

'GEORGIA-18RU'

A New High-Yielding, Normal-Oleic, TSWV-Resistant, and Leaf Scorch-Resistant, Medium-Large Seeded, Runner-Type Peanut Variety

by

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'Georgia-18RU' is a new high-yielding, normal-oleic, TSWV-resistant, leaf scorch-resistant, medium-large seeded, runner-type peanut variety that was released in 2018 by the Georgia Agricultural Experiment Stations. It was developed at the University of Georgia, Coastal Plain Experiment Station in Tifton, GA.

Georgia-18RU is similar to other normal-oleic, runner-type varieties in having the normal-oleic fatty acid profile. However, during five-years averaged over multiple location tests in Georgia, Georgia-18RU had the highest percent TSMK grade and the lowest number of seed per pound compared to the Georgia-06G runner-type variety. Georgia-18RU was likewise found to have a similar low percent TSWV and total disease incidence, high yield and dollar value return per acre as Georgia-06G (Table 1).

During 2018, Georgia-18RU was also found to have lower TSWV and total disease percentage with higher yield, grade, and dollar values compared to five high-oleic runner-type varieties: FloRun '331', TUFRunner '297', TUFRunner '511', AU-NPL 17, and ACI 3321 (Table 2). Georgia-18RU combines TSWV-resistance, leaf scorch-resistance, and high yield, grade, and dollar value with medium-large runner seed size, and the normal-oleic trait.

Very limited seed supplies will be available for Georgia-18RU in the 2019 planting season. So, interested seedmen and growers should consider an early seed request for the upcoming growing season.

Table 1. FIVE-YEAR (34 TESTS) AVERAGE DISEASE INCIDENCE, POD YIELD, TSMK GRADE, SEED COUNT, AND DOLLAR VALUES OF GEORGIA-18RU VS. GEORGIA-06G AT MULTILOCATIONS IN GEORGIA, 2013-17.

Runner Variety	TSWV (%)	TD (%)	Yield (lb/a)	TSMK (%)	Seed (no./lb)	Value (\$/a)
Georgia-18RU	5	17	5210	79	667	1000
Georgia-06G	5	16	5351	76	625	982

Table 2. AVERAGE FIELD PERFORMANCE OF GEORGIA-18RU VS. FIVE HIGH-OLEIC RUNNER-TYPE VARIETIES OVER MULTILOCATIONS IN GEORGIA, 2018.

Runner Variety	TSWV (%)	TD (%)	Yield (lb/a)	TSMK (%)	Seed (no./lb)	Value (\$/a)
Georgia-18RU	3	12	5140	78	706	970
*FloRun '331'	6	18	5022	75	731	913
*TUFRunner '297'	4	15	4915	75	626	899
*TUFRunner '511'	10	37	4465	75	654	812
*AU-NPL 17	5	14	4450	73	696	783
*ACI 3321	6	16	4264	72	676	744

*High-Oleic