‘GEORGIA-24NHO’
A New High-Yielding, Very High-Oleic, TSWV-Resistant, RKN-Resistant, Runner-Type Peanut Variety

By

Dr. William D. Branch
University of Georgia
Coastal Plain Expt. Station
Tifton Campus

‘Georgia-24NHO’ is a new high-yielding, very high-oleic, TSWV-resistant and root-knot nematode (RKN) resistant, runner-type peanut variety that was released in 2024 by the Georgia Agricultural Experiment Stations. It was developed at the University of Georgia, Coastal Plain Experiment Station in Tifton, GA. Georgia-24NHO has a lower total disease incidence and a significantly higher pod yield compared to the Georgia-14N in Georgia (Table 1). It also has a higher percentage of fancy pods (Table 2) and a higher percentage of jumbo seed size (Table 3) compared to Georgia-14N. Georgia-24NHO combines high yield and dollar values with high TSWV-resistance and RKN-resistance in a large-seeded, very high-oleic, runner-type peanut variety. Very limited seed supplies will be available of Georgia-24NHO for 2025. All Breeder Seed for this upcoming year will go toward Foundation Seed increase.

Table 1. THREE-YEAR (13 TESTS) AVERAGE DISEASE INCIDENCE, POD YIELD, TOTAL SOUND MATURE KERNELS (TSMK), SEED COUNT, AND DOLLAR VALUES OF GEORGIA-24NHO VS GEORGIA-14N ANOTHER HIGH-OLEIC, TSWV AND RKN-RESISTANT, RUNNER-TYPE, PEANUT VARIETY AT MULTILOCATIONS IN GEORGIA, 2021-23.

Runner Variety	TSWV[1] (%)	TD[2] (%)	Yield (lb/a)	TSMK[3] (%)	Seed (no./lb)	Value ($/a)
Georgia-24NHO	11	25	4843	76	635	892
Georgia-14N	10	31	4218	76	780	767

Table 2. THREE-YEAR (5 TESTS) AVERAGE POD PRESIZER DISTRIBUTION OF GEORGIA - 24NHO VS GEORGIA-14N, 2021-23.

Runner Variety	Fancy Pods (%)	Red Pan +38/64” (%)	White Pan -33/64 + 34/64” (%)	Blue Pan -34/64” (%)
Georgia-24NHO	81	12	69	19
Georgia-14N	21	1	20	79

Table 3. THREE-YEAR (5-TESTS) AVERAGE SHELLING PERCENTAGE OUTTURN OF GEORGIA-24NHO VS GEORGIA-14N, 2021-23.

Runner Variety	Jumbo (%)	Med. (%)	No. 1 (%)	TSMK (%)	OK (%)	DK (%)	Meat (%)	Hull (%)
Georgia-24NHO	54	19	2	75	1	0	79	21
Georgia-14N	41	29	5	75	2	0	79	21

[1]Tomato Spotted Wilt Virus [2]Total Disease [3]Total Sound Mature Kernels