



# TOWN OF SEVERANCE JUNE 2019 MONTHLY REPORT

JULY 1<sup>ST</sup>, 2019

## West Nile Virus Risk

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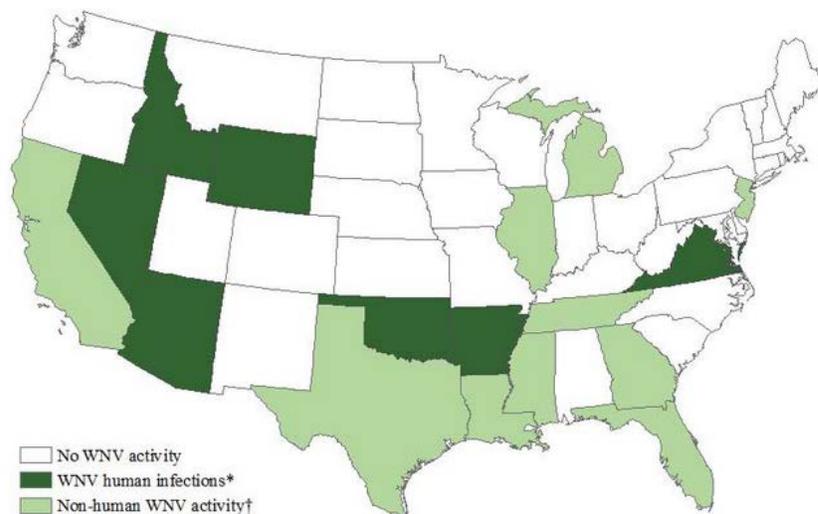
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Both the Colorado Department of Public Health & Environment (CDPHE) and Colorado State University began testing mosquito samples in Disease Week 24 (June 14<sup>th</sup>). As of July 1<sup>st</sup> there have been no reports of West Nile virus positive mosquitoes in the state of Colorado.

The Centers for Disease Control and Prevention currently reports human West Nile virus infections in seven states. Non-human West Nile virus activity (mosquitoes, birds or sentinel animals) has been reported in sixteen states. While West Nile virus activity remains relatively low, and we have not documented viral activity in Northern Colorado, 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 – United States, 2019 (as of June 25, 2019)



In June 2019 Colorado State University (CSU) tested a total of 62 mosquito samples containing 375 mosquitoes. These samples consisted of 328 *Cx. tarsalis* and 47 *Cx. Papiens* collected from the Fort Collins, Loveland and Berthoud areas.

By comparison, in June 2018 Colorado State University (CSU) tested a total of 227 mosquito samples containing 3,073 mosquitoes. These samples consisted of 2,508 *Cx. tarsalis* and 565 *Cx. Papiens* collected from the Fort Collins, Loveland and Berthoud areas.

# Weather

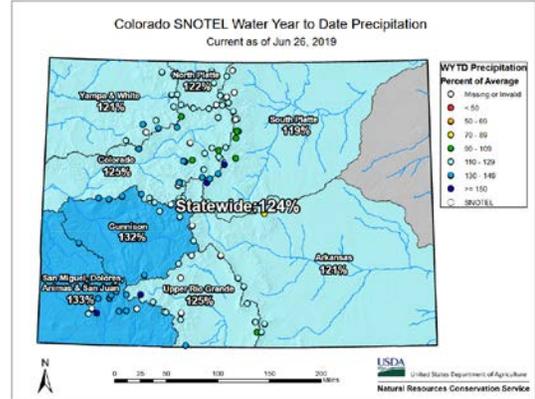
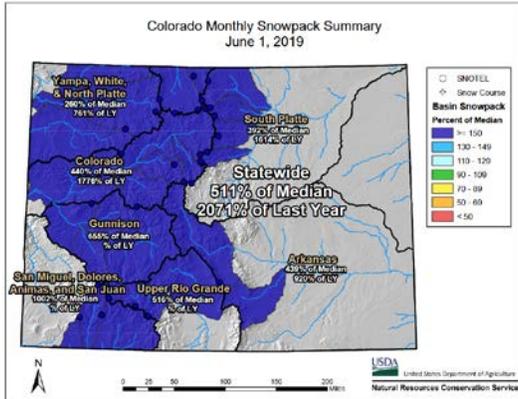
**Wear Your Repellent!**

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

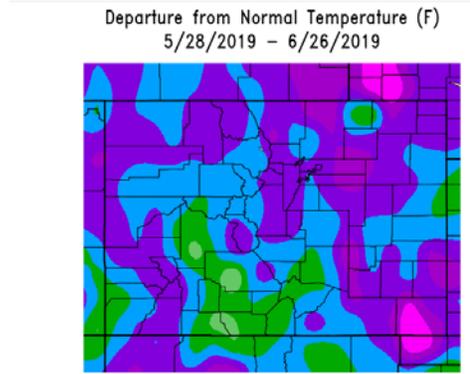
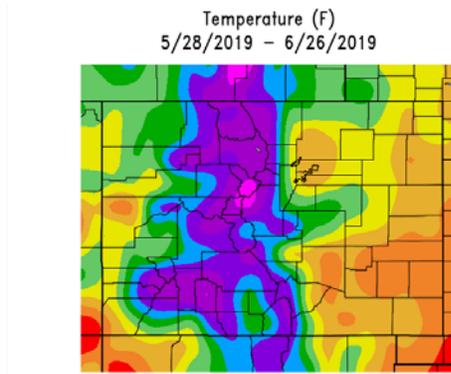
DEET products generally provide the longest protection. The other repellents work but must be applied more frequently.

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

VDCI began field inspections throughout Northern Colorado in May although rain and cooler temperatures persisted late into the spring. Snowpack levels were far above average across most of the state and as of June 1<sup>st</sup> Colorado was 511% of the median for normal snowpack, with much of the snow still not melted as of July 1<sup>st</sup>. As of June 1<sup>st</sup> monthly precipitation in every major water shed was 124% above normal with the South Platte River reaching 119% of its monthly average. *Culex* obtained from larval sites has remained low as a percentage of all mosquitoes collected. In the early season months VDCI field technicians have focused larval site inspections on larger water bodies and mandatory sites known to produce larvae early season.



According to the High Plains Regional Climate Center the average temperature in Larimer County was 64 °F during the month of June. With temperatures lower on average throughout most of the county we did observe lower than average trap counts and larvae samples.



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## Larval Control Operations

In June of 2019 VDCI field technicians performed 56 site inspections as part of the inspection and larviciding program for the Town of Severance. Of the 56 inspections, 51 sites were wet (91.1% of the total inspected sites) and 32 sites were producing larvae (62.7% of the wet sites). Of the 51.1 acres treated in June 2019, 247 lbs. of VectoBac (*Bti*) and 0.15 gallons of BVA mosquito larviciding oil was used to prevent these mosquitoes from emerging as adults.

In June of 2018 VDCI field technicians performed 28 site inspections as part of the inspection and larviciding program for the Town of Severance. Of the 28 inspections, 27 sites were wet (96.4% of the total inspected sites) and 25 sites were producing larvae (92.6% of the wet sites). Of the 29.4 acres treated in June 2018, 138.8 lbs. of VectoBac (*Bti*) and 1.5 gallons of BVA mosquito larviciding oil was used to prevent these mosquitoes from emerging as adults.

## Adult Mosquito Control Operations

During the month of June 2018, 63 miles of roads within the Town of Severance were sprayed via ground based vehicles with Ultra Low Volume (ULV) AquaKontrol mosquito adulticides to reduce adult mosquito populations. These applications occurred on the evenings of June 12<sup>th</sup> and June 26<sup>th</sup>.

## Public Relations

VDCI received three phone calls regarding notification or shut-off requests from residents within the Town of Severance