

Relative Performance of a New Multiple Disease Resistant High Oleic Runner Variety from ACI Seeds Compared with Commercially Available Runner Varieties

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The high oleic peanut variety ACI 3321 was developed using the traditional pedigree selection method of breeding. Plant selections were made in breeding nurseries with heavy disease pressure of TSWV, white mold (stem rot), and leaf spot. Chemical applications of fungicides were kept to a minimum at 4 applications during the growing season. This variety has been shown to have high levels of resistance to all three diseases and still maintains high yield potential competitive with both high oleic and low oleic varieties currently in commercial production. The variety has been tested in multiple locations across Georgia, Alabama and South Carolina with consistent results indicating relative stability over environments. Foundation seed will be available in 2019.