

By comparison, in July 2018 Colorado State University (CSU) tested a total of 512 mosquito samples with 16 testing positive for West Nile Virus. 12 mosquito pools came from Fort Collins, 2 from Berthoud, and 2 from Loveland.

## Wear Your Repellent!

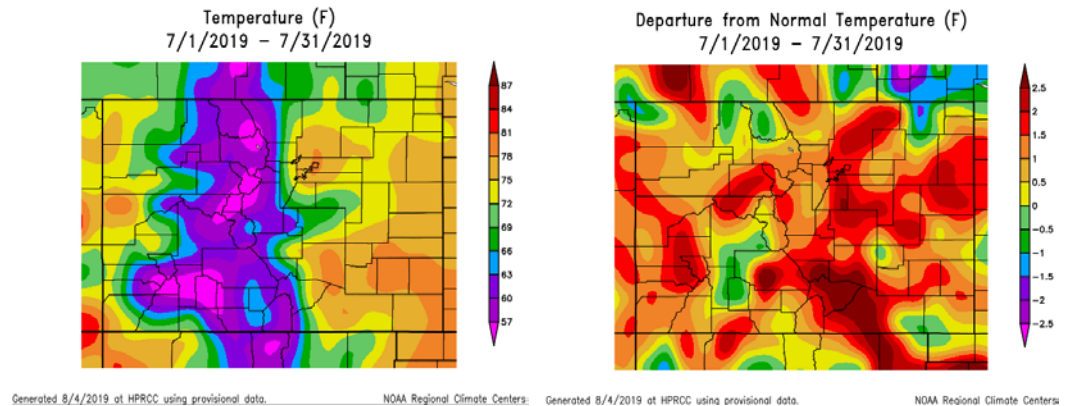
Use approved mosquito repellents containing DEET, picaridin or oil of lemon eucalyptus.

DEET products generally provide the longest protection. The other repellents work but must be applied more frequently.

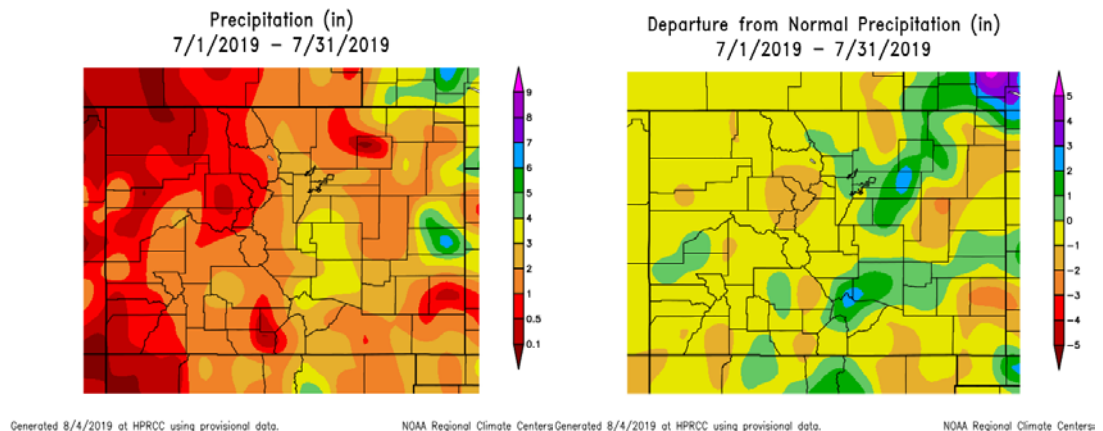
Follow the product label for correct use. Products with 10 percent or less DEET are recommended for children.

## Weather

The average temperature in Larimer County was 77 °F, with the average minimum temperature at 62 °F and the average max temperature at 91 °F during the month of July. A monthly high of 102 °F was seen on July 19th. With temperatures above average, larval production kept at a fairly rapid pace during the month of July.



Precipitation in Larimer County during July 2019 was about average, however after the wet months of May and June, stagnant water and mosquito breeding habitats were still abundant in Northern Colorado.



## Larval Control Operations

VDCI field technicians performed 1,984 site inspections in the month of July 2019 as part of the inspection and larviciding program for Fort Collins. Of the 1,984 inspections, 1,615 sites were wet (81.4% of the total inspected sites) and 878 sites were producing larvae (54.4% of the wet sites). Of the 857.5 acres treated in July 2019, 4,415.9 lbs. of VectoBac (*Bti*), and 12.36 gallons of BVA mineral oil were applied.

VDCI field technicians performed 2,009 site inspections as part of the inspection and larviciding program in July 2018. Of the 2,009 inspections, 1,603 sites were wet (79.8%) and 1,108 sites were producing mosquito larvae (66.4% of the wet sites). Of the 679.2 acres treated in July 2018, 3,462.6 lbs. of VectoBac (*Bti*), and 30.7 gallons of BVA mosquito larviciding oil were applied.

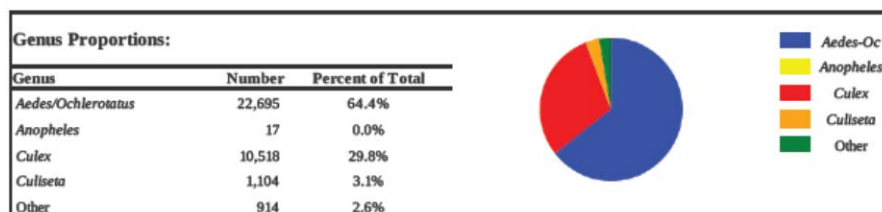
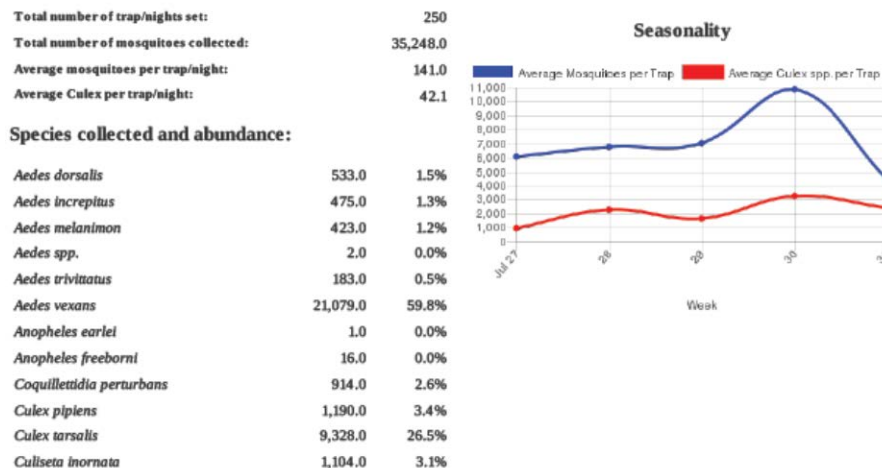
During July 2019, VDCI technicians performed site inspections at approximately 429 storm drains as part of the City of Fort Collins Urban larviciding program to control larval mosquito populations in storm drains and catch basins. Drains that were wet or had the potential to hold water were treated with long term larvicide products including Altosid pellets, briquettes, and VectoLex WSP (Bsph).

## Mosquito Population Surveillance

There were 250 light traps set in Fort Collins during July 2019. Mosquito surveillance traps set during July 2019 collected a total of 35,248 mosquitoes. Of these there were 22,695 (64.4%) *Aedes spp.*, 1,104 (3.1%) *Culiseta spp.*, and 10,518 (29.8%) *Culex spp.* mosquitoes collected. There was an average of 141 mosquitoes collected per trap night and 42.1 *Culex spp.* mosquitoes per trap night during July 2019 in Fort Collins.

There were 253 light traps set in Fort Collins the month of July 2018. Of the 253 light traps set; a total of 32,402 mosquitoes were collected. There were 18,034 (55.7%) *Aedes spp.*, 175 (0.5%) *Culiseta spp.*, 13,585 (41.9%) *Culex spp.*, and 608 other mosquitoes collected. There was an average of 128 mosquitoes per trap night and 54 *Culex spp.* mosquitoes per trap night collected in Fort Collins during July 2018.

### 2019 Fort Collins Trap Composite Data



## Adult Mosquito Control Operations

There have been no adult mosquito control operations performed by the City of Fort Collins to date.

VDCI has been privately contracted to perform adult mosquito control for Greenstone HOA, Lindenwood HOA, Ridgewood Hills HOA, and Willow Springs HOA, during the 2019 season. A total of 32.61 road miles within these neighborhoods were sprayed via ground based vehicles with Ultra Low Volume (ULV) AquaKontrol mosquito adulticides to reduce adult mosquito populations on the dates listed below.

date	zone	spray miles	spray acres	ounces sprayed
7/2/2019	LHOA - Greenstone HOA Spray Zone	3.05	110.9	149.67
7/9/2019	LHOA - Greenstone HOA Spray Zone	2.73	99.26	129.35
7/11/2019	LHOA - Ridgewood Hills Spray Zone	5.33	193.8	253.83
7/11/2019	LHOA - Willow Springs Spray Zone	2.93	106.53	138.85
7/16/2019	LHOA - Greenstone HOA Spray Zone	2.68	97.44	128.94
7/17/2019	LHOA - Lindenwood HOA Spray Zone	2.27	82.54	111.12
7/23/2019	LHOA - Greenstone HOA Spray Zone	2.68	97.44	95.73
7/24/2019	LHOA - Willow Springs Spray Zone	3.54	128.71	130.02
7/30/2019	LHOA - Greenstone HOA Spray Zone	2.7	98.17	96.77
7/31/2019	LHOA - Willow Springs Spray Zone	2.5	90.9	122
7/31/2019	LHOA - Lindenwood HOA Spray Zone	2.2	79.99	110
Totals		32.61	1185.68	1466.28

## Public Relations

VDCI received 14 phone calls from the residents of Fort Collins during the month of July 2019. There were 3 new larval mosquito production sites reported. The sites were inspected and treated due to larval production or potential larval production. VDCI received 9 calls from residents reporting mosquito annoyance problems, technicians were dispatched to check out the complaint areas. There were 2 residents requesting to be added to the call notification program and they were directed to the City of Fort Collins websites ([www.fcgov.com/westnile](http://www.fcgov.com/westnile)).