



# CITY OF FORT COLLINS

## JULY 2025 MONTHLY REPORT

AUGUST 5<sup>TH</sup>, 2025

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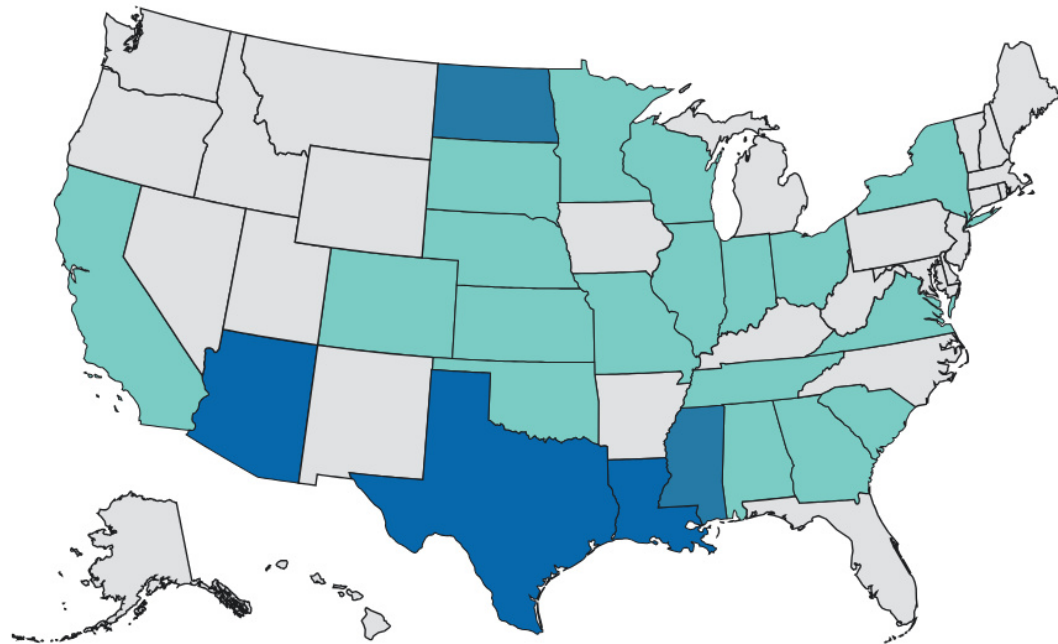
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Broomfield, CO  
80020  
303-428-5908

### 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 1<sup>st</sup>). As of August 4<sup>th</sup> there have been 11 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 twenty-three 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 repellent and dressing appropriately.

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



In July 2025 Colorado State University (CSU) tested a total of 723 mosquito samples containing 18,153 mosquitoes. These samples consisted of 14,321 *Cx. tarsalis* and 3,832 *Cx. Pipiens* collected from the Fort Collins, Loveland and Berthoud areas.

By comparison, in July 2024 Colorado State University (CSU) tested a total of 532 mosquito samples containing 8,536 mosquitoes. These samples consisted of 5,458 *Cx. tarsalis* and 3,078 *Cx. Pipiens* collected from the Fort Collins, Loveland and Berthoud areas.

## Wear Your Repellent!

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

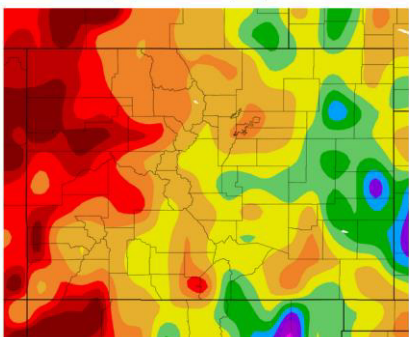
DEET products generally provide the longest protection. The other repellents work but must be applied more frequently.

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

## Weather

July 2025 in northern Colorado has been drier than usual. According to NOAA, accumulated precipitation in Fort Collins during the month of July was 0.84 inches, with the normal being measured at 1.63 inches.

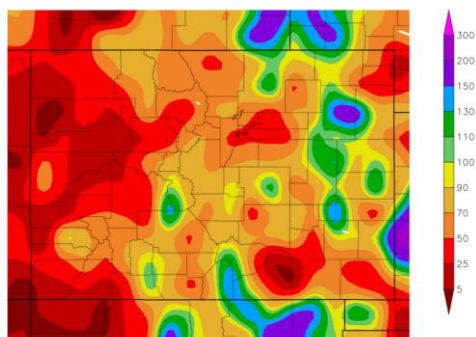
Precipitation (in)  
7/1/2025 – 7/31/2025



Generated 8/4/2025 using provisional data.

ACIS Web Services

Percent of Normal Precipitation (%)  
7/1/2025 – 7/31/2025

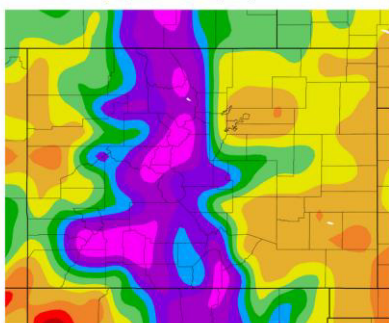


Generated 8/4/2025 using provisional data.

ACIS Web Services

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

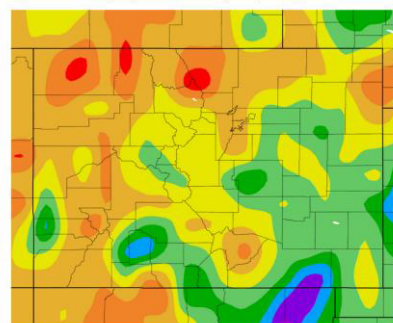
Temperature (F)  
7/1/2025 – 7/31/2025



Generated 8/4/2025 using provisional data.

ACIS Web Services

Departure from Normal Temperature (F)  
7/1/2025 – 7/31/2025



Generated 8/4/2025 using provisional data.

ACIS Web Services

## Larval Control Operations

In July of 2025, VDCI field technicians performed 1,965 site inspections as part of the inspection and larviciding program for Fort Collins. Of those 1,965 site inspections, 1,411 (71.8%) of those were wet and 671 (47.6%) wet sites were producing mosquito larvae. A total of 528.9 acres of land were treated with 1,710.1 lbs of Vectobac (bti) and 14.8 gal of BVA mineral oil to prevent larval mosquitoes from emerging as adults.

During July 2025, VDCI technicians performed site inspections at 3 residences as part of our backyard inspection program. VDCI also performed treatments at approximately 285 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

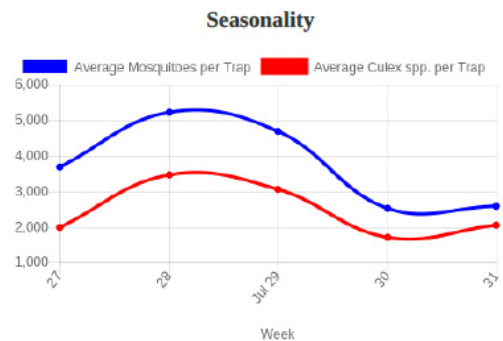
There were 249 traps set in Fort Collins during the month of July 2025. A total of 18,691 mosquitoes were collected. There were 5,910 (31.6%) *Aedes spp.*, 12,285 (65.7%) *Culex spp.* and 95 (0.5%) *Culiseta spp.* mosquitoes collected. On average there were 75.1 mosquitoes collected per night and 49.3 *Culex spp.* mosquitoes per trap night.

### 2025 Fort Collins Trap Composite Data

Total number of trap/nights set:	249
Total number of mosquitoes collected:	18,691.0
Average mosquitoes per trap/night:	75.1
Average Culex per trap/night:	49.3

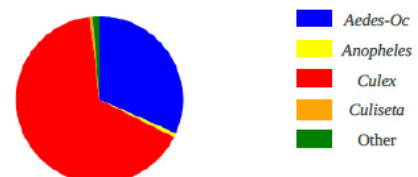
#### Species collected and abundance:

<i>Aedes cinereus</i>	77.0	0.4%
<i>Aedes dorsalis</i>	458.0	2.5%
<i>Aedes flavescens</i>	1.0	0.0%
<i>Aedes hendersoni</i>	3.0	0.0%
<i>Aedes increpitus</i>	963.0	5.2%
<i>Aedes melanimon</i>	564.0	3.0%
<i>Aedes nigromaculis</i>	4.0	0.0%
<i>Aedes trivittatus</i>	5.0	0.0%
<i>Aedes vexans</i>	3,835.0	20.5%
<i>Anopheles freeborni</i>	149.0	0.8%
<i>Coquillettidia perturbans</i>	252.0	1.3%
<i>Culex pipiens</i>	3,652.0	19.5%
<i>Culex tarsalis</i>	8,633.0	46.2%
<i>Culiseta inornata</i>	95.0	0.5%
Trap Stolen	0.0	0.0%
Trap Vandalized	0.0	0.0%



#### Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	5,910	31.6%
<i>Anopheles</i>	149	0.8%
<i>Culex</i>	12,285	65.7%
<i>Culiseta</i>	95	0.5%
Other	252	1.3%



## **Adult Mosquito Control Operations**

During the month of July 2025, 632.03 miles of roads within the City of Fort Collins, and 22.95 miles of roads within 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.

**\*\*Please see appendix 1 for maps of spray areas**

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 10.97 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.

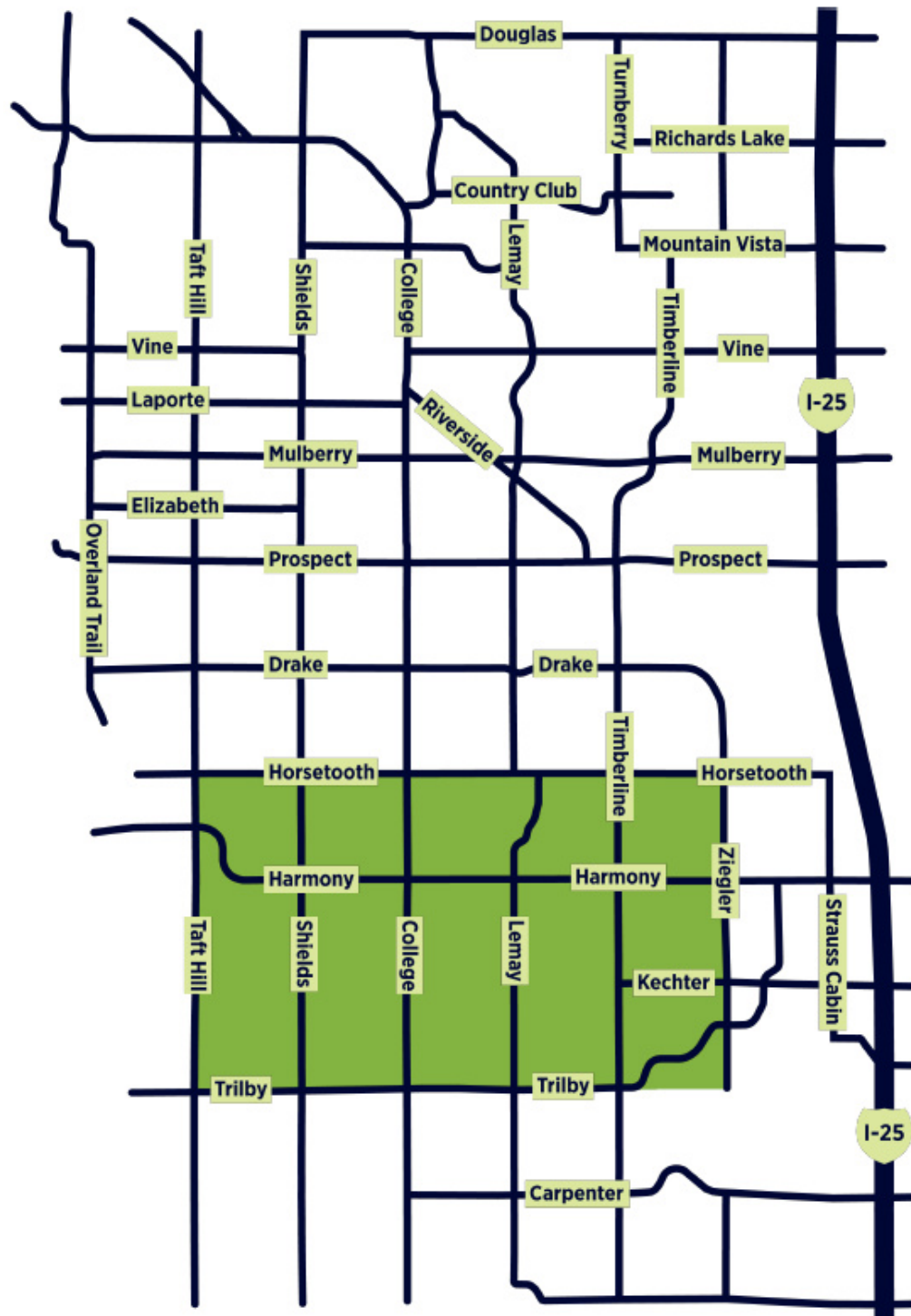
Date	Zone	Spray Miles	Ounces Sprayed
7/2/2025	LHOA - Greenstone HOA Spray Zone	1.67	118.73
7/9/2025	LHOA - Greenstone HOA Spray Zone	1.61	112.89
7/16/2025	LHOA - Greenstone HOA Spray Zone	1.83	129.57
7/23/2025	LHOA - Greenstone HOA Spray Zone	1.73	60.62
7/2/2025	LHOA - Lindenwood HOA Spray Zone	2.21	156.79
7/16/2025	LHOA - Lindenwood HOA Spray Zone	1.92	139.36

Totals	10.97	717.96
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## **Public Relations**

VDCI received 8 phone calls from City of Fort Collins residents in July 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 7 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






# MOSQUITO SPRAYING MAP



City of  
Fort Collins

Thursday, July 24 & Sunday, July 27

 Spray Areas

