



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 2020.⁶

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	5175a-e	104	70a-c	56h	19g	57a	17a	756
ACI476	4844b-g	97	71a-c	31h	40c-f	52ab	7bc	817
ACI3321	4411fg	88	67cd	74a-d	38c-f	45cd	9bc	702
Georgia 09B	4836c-g	98	71a-c	66d-g	57ab	32h	6c	815
Georgia 14N	4854b-g	97	74a	63f-h	45b-e	46cd	9bc	853
Lariat	5466ab	109	72ab	67e-g	40c-f	50bc	9bc	935
Tamrun OL11	4949b-f	99	70a-c	64e-h	40c-f	46cd	10b	823
Webb	5040b-e	101	69a-c	64e-h	38d-f	46cd	10b	826
ARSOK R47A	5777a	116	68b-d	68e-g	36ef	47bc	7bc	933
ARSOK 90-12	5058b-e	101	72ab	75a-d	49a-d	44c-e	7bc	865
ARSOK 91-2	5411a-c	108	69a-c	77a-c	50a-d	40d-f	5c	887
ARSOK R92-13	5441a-c	109	70a-c	81a	43c-f	45cd	9bc	905
ARSOK R93-1	4563e-g	91	73a	73a-d	54ab	38e-g	7bc	791
ARSOK R93-10	4697d-g	94	71a-c	72b-e	1c-f	50bc	7bc	792
ARSOK R94-4	5203a-d	104	70a-c	77a-c	57ab	33gh	7bc	865
ARSOK R95-1	4872b-g	97	73a	71c-f	35f	57a	7bc	845
ARSOK R96-7	5078b-e	102	70a-c	70c-f	50a-c	34f-h	8bc	844
ARSOK R96-8	4287g	86	63d	80ab	60a	22i	6c	641
Mean	4998		71	69	44	44	9	
CV	2.0		3.6	6.0	9.0	5.0	21.0	
LSD (0.05)	625		5	9	11	6	5	
Spanish¹								
AT98-99	4791a	111	72a	52	59bc	33a	12a	819
OLé	4026bc	94	69b	55	76a	18b	3b	660
Schubert	3787c	88	66c	51	49c	33a	12a	594
Span17	4737ab	110	72a	58	76a	21b	4b	810
Tamnut OL06	4260a-c	99	69b	52	64ab	29ab	5b	698
ARSOK S88-2	4221a-c	98	69b	58	74a	19b	3b	692
Mean	4304		70	54	66	25	7	
CV	11.5		0.9	7.2	6.2	12.1	15.3	
LSD (.05)	739		1.5	9.6(ns)	14	11	4	
Virginia¹								
ACI351	5154ab	106	62ab	89ab	48b	38a	12a	781
Contender	5002ab	103	68a	88ab	73a	26a-c	1c	832
Jupiter	5198ab	107	65ab	89ab	66ab	28a-c	6bc	825
VENUS	4829ab	99	63ab	87ab	58ab	32ab	3c	745
NCEX1	4886ab	100	62ab	94ab	67ab	22bc	7ab	741
NCEX2	4816bc	99	62ab	98a	66ab	24a-c	7ab	731
NCEX7	4710bc	97	64ab	98a	68ab	23bc	8ab	738
NCEX17	5295ab	109	67ab	101a	74a	22bc	3bc	866
NCEX20	4694bc	96	65ab	89ab	74a	20bc	4bc	747
NCEX22	4969ab	102	62ab	93ab	54b	33ab	9ab	753
ARSOK V-98	4558bc	94	61ab	81b	49b	36ab	10ab	682
ARSOK V-99	4669bc	96	66ab	86ab	60ab	34ab	3bc	755
ARSOK V-100-1	4541bc	93	62ab	82b	60ab	29a-c	9ab	690

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-100-2	5204ab	107	62ab	94ab	67ab	22bc	7ab	788
ARSOK V-101-1	5653a	116	67ab	79b	78a	21bc	1c	923
ARSOK V-103-1	5001ab	103	62ab	92ab	63ab	25a-c	9ab	758
ARSOK V-103-3	4575bc	94	54c	82b	57ab	17c	10ab	606
ARSOK V-103-4	4498bc	92	60ab	87ab	55b	29a-c	9ab	662
ARSOK V-103-5	4378c	90	64ab	88ab	62ab	33ab	5bc	688
Mean	4869		63	90	63	27	8	
CV	11.7		6.6	7.3	13.5	20.6	23.8	
LSD (.05)	825		5	15	22	14	5	

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 2020 (\$475). ELK bonus added for Virginias.

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