

Table 4. Agronomic and shelling characteristics for entries averaged across all locations in the 2023 Oklahoma Peanut Variety Trial.⁶

	Yield	% of Trial	Grade ²	SMK/100 ³	ELK ⁴	MED ⁴	No.1 ⁴	Shelling	Value ⁵
Entry	(lb/A)	Average	(%TSMK)	(g)	%				(\$/A)
Runner¹									
ACI 080	5437a	102	72c	60d	25c	37a	18b	74c	1,321
ACI 476	5394a	101	72c	63c	41a	32b	29a	74c	1,311
ACI 509	4636b	87	73b	58e	32b	38a	20b	75b	1,142
ACI 3321	5761a	108	72c	68b	38a	32b	30a	75b	1,400
Lariat	5448a	102	74a	70a	41a	28c	31a	76a	1,361
Mean	5335		73	64	35	33	26	75	
Standard Error	392		0.7	1.4	3.5	1.9	2.6	0.6	
Spanish*** Valencia** Small Seeded Runner*^{1,7}									
AT9899 (S)*	4891bc	110	67c	50f	49e	27bc	22c	70b	1,147
OLé***	4745c	106	65e	54d	70d	18f	10e	68d	1,079
Schubert***	4082d	92	62h	40j	38g	30a	22c	65g	886
Span17 (S)*	5453a	122	72a	55d	67d	24d	8ef	74a	1,374
TamVal OL14**	3919d	88	62h	51ef	46ef	24d	26a	66f	1,154
ARSOK S95-1 (S)*	4759c	107	66d	64a	69d	12g	7fg	70b	1,099
ARSOK S104-2E***	4898bc	110	66d	51ef	69d	22e	8ef	69c	1,131
ARSOK S104-3E***	4776c	107	63g	49f	62e	22e	10e	67e	1,053
ARSOK S105-3E***	4642c	104	65e	51ef	74c	18f	5g	67e	1,056
ARSOK S105-4E***	4642c	104	63g	52e	71c	17f	9ef	66f	1,024
ARSOK S1071L (S)*	5373ab	120	71b	59c	83b	10h	3g	74a	1,335
NM310**	3122f	70	64f	45i	43f	28b	23b	68d	949
IPG 1288 (V)*	5115b	115	71b	61b	91a	8i	0h	74a	1,725
NMKC5**	3509e	79	63g	50g	43f	26c	22c	67e	1,050
NMM6**	3375ef	76	64f	47h	44ef	27bc	23c	67e	1,026
NMPR25**	4088d	92	64f	46hi	33h	31a	17d	67e	1,243
Mean	4462		66	52	60	22	13	69	
Standard Error	310		0.8	1.6	3.4	1.3	2	0.6	
Virginia¹									
Bailey II	4940	94	68b	90	47a	13c	36b	70b	1,176
Comrade	5511	105	69a	102	40c	15b	40a	72a	1,331
Emery	5318	101	67c	87	44b	17a	37b	69c	1,247
Mean	5256		68	93	44	15	38	70	
Standard Error	639 (ns)		0.7	2.2	2.3	1.7	2.6	0.6	

¹ Market Type.

² % TSMK = Percent total sound mature kernels.

³ SMK/100 = Weight of 100 sound mature kernels.

⁴ ELK = % Kernels riding a 21.5/64" X 1" slotted screen for Virginia and 21/64" X 3/4" screen for runner and Spanish; MED = % Kernels riding a 18/64" but falling through a 21.5/64" or 21/64" screen; No.1 = % Kernels riding a minimum grade screen (16/64" for runner and Spanish, and 15/64 for Virginia) but falling through a 18/64"

⁵ Calculated based on peanut market-type contract price per ton 2023 (\$675, runners; \$700, Spanish and Virginia; \$950, Valencia). ELK bonus not added for Virginias.

⁶ Values within the same column followed by the same letter are not significantly different at P = .05. ns = no significant differences.

⁷ Small seeded runners marketed as Spanish (S) or Valencia (V)