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July 2024
Monthly Update

Southeastern NH ended the month in a moderate drought. We endured a significant heat wave along with the dry conditions. Many mosquito breeding sites dried up, but mosquito larvae were found where water remained in wetlands and manmade containers.

Trapping and disease testing of adult mosquitoes is in full operation. Dragon sets traps weekly to collect mosquitoes. Our entomologist identifies the mosquitoes to species and select species are sent to the State Lab in Concord for disease testing. This surveillance serves as an early indicator of disease risk. Currently, no mosquitoes have tested positive in Salem. Trapping of adult mosquitoes and testing at the State Lab will continue until mid-October

Arboviral disease this season:

- A horse from Kensington died from Eastern Equine Encephalitis (EEE)
- Mosquitoes from Danville, Fremont, Kensington, Kingston & Newton tested positive for EEE
- Human cases of Jamestown Canyon Virus were confirmed in Gilmanton & Tilton
- Mosquitoes collected in Nashua & Manchester tested positive for West Nile Virus
- Mosquitoes in Keene & Londonderry tested positive for Jamestown Canyon Virus
- Human cases of Powassan Virus confirmed in Rockingham County & Strafford County

In July, Dragon has:

- Checked mosquito breeding sites and treated as needed with Bti
- Monitored catch basins for larval mosquito activity
- Treated catch basins with Natular to control disease carrying mosquitoes
- Emptied man-made containers where mosquito larvae were found
- Educated homeowners about mosquito breeding in containers
- Trapped adult mosquitoes in fixed locations throughout town
- Processed and identified adult mosquitoes to species
- Sent adult mosquito species to the State Lab in Concord for disease testing

All three mosquito borne diseases of concern in New Hampshire have been detected. It's likely we'll see more disease activity this season. To keep up with mosquito borne disease in NH, check out the NH DHHS website at: <https://www.dhhs.nh.gov/NHarbovirustestresults>.