



**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 January 10 – January 24 from Brooks, Colquitt, Decatur, and Tift Counties. Two fields were sampled in each of the 4 counties. Four of the target weeds were collected in one or more counties and included Carolina geranium, wild mustard, cudweed, and chickweed. Thrips were extracted from the weeds using Berlese funnels, and the total number of thrips per county ranged from 27 to 543. ELISA was performed on 144 weed samples with 4.9% 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	18	0	21	0	1
Brooks L2	18	0	6	0	0
Colquitt L1	18	16.7	539	0	2
Colquitt L2	18	0	4	0	0
Decatur L1	18	0	11	0	0
Decatur L2	18	0	29	0	0
Tift L1	18	5.6	107	0	18
Tift L2	18	16.7	1	0	0

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

Stan Diffie
 Research Professional
 TVAC Lab
diffie@uga.edu

Dr. David Riley
 Associate Professor
 Dept. of Entomology
dgr@tifon.uga.edu