

CITY OF FORT COLLINS AUGUST 2025 MONTHLY REPORT

SEPTEMBER 16TH, 2025

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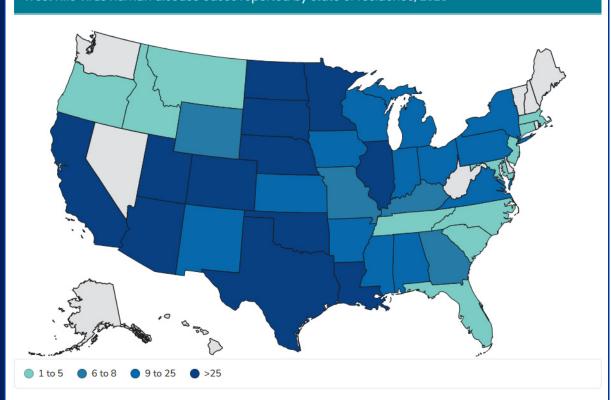
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West Nile Virus Risk

Both the Colorado Department of Public Health & Environment (CDPHE) and Colorado State University began testing mosquito samples in Disease Week 23 (June 1st). As of September 16th, there have been 189 reported positive West Nile virus human cases in the state of Colorado.

The Centers for Disease Control and Prevention currently reports human West Nile virus infections in forty states. We are likely to see increased disease risk as the summer progresses and encourage personal protective measures including draining water from your property, avoiding the outdoors at dawn and dusk, defending yourself by wearing repellant and dressing appropriately.

West Nile virus human disease cases reported by state of residence, 2025



In August 2025 Colorado State University (CSU) tested a total of 514 mosquito samples containing 8,566 mosquitoes. These samples consisted of 5,150 *Cx. tarsalis* and 3,416 *Cx. Pipiens* collected from the Fort Collins, Loveland and Berthoud areas.

By comparison, in August 2024 Colorado State University (CSU) tested a total of 473 mosquito samples containing 6,792 mosquitoes. These samples consisted of 3,501 *Cx. tarsalis* and 3,291 *Cx. Pipiens* collected from the Fort Collins, Loveland and Berthoud areas.

Weather

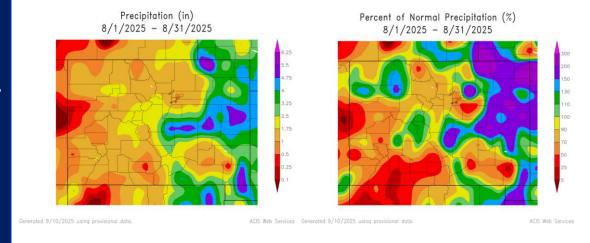
Wear Your Repellent!

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

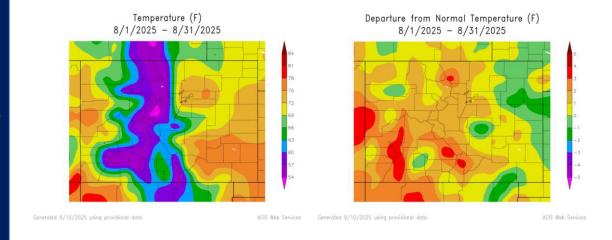
DEET products
generally
provide the
longest
protection. The
other repellents
work but must
be applied more
frequently.

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

Northern Colorado saw an increase in precipitation in August from a relatively dry July. August's precipitation levels were close to expected averages. According to NOAA, accumulated precipitation in Fort Collins during the month of August was 1.59 inches, with the normal being measured at 1.45 inches.



The temperature in August was above average in 2025, with temperatures reaching +2 to 3 degrees Fahrenheit above normal in much of Larimer County.



Larval Control Operations

In August of 2025, VDCI field technicians performed 1,029 site inspections as part of the inspection and larviciding program for Fort Collins. Of those 1,029 site inspections, 707 (68.7%) of those were wet and 362 (51.2%) wet sites were producing mosquito larvae. A total of 222.1 acres of land were treated with 759.1 lbs of Vectobac (bti) and 5.32 gal of BVA mineral oil to prevent larval mosquitoes from emerging as adults.

During August 2025, VDCI technicians performed site inspections at 4 residences as part of our backyard inspection program. VDCI also performed treatments at approximately 270 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 211 traps set in Fort Collins during the month of August 2025. A total of 6,726 mosquitoes were collected. There were 1,148 (17.1%) *Aedes spp.*, 5,485 (81.5%) *Culex spp. and 32 (0.5%) Culiseta spp.* mosquitoes collected. On average there were 31.9 mosquitoes collected per night and 26.0 *Culex* spp. mosquitoes per trap night.

2025 Fort Collins Trap Composite Data Total number of trap/nights set: 211 Seasonality Total number of mosquitoes collected: 6,726.0 Average mosquitoes per trap/night: 31.9 Average Mosquitoes per Trap Average Culex spp. per Trap Average Culex per trap/night: 26.0 Species collected and abundance: 2.000 Aedes cinereus 2.0 0.0% 1,000 Aedes dorsalis 203.0 3.0% Aedes hendersoni 0.1% 4.0 Aedes increpitus 5.0 0.1% 23.0 0.3% Aedes melanimon Week Aedes nigromaculis 8.0 0.1% Aedes trivittatus 1.0 0.0% Aedes vexans 902.0 13.4% 0.9% Anopheles freeborni 3,134.0 46.6% Culex pipiens Culex tarsalis 2,351.0 35.0% Culiseta inornata 32.0 0.5%

| Genus Proportions: | | |
|--------------------|--------|------------------|
| Genus | Number | Percent of Total |
| Aedes/Ochlerotatus | 1,148 | 17.1% |
| Anopheles | 61 | 0.9% |
| Culex | 5,485 | 81.5% |
| Culiseta | 32 | 0.5% |
| Other | 0 | 0.0% |

Adult Mosquito Control Operations

During the month of July 2025, 420.94 miles of roads within the City of Fort Collins, and 73.36 miles of roads within adjacent Larimer County were sprayed via ground based vehicles with Ultra Low Volume (ULV) AquaPerm-X mosquito adulticides to reduce adult mosquito populations. Truck based ULV applications were performed to suppress mosquito abundance detected in surveillance traps which surpassed the disease threshold of a VI over 0.75.

VDCI has been privately contracted to perform adult mosquito control for Countryside HOA, Greenstone HOA, Willow Springs HOA, and Lindenwood HOA during the 2025 season. A total of 10.73 road miles within these neighborhoods were sprayed via ground-based vehicles with Ultra Low Volume (ULV) AquaPerm-X mosquito adulticides to reduce adult mosquito populations on the dates listed below.

^{**}Please see appendix 1 for maps of spray areas

Public Relations VDCI received 7 phone calls from City of Fort Collins residents in August 2025. VDCI received 1 call from residents reporting larval mosquito sites in their area. VDCI inspected all the reported sites and added new sites if they were found to produce mosquito larvae and were not already part of our regular inspection program. VDCI also received 6 phone calls from residents of Fort Collins requesting information about the program and how decisions are made to conduct adult mosquito control operations.

Appendix 1: Adult Mosquito Control Operation Maps





