



Table 2. Yield, grade, average seed weight, seed size distribution and value per acre for entries in the Custer County (Weatherford/Les Crall 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	4549b-e	100	66b-d	49hi	24g	60a	12a-c	756
ACI476	4093de	90	70ab	48i	32fg	60a	10b-e	823
ACI3321	4499b-e	99	62d	66a-c	49b-f	30fg	8c-f	792
Georgia 09B	4682b-d	103	68a-d	61c-f	53a-e	39c-e	5fg	652
Georgia 14N	4003e	88	66b-d	61c-f	37e-g	47b	10b-e	673
Lariat	5358a	118	73ab	64a-d	39d-f	47b	11b-d	837
Tamrun OL11	4254c-e	93	68a-d	58d-g	33fg	50b	16a	566
Webb	4859a-c	107	63cd	57e-g	39d-f	40cd	9b-f	785
ARSOK R47A	5379a	118	66b-d	67ab	44c-f	39c-e	12a-c	810
ARSOK 90-12	4514b-e	99	69a-c	62b-e	37e-g	50b	13ab	815
ARSOK 91-2	4962ab	109	67b-d	64a-c	55a-d	34e-g	7c-f	813
ARSOK R92-13	4508b-e	99	69a-c	64a-c	48b-f	44bc	6e-f	882
ARSOK R93-1	4616b-e	101	75a	64a-c	62ab	34e-g	4g	835
ARSOK R93-10	4216c-e	92	69a-c	55fg	84b-f	44bc	7c-f	761
ARSOK R94-4	4557b-e	100	67b-d	63a-d	52b-e	36d-f	7c-f	812
ARSOK R95-1	4398b-e	96	69a-c	61c-f	45c-f	44bc	9b-f	838
ARSOK R96-7	4346b-e	95	66b-d	60c-g	56a-c	29g	8c-f	843
ARSOK R96-8	4262c-e	94	62d	68a	69a	14h	4g	712
Mean	4558		68	61	46	41	10	
CV	10.3		1.4	4.6	12.5	5.1	14.8	
LSD (0.05)	688		7	6	16	6	4	
Spanish¹								
AT98-99	4230	102	71a	44ab	51ab	37ab	12ab	713
OLé	4324	104	67ab	45ab	51ab	35bc	12ab	688
Schubert	3848	93	64b	40b	25c	49a	26a	585
Span17	4586	110	69ab	49a	62a	29c	8b	752
Tamnut OL06	3724	90	69ab	41b	40bc	47a	21a	610
ARSOK S88-2	4212	101	70ab	41b	51ab	42ab	7b	700
Mean	4154		68	43	46	55	13	
CV	10.7		3.6	6.5	10.4	11.2	28.2	
LSD (.05)	659 (ns)		6	6	16	15	9	
Virginia¹								
ACI351	5676a	114	66a-c	96b	61	29ab	7ab	913
Contender	5264ab	105	66-ac	86bc	74a	23b	2bc	848
Jupiter	5322ab	107	65a-c	79c	39b	47a	9a	844
VENUS	5093a-c	102	63a-c	85bc	57ab	32ab	7ab	784
NCEX1	5209a-c	104	65a-c	101b	72a	19b	3bc	827
NCEX2	5131a-c	103	65a-c	104a	77a	17b	3bc	815
NCEX7	4598bc	92	62bc	112a	74a	16b	2c	699
NCEX17	5805a	116	65a-c	103a	77a	18b	2c	919
NCEX20	4898a-c	98	66a-c	101b	72a	19b	6a-c	791
NCEX22	4805a-c	96	64a-c	102ab	73a	25ab	2c	753
ARSOK V-98	4554bc	91	63a-c	88bc	58ab	31ab	5ab	703
ARSOK V-99	4734a-c	95	68ab	82bc	6 ab	32ab	3bc	788
ARSOK V-100-1	4367c	87	63a-c	95b	59a	14b	2c	675

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	4784a-c	96	66ac	98b	79a	15b	2c	773
ARSOK V-101-1	5204a-c	104	71a	81c	79a	23b	2c	902
ARSOK V-103-1	4687a-c	94	73ac	95b	66ab	23b	4bc	723
ARSOK V-103-3	5153a-c	103	59c	83bc	62ab	23b	7ab	743
ARSOK V-103-4	4909a-c	98	61bc	92b	70a	19b	7ab	733
ARSOK V-103-5	4747a-c	95	66a-c	93b	51ab	30ab	9a	767
Mean	4996		65	94	68	23	4	
CV	10.1		5.3	7.2	12.1	20.3	34.5	
LSD (.05)	765		8	10	29	22	4	

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.