

Characterization of a New Virginia-type Peanut Cultivar “AU14-34”

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The original pure breeding line ‘AU14-34’ originated as an F₆ single-plant selection from the cross of FL-07 x Va98R. ‘Florida-07’, a runner-type peanut with high oleic fatty acid trait, was developed from a breeding line 89xOL14-11-1-1-1-b2-B and C99R by Gorbet et al. (2009) and VA98R (PVP 9,900,419), a Virginia peanut, developed at the Tidewater Agricultural Research and Experiment Station in Suffolk, VA (R. Walton Mozingo et al. 2000). The new cultivar is a Virginia-type peanut. It has a prostrate growth habit with a main stem. Seeds of ‘AU14-34’ are pink testa seed coats. ‘AU14-34’ flowers approximately 35 days after planting and is of medium maturity of 140 days in the Southeastern growing region. It is high-yielding, tomato spot wilted virus (TSWV) resistant, leaf spots tolerant, high grade, and superior shelling characteristics. It has high oleic fatty acid content and good flavor. The hundred seed weight of ‘AU14-34’ is 95.5 g. The foundation seeds will be produced in 2021.