



Table 4. Yield, grade, average seed weight, seed size distribution and value per acre for entries averaged across all locations tested in the 2021 Oklahoma peanut variety trial.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	4867	106	72a	62gh	23f	38a	8a	1007
ACI476	4958	108	63c	59h	24f	31ab	7ab	898
ACI3321	5092	111	65bc	70d-f	30ef	27bc	6a-c	952
Lariat	4780	104	72a	70d-f	36c-e	26bc	6a-c	989
ARSOK R90-12	4125	90	71a	78b-c	37c-e	26bc	5b-e	842
ARSOK R91-2	4662	102	71a	79b	42a-d	24bc	4ef	952
ARSOK R92-13	4436	97	69ab	82b	42a-d	20cd	4ef	880
ARSOK R93-1	4635	101	72a	75cd	45a-c	22bc	4ef	959
ARSOK R93-10	4641	101	69ab	70d-f	40b-d	26bc	4ef	921
ARSOK R95-1	4743	103	71a	73de	37c-e	27bc	4ef	968
ARSOK R96-7	4205	92	71a	75cd	50a	13de	4ef	858
ARSOK 96-8	3941	86	68a-c	81b	39ab	10e	2f	770
ARSOK R106-1L	4555	99	63c	103a	45a-c	10e	3ef	825
ARSOK R106-9L	4415	96	72a	68ef	39c-e	24bd	5b-e	914
ARSOK R107-2L	4710	103	69ab	66ef	37c-e	24bd	5b-e	934
ARSOK R109-1L	4608	100	69ab	71de	34de	26bc	4ef	914
Mean	4586.2		69.2	73.9	38.1	22.9	4.8	
CV	29.5		7.5	7.3	27.3	40.2	44.2	
LSD (0.05)	ns		4.8	5.0	9.7	8.6	1.9	
Spanish¹								
AT98-99	4673a	131	68ab	53c	41de	20cd	5bc	953
OLé	3566a-c	100	68ab	58b	50b	14g	3d	727
Schubert	3882ab	109	65c-e	49ef	25g	30a	9a	757
Span17	4334ab	121	69a	57b	47b	17ef	4cd	897
Tamnut OL06	3382bc	95	66a-e	47f	29f	26b	8a	670
ARSOK S88-2	3258bc	91	69a	50de	40e	22c	6b	674
ARSOK S96-5	3748a-c	105	67a-c	61a	56a	7h	3d	753
ARSOK S104-2E	3269bc	92	68ab	53c	46bc	17e-g	4cd	667
ARSOK S104-3E	2893c	81	64e	50de	40e	18de	4cd	555
ARSOK S105-2E	2973c	83	65c-e	49ef	41c-e	17ef	4cd	580
ARSOK S105-3E	3517a-c	99	67a-c	53cd	47b	15fg	3d	707
ARSOK S105-4E	3334bc	93	67a-c	51c-e	45b-d	15e-g	4cd	670
Mean	3569.5		66.7	52.6	42.2	18.2	4.8	
CV	36.7		5.1	6.2	11.1	16.3	36.2	
LSD (.05)	1226.7		3.2	3.1	4.5	2.7	1.6	
Virginia¹								
ACI351	4592ab	106	65bc	98bc	44	16a-c	3	943
Comrade	4286ab	99	68ab	107a	48	14b-d	2	913
Contender	4829a	112	69ab	87ef	48	17ab	2	1054
Jupiter	5012a	116	66bc	89d-f	44	17ab	3	1037
ARSOK V98	3732b	86	66bc	87ef	42	18a	3	775
ARSOK V99	4017ab	93	67a-c	86ef	48	14b-d	3	843
ARSOK V100-1	4270ab	99	65bc	96b-d	49	11d	2	883
ARSOK V100-2	4006b	93	63c	99a0c	45	10d	2	801
ARSOK V101-1	4651ab	71a	71a	82f	49	17ab	2	1048
ARSOK V103-1	4456ab	103	66bc	91c-e	48	16ac	3	935
ARSOK V103-4	4216ab	65bc	100ab	100ab	48	12cd	2	872

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	3678b	85	64c	92b-d	44	14b-d	3	749
Mean	4315.6		66.3	93.1	46	14.6	2.8	
CV	25.8		7.3	9.5	19.4	18.7	61.9	
LSD (.05)	1042.4		4.5	8.2	ns	3.9	ns	

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.