



**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 – April 19 from Brooks, Colquitt, Decatur, and Tift Counties. Two fields were sampled in each of the 4 counties. Four of the 6 target weeds were collected in one or more counties and included cudweed, chickweed, sowthistle, and Carolina geranium. Thrips were extracted from the weeds using Berlese funnels, and the total number of thrips per county ranged from 27 to 160. ELISA was performed on 165 weed samples with 12.1% 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	21	14	76	7	1
Brooks L2	18	39	24	4	1
Colquitt L1	18	22	99	6	0
Colquitt L2	21	5	59	1	0
Decatur L1	21	10	14	0	0
Decatur L2	18	0	13	0	0
Tift L1	18	17	82	4	1
Tift L2	30	3	78	8	6

* 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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