

## Summary of Monitoring and Control for the Mosquito Program for the Week ending June 17, 2016

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

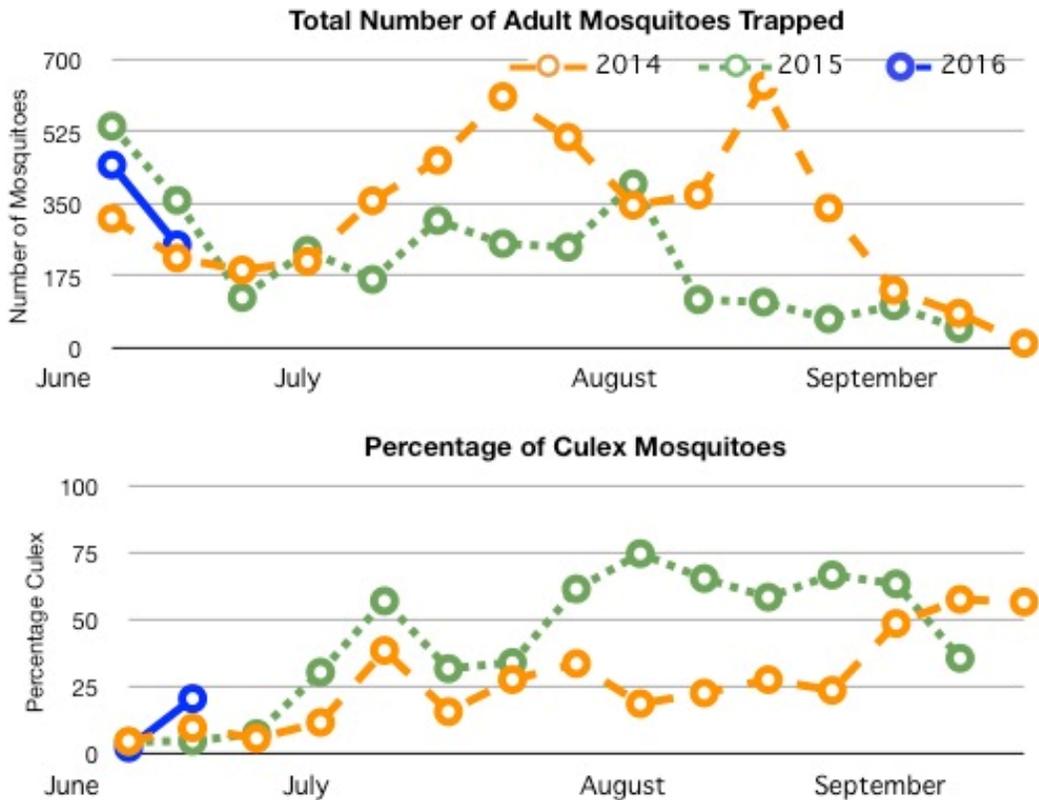
Mosquito activity is slightly below average throughout most of the city and county except for a few locations. Although mosquito activity is still high at traps that are located near South Boulder Creek, the numbers have decreased significantly since last week.

No new WNV cases have been reported in Colorado. The first *Culex* mosquito samples have been sent for WNV testing and the results should be available next week. Although overall mosquito activity is low, the proportion of *Culex* is increasing. Therefore, health authorities strongly recommend that individuals consistently take personal protective measures to prevent mosquito bites and drain standing water on their properties. For more information, visit 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%	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*	864 (16)*
Stazio Ball Fields	124 (7)
Tom Watson Park	45 (2)

Trap location	Number of Nuisance Mosquitoes (Number of <i>Culex</i> )
Thorne Institute*	26 (0)*
Christensen Park	13 (2)
Locust & 10th	5 (0)
South Boulder Rec Center	4 (2)
East Boulder Community Center*	0 (0)*

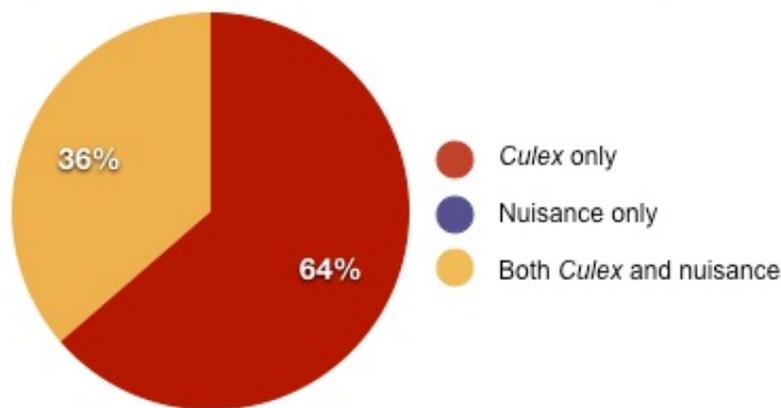
\* Trap is from nuisance mosquito control program

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

For the week of June 10, a total of 243 site inspections occurred and 11 were treated.

- Sites treated with *Culex*-only larvae: 7
- Sites treated with nuisance-only larvae: 0
- Sites treated with both *Culex* with nuisance larvae: 4

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



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