

Table 2. Agronomic and shelling characteristics for entries in the 2023 Oklahoma Peanut Variety Trial. Location: Shantz Farms in Hydro.⁶

| | Yield | % of Trial | Grade ² | SMK/100 ³ | ELK ⁴ | MED ⁴ | No.1 ⁴ | Shelling | Value ⁵ |
|---|-------------|------------|--------------------|----------------------|------------------|------------------|-------------------|------------|--------------------|
| Entry | (lb/A) | Average | (%TSMK) | (g) | % | | | | (\$/A) |
| Runner¹ | | | | | | | | | |
| ACI 080 | 6669c | 102 | 73a | 62e | 34cd | 37a | 24cd | 75a | 1,643 |
| ACI 476 | 6822c | 104 | 71b | 61e | 48a | 29c | 22d | 73c | 1,635 |
| ACI 509 | 5044e | 77 | 71b | 58f | 36c | 35b | 24cd | 74b | 1,209 |
| ACI 3321 | 6947abc | 106 | 72ab | 66c | 41b | 29c | 29b | 75a | 1,688 |
| Lariat | 7275a | 111 | 72ab | 68b | 44b | 27d | 25c | 75a | 1,768 |
| ARSOK R95-1 | 5667d | 87 | 70c | 67bc | 32d | 30c | 35a | 72d | 1,339 |
| ARSOK R106-9L | 6869b | 105 | 72ab | 64d | 45a | 23e | 25c | 75a | 1,669 |
| ARSOK R109-1L | 7088ab | 108 | 73a | 70a | 42ab | 27d | 23cd | 75a | 1,746 |
| Mean | 6548 | | 72 | 65 | 40 | 30 | 26 | 74 | |
| Standard Error | 371 | | 1.3 | 1.8 | 3 | 1.6 | 2.5 | 0.8 | |
| Spanish*** Valencia** Small Seeded Runner*^{1,7} | | | | | | | | | |
| AT9899 (S)* | 5558bc | 111 | 66b | 48bc | 58f | 23cd | 21b | 69b | 1,284 |
| OLé*** | 4890c | 98 | 64c | 51b | 77bc | 16f | 5e | 68b | 1,096 |
| Schubert*** | 3455f | 69 | 59ef | 30d | 46h | 29a | 23ab | 64d | 713 |
| Span17 (S)* | 6568a | 131 | 71a | 52b | 73cd | 20e | 5e | 73a | 1,632 |
| TamVal OL14** | 4689de | 94 | 62d | 53b | 53g | 23cd | 22ab | 66c | 1,381 |
| ARSOK S95-1 (S)* | 5456bc | 109 | 64c | 59a | 69d | 10g | 15c | 68b | 1,222 |
| ARSOK S104-2E*** | 5273cd | 105 | 65b | 46bc | 66d | 25bc | 6d | 68b | 1,200 |
| ARSOK S104-3E*** | 5591b | 112 | 63cd | 47bc | 64e | 20e | 10d | 66c | 1,233 |
| ARSOK S105-3E*** | 5057cd | 101 | 63cd | 48bc | 73cd | 17f | 8de | 67bc | 1,115 |
| ARSOK S105-4E*** | 4946cd | 99 | 61de | 50b | 74c | 15f | 8de | 66c | 1,056 |
| ARSOK S1071L (S)* | 5953b | 119 | 69a | 58a | 80b | 11g | 6e | 72a | 1,438 |
| NM310** | 3843ef | 77 | 65bc | 43c | 47h | 26b | 23ab | 69b | 1,187 |
| IPG 1288 (V)* | 5774bc | 115 | 71a | 60a | 94a | 5h | 0f | 73a | 1,947 |
| NMKC5** | 4330e | 87 | 60e | 48bc | 40i | 22de | 21b | 65cd | 1,234 |
| NMM6** | 4128e | 82 | 61de | 47bc | 49gh | 21de | 25a | 66c | 1,196 |
| NMPR25** | 4569de | 91 | 63cd | 45c | 38i | 26b | 20b | 68b | 1,367 |
| Mean | 5005 | | 64 | 49 | 63 | 19 | 14 | 68 | |
| Standard Error | 562 | | 1.4 | 4 | 4 | 2 | 3 | 1.1 | |
| Virginia¹ | | | | | | | | | |
| Bailey II | 6908b | 103 | 68b | 89 | 48a | 37b | 11d | 69c | 1,644 |
| Comrade | 7703a | 114 | 70a | 108 | 46b | 38ab | 10d | 73a | 1,887 |
| Emery | 7368ab | 109 | 69ab | 90 | 48a | 37b | 14c | 71b | 1,779 |
| ARSOK V98 | 5794c | 86 | 65c | 87 | 39e | 40a | 18b | 67e | 1,318 |
| ARSOK V99 | 6515b | 97 | 68b | 87 | 48a | 31c | 17b | 69c | 1,551 |
| ARSOK V102-5 | 5733c | 85 | 68b | 82 | 43c | 25d | 21a | 69c | 1,364 |
| ARSOK V103-1 | 6812b | 101 | 68b | 81 | 45b | 28cd | 18b | 69c | 1,621 |
| ARSOK V103-3 | 6815b | 101 | 66c | 80 | 41d | 30c | 21a | 68d | 1,574 |
| Mean | 6706 | | 68 | 88 | 45 | 33 | 16 | 69 | |
| Standard Error | 538 | | 1 | 3 | 1.9 | 2.4 | 1.5 | 0.9 | |

¹ Market Type.

² % TSMK = Percent total sound mature kernels.

³ SMK/100 = Weight of 100 sound mature kernels.

⁴ ELK = % 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"

⁵ Calculated based on peanut market-type contract price per ton 2023 (\$675, runners; \$700, Spanish and Virginia; \$950, Valencia). ELK bonus not added for Virginias.

⁶ Values within the same column followed by the same letter are not significantly different at P = .05. ns = no significant differences.

⁷ Small seeded runners marketed as Spanish (S) or Valencia (V)