

**Table 3. Agronomic and shelling characteristics for entries in the 2023 Oklahoma Peanut Variety Trial. Location: White Farms in Davidson.<sup>6</sup>**

	Yield	% of Trial	Grade <sup>2</sup>	SMK/100 <sup>3</sup>	ELK <sup>4</sup>	MED <sup>4</sup>	No.1 <sup>4</sup>	Shelling	Value <sup>5</sup>
Entry	(lb/A)	Average	(%TSMK)	(g)	%				(\$/A)
<b>Runner<sup>1</sup></b>									
ACI 080	4758d	92	71c	55d	10c	36bc	7c	68c	1,140
ACI 476	5049c	98	72bc	62c	32a	35c	23a	71b	1,227
ACI 509	5103c	99	74a	52e	19b	43a	11b	74a	1,274
ACI 3321	5661a	109	73ab	65b	29a	40ab	22a	75a	1,394
Lariat	5318b	102	74a	69a	29a	34c	22a	74a	1,328
<b>Mean</b>	<b>5178</b>		<b>73</b>	<b>60</b>	<b>24</b>	<b>38</b>	<b>17</b>	<b>72</b>	
<b>Standard Error</b>	<b>200</b>		<b>1.3</b>	<b>1.6</b>	<b>4</b>	<b>4.5</b>	<b>3</b>	<b>2.5</b>	
<b>Spanish***   Valencia**   Small Seeded Runner*<sup>1,7</sup></b>									
AT9899 (S)*	4972b	109	68b	50e	35fg	31bc	20a	71c	1,183
OLé***	5300bc	117	67bc	56c	60d	20g	17bc	70cd	1,243
Schubert***	4869c	107	62e	44g	21i	31bc	11e	64f	1,057
Span17 (S)*	5813a	128	72a	56c	62d	26e	10e	74b	1,465
TamVal OL14**	4145d	91	64d	49e	37f	28d	20a	67e	1,260
ARSOK S95-1 (S)*	4573bcd	101	68b	63a	68c	15h	15cd	71c	1,088
ARSOK S104-2E***	5348b	118	68b	52d	63d	24f	10e	69d	1,273
ARSOK S104-3E***	4930b	109	62e	49e	52e	26e	19ab	65f	1,070
ARSOK S105-3E***	4864c	107	66cd	53d	70c	20g	8f	67e	1,124
ARSOK S105-4E***	3575e	79	62e	49e	61d	20g	15cd	65f	776
ARSOK S1071L (S)*	5868a	129	72a	60b	80b	11i	6g	74b	1,479
NM310**	2645f	58	64d	46f	28gh	30c	17bc	68e	804
IPG 1288 (V)*	4887c	108	72a	61b	89a	9j	0h	75a	1,671
NMKC5**	3332e	73	66cd	47f	31g	32b	17bc	69de	1,045
NMM6**	3361e	74	65d	45g	26h	31bc	13d	69de	1,038
NMPR25**	4179d	92	66cd	47f	26h	35a	13d	70cd	1,310
<b>Mean</b>	<b>4541</b>		<b>67</b>	<b>52</b>	<b>51</b>	<b>24</b>	<b>13</b>	<b>69</b>	
<b>Standard Error</b>	<b>445</b>		<b>1.3</b>	<b>1.1</b>	<b>4</b>	<b>1.4</b>	<b>2.4</b>	<b>0.8</b>	
<b>Virginia<sup>1</sup></b>									
Bailey II	5312	101	69a	90b	47a	14b	32	71a	1,283
Comrade	5308	101	69a	94a	32b	23a	35	71a	1,282
Emery	5161	98	67b	79c	36b	24a	32	69b	1,210
<b>Mean</b>	<b>5260</b>		<b>68</b>	<b>88</b>	<b>38</b>	<b>20</b>	<b>33</b>	<b>70</b>	
<b>Standard Error</b>	<b>435 (ns)</b>		<b>1.7</b>	<b>3.8</b>	<b>4.1</b>	<b>1.8</b>	<b>4.3 (ns)</b>	<b>1.4</b>	

<sup>1</sup> Market Type.

<sup>2</sup> % TSMK = Percent total sound mature kernels.

<sup>3</sup> SMK/100 = Weight of 100 sound mature kernels.

<sup>4</sup> 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"

<sup>5</sup> 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.

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

<sup>7</sup> Small seeded runners marketed as Spanish (S) or Valencia (V)