



Peanut Variety Fact Sheet

'ARNIE'

The University of Florida peanut breeding program has released 'Arnie', a new normal oleic runner type peanut cultivar. 'Arnie', released in January 2024, was tested over a five-year period. 'Arnie' has exceptional pod yield potential and high grades. In twenty-three experiments, 'Arnie' was found to have approximately 12% higher yield than 'Georgia-06G', the dominant normal oleic cultivar grown today, with equal or slightly higher grade of about 78% total sound mature kernels (TSMK). 'Arnie' has outstanding resistance to tomato spotted wilt virus (TSWV), and its resistance to white mold and leaf spot is moderate (similar to 'Georgia-06G'). The TSWV resistance of 'Arnie' is consistently better than 'Georgia-06G' and the TSWV incidence of 'Arnie' is equal to or lower than the best performing varieties (similar to or better than 'Georgia-12Y'). 'Arnie' produced about 38% medium seed and the seed count is about 700-750 seeds per pound, making it smaller seeded than 'Georgia-06G'. 'Arnie' was developed by Dr. Barry Tillman at the UF/IFAS North Florida Research and Education Center. The variety is named in memory and honor of Mr. Arnold Forrester, a strong supporter of peanut research and breeding efforts at UF/IFAS and in the southeastern U.S.

VARIETY SNAPSHOT

CATEGORY	CHARACTERISTICS
Pod Yield Potential	Excellent: 'Arnie' was found to have yield potential of over 6,800 pounds/acre, about 12% higher yield than 'Georgia-06G'. The grade of 'Arnie' was about 78% TSMK, which was similar to or slightly higher than 'Georgia-06G'.
Seed Size	Medium: about 700- 750 seeds per pound. The percentage of 'Arnie' seeds that are classified as "Medium" is about 38%, compared with 26% for 'Georgia-06G' on an in-shell basis
Maturity	Medium: about 140 days under irrigation
Vine Growth	Moderate: Semi-erect growth habit, prominent center stem, moderate bush size
Disease Management	<u>Spotted Wilt</u> : Outstanding resistance; consistently more resistant than 'Georgia-06G' over 4 years of evaluation. 'Arnie' is among the most re-sistant of all commercial peanut varieties. <u>White Mold</u> : Moderate resistance, similar to 'Georgia-06G' <u>Leaf Spot</u> : Moderate resistance, similar to 'Georgia-06G'. Benefits from strong leaf spot fungicide program.
IP Status	U.S. PVP 202400260, U.S. Utility Patent Pending

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