

## Summary of Monitoring and Control for the Mosquito Program for the Week ending June 24, 2016

### ***West Nile Virus (WNV) in and Around Boulder County***

Mosquito activity is similar to last week and mostly low throughout the city except for hotspot locations. The trap at Greenbelt Meadows remains high this week and staff has consulted with the city's mosquito contractor to determine if any measures can be taken by the city or by Greenbelt Meadows' residents to decrease mosquito habitat and harborage.

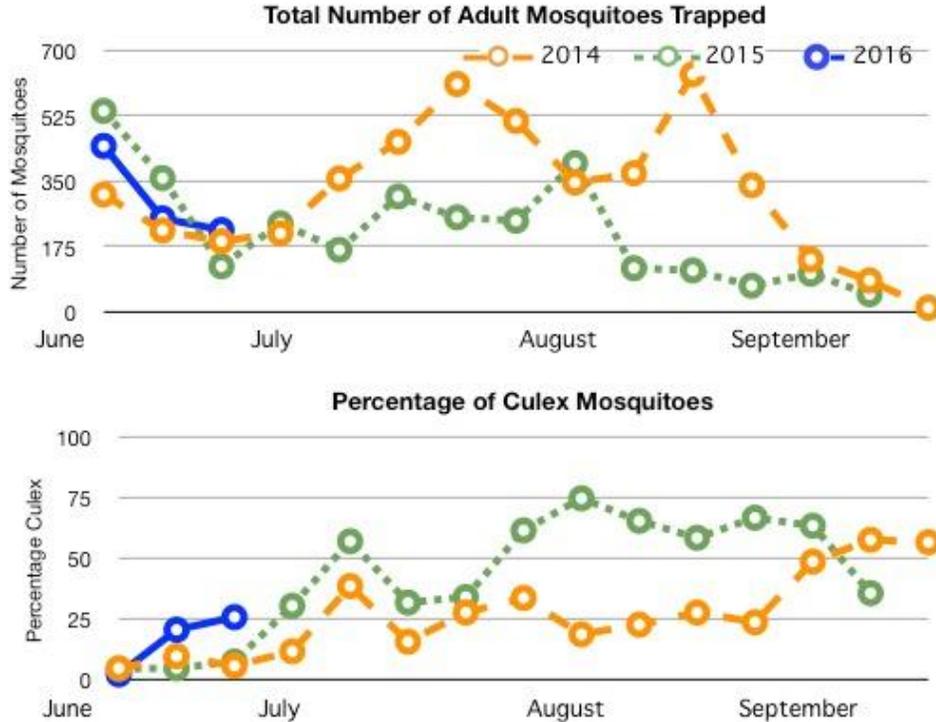
WNV testing of mosquito samples began last week and the results were negative. Results are pending from this week's testing.

Information about reducing mosquito activity and preventing mosquito bites is available at the [Fight the Bite website](#).

### ***Adult Mosquito Trap Numbers***

Adult mosquitoes are monitored from a grid of 16 traps located throughout the city. The mosquitoes are sorted and identified to species. *Culex* species from designated sentinel traps are sent to the Colorado Department of Public Health and Environment to be tested for the presence of WNV. The following table shows the results from surveillance traps.

Date	Total Mosquitoes	Number of <i>Culex</i> Mosquitoes	Percent <i>Culex</i> Mosquitoes	WNV Testing Results
June 7	477	12	2.5%	Not yet testing
June 14	253	53	29.9%	Negative
June 21	222	58	26.1%	Results pending



Weekly mosquito trap results will be charted throughout the season and the results from the previous two years will be included for comparison.

**Nuisance Mosquito Program**

Nuisance mosquito abundance and species composition can be compiled from 12 of the 16 WNV surveillance traps (four traps are specific for *Culex* mosquitoes), providing information about nuisance mosquito activity throughout the city. Two additional traps are placed in areas with high nuisance mosquito activity. These are located at the East Boulder Recreation Center and the Thorne Institute at the east side of Sombrero Marsh. “Floating” traps may also be set up to monitor areas of high mosquito activity. One is currently installed at the Greenbelt Meadows neighborhood.

The table below shows the adult nuisance mosquito counts in the three traps that are used for additional monitoring of nuisance mosquitoes, as well as the top five nuisance mosquito counts in WNV surveillance traps throughout the city.

Trap location	Number of Nuisance Mosquitoes (Number of <i>Culex</i> )
Greenbelt Meadows*	1112 (72)*

Trap location	Number of Nuisance Mosquitoes (Number of <i>Culex</i> )
Stazio Ball Fields	88 (3)
Thorne Institute*	66 (11)*
Christensen Park	26 (1)
East Boulder Community Center*	21 (12)*
Sawhill Ponds	12 (8)
Tom Watson Park	9 (2)
South Boulder Rec Center	9 (1)

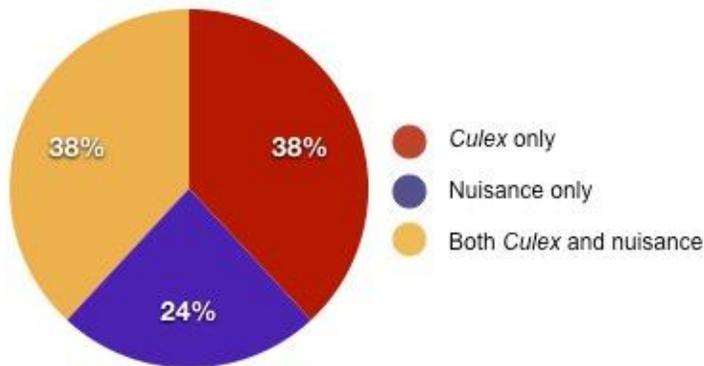
\* Trap is from nuisance mosquito control program

### ***Mosquito Larval Control Treatments***

The week of June 17, a total of 350 site inspections occurred and 21 were treated.

- Sites treated with *Culex*-only larvae: 8
- Sites treated with nuisance-only larvae: 5
- Sites treated with both *Culex* with nuisance larvae: 8

***Percentage of sites treated for Culex and nuisance mosquitoes***



If you have any questions, please contact Rella Abernathy at 303-441-1901.