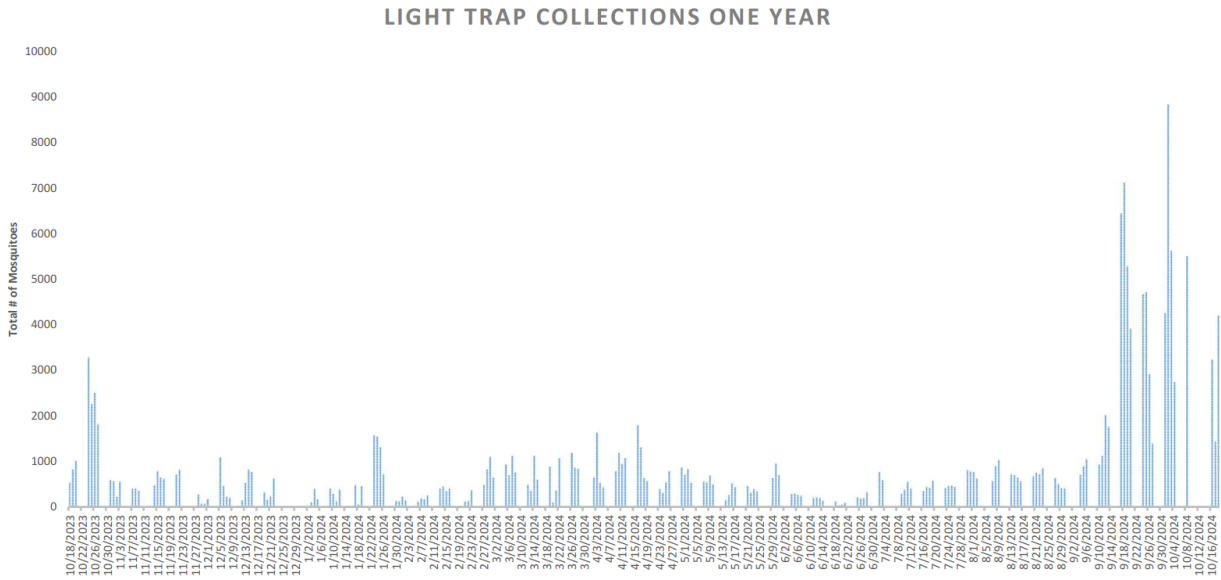


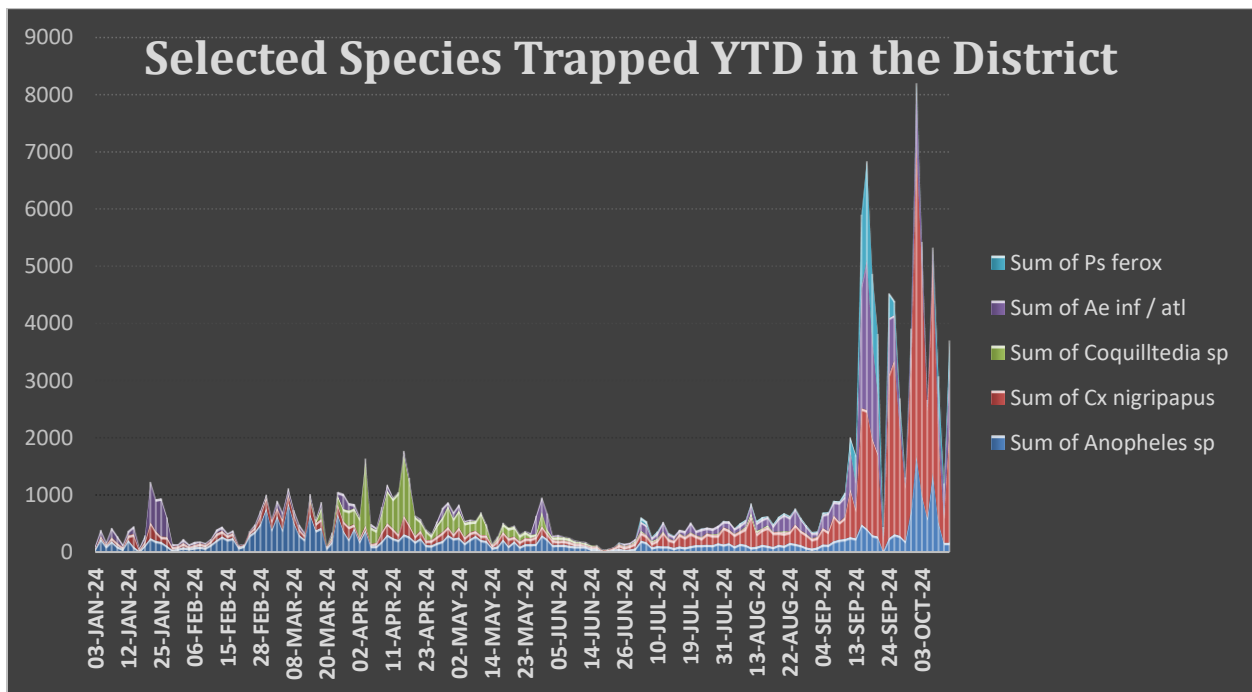


Week of 10/14/2024 Operations Update (42)

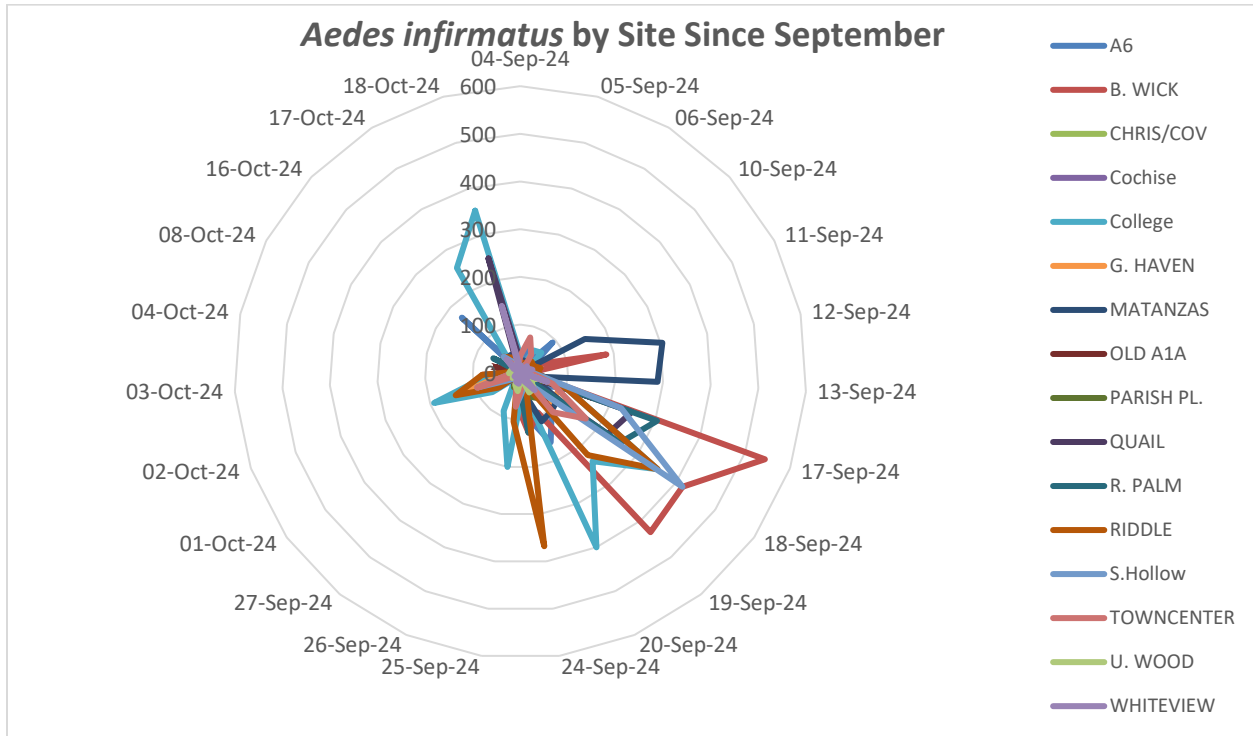
The District resumed normal operation after Hurricane Milton passed to the South on 10/10/2024. The bar graph below shows the total number of adult mosquitoes from all traps in the District for the past year (TTM).



The population of permanent water mosquito species was much reduced this week. The reduction despite flooding rain from the hurricane can be explained by the flushing effect a large volume of continuous rain has on this species breeding areas.



The floodwater mosquito species *Aedes infirmatus* began to emerge post-Hurricane Milton, about eight days after the storm at the “College Site.”



Florida Arbovirus Surveillance Week 42: October 13 - 19, 2024 [View the full report](#)

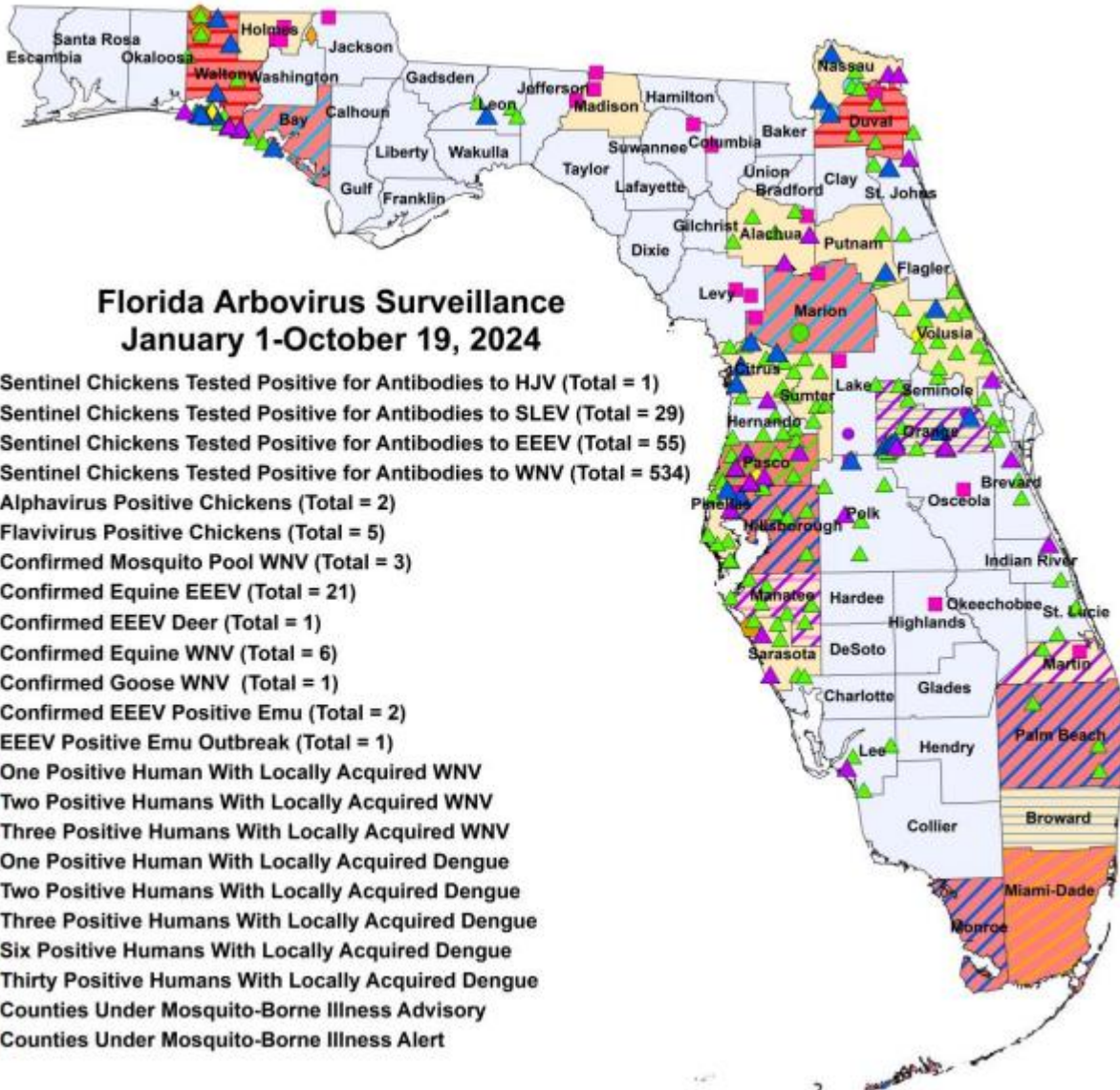
Advisories/Alerts: Alachua, Broward, Citrus, Holmes, Madison, Mantatee, Martin, Nassau, Orange, Pinellas, Putnam, Sarasota, Sumter, and Volusia counties are currently under a mosquito-borne illness advisory. Bay, Duval, Hillsborough, Marion, Miami-Dade, Monroe, Palm Beach, Pasco, and Walton counties are currently 2 under a mosquito-borne illness alert. No other counties are currently under a mosquito-borne illness advisory or alert. There are currently multiple travel health notices from the Centers for Disease Control and Prevention related to mosquito-borne diseases.

WNV activity: Two human cases of WNV infection were reported this week in Bay and Martin counties. No horses with WNV infection were reported this week. Seventy-three sentinel chickens tested positive for antibodies to WNV this week in Alachua, Brevard, Citrus, Duval, Hillsborough, Hernando, Lee, Manatee, Martin, Nassau, Orange, Palm Beach, Pasco, Pinellas, Polk, Seminole, St. Johns, Sumter, Volusia, and Walton.

EEEV activity: No human cases of EEEV infection were reported this week. No horses with EEEV infection were reported this week.

2024 Dengue Cases Acquired in Florida: In 2024, 50 cases of locally acquired dengue have been reported in Broward (2), Hillsborough (3), Manatee, Miami-Dade (30), Monroe (3), Orange (2), Palm Beach (3), and Pasco (6) counties with onset in January (3), February, March (2), April, June (11), July (8), August (14), and September (10).

2024 International Travel-Associated Oropouche Cases: : Eighty-seven cases with onset in 2024 have been reported in individuals with travel history to an Oropouche-endemic area in the two weeks prior to onset. Counties reporting cases were: Broward (3), Collier, Duval, Hillsborough (11), Lee (5), Marion, Miami-Dade (51), Orange (3), Palm Beach (2), Pasco (3), Polk (4), Sarasota, and St. Lucie. Country of origin was Cuba (87).



The Flagler County Emergency Operations Center has requested emergency aerial spraying from the State Department of Agriculture and Consumer Services.

No Spraying this week.