

‘GEORGIA-22MPR’

A New High-Yielding, High-Oleic, TSWV-Resistant, RKN-Resistant, Leafhopper-Resistant, Runner-Type Peanut Variety

By

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‘Georgia-22MPR’ is a new high-yielding, high-oleic, TSWV-resistant, root-knot nematode resistant, and potato leafhopper-resistant, runner-type peanut variety that was released in 2022 by the Georgia Agricultural Experiment Stations. It was developed at the University of Georgia, Coastal Plain Experiment Station in Tifton, GA.

Georgia-22MPR has a significantly higher pod yield and dollar value return per acre compared to the Georgia-14N and TifNV-High O/L varieties in Georgia (Table 1). It also has lower TSWV and total disease incidence than these other two high-oleic, RKN-resistant runner varieties. Georgia-22MPR 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-22MPR combines high yield and dollar values with high TSWV-resistance, RKN-resistance, and leafhopper-resistance in a high-oleic, medium-large seeded, runner-type peanut variety.

Very limited seed supplies will be available for Georgia-22MPR in the 2023 planting season. So, interested seedmen and growers should consider an early seed request for the subsequent growing seasons.

Table 1. FOUR-YEAR (27 TESTS) AVERAGE DISEASE INCIDENCE, POD YIELD, TSMK GRADE, SEED COUNT, AND DOLLAR VALUE OF GEORGIA-22MPR VS TWO OTHER RKN-RESISTANT RUNNER-TYPE PEANUT VARIETIES IN NON-RKN FIELD TESTS AT MULTIPLE LOCATIONS IN GEORGIA, 2018-21.

Runner Variety	TSWV (%)	TD (%)	Yield (lb/a)	TSMK (%)	Seed (no./lb)	Value (\$/a)
Georgia-22MPR	5	11	4876	75	673	890
Georgia-14N	8	18	4480	76	763	834
TifNV-High O/L	9	18	4588	74	648	819

Table 2. THREE-YEAR (8 TESTS) AVERAGE POD PRESIZER DISTRIBUTION OF GEORGIA-22MPR VS. GEORGIA-14N, 2017-19.

Runner Variety	Fancy Pods (%)	Red Pan +38/64" (%)	White Pan -38/64 + 34/64" (%)	Blue Pan -34/64" (%)
Georgia-22MPR	28	0	28	72
Georgia-14N	5	0	5	95

Table 3. THREE-YEAR (8 TESTS) AVERAGE SHELLING OUTTURN OF GEORGIA-22MPR VS. GEORGIA-14N, 2017-19.

Runner Variety	Jumbo (%)	Med (%)	No. 1 (%)	TSMK (%)	OK (%)	DK (%)	Meat (%)	Hull (%)
Georgia-22MPR	47	22	2	77	2	0	79	21
Georgia-14N	38	30	6	78	2	0	80	20