



**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 April 4 to April 25 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, wild mustard, cudweed, sowthistle and purslane. Thrips were extracted from the weeds using Berlese funnels, and the total number of thrips per county ranged from 10 to 228. ELISA was performed on 144 weed samples with 13.2% 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 <i>F. fusca</i>	Number of <i>F. occidentalis</i>
Brooks L1	7	38.1%	46	5	1
Brooks L2	0	0%	0	0	0
Colquitt L1	6	11.1%	228	17	4
Colquitt L2	6	5.6%	10	0	2
Decatur L1	8	4.2%	125	12	0
Decatur L2	6	5.6%	57	4	1
Tift L1	7	23.8%	227	15	3
Tift L2	8	4.2%	137	8	9

* 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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