

Table 20. Mean[†] yields across and by location of eight Maturity Group V (5.0 - 5.9) soybean varieties evaluated in replicated small plot trials at nine AgResearch and Education Center locations in Tennessee during 2024.

Variety	Herbicide Pkg [†]	Avg. Yield [§]	Greeneville	Springfield	Springfield	Spring Hill	Milan	Milan	Jackson
		(bu/ac)	Non-Irr. (bu/ac)	Irr. (bu/ac)	Non-Irr. (bu/ac)	Non-Irr. (bu/ac)	Irr. (bu/ac)	Non-Irr. (bu/ac)	Non-Irr. (bu/ac)
		1 yr	1 yr	1 yr	1 yr	1 yr	1 yr	1 yr	1 yr
Pioneer P53Z60LX	RR2X/LL	54 A	53 A	68 AB	24 AB	51 A	65 AB	58 A	57 A
Pioneer P50Z95E	E3	53 A	47 A	69 A	27 A	44 A	72 A	55 A	55 A
USG 7543XF	XF	48 B	45 A	47 C	18 CD	50 A	64 AB	56 A	52 A
MO S20-13179LL55	LL	47 B	51 A	61 A-C	22 BC	41 A	57 BC	54 A	47 A
Progeny 5056XFS	XFS	47 B	54 A	52 C	16 D	45 A	59 BC	55 A	45 A
MO S20-1492	Conv	45 BC	50 A	47 C	17 D	46 A	55 CD	52 A	45 A
USG 7534GT	GT	45 BC	52 A	56 BC	17 D	42 A	53 CD	46 A	46 A
MO S20-4428	Conv	42 C	51 A	49 C	16 D	45 A	47 D	46 A	45 A
Average		48	50	56	20	45	59	53	49
Standard Error		5	2	7	2	3	4	5	5
L.S.D._{.05}		4	N.S.	13	4	N.S.	9	N.S.	N.S.
C.V.		13	7	13	13	11	8	15	14

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.

- Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. 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 23.

§ All yields are adjusted to 13% moisture.

Knoxville excluded due to equipment failure. Memphis excluded due to late harvest.