

'GEORGIA-19HP'

A New High-Yielding, High-Protein, High-Oleic, TSWV- and RKN-Resistant, and Leaf Spot-Resistant, Virginia-Type Peanut Variety

by

Dr. Wm. D. Branch and Dr. T. B. Brenneman
University of Georgia
Coastal Plain Expt. Station
Tifton Campus

'Georgia-19HP' is a new high-yielding, high-protein, high-oleic, TSWV and RKN-resistant, leaf spot-resistant, virginia-type peanut variety that was released in 2019 by the Georgia Agricultural Experiment Stations. It was developed at the University of Georgia, Coastal Plain Experiment Station in Tifton, GA.

Georgia-19HP is similar to other high-oleic, virginia-type varieties in having the high-oleic fatty acid profile. However, during three-years averaged over multiple location tests in Georgia, Georgia-19HP had the highest pod yield, TSMK grade, dollar value, and number of seed per pound compared to the virginia-type varieties Georgia-11J and Bailey. Likewise, Georgia-19HP was found to have a lower percent TSWV and total disease incidence than Georgia-11J and Bailey (Table 1).

Georgia-19HP combines TSWV-resistance, RKN-resistance, leaf spot-resistance, and high yield, grade, and dollar value with high-protein and high-oleic trait. However, only Foundation Seed supplies will be available for Georgia-19HP in the 2020 planting season.

Table 1. THREE-YEAR (30 TESTS) AVERAGE DISEASE INCIDENCE, POD YIELD, TSMK AND ELK GRADE, SEED WEIGHT, AND DOLLAR VALUES OF GEORGIA-19HP VS. GEORGIA-11J AND BAILEY AT MULTILOCATIONS IN GEORGIA, 2016-18.

Virginia Cultivar	TSWV (%)	TD (%)	Yield (lb/a)	TSMK (%)	ELK (%)	Seed (no./lb)	Value (\$/a)
Georgia-19HP	4	13	4869	75	53	554	933
Georgia-11J	8	19	4762	72	57	435	884
Bailey	7	19	3945	69	36	526	699