



2025 END OF SEASON MOSQUITO MONITORING REPORT



THE PROGRAM

Our program monitors the mosquito populations throughout the county and tests them for viruses. We use science-driven decision making practices to suppress vector-borne diseases and improve quality of life. Our practices included surveillance, education to the public, habitat reduction, and the use of chemical controls to decrease vector-borne diseases.

CONTROL

Our staff conducted 58 control events this season:

- 55 larval control events
- 3 adult control events

COMPLAINTS

Throughout the season, residents of Westmoreland County can submit complaints regarding mosquitoes. In 2025, eleven Westmoreland County residents submitted their concerns. Each of these sites were visited, control methods were applied as necessary, and the residents were given information on how to protect themselves and reduce habitat.



RESULTS

This year, Westmoreland County had 29 mosquito positive West Nile virus sites in the following areas:

New Kensington City: 10
West Newton Borough: 5
Hempfield Township: 5
Derry Township: 2
Latrobe Borough: 2
Rostraver Township: 2
Murrysville: 1
Penn Township: 1
Scottsdale Borough: 1



Westmoreland County had 1 Jamestown Canyon virus mosquito positive site:

New Florence Borough: 1

COMPARED TO LAST YEAR...

In 2024,
Westmoreland
County had 15
mosquito positive
West Nile virus sites
and 1 mosquito
positive Jamestown
Canyon virus site

END OF SEASON TICK MONITORING REPORT

WHAT WE DO

Our staff conducts nymphal tick monitoring within Westmoreland County in public use areas to determine the distribution, prevalence, and expansion of tick populations.

HOW WE DO IT

We use a large piece of felt and drag it for 100 meters along different types of tick habitat (i.e. along trails, leaf litter, and tall grasses). If any ticks are found, they are sent to the Department of Environmental Protection's state lab to be identified and tested for various diseases.



Ixodes scapularis
Common names:
Blacklegged and Deer tick



LEFT TO RIGHT: LARVA, NYMPH, MALE, FEMALE
IMAGE SOURCE: DEP

WHAT WAS FOUND

In Westmoreland County this year the following was collected:

- 45 Blacklegged tick nymphs
- 2 Blacklegged tick larvae
- 2 Longhorned tick larvae
- 1 Longhorned tick adult

THE LAB RESULTS

Ticks sent to the lab this year tested positive for:

- *Borrelia burgdorferi* (Lyme disease)
- *Anaplasma phagocytophilum* (Anaplasmosis)

COMPARED TO LAST YEAR...

2024 What was found:

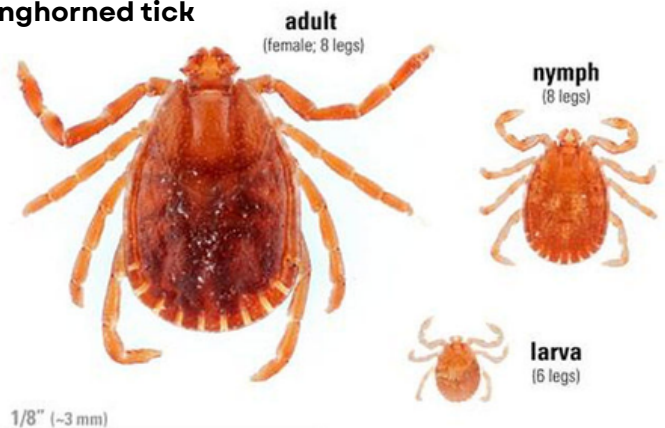
- 1 Blacklegged tick larvae
- 14 Blacklegged tick nymphs

Lab Results:

- *Borrelia burgdorferi* (Lyme disease)
- *Anaplasma phagocytophilum* (Anaplasmosis)

Haemaphysalis longicornis

Common name:
Longhorned tick



Matt Bertone

IMAGE SOURCE: NC STATE EXTENSION