



Table 1. Yield, grade, average seed weight, seed size distribution and value per acre for entries in the Caddo County Oklahoma Agricultural Experiment Station in Fort Cobb, 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 | 5070a | 108 | 70b | 60ij | 32hi | 61a | 4b-d | 843 |
| ACI476 | 4952ab | 106 | 70ab | 57ij | 25i | 57a-c | 6a-d | 823 |
| ACI3321 | 4906ab | 105 | 68bc | 67f-i | 25i | 53a-d | 8ab | 792 |
| Georgia 09B | 3810cd | 81 | 72ab | 61h-j | 51c-f | 46d-f | 4b-d | 652 |
| Georgia 14N | 4109b-d | 88 | 69a-c | 56j | 34hi | 49c-e | 9a | 673 |
| Lariat | 5037a | 107 | 70ab | 69d-g | 42e-g | 48c-f | 4b-d | 837 |
| Tamrun OL11 | 3506d | 75 | 68bc | 70c-e | 42e-g | 44e-h | 7a-c | 566 |
| Webb | 4788ab | 102 | 69a-c | 66g-i | 42e-g | 50c-e | 4b-d | 785 |
| ARSOK R47A | 4944ab | 105 | 69a-c | 70c-e | 36hi | 56a-c | 3e-d | 810 |
| ARSOK 90-12 | 4766ab | 102 | 72ab | 70c-e | 37gh | 58ab | 4b-d | 815 |
| ARSOK 91-2 | 4822ab | 103 | 71ab | 76b-d | 56b-d | 40f-h | 3e-d | 813 |
| ARSOK R92-13 | 5090a | 108 | 73a | 74b-e | 49 | 48c-f | 3e-d | 882 |
| ARSOK R93-1 | 4882ab | 104 | 72ab | 74b-e | 60bc | 35hi | 3e-d | 835 |
| ARSOK R93-10 | 4580a-c | 98 | 70ab | 68e-h | 39f-g | 46d-f | 4b-d | 761 |
| ARSOK R94-4 | 4953ab | 106 | 69a-c | 79ab | 53c-e | 40f-h | 3e-d | 812 |
| ARSOK R95-1 | 4900ab | 104 | 72ab | 74b-e | 45d-g | 53a-d | 3e-d | 838 |
| ARSOK R96-7 | 4931ab | 105 | 72ab | 77bc | 67ab | 29i | 2d | 843 |
| ARSOK R96-8 | 4406a-d | 94 | 68bc | 86a | 79a | 12j | 2d | 712 |
| Mean | 4692 | | 70 | 70 | 45 | 46 | 4 | |
| CV | 13.8 | | 2.7 | 5.1 | 9.7 | 6.7 | 3.5 | |
| LSD (0.05) | 919 | | 4 | 7 | 12 | 9 | 4 | |
| Spanish¹ | | | | | | | | |
| AT98-99 | 4367 | 105 | 71ab | 51b | 55c | 37 | 8ab | 736 |
| OLé | 4097 | 98 | 69bc | 51b | 66b | 24 | 4bc | 671 |
| Schubert | 3642 | 87 | 65c | 49bc | 42d | 39 | 11a | 562 |
| Span17 | 4439 | 106 | 74a | 60a | 80a | 22 | 3c | 780 |
| Tamnut OL06 | 4256 | 102 | 69bc | 47c | 56c | 34 | 6bc | 697 |
| ARSOK S88-2 | 4232 | 101 | 70b | 49bc | 52c | 35 | 4bc | 704 |
| Mean | 4172 | | 70 | 51 | 58 | 32 | 6 | |
| CV | 13.3 | | 2.5 | 2.7 | 3.5 | 7.1 | 20.1 | |
| LSD (.05) | 823(ns) | | 4 | 4 | 4 | 7 | 4 | |
| Virginia¹ | | | | | | | | |
| ACI351 | 4666bc | 103 | 67a | 95c | 67e | 24e | 6c | 766 |
| Contender | 5604a | 125 | 70a | 90d | 75a | 21f | 4cd | 958 |
| Jupiter | 4867bc | 108 | 69a | 81ef | 61g | 29c | 5cd | 819 |
| VENUS | 4580c | 101 | 66bc | 80ef | 64f | 29c | 4cd | 740 |
| NCEX1 | 4774bc | 106 | 68a | 98b | 72c | 23e | 4cd | 796 |
| NCEX2 | 4695bc | 104 | 68a | 100a | 74b | 20fg | 2d | 784 |
| NCEX7 | 4699bc | 104 | 65bc | 91cd | 67e | 20fg | 6c | 749 |
| NCEX17 | 5074b | 112 | 69a | 100a | 76a | 19g | 4cd | 858 |
| NCEX20 | 4895bc | 108 | 68a | 101a | 76a | 18g | 2d | 817 |
| NCEX22 | 4825bc | 107 | 65bc | 101a | 72c | 26d | 2d | 770 |
| ARSOK V-98 | 4174cd | 92 | 65bc | 77g | 59h | 30bc | 6c | 665 |
| ARSOK V-99 | 4331cd | 96 | 64c | 77g | 67e | 19g | 8b | 682 |
| ARSOK V-100-1 | 3990d | 88 | 69a | 89d | 70d | 24e | 5cd | 678 |

| 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 | 4056d | 90 | 65bc | 83e | 68e | 7i | 7b | 650 |
| ARSOK V-101-1 | 4617bc | 102 | 66bc | 68ij | 60g | 28c | 5cd | 745 |
| ARSOK V-103-1 | 4260cd | 94 | 64c | 80ef | 64f | 24e | 5cd | 670 |
| ARSOK V-103-3 | 4183cd | 93 | 63cd | 73h | 58h | 28c | 7b | 646 |
| ARSOK V-103-4 | 3752d | 83 | 61d | 67j | 61g | 15h | 24a | 565 |
| ARSOK V-103-5 | 3808d | 84 | 64c | 70i | 53i | 32a | 7b | 597 |
| Mean | 4519 | | 66 | 85 | 67 | 22 | 6 | |
| CV | 11.1 | | 4.2 | 15.7 | 8.8 | 2.0 | 7.5 | |
| LSD (.05) | 467 | | 2.4 | 2.1 | 1.8 | 1.2 | 1.7 | |

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.