

“GEORGIA-06G” and “GEORGIA GREENER”

Two New High-Yielding, TSWV-Resistant, Runner-Type Peanut Varieties

by

Dr. Wm. D. Branch
Professor/Peanut Breeder
University of Georgia

“Georgia-06G” and **“Georgia Greener”** are two new high-yielding, TSWV-resistant, runner-type peanut varieties that were released in 2006 by the Georgia Agricultural Experiment Stations. Both were developed at the University of Georgia, Coastal Plain Experiment Stations in Tifton, GA.

Georgia-06G and Georgia Greener have high levels of resistance to tomato spotted wilt caused by *Tomato spotted wilt virus* (TSWV). Each are intended for the same market as other runner-types. However, Georgia-06G is a large-seeded runner-type variety; whereas, Georgia Greener is more of a regular-seeded runner-type variety. Both varieties have an intermediate decumbent runner growth habit, tan seedcoat color, and medium maturity similar to Georgia Green. Georgia-06G and Georgia Greener, as the name implies, have darker green foliage color.

In several, multilocation tests conducted in Georgia during the past four years (2003-06), Georgia-06G and Georgia Greener were found to be among the lowest in mid-season TSWV incidence and late-season total disease incidence and highest in pod yield, highest in TSMK grade, and highest in dollar value return per acre compared to other runner-types tested each year. Georgia-06G was tested experimentally as GA 011157, and Georgia Greener was tested experimentally as GA 011568.

During 2006, both Georgia-06G and Georgia Greener were compared to five new runner-type varieties over multilocations in Georgia (Table 1). Each were found to be very similar with only one dollar difference, lower in percent disease, higher in yield, grade, and dollar value return per acre compared to Florida-07, AT-3085RO, AT-3081R, York, and McCloud.

Limited seed supplies will be available for Georgia-06G and Georgia Greener in the 2008 planting season. So, interested growers should consider an early seed request for this upcoming growing season.

Table 1. 2006 (9-Tests) Average Field Test Performance of Georgia-06G and Georgia Greener vs. Five Other New Runner-Type Varieties over Multilocations in Georgia.

Runner Variety	Disease (%)	Yield (lb/a)	TSMK (%)	Value (\$/a)
Georgia-06G	22	4467	75	806
Georgia Greener	23	4447	75	805
*Florida-07	32	4379	70	750
*AT-3085RO	32	4063	72	711
AT-3081R	42	4029	70	691
*York	31	4041	69	686
*McCloud	48	3624	72	637

*** High-Oleic**