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 August 1 to August 16 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 beggar lice, morning glory, Florida pusley and purslane. Thrips were extracted from the weeds using Berlese funnels, and the total number of thrips per county ranged from 26 to 290. ELISA was performed on 156 weed samples with 3.4 % 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	7	4.8 %	290	27	0
Brooks L2	6	0.0 %	219	4	0
Colquitt L1	6	5.6 %	51	0	1
Colquitt L2	6	5.6 %	47	4	0
Decatur L1	6	5.6 %	97	0	0
Decatur L2	8	0.0 %	26	0	0
Tift L1	7	4.8 %	171	1	1
Tift L2	6	5.6 %	44	12	3

* 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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