West Nile Virus Risk

Both the Colorado Department of Public Health & Environment (CDPHE) and Colorado State University began testing mosquito samples in Disease Week 24 (June 14th). As of August 1st there have been West Nile virus positive mosquitoes in the Colorado counties of Larimer, Pueblo, and Weld.

The Centers for Disease Control and Prevention currently reports human West Nile virus infections in sixteen states. Non-human West Nile virus activity (mosquitoes, birds or sentinel animals) has been reported in thirty-four states. While West Nile virus activity remains relatively 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 repellant and dressing appropriately.

West Nile Virus Activity by State 2019

West Nile Virus Activity by State – United States, 2019 (as of July 23, 2019)

In July 2019 Colorado State University (CSU) tested a total of 500 mosquito samples containing 14,155 mosquitoes. These samples consisted of 12,890 Cx. tarsalis and 1,265 Cx. Pipiens collected from the Fort Collins, Loveland and Berthoud areas. A total of 6 samples tested positive for West Nile Virus, with 4 samples from Fort Collins and 2 from Loveland.

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.

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**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 295 site inspections in the month of July 2019 as part of the inspection and larviciding program for Berthoud. Of the 295 inspections, 209 sites were wet (70.8% of the total inspected sites) and 89 sites were producing larvae (42.6% of the wet sites). Of the 43.8 acres treated in July 2019, 240.06 lbs. of VectoBac (Bti), and 0.06 gallons of BVA mineral oil were applied.

Mosquito Population Surveillance

There were 25 light traps set in Berthoud during July 2019. Mosquito surveillance traps set during July 2019 collected a total of 6,271 mosquitoes. Of these there were 4,568 (72.8%) Aedes spp., 53 (0.8%) Culiseta spp., and 1,647 (26.3%) Culex spp. mosquitoes collected. There was an average of 250.8 mosquitoes collected per trap night and 65.9 Culex spp. mosquitoes per trap night during July 2019 in Berthoud.

No pools from Berthoud has tested positive for West Nile Virus during the month of July 2019.
Adult Mosquito Control Operations

The Town of Berthoud has not, and does not, have any plans for adult mosquito control operations in 2019.

Public Relations

VDCI received one phone call from a resident of Berthoud during the month of July 2019. VDCI inspected the reported site and added the new area into our regular inspection schedule.