



CITY OF LOUISVILLE

JUNE 2022 MONTHLY REPORT

JULY 8TH, 2022

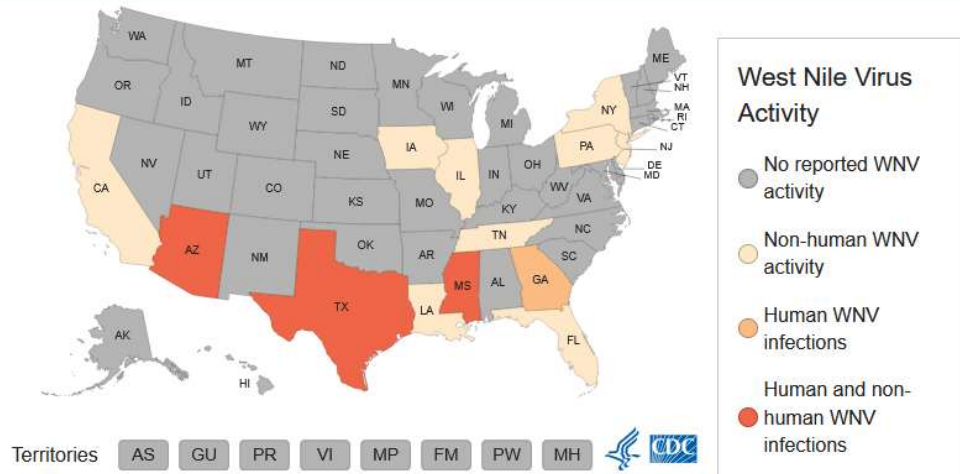
West Nile Virus Risk

The Colorado Department of Public Health & Environment (CDPHE) began testing mosquito samples in Disease Week 24 (June 12th). As of July 6th, there has no reports of West Nile virus positive mosquitoes in the state of Colorado.

As of June 28th, the Centers for Disease Control and Prevention (CDC) currently reports 10 human West Nile virus infections in four (4) states and one (1) death. Non-human West Nile virus activity (mosquitoes, birds, sentinel or veterinary animals) has been reported in twelve (12) states. While West Nile virus activity remains low, 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 Activity by State 2022

United States (as of June 28, 2022)



To date Boulder County Public Health (BCPH) reports that 8 WNV pools were submitted for testing by the Colorado Department of Public Health and Environment (CDPHE) in Week 26, and all tested negative.

By comparison, in June 2021 BCPH submitted a total of 23 WNV pools for testing, through Week 27, and all were negative. Adult mosquito abundance in Boulder County has exhibited average nuisance mosquito numbers and lower than average *Culex* numbers. To date of the 1,188.0 mosquitoes trapped to date in the City of Louisville, 29.8% were *Culex* compared to 36.3% last year

Contact VDCI:

Boulder County
Operations Manager

Mel Kyer

Phone
303-466-1892

E-Mail:

mkyer@vdc.net

Website:

www.vdc.net/colorado

Main Office:

General E-Mail:
info@vdc.net
Toll Free:
(877) 276-4306

7000 North Broadway
Suite 108 Denver, CO
80221
303-428-5908

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.

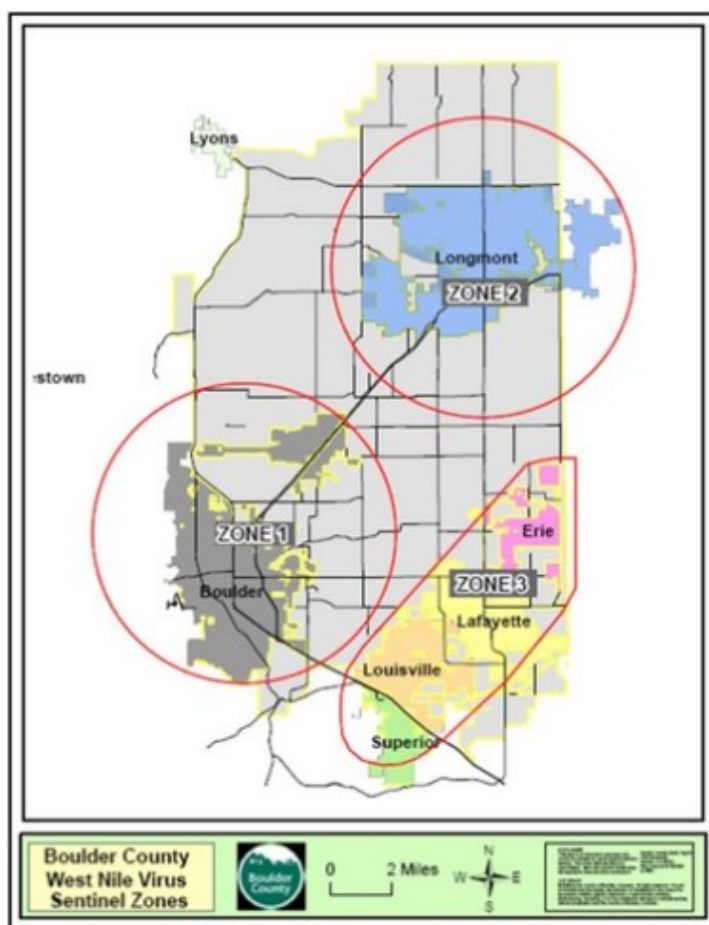
Follow the product label for correct use. Products with 10 percent or less DEET are recommended for children.

The Vector Index for all Boulder County Zones is currently at zero indicating low risk of viral transmission to humans although this number is expected to rise as temperatures remain high and very dry conditions persist.

Boulder County Vector Index 2022 ¹			
	Sentinel Zone 1 ²	Sentinel Zone 2 ³	Sentinel Zone 3 ⁴
Season Week	Vector Index	Vector Index	Vector Index
Week 25 (June 19-25)	----	----	----
Week 26 (June 26-July 2)	0.00	0.00	0.00

1. Reported by BCPH as of July 1, 2022

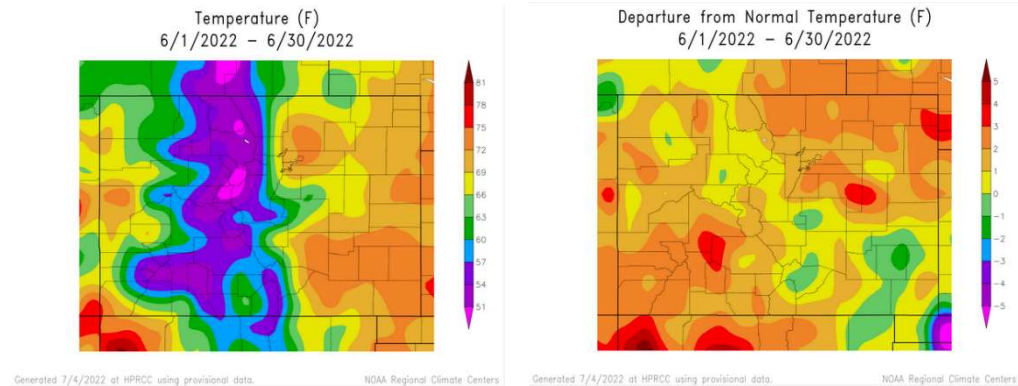
2. Boulder County; 3. Longmont; 4. Erie, Lafayette, Louisville, Superior



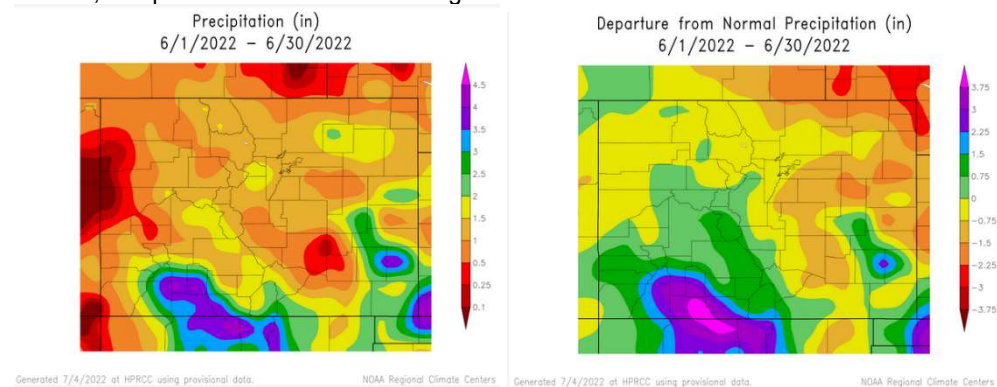
Weather

VDCI began field inspections throughout Boulder County in May with average temperatures (57.2 °F compared to 57.3 °F) and average precipitation (3.19" compared to 3.09") unlike the previous year which had about 2.5 inches more than average. VDCI field technicians focused larval site inspections on flood irrigated and historical standing water sites known to produce larvae in the early season.

According to the High Plains Regional Climate Center the average temperature in Boulder County was average at 68.3°F during the month of June, compared to the historical average of 66.8°F.



According to the High Plains Regional Climate Center precipitation in Boulder County was below average, 0.86 inches of rain, compared to the historical average of 1.85 inches of rain for the month of June.



Larval Control Operations

VDCI field technicians performed 142 site inspections in May and June 2022 as part of the inspection and larviciding program in the City of Louisville. Of the 142 sites inspected, 104 were wet (73.2%) and 23 (16.2%) sites were producing mosquito larvae. 0.6 acres were treated with larvicides.

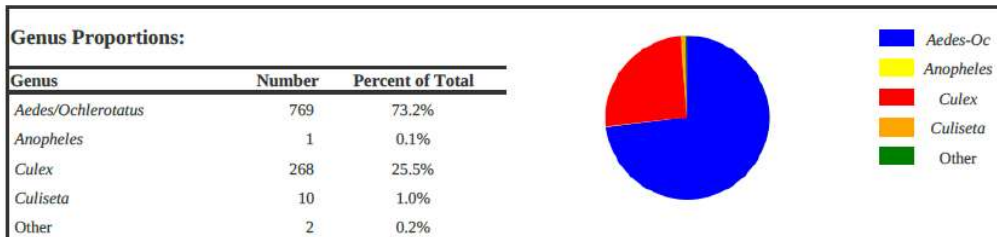
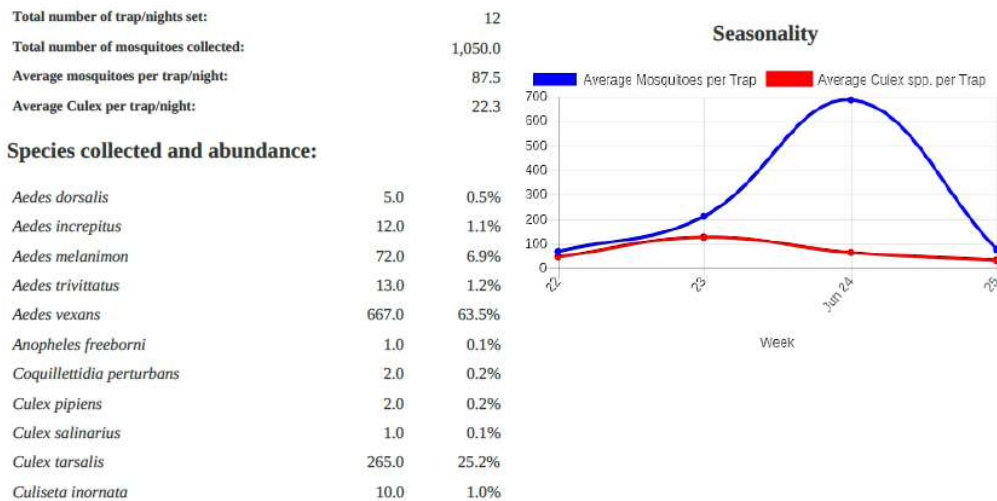
In May/June 2021, VDCI field technicians performed 149 site inspections in the City of Louisville. Of the 149 sites inspected, 131 were wet (87.9%) and 23 (15.4%) sites were producing mosquito larvae. 6.1 acres were treated with larvicides.

Adult Mosquito Population Surveillance

There were 12 light traps set in City of Louisville during June 2022 that collected a total of 1,050.0 mosquitoes. Of these, there were 769 (73.2%) *Aedes* spp., 1 (0.1%) *Anopheles* spp., 2 (0.2%) *Coquillettidia* spp., 268 (25.5%) *Culex* spp. and 10 (1.0%) *Culiseta* spp. mosquitoes collected. On average there were 87.5 mosquitoes collected per trap night and 22.3 *Culex* mosquitoes per trap night.

15 mosquito surveillance traps set in June 2021, in the City of Louisville, collected a total of 535 mosquitoes. Of these there were 395 (73.8%) *Aedes* spp., 1 (0.2%) *Anopheles* spp., 110 (20.6%) *Culex* spp. and 29 (5.4%) *Culiseta* spp. mosquitoes collected. On average there were 35.7 mosquitoes collected per trap night and 7.3 *Culex* mosquitoes per trap night.

2022 City of Louisville Trap Composite Data



Adult Mosquito Control Operations

During the month of June 2022, 14.0 gallons of Wisdom TC mosquito adulticide barrier were applied via daytime backpack to two (2) adult control locations one each on June 16th and June 23rd.

In comparison, 4.0 gallons of Wisdom TC mosquito adulticide barrier were applied via daytime backpack to one adult control location on June 15th, 2021.

Public Relations

VDCI received no phone calls from City of Louisville residents in June 2022.