Report to the
Southeastern Peanut Research Initiative
Final Report, Nov. 6, 2007
On Progress on Research Supported by the Grant

"Seed Size and the Incidence of TSW (tomato spotted wilt) on Selected Peanut Cultivars"

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Update:

A. A field experiment was conducted at the UGA-CPES Rigdon Farm, Tifton, GA in which 4 seed sizes (high count, #1's, mediums and jumbos) of C-99R and Georgia-02C were used as treatments to determine the effect of seed size on plant stand, incidence of tomato spotted wilt, and yield in moderately resistant and more highly resistant peanut cultivars. Stand counts were made in each plot, and plots were rated for early season vigor. Spotted wilt pressure was light in 2006, with highest intensity rating for any treatment 18.1%. Highest ranking incidence of spotted wilt in both cultivars was for the jumbo seed, and lowest ranking was in the high count seed. Across seed size, spotted wilt ratings were lower in Georgia 02C than for C-99R. There were no differences between cultivars or among seed sizes for yield. Yields ranged from 4011 to 4583 lbs/A, but there were no significant cultivar, seed size or cultivar X seed size affects on yield. There was noticeably more "funky leaf spot" in the Georgia-02C than in C-99R.

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