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 October 4 – October 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 Florida pusley, morning glory, wild mustard, purslane, and beggarweed. Thrips were extracted from the weeds using Berlese funnels, and the total number of thrips per county ranged from 38 to 453 . ELISA was performed on 153 weed samples with ---% 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	18	11.1	44	0	0
Brooks L2	21	14.3	62	0	5
Colquitt L1	18	11.1	400	1	100
Colquitt L2	18	11.1	53	0	0
Decatur L1	18	16.7	16	3	0
Decatur L2	18	22.2	96	5	0
Tift L1	21	14.3	11	4	1
Tift L2	21	9.5	27	7	0

* 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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