

## **A New Nematode Resistant, High Oleic Virginia-type Peanut for the South East.**

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A new nematode resistant, high oleic Virginia-type peanut will be released from the USDA-ARS breeding program in Tifton, GA. Marker-assisted selection was used to incorporate nematode resistance from Tifguard and high oleic acid seed chemistry from N08082oIJCT (high oleic breeding line similar to Bailey). Initial testing showed that '13-3532' showed similar yield, fancy pod percentage, pod brightness, and SMK to Bailey. Further testing in nematode infested fields over three years confirmed a significant yield advantage. A further two years of testing in unsprayed tests showed strong leaf spot tolerance especially compared to Georgia-06G, 13M, and 14N. In the 2018 Uniform Peanut Performance Trials (UPPT), '13-3532' had equal or higher yields than Bailey at all locations with similar fancy pods, TSMK, and SMK. In Tifton, GA, '13-3532' had similar yield to University of Georgia new release 'GA132724' and higher fancy pod percentage. Bred for the South Eastern US but exhibiting tried and true genetics for the Carolinas and Virginia, '13-3532' is as hardy as it is versatile, competing in all environments, and shining under the most adverse conditions.