

## Summary of Monitoring and Control for the Mosquito Program for the Week ending July 29, 2016

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

Overall mosquito activity decreased compared to last week, but both the number and percentage of *Culex* increased substantially. That is typical for late July, when *Culex* begins peaking. No mosquito samples have tested positive for WNV for the city so far this season and results are still pending for this week.

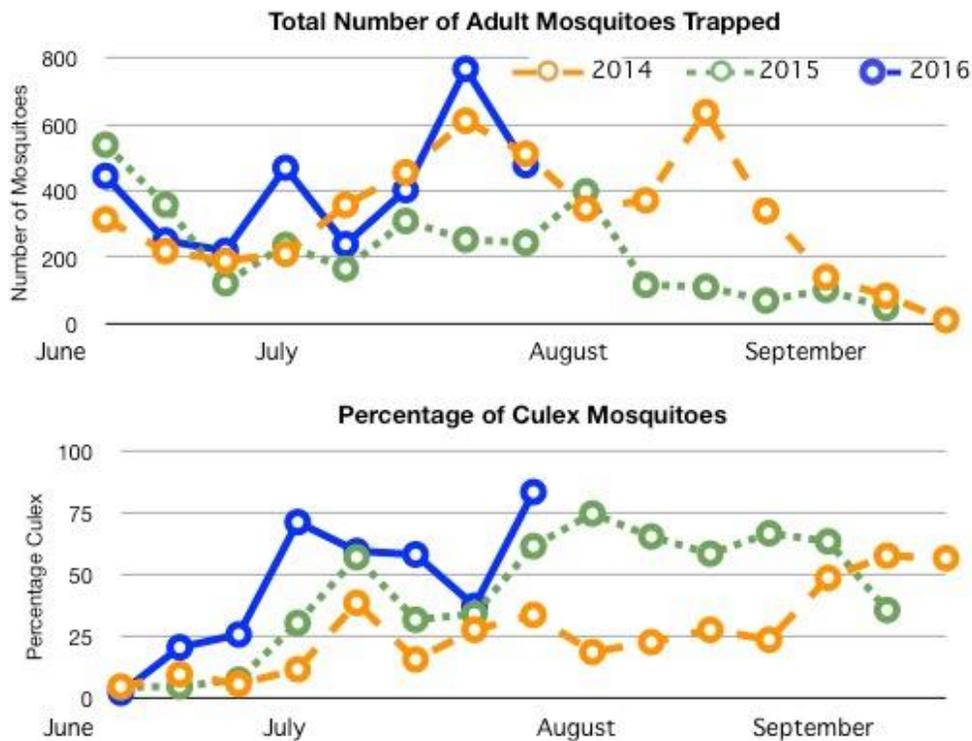
Throughout the state, four cases of WNV have been reported from Bent, Douglas and Larimer Counties. No human cases have been reported for Boulder County. Residents are advised to inspect their properties and drain any standing water and to take precautions to prevent mosquito bites. More information 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%	Negative
June 28	472	338	71.6%	Negative
July 5	242	145	59.9%	Negative
July 12	405	237	58.5%	Negative
July 19	769	290	37.7%	Negative
July 26	480	424	88.3%	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*	431 (114)
Sawhill Ponds	45 (223)

Trap location	Number of Nuisance Mosquitoes (Number of <i>Culex</i> )
East Boulder Community Center*	30 (21)*
Thorne Institute*	9 (31)*
Rolling Rock	3 (0)
Christiansen Park	2 (40)
Table Mesa and Stevens	2 (6)
South Boulder Recreation Center	1 (16)

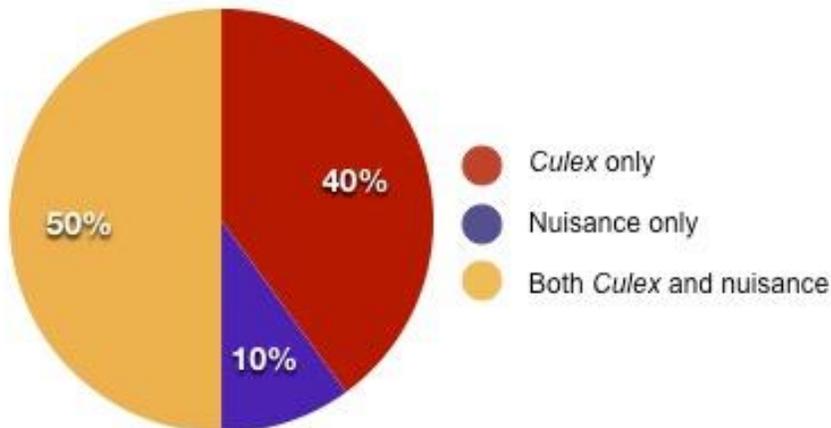
\* Trap is from nuisance mosquito control program

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

The week of July 16, a total of 264 site inspections occurred and 10 were treated.

- Sites treated with *Culex*-only larvae: 4
- Sites treated with nuisance-only larvae: 1
- Sites treated with both *Culex* with nuisance larvae: 5

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



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