



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 2021.

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	6543a	115	64c-e	61hi	26fg	28a	9b	1202
ACI476	6485a	114	59ef	59i	22fg	27ab	8ab	1100
ACI3321	6453ab	113	57f	62g-i	21g	24a-c	10a	1057
Lariat	6115a-c	107	71a	69ef	38de	23a-c	8ab	1248
ARSOK R90-12	4807cd	84	69a-c	81bc	45a-d	16fg	4c-e	954
ARSOK R91-2	5163b-d	91	69a-c	76cd	41cd	21c-e	7a-d	1024
ARSOK R92-13	5114cd	90	73a	83b	50a-c	16ef	4c-e	1073
ARSOK R93-1	6034a-c	106	72a	72de	44a-d	19c-e	6a-e	1249
ARSOK R93-10	5986a-d	105	71a	67e-g	48a-c	17de	5b-e	1222
ARSOK R95-1	5727a-d	101	72a	73de	44a-d	20c-e	6a-e	1185
ARSOK R96-7	4905cd	86	71a	71de	53a	10fg	4c-e	1001
ARSOK 96-8	4694d	82	65b-e	80bc	51ab	6g	2e	877
ARSOK R106-1L	5308a-d	93	61ef	99a	44a-d	9g	3de	931
ARSOK R106-9L	5759a-d	101	70ab	67e-g	41b-d	21c-e	6a-e	1159
ARSOK R107-2L	6099a-c	107	63d-e	63h-i	31ef	23bc	5b-e	105
ARSOK R109-1L	5937a-d	89	64c-e	71de	35de	22b-d	3de	932
Mean	5695.1		67.1	72.3	39.6	18.9	5.7	
CV	13.8		5.7	5.1	14.4	17.7	36.3	
LSD (0.05)	1309.1		6.4	6.2	9.5	5.5	3.5	
Spanish¹								
AT98-99	6259a	134	67a	54cd	41c-e	19bc	5b	1258
OLé	4130bc	89	69a	58ab	52ab	14d	2c	855
Schubert	4792bc	103	69ab	47fg	27f	28a	9a	920
Span17	5211ab	112	67a	56bc	44b-d	18cd	4bc	1047
Tamnut OL06	4014c	86	65ab	45g	28f	27a	9a	783
ARSOK S88-2	4050c	87	70a	49e-g	38de	23ab	7a	851
ARSOK S96-5	5066bc	109	69a	62a	57a	7e	3bc	1049
ARSOK S104-2E	4162bc	89	67a	51d-f	44b-d	18cd	4bc	837
ARSOK S104-3E	4195bc	90	60b	50d-f	34ef	19c	4bc	755
ARSOK S105-2E	4114bc	88	67a	50d-f	43b-e	18cd	3bc	827
ARSOK S105-3E	4872bc	105	69a	52de	48a-c	18cd	4bc	1009
ARSOK S105-4E	5001bc	107	66ab	50d-f	43b-e	17cd	4bc	990
Mean	4655.8		66.7	52.0	41.6	18.4	5.0	
CV	14.4		5.6	4.8	13.4	14.7	27.1	
LSD (.05)	1132.8		6.3	4.2	9.4	4.7	2.3	
Virginia¹								
ACI351	5776a-c	110	68a	99a	47a-c	18a-c	2b-d	1238
Comrade	5114b-e	97	65ab	100a	44bc	16a-c	3bc	1043
Contender	5534a-d	105	67b	84de	46a-c	16a-c	3a-c	1174
Jupiter	6405a	122	68a	94a-d	48ab	15a-d	1d	1364
ARSOK V98	4534e	86	66ab	87c-e	42bc	18a-c	4ab	941
ARSOK V99	4937c-e	94	68a	95a-d	54a	12cd	3a-c	1051
ARSOK V100-1	5227b-e	100	66ab	99a	49ab	11cd	2b-d	1096
ARSOK V100-2	4936c-e	94	60c	78e	46bc	9d	2b-d	943
ARSOK V101-1	5921ab	113	68a	87b-e	40c	21a	5a	1280
ARSOK V103-1	5421b-d	103	66ab	97a-c	43bc	20ab	3bc	1137
ARSOK V103-4	4759de	91	66ab	95a-d	47a-c	15a-d	2cd	998

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 v103-5	4453e	85	63bc	95a-d	44bc	12b-d	3b-d	893
Mean	5251.4		66.3	91.7	45.9	15.2	2.8	
CV	9.9		3.8	7.3	10.3	29.8	31.7	
LSD (.05)	871.9		4.2	11.3	7.9	7.6	1.5	

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

⁵Calculated based on peanut market-type contract price 2021 (\$575 for runners; \$60 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.