	71 A			13.6 A			48 C-F			1.8 B-D		
Asgrow AG43XF2	XF	70 A			13.4 A			44 GH			1.3 D		
Revere 4526XFS	XFS	70 A			13.6 A			51 A			1.7 CD		
Asgrow AG42XF0	XF	69 A			12.9 A			49 A-D			2.0 B-D		
Innvictis A4412XF	XF	68 A			13.2 A			46 F-H			2.0 B-D		
Innvictis B4112E	E3	67 A			13.3 A			41 I			1.3 D		
Dyna-Gro S45ES10	E3S	67 A	75 A	76 B	13.2 A	14.1 BC	14.3 B	46 E-H	41 A	40 A	2.5 A-C	2.0 A	1.9 A
Revere 4128XFS	XFS	65 A			13.5 A			48 C-F			3.2 A		
Average		72	77	80	13.4	14.3	14.7	47	40	40	2.1	1.9	1.8
Standard Error		3	4	3	0.4	1.0	0.8	1	6	4	0.4	0.4	0.2
L.S.D. _{.05}		N.S.	N.S.	6	N.S.	0.6	0.6	3	2	N.S.	1.1	N.S.	N.S.
C.V.		7	8	7	4	4	4	3	5	4	-	-	-

† 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.