College of Agriculture and Environmental Sciences
Department of Entomology
Thrips as Vectors in Agricultural Commodities Lab

The following report includes data obtained during the period December 4 – December 30 from Brooks, Colquitt, Decatur, and Tift Counties. Two fields were sampled in each of the 4 counties. Five of the target weeds were collected in one or more counties and included Carolina geranium, Florida pusley, wild mustard, cudweed, and purslane. Thrips were extracted from the weeds using Berlese funnels, and the total number of thrips per county ranged from 68 to 490. ELISA was performed on 144 weed samples with 0.2% indicating positive for tomato spotted wilt virus.

County and Field	Number of weed samples collected	Percent TSWV in weed samples	Total number of thrips collected	Number of F. fusca	Number of F. occidentalis
Brooks L1	18	0	45	1	1
Brooks L2	18	0	23	1	0
Colquitt L1	18	0	194	0	17
Colquitt L2	18	0	296	0	0
Decatur L1	18	0	70	0	0
Decatur L2	18	0	217	1	0
Tift L1	18	16.7	___	___	___
Tift L2	18	0	___	___	___

* Based on previous research, incidence of TSWV in more than 2% of weeds results in a high incidence year for the crop.

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