

The following report includes data obtained during the period November 10th - December 3rd from Brooks, Colquitt, Decatur, and Tift Counties. Two fields were sampled in each of the 4 counties. Target weeds were in a transition period between summer/fall and winter/spring. Collected this month in one or more counties were beggarlice, morning glory, Florida pusley, purslane, wild radish, Carolina geranium, cudweed, and Virginia pepperweed. Thrips were extracted from the weeds using Berlese funnels, and the total number of thrips per county ranged from 8 to 216. ELISA was performed on 163 weed samples with 9.2 % 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	22	4.5	7	1	0
Brooks L2	18	0	2	0	0
Colquitt L1	18	22.2	4	0	1
Colquitt L2	18	33.3	37	0	2
Decatur L1	24	0	1	0	0
Decatur L2	21	14.3	7	0	0
Tift L1	21	4.8	180	0	0
Tift L2	21	0	36	0	6

Tift County recorded more vectors than in the other counties. Colquitt Co. fields contained the highest incidence of TSWV. Based on previous research, incidence of TSWV in more than 2% of weeds at the beginning of the growing season results in a high incidence year for the crop.

Stan Diffie
 Research Coordinator
 TVAC Lab
diffie@tifton.uga.edu

Lyndsay Wade
 Coordinating Assistant
 Thrips Risk-Assessment Project

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