



Table 3. Yield, grade, average seed weight, seed size distribution and value per acre for entries in the Love County (Thackerville, Anthony Reed Farms), Oklahoma peanut variety trial in 2021.⁶

Entry	Yield (lb/A)	% of Trial Average	Grade ² (%TSMK)	SdWt/100 ³ (g)	ELK ⁴ (%)	MED ⁴ (%)	No. 1 ⁴ (%)	Value ⁵ (\$/A)
Runner¹								
ACI080	3388a-c	112	76a	61gf	15f	51a	9a	740
ACI476	3017a-d	100	67c	58g	20ef	38bc	7ab	581
ACI3321	3259a-d	108	68bc	71b-d	24ef	37bc	6a-c	637
Lariat	3114a-d	103	70bc	66ef	22ef	37bc	7ab	627
ARSOK R90-12	2759a-d	91	73ab	76b-d	23ef	43b	6a-c	579
ARSOK R91-2	3453ab	114	71a-c	77bc	29b-e	38bc	3c	705
ARSOK R92-13	2857a-d	95	71a-c	77bc	27c-e	37bc	6a-c	583
ARSOK R93-1	2662b-d	88	70bc	69c-e	37a-c	34c-e	4bc	536
ARSOK R93-10	3082a-d	102	66c	67d-g-f	24e	34c-e	5bc	585
ARSOK R95-1	3194a-d	106	68bc	69c-e	23ef	38bc	6a-c	624
ARSOK R96-7	3017a-d	100	65c	72b-e	40a	20f	4bc	564
ARSOK 96-8	2565d	85	67c	79b	42a	19f	3c	494
ARSOK R106-1L	3533a	117	59d	97a	37ab	14f	4bc	599
ARSOK R106-9L	2630cd	87	70bc	97a	26de	35c-e	6a-c	529
ARSOK R107-2L	2969a-d	98	70bc	65e-g	34a-d	37bc	5bc	598
ARSOK R109-1L	2823a-d	93	68	67d-f	25e	37bc	6a-c	552
Mean	3020.2		68.6	71.1	29.4	33.6	5.45	
CV	16.3		5.1	7.2	19.4	14.0	36.7	
LSD (0.05)	818.4		5.8	8.4	9.0	7.8	3.3	
Spanish¹								
AT98-99	2694ab	129	67ab	51a-c	36bc	21bc	7bc	541
OLé	2194a-c	105	66ab	56ab	46ab	14de	5cd	434
Schubert	2065a-c	99	63bc	48c	22d	29a	11a	390
Span17	2791a	133	69a	57a	45ab	18b-d	5cd	578
Tamnut OL06	2291a-c	109	66ab	47c	33cd	23b	8ab	454
ARSOK S88-2	1533c	73	68ab	49bc	37bc	23b	6b-d	313
ARSOK S96-5	2275c	109	66ab	57a	52a	9e	4cd	450
ARSOK S104-2E	2162a-c	103	68ab	54a-c	47ab	15d	4cd	441
ARSOK S104-3E	1452a-c	69	65a-c	48c	41a-c	17cd	5cd	283
ARSOK S105-2E	1597a-c	76	60c	59bc	39bc	15de	3d	287
ARSOK S105-3E	2194a-c	105	66ab	53a-c	44a-c	17b-d	3d	434
ARSOK S105-4E	1904a-c	91	68ab	53a-c	48ab	13de	3d	388
Mean	2095.9		65.9	51.9	40.8	17.9	5.6	
CV	31.3		4.9	8.5	10.6	19.7	33.6	
LSD (.05)	1106.9		5.5	7.5	12.8	5.9	3.1	
Virginia¹								
ACI351	3549a	115	61b-d	95b	36b-d	17b-e	4a-d	686
Comrade	3324ab	108	66a-c	107a	43b	16c-f	2d	688
Contender	3614a	117	66ab	85c-e	42bc	21ab	2d	756
Jupiter	33bbab	110	59d	85c-e	34d	18b-d	6a	630
ARSOK V98	2840ab	92	62b-d	79ef	35d	22a	4a-d	556
ARSOK V99	2629ab	85	61d-c	77f	36cd	18a-d	4a-c	505
ARSOK V100-1	2791ab	91	60cd	87cd	39b-d	14ef	3b-d	535
ARSOK V100-2	2920ab	95	59d	87cd	33d	14ef	5a-c	549
ARSOK V101-1	3146ab	102	70a	80ef	51a	15d-f	2d	699
ARSOK V103-1	3194ab	104	59d	80ef	39b-d	19a-c	6a	603
ARSOK V103-4	3081ab	100	60d	92bc	39b-d	13f	3b-d	591

Entry	Yield (lb/A)	% of Trial Average	Grade ² (%TSMK)	SdWt/100 ³ (g)	ELK ⁴ (%)	MED ⁴ (%)	No. 1 ⁴ (%)	Value ⁵ (\$/A)
Virginia¹								
ARSOK V-103-5	2485b	81	60d	85de	35cd	17b-e	5a-c	476
Mean	3080.1		62.1	86.5	37.8	16.8	4.1	
CV	19.6		6.0	4.8	11.5	13.3	30.1	
LSD (.05)	1017.9		6.3	6.9	7.3	3.8	2.1	

¹Market Type.

²% TSMK = Percent total sound mature kernels.

³SdWt/100 = Weight of 100 SMK.

⁴ELK= % 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".

⁵Calculated based on peanut market-type contract price 2021 (\$575 for runners; \$600 for Spanish and Virginia). ELK bonus not added for Virginias.

⁶Values within the same column followed by the same letter are not significantly different at P = .05; ns = non-significant.