

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.

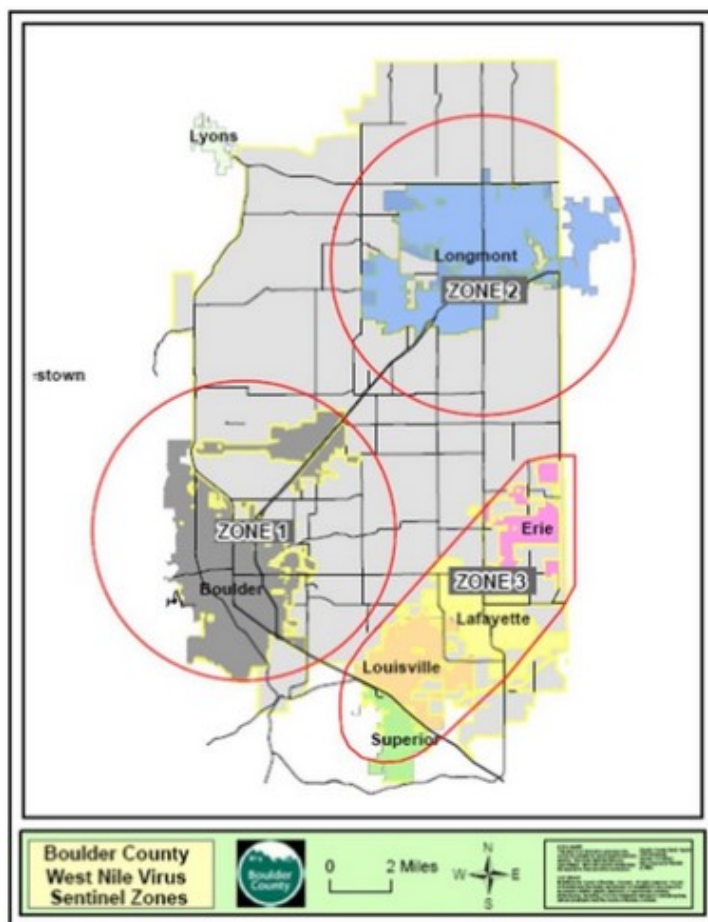
Follow the product label for correct use. Products with 10 percent or less DEET are recommended for children.

The Vector Index for all Boulder County Zones remained at zero indicating low risk of viral transmission to humans in July, although this number is expected to rise as conditions continue to remain hot and dry.

Boulder County Vector Index 2019 ¹			
	Sentinel Zone 1 ²	Sentinel Zone 2 ³	Sentinel Zone 3 ⁴
Season Week	Vector Index	Vector Index	Vector Index
Week 23 (June 2-8)	----	----	----
Week 24 (June 9-15)	0.00	0.00	0.00
Week 25 (June 16-22)	0.00	0.00	0.00
Week 26 (June 23-29)	0.00	0.00	0.00
Week 27 (June 30-July 6)	0.00	0.00	0.00
Week 28 (July 7-13)	0.00	0.00	0.00
Week 29 (July 14-20)	0.00	0.00	0.00
Week 30 (July 21-27)	0.00	0.00	0.00
Week 31 (July 28 -Aug 3)	0.00	0.00	0.00

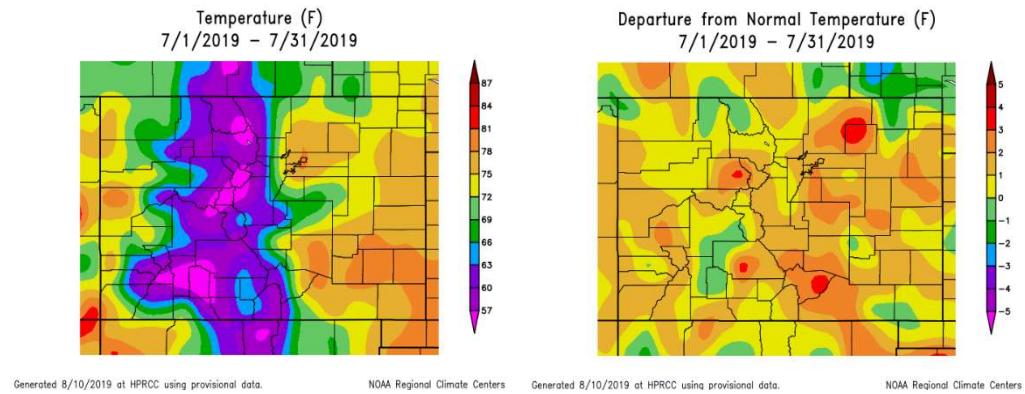
1. Reported by BCPH as of August 3, 2019

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

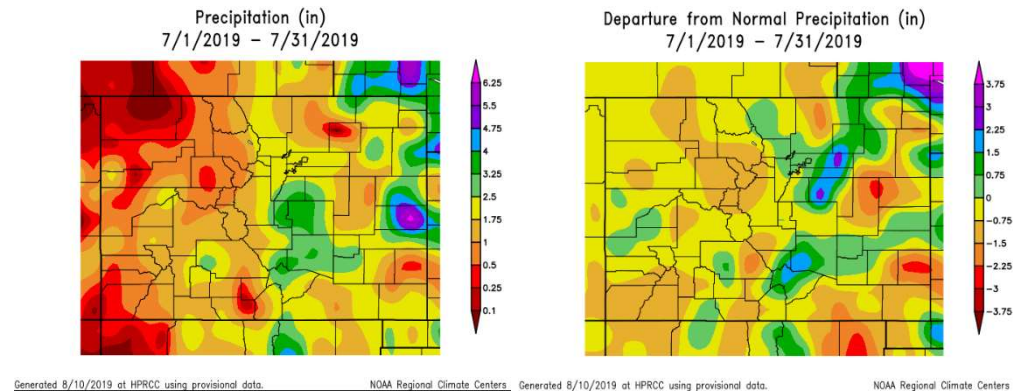


Weather

The High Plains Regional Climate Center recorded 73.0° F for the average temperature in Boulder County compared to the historical average of 72.5° F, with an average max temperature of 87.7° F during the month of July. A monthly high of 98° F was recorded on July 19th.



The High Plains Regional Climate Center recorded 2.21 inches of precipitation in Boulder County compared to the historical average of 1.79 inches of precipitation for the month of July.



With near normal temperatures and higher precipitation, stagnant water and mosquito breeding habitats were still abundant throughout most of the County in July.

Larval Control Operations

VDCI field technicians performed 63 site inspections as part of the inspection and larviciding program in the City of Louisville. Of the 63 sites inspected, 52 were wet (82.5%) and 8 (15.4%) sites were producing mosquito larvae. 0.98 acres were treated with larvicides.

In July 2018, VDCI field technicians performed 67 site inspections in the City of Louisville. Of the 67 inspections, 55 (82.0%) sites were wet and 27 (49.0%) sites were producing mosquito larvae. 1.6 acres were treated with larvicides.

Adult Mosquito Population Surveillance

There were 12 light traps set in City of Louisville during July 2019 that collected a total of 330 mosquitoes. Of these, there were 306 (92.7%) *Aedes* spp., 0 (0.0%) *Anopheles* spp., 10 (3.0%) *Culex* spp. and 14 (4.2%) *Culiseta* spp. mosquitoes collected. There was an average of 27.5 mosquitoes per trap night and .08 *Culex* mosquitoes per trap night in July of 2019.

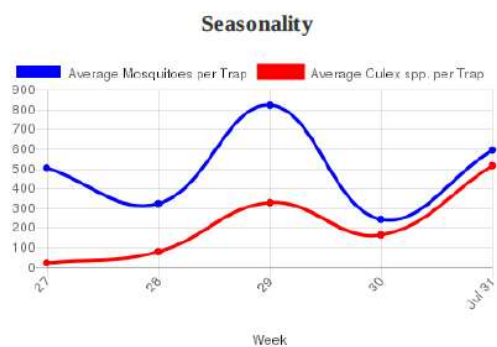
12 mosquito surveillance traps set in July 2018, in the City of Louisville, collected a total of 576 mosquitoes. Of these there were 437 (75.9%) *Aedes* spp., 4 (0.7%) *Anopheles* spp., 114 (19.8%) *Culex* spp. and 21 (3.6%) *Culiseta* spp. mosquitoes collected. There was an average of 48 mosquitoes per trap night and 10 *Culex* mosquitoes per trap night in July of 2018.

2019 City of Louisville Trap Composite Data

Total number of trap/nights set:	16
Total number of mosquitoes collected:	2,479.0
Average mosquitoes per trap/night:	154.9
Average Culex per trap/night:	69.1

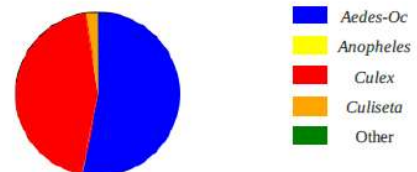
Species collected and abundance:

<i>Aedes dorsalis</i>	8.0	0.3%
<i>Aedes increpitus</i>	35.0	1.4%
<i>Aedes melanimon</i>	630.0	25.4%
<i>Aedes trivittatus</i>	128.0	5.2%
<i>Aedes vexans</i>	514.0	20.7%
<i>Anopheles freeborni</i>	1.0	0.0%
<i>Coquillettidia perturbans</i>	2.0	0.1%
<i>Culex pipiens</i>	62.0	2.5%
<i>Culex salinarius</i>	27.0	1.1%
<i>Culex tarsalis</i>	1,017.0	41.0%
<i>Culiseta incidens</i>	1.0	0.0%
<i>Culiseta inornata</i>	54.0	2.2%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	1,315	53.0%
<i>Anopheles</i>	1	0.0%
<i>Culex</i>	1,106	44.6%
<i>Culiseta</i>	55	2.2%
Other	2	0.1%



Adult Mosquito Control Operations

During the month of July 2019, 12.0 gallons of Talstar Pro mosquito adulticide barrier were applied via daytime backpack to five adult control locations on July 3rd, July 12th,

In July 2018, 8.0 gallons of Talstar Pro mosquito adulticide barrier was applied via daytime backpack to one adult control location on July 8th.



Ground Adulticide Applications

Start Date: 07/01/2019 End Date: 07/31/2019

City of Louisville

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
Annette Brand Park Applications								
July 2019	07/12/2019		Talstar Pro (279-3206)	1:128	0.0	0.0	0.1	4.0
<i>Total Talstar Pro Applied:</i>								4.0
Coal Creek @ Aspen Way Applications								
July 2019	07/03/2019		Talstar Pro (279-3206)	1:128	0.0	0.0	0.4	18.0
	07/12/2019		Talstar Pro (279-3206)	1:128	0.0	0.0	0.4	18.0
	07/20/2019		Talstar Pro (279-3206)	1:128	0.0	0.0	0.3	12.0
	07/26/2019		Talstar Pro (279-3206)	1:128	0.0	0.0	0.4	16.0
<i>Total Talstar Pro Applied:</i>								64.0
Coal Creek @ Dillon Way Applications								
July 2019	07/20/2019		Talstar Pro (279-3206)	1:128	0.0	0.0	0.2	8.0
<i>Total Talstar Pro Applied:</i>								8.0
Hecla Lake at Halyard Ct. Applications								
July 2019	07/19/2019		Talstar Pro (279-3206)	1:128	0.0	0.0	0.1	4.0
<i>Total Talstar Pro Applied:</i>								4.0
Warembourg Park Applications								
July 2019	07/19/2019		Talstar Pro (279-3206)	1:128	0.0	0.0	0.1	6.0
<i>Total Talstar Pro Applied:</i>								6.0
Warembourg Park Totals:					0.0	0.0	2.0	86.0
Grand Totals:					0.0	0.0	2.0	86.0

Vector Disease Control International
2770 Industrial Lane
Broomfield, CO 80020

Public Relations

VDCI received one (1) phone call from a City of Louisville resident in July 2019 reporting standing water. There were no mosquito annoyance calls received from residents. VDCI received 6 submissions from residents requesting to be placed on VDCI's shut off/spray notification list (requests entered in VDCI's new database). No callers requested additional information.